Appendix O

Hydrological and Hydraulic Assessment

HEMPSTEAD LAKE DAM
HYDROLOGICAL AND HYDRAULIC ASSESSMENT

DEC DAM ID # 234-0193
Town of Hempstead
Nassau County, NY

August 2015
Updated May 2017

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1.0 Introduction

The purpose of this report is to document the information that was used to analyze the hydrological and hydraulic conditions at Hempstead Lake Dam located in Nassau County, NY. The dam was constructed in 1873 and is classified as a Class C, High Hazard dam. The dam is located at the southern end of Hempstead Lake within Hempstead Lake State Park. The Mill River watershed extends well north and south of the State Park. The overall study area covers approximately 12.85 square miles and extends from the upstream reaches of the Mill Creek, Horse Brook, Schodack Brook, and Pines Brook drainage areas to the outlet of Smith Pond into the Mill River. South of Smith Pond (downstream from the outlet weir) the Mill River is subject to tidal influence from the Atlantic Ocean.

The primary focus of the report is to determine the existing hydrological conditions throughout the watershed so that peak runoff flows for various design storms can be generated at key locations including the outlet of Hempstead Lake Dam and the upstream outlet of the Northwest Pond. Once the peak design flows have been generated they are utilized in the hydraulic analysis of the watershed to determine the maximum water surface elevations generated by the various design storm events. By routing major storm events through the watershed the capacity of the existing outlet structures can be evaluated to see if they conform to the latest NYSDEC requirements. The final part of the hydraulic analysis is to determine what design improvements to the dams are needed to meet current safety standards.

An earlier report on Hempstead Lake Dam took a simplistic analysis approach and was questioned by the NYSDEC for further details. We have extended the limits of that study to account for the impact of the Pines Brook system and the tidal effects on Smith Pond located downstream of South Pond. We have done extensive research of available record information relating to the dam, the north ponds, local drainage systems, rainfall data, groundwater data, land usage, and stream gage information which was acquired from Federal, State, NYC, Nassau County and local sources. We have utilized the most up-to-date software to determine the probable maximum precipitation (PMP), the peak flow rates, and the proposed water surface elevations. We have used the results of the 2009 FEMA Flood Study, and record stream gage data for the Pines Brook to help calibrate the model. We also have compared our results to previous studies done by others. The Appendices to this report contain pertinent supporting data, and computer modeling output files.

This report was updated in February 2017 to address comments by the NYSDEC related to the modeling and also to incorporate wetland improvements to the North Ponds proposed under GOSR's *Living With The Bay* project designed to improve water quality on the Mill Creek and Horse Brook systems. The changes to the model as well as the proposed project revisions are discussed in Section 5.

Section 2.0 Existing Conditions

This section defines the current (as of March 2017) hydrological conditions within the Mill River watershed draining to the Hempstead Lake Dam as well as the waterbodies located immediately upstream and downstream of it. The Mill River watershed picks up runoff from Horse Brook, Schodack Brook, and Pines Brook and includes extensive positive drainage collection/box culvert systems. See Figure 1, Mill River Watershed Draining to Smith Pond.

Hempstead Lake Dam is located within Hempstead Lake State Park in Nassau County, New York. The dam was constructed in 1873 as part of the water supply system for the city of Brooklyn. Hempstead Lake Reservoir and South Pond were both used as water storage facilities and are interconnected by brick pipe arch tunnels to other water supply facilities. The main water supply lines to the west are reportedly located under the Sunrise Highway service roads. It is unknown how much of the original water supply infrastructure still exists or what condition it is in.

In the early 1900's the reservoir was abandoned by the Brooklyn Water Company and eventually sold to New York State. The Lake and surrounding woodlands were developed into recreational facilities that today are Hempstead Lake State Park. In 1947 the original reservoir was cut in two by construction of the Southern State Parkway. The upstream portion became known as the North Ponds and was divided by a bridle trail into the Northeast and Northwest ponds. The larger southern portion of the reservoir is what is now called Hempstead Lake. See Figure 2, Hempstead Lake State Park Map.

The dam is located at the southern end of Hempstead Lake and features a gate house with multiple slide gates and overflow weirs. The outlet gates are no longer functional and are rusted closed. Openings were cut in the two upper gates which serve to maintain the water level of the lake. Outflow from the gate house discharges into South Pond. The current water level of Hempstead Lake tends to fluctuate approximately 3 to 5 feet during the year depending on the rainfall conditions but is typically controlled by the openings cut into the broken slide gates.

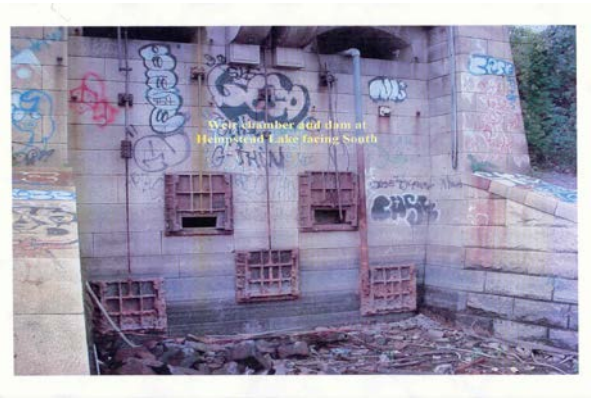


Photo at left shows the five rusted slide gates and outlet weirs at the dam gate house in October 2002 when Hempstead Lake was nearly dry. The two highest gates have been cut to form openings of approximately 1' high by 2' wide.

Photo 1: Gatehouse outlet at Hempstead Lake

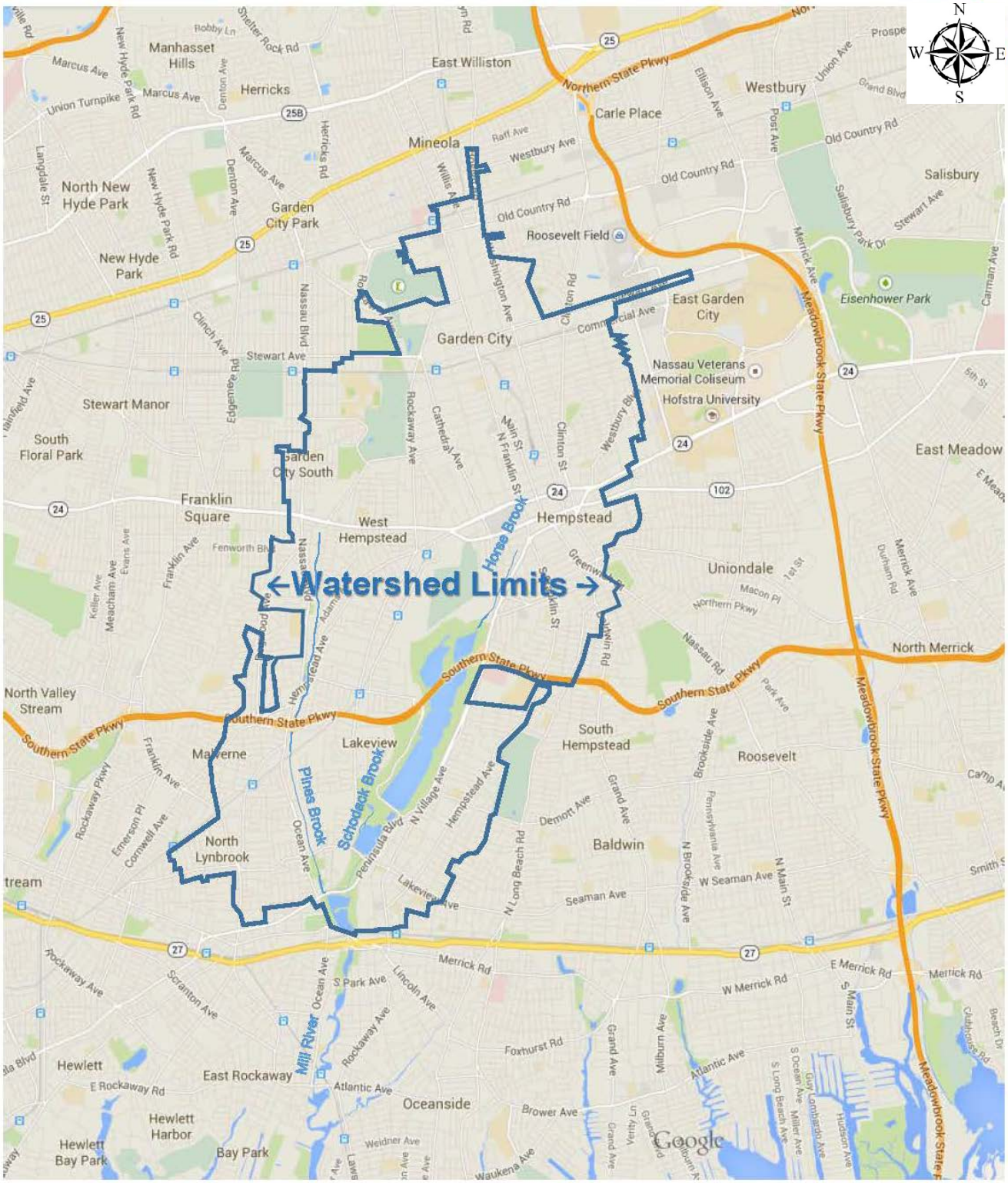


FIGURE 1

Mill River Watershed Drainage to Smith Pond

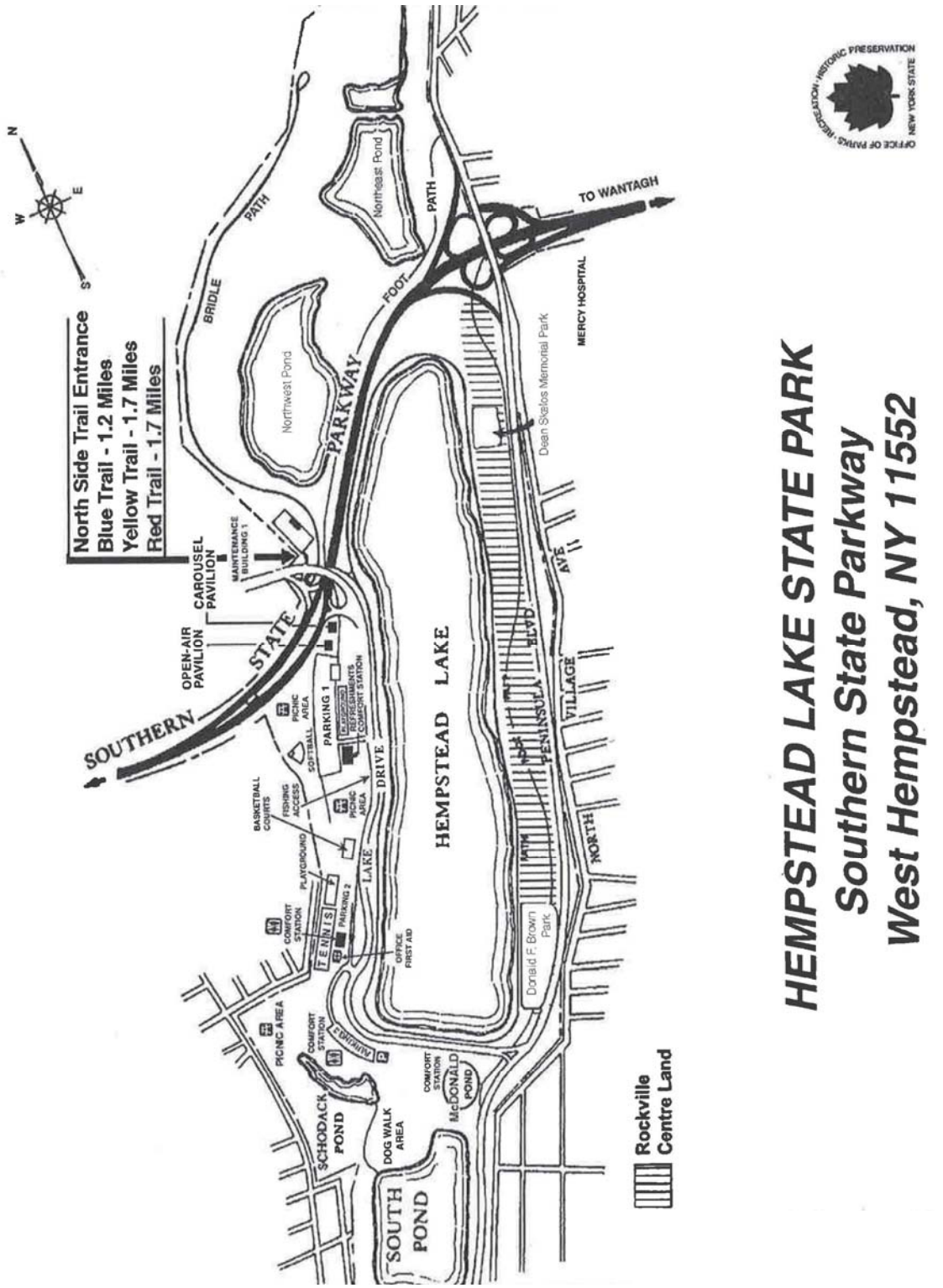


FIGURE 2

Hempstead Lake State Park Map

Stream flow enters the Northeast Pond from the upstream box culvert system that ends in an open channel near Hempstead High School. The outflow channel from the Northeast Pond passes under the bridle path in a large elliptical pipe and continues west as an open stream that discharges into the Northwest Pond. The original outlet for the Northwest Pond was a pair of 24” diameter pipes controlled by valves that passed through the earthen berm dam located at the southern end of the Pond. The valves are no longer functional and the dam failed sometime before January 2012. The dam breach through the earthen berm at the Northwest Pond is approximately 34 feet wide and currently serves as the outlet. Discharge from the Northwest Pond flows south through a 20 foot wide culvert under the Southern State Parkway into the northern end of Hempstead Lake.

2.1 Study Area

The study area covers approximately 12.85 square miles in Nassau County, New York. The area falls under multiple jurisdictions including NYS Parks, Town of North Hempstead, Town of Hempstead, Village of Rockville Center, Village of Garden City, and Hempstead Village. It extends northward to near Old Country Road which divides the towns of North Hempstead and Hempstead, and southward to Merrick Road and the LIRR which are close to Sunrise Highway. The Mill River watershed includes the North Ponds, Hempstead Lake, South Pond, and Smith Pond and picks up flow from Mill Creek, Horse Brook, and Schodack Brook. The Pines Brook watershed runs parallel to and immediately west of it and also discharges into Smith Pond and ultimately into Mill River and the Atlantic Ocean.

2.2 Watershed Characteristics

The study area is broken down into 110 sub-watersheds based on the land usage, topography, existing drainage collection facilities and points of discharge. The sub-watersheds are divided up by the water body they discharge into: Northeast Pond (NE), Northwest Pond (NW), Hempstead Lake (H), Schodack Brook (SD), South Pond (SO), Pines Brook (PB), and Smith Pond (SM). Generally the topography of the area is flat with a gentle slope from north to south. The area is densely developed with a high rate of runoff directed towards the water bodies within Hempstead Lake State Park.

2.2.1 Land Use

The study area primarily features densely populated residential lands but also includes open spaces such as parks and golf courses, institutional facilities such as schools and hospitals, and large commercial/industrial facilities. Major transportation facilities include Old Country Rd, Stewart Ave, Hempstead Turnpike/Fulton Ave, Southern State Parkway, Merrick Rd, Nassau Blvd, Peninsula Blvd, and numerous LIRR branch lines. Hempstead Lake State Park lies at the center of the study area. Its water bodies take on runoff from the surrounding areas and streams and provide recreational fishing and boating opportunities.

Hempstead Lake and South Pond were developed in the 1870's as a source of water for the city by the Brooklyn Water Supply Company. Water flowed by gravity in a brick pipe arch system from Hempstead Lake and South Pond to a pumping station near the Ridgewood Reservoir in Queens. The pipe arch system is located under parts of the Sunrise Highway service roads (a.k.a. North and South Conduit Avenue). Prior to that time the area featured several small lumber and grain mills that dammed up parts of Horse Brook, Schodack Brook and Mill Creek to power the mills.

Hempstead Lake originally encompassed the areas now covered by the North Ponds and was known as the Hempstead Reservoir. In 1947 the State built the Southern State Parkway which bisected the Reservoir and created the North Ponds. Eventually a bridle path was constructed along the perimeter of the ponds and extended down the middle to create what is now the Northeast Pond and Northwest Pond.

2.2.2 Cover Conditions

Cover conditions vary with the land usage noted above but the majority of the study area is densely developed with a high percentage of impervious surfaces. Approximately eighty percent of the study area is considered to be "urban land" or "urban land" with various soil complexes. The underlying soils are Riverhead sandy loam (36%), Hempstead silt loam (33%), Enfield silt loam (3%), Plymouth loamy sand (2%), and small (<1%) amounts of Atsion loamy sand, Manahawkin muck, and Sudbury sandy loam. Additionally 17% of the area is "urban land", 3.5% is water or recharge basins, and 2.5% are Udipsamments. Runoff curve number calculations are provided in Appendix A.

2.2.3 Geological Conditions

The study area is located in the section of glacial outwash plain known as the Hempstead Plains that formed south of the Harbor Hill and Ronkonkoma moraines. The Plains were a natural grassland prairie comprised of well-sorted sand and gravel prior to development. Below Long Island are aquifers that store water from precipitation as groundwater. The Upper Glacial Aquifer is an unconfined aquifer directly underlying the ground surface. The Magothy is the largest aquifer under Long Island and is the source of water for most of Nassau County and about half of Suffolk County. Bedrock is typically located over one thousand feet below the surface within the study area.

2.2.4 Groundwater Conditions

Groundwater appears to have a significant impact on water levels within the study area. Previous studies indicate that the bottom of the Northeast Pond typically lies within groundwater while the bottom of the Northwest Pond is slightly above groundwater. As a result, during extended drought periods the Northwest Pond tends to dry up while the Northeast Pond does not. The level of water within Hempstead Lake also fluctuates with groundwater levels. In 2002 the Lake was nearly dry which allowed the State to perform an inspection of the dam's outlet works. The following year the Lake returned to normal

water levels. During the period of 2010 to 2014 we have observed a fluctuation of approximately five feet within Hempstead Lake with an annual fluctuation typically around three feet. NCDPW has two groundwater monitoring stations near Hempstead Lake but due stopped taking measurements after September 2011. USGS records indicate that groundwater levels near Hempstead Lake generally vary from elevation 30 feet to 20 feet. According to published USGS Water Year Summaries streamflow for the period from October 2010 to September 2011 had the highest water levels on record for New York (out of an 82 year period).

2.3 Channel Evaluation

Channel conditions in the study area were based on available information such as NYSGIS, Google maps, NCDPW record plans, and site visits. Generally the Manning's n factors were assigned to base flow conditions and streams are typically wide and shallow. Most stream bed slopes approximate the surrounding ground slopes and are relatively flat.

2.3.1 Natural Conditions

The outlet channel from the NE Pond is partially blocked by numerous logs and debris that trap floatables along the shoreline. The channel extends from the NE Pond to the NW Pond and passes through a short segment of elliptical pipe to cross under the bridle path located between the two ponds. The channel width varies from approximately 10 feet at the outlet to 4 feet near the downstream elliptical pipe crossing. The location of floatables along the stream banks indicate that higher flows overtop the shallow stream bed and spread out over the relatively flat areas on both sides. Although most of the floatables are captured near the Northeast Pond outlet and surrounding shoreline, many more are trapped by the downed trees near the elliptical pipe crossing.

Photos 2 and 3: Outlet channel from Northeast Pond with extensive debris (1/21/2015)

Downstream of the elliptical pipe crossing under the bridle path the channel abruptly widens out to approximately 30 feet before tapering back down to about 8 feet. This may be due to several trees that have fallen down across the stream that under high flow conditions direct flow towards the banks. There is evidence of erosion along the northern stream bank despite stone rip-rap that was placed along the banks near the elliptical pipe at some in the past.

The southern bank line tends to be almost vertical while the northern bank line is more gently sloped and tends to be lower. Under higher flow conditions it appears the stream overtops the northern bank and spreads out. The stream seems to curve around the eastern pond edge before discharging into the NW Pond. Normal flow is one foot+/-.

Photos 4 and 5: Upstream (left) and downstream (right) ends of elliptical pipe that carries the channel from the NE Pond under the bridle path towards the NW Pond (1/21/2015)

Photos 6 and 7: Looking downstream from near elliptical pipe/bridle path (left) and farther downstream near outlet into Northwest Pond (right) (1/21/2015)

Conditions at Schodack Brook are similar to those at the NE Pond. Flow exits from Schodack Pond via a small brook approximately 8 to10 feet wide. Normal flow depth appears to be about one foot. Side slopes are approximately 2 on 1 heavily vegetated banks. There is very little trash or floatables in Schodack Brook or Pond.

Photos 8 and 9: Outlet channel from Schodack Pond (left) and Schodack Brook (right) farther downstream of the pond and upstream of South Pond (5/16/2013)

Schodack Brook extends from Schodack Pond to South Pond. The last 50 feet or so of the stream has less defined banks as it flows overland into South Pond. Concrete access structures for the brick pipe arch are located on either side of where Schodack Brook overflows into South Pond. Original design plans for the brick pipe arch system included details showing an overflow structure to divert flow out of Schodack Brook in a shallow piped system that crossed over the brick pipe arch and ended in a concrete access structure at the edge of South Pond. It is unknown if this bypass was ever constructed but it may have been located at one of the two flanking structures the brook flows between. The overflow pipe may have deteriorated over time since it was shallow with little protection and become a stream again. This might explain why the stream curves around almost ninety degrees to flow into South Pond.

Photos 10 and 11: End of Schodack Brook where it flows over the brick pipe diverter tube and into South Pond. One of two concrete inspection structures on the diverter tube on either side of the brook crossing at the edge of South Pond. (5/16/2013)

The outlet to South Pond is a weir that discharges to a stream which passes under Lakeview Avenue in a concrete box culvert. The stream flows southward through a heavily vegetated wetland area where it varies in width and depth but typically seems to be broad (10’ to 20’) and shallow (1 to 2 feet deep). This wetland area provides

detention storage for large storm flows. Near the south end of this natural detention area the stream passes under Maine Avenue in a box culvert, and then under Peninsula Boulevard in a stone arch culvert that discharges to a wetland area. Flow from the wetland then passes through a downstream berm in another stone arch culvert where it then discharges into Smith Pond.

Photos 12 and 13: View looking upstream from Maine Avenue towards Lakeview Avenue (left) and looking downstream from Maine Avenue towards Peninsula Boulevard (right). Large object in the middle of the right photo is an old television set. This part of the stream is located in a wooded wetland area between South Pond and Smith Pond. (5/16/2013)

The Pines Brook extends almost the full length of the watershed on the west side. It carries flow in a series of open channels, box culverts, and occasional detention areas. The width of the Brook varies between approximately 10 feet to 20 feet and the depth is typically only 1 to 3 feet during normal conditions. The Tanglewood Preserve located near the downstream end of Pines Brook acts as a natural detention area during major rainfall events.

2.3.2 Crossing Structures

(a) NW Pond Dam and Southern State Parkway

The Northwest Pond features an earthen berm dam at the south end topped by a concrete slab that is eleven inches thick and seventeen feet wide. It was discover that the earthen dam had been breached in January 2012. The dam core featured wooden sheeting and metal tie rods with earthen fill inside and outside. The dam also featured twin 24 inch corrugated metal pipes with valves which ceased to function years ago. The slab top acted an emergency spillway. The breach was likely caused by tree roots infiltrating the dam and the deterioration of the core materials. The current width of the breach is approximately 34 feet. The concrete top slab remains in place. Flow passes through the NW Pond via the breach and then discharges through the 20’ wide by 10’ high culvert under the Southern State Parkway. There is a short open channel section

at the downstream end of the SSP culvert and then flow passes through twin 6' diameter corrugated metal pipes. The pipes allow the earthen bridle path around Hempstead Lake to cross over the open channel. There is some concrete rip-rap around the downstream end of the pipes.

Photos 14 and 15: Dam at Northwest Pond concrete slab along crest located north of Southern State Parkway (visible near top left) (1/21/2015). Dam breach location (upstream side at right) (7/17/2014)

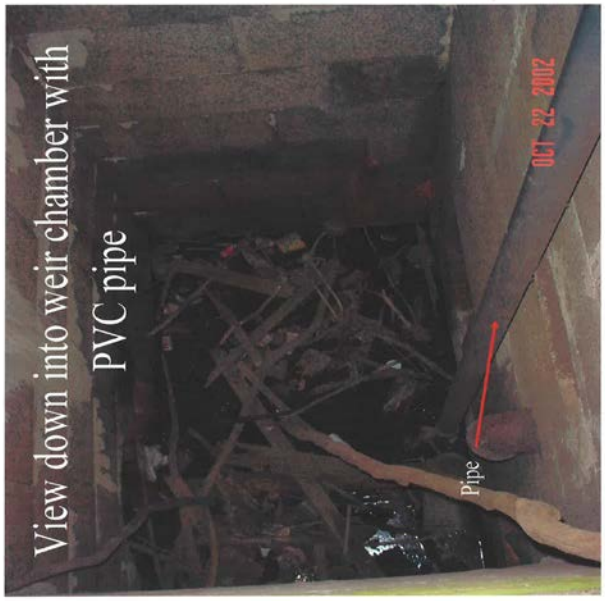
Photos 16 and 17: Culvert under the Southern State Parkway (upstream side left) located between NW Pond/Hempstead Lake (1/21/2015). Downstream view at right. Twin corrugated metal pipes about 15 feet long, located downstream of the SSP carry the bridle path over the stream where it discharges into the north end of Hempstead Lake.

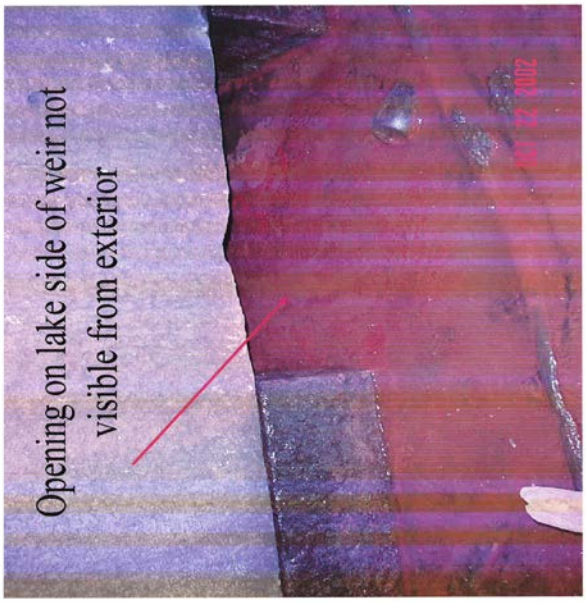
(b) Hempstead Lake Dam/ Lakeside Drive

Hempstead Lake Dam is approximately 17' high at the downstream toe. The upstream side of the earthen dam is lined with an 18" thick stone facing. The original crest of the dam was reputedly 24' wide but was later widened to accommodate a 40' wide roadway with 10' +/- wide grassed areas on either side. The roadway is Lakeside Drive and features a concrete base with asphalt wearing surface. The gatehouse is the outlet to the dam and features gates and overflow weirs discharging to twin 36" diameter pipes.

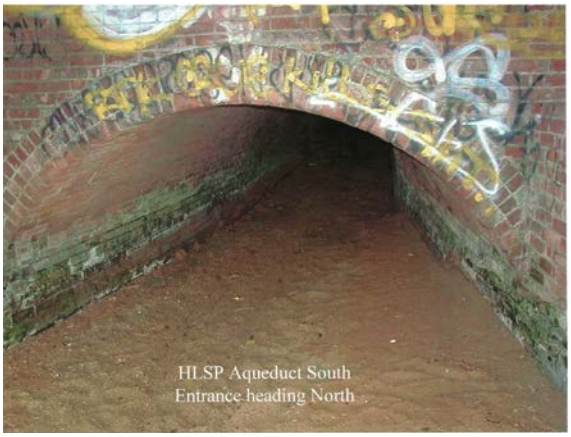
Photo 18: Dam at Hempstead Lake with gatehouse (upstream side) located at the south end of the lake. Lakeside Drive runs along the dam crest. (4/2/2014)

The weir chamber of the gatehouse was built with a brick pipe arch that extends from Hempstead Lake down to South Pond and also has an extension that runs around the western perimeter of South Pond. The opening to the pipe arch has been bulk-headed at the back wall of the weir chamber around the twin 36” pipes. The pipes extend approximately 30’ downstream before they end at a second bulk-head and discharge into the pipe arch. Discharge from Hempstead Lake then flows several hundred feet through the pipe arch to the inlet gatehouse on South Pond.





Photos 19 and 20: Taken inside the weir chamber of Hempstead Lake Dam gatehouse by Taconic Search and Rescue Team in October 2002 when the lake was almost dry. Left photo shows 36” outlet pipe through bulk-headed pipe arch at left and a 6” diameter pipe elbow that appears to enter the lake on the right. Right photo shows low level opening from the weir chamber to the lake.



Photos 21 and 22: South end of Hempstead Lake pipe arch where it discharges into South Pond at the inlet gatehouse. Photo at left taken October 2002 right photo taken 8/14/13.

(c) South Pond Weir & Lakeview Avenue Culvert

The outlet for South Pond is a stone weir and spillway that appears to have a by-pass system built in to accommodate maintenance on the weir. The stone spillway discharges to an open channel that passes through the downstream culvert under Lakeview Avenue. The outlet weir is approximately 25' long. The spillway drops down approximately 6' lower than the weir. The concrete box culvert under the roadway is approximately 11' wide and 4' high. In addition to this outlet, the original brick gatehouse outlet that discharges to the pipe arch system still exists but has been barricaded with a short concrete wall. Much of the gatehouse has been destroyed but beyond the barrier the brick pipe arch system appears to remain intact. In the event of a major storm the pond might overtop the concrete barrier and flow into the pipe arch. Record plans indicate the pipe arch extends southward under Lakeview Avenue through the wooded area to near Smith Pond and Peninsula Boulevard, where it then continues westward.

Photos 23 & 24: South Pond outlet weir spillway (left) and downstream culvert under Lakeview Avenue (right). (5/16/2013)

Photos 25 & 26: By-pass gates for South Pond outlet weir. Gate outlets are set lower than the weir and would discharge flow downstream of the weir. It is unknown if these are still functional. (5/16/13)

Photos 27 and 28: Original South Pond gatehouse outlet (now emergency overflow) to brick pipe arch aqueduct system (left). Concrete wall and 12” standpipe constructed in front of it. There is a 24” diameter opening at bottom of concrete wall also. The condition of the downstream pipe arch system is unknown. (5/16/2013)

(d) Maine Avenue Culvert

There is a wooded wetland area located downstream of Lakeview Avenue that serves as a detention area mitigating flows during major storm events. Flow from the Lakeview Avenue culvert continues southward as an open channel through the wetland area under normal conditions. Maine Avenue crosses over the stream near the downstream end of this wooded area. The culvert under Maine Avenue is approximately 11.5’ wide and 4.5’ high and features flared wing walls. The stream is approximately 20’ wide where it comes into this structure and under normal flow conditions is about one foot deep. He stream is approximately 18’ wide at the downstream end of the culvert.

Photo 29: Culvert under Maine Avenue (upstream side) located downstream of South Pond/ Lakeview Avenue and upstream of Smith Pond (1/19/2011)

(e) Peninsula Boulevard Culvert - East

There is a stone arch culvert under Peninsula Boulevard that directs flow to a small wetland area northeast of Smith Pond. There is a second stone arch culvert located immediately downstream which then discharges into Smith Pond. The first culvert is inaccessible and is assumed to be the same size as the downstream culvert which is approximately 11’ wide and 5.5’ high at the top of the arch. The second culvert is approximately 54’ long and passes through an earthen berm area topped with an asphalt path and partially enclosed with a 6’ high chain link fence. The south side of the berm features a railroad tie retaining wall that is about 4’ at the highest point. Either end of the culvert includes a stone headwall and wing walls.

Photos 31 and 31: Stone arch culvert under Peninsula Boulevard (upstream side) discharges into wetland area upstream of Smith Pond (5/20/2015)

(f) Peninsula Boulevard Culvert – West

The Pines Brook generally flows through the Tanglewood Preserve as an open channel but there is also a ponding area near the south end. The Preserve covers a large area extending from Lakeview Avenue to Peninsula Boulevard and from Ocean Avenue to Tanglewood Road. Flow discharges from the Preserve into Smith Pond via twin 14' wide by 4.5' high box culverts that pass under Tanglewood Road and Peninsula Boulevard. The western box culvert is supplemented by an older 10' wide by 4.5' high box culvert under Peninsula Boulevard which splits the flow into Smith Pond.

2.4 Water Storage Areas

Storm water runoff is stored in a series of water bodies in and around Hempstead Lake State Park including Northeast Pond, Northwest Pond, Hempstead Lake, Schodack Pond, South Pond, and Smith Pond (see Figure 3). Runoff from the north and northeast sections of the watershed enters Northeast Pond. Runoff from the northwest enters Northwest Pond. Runoff from the Northeast Pond flows through an open channel into the Northwest Pond where the combined flow is then discharged via a culvert under the Southern State Parkway into Hempstead Lake. Runoff from the west enters Schodack Pond and Pines Brook. Runoff from the east generally bypasses the lake and discharges into Smith Pond. Hempstead Lake and Schodack Brook discharge into South Pond. South Pond and Pines Brook ultimately discharge into Smith Pond. Flow in Smith Pond is controlled by an outlet weir that discharges into the Mill River which is affected by the Atlantic Ocean tides on the south shore of Long Island. The portion of the Mill River immediately down stream of Smith Pond is contained in a series of massive box culverts that pass underneath the Long Island Railroad tracks, Merrick Road and Sunrise Highway before daylighting again as an open channel in Mill River Complex Park. See Figure 3, Mill River Waterbodies.

2.4.1 North Ponds

Water enters Northeast Pond from an open channel carrying Mill Creek and Horse Brook as well as from overland flow in the areas surrounding the pond. Flow is generally controlled by positive drainage collection systems including a 12' x 5' box culvert, a 48" diameter pipe and a 36" diameter pipe that discharge into an open channel near Hempstead High School located just north of the Northeast Pond. Additional runoff enters the Northeast Pond from drainage systems along the Southern State Parkway. The overland flow into the pond originates in residential areas, a golf course, wooded areas, and the adjacent high school.

Water exits the Northeast Pond through an open channel at the southwest end of the pond, flows through a 56" H x 90" W elliptical pipe under the bridle path and continues in an open channel that discharges into Northwest Pond. The two north ponds are separated from each other by a wooded area and earthen bridle path which is approximately 1500' in length with a low point around elevation (EL) 34 feet. During a

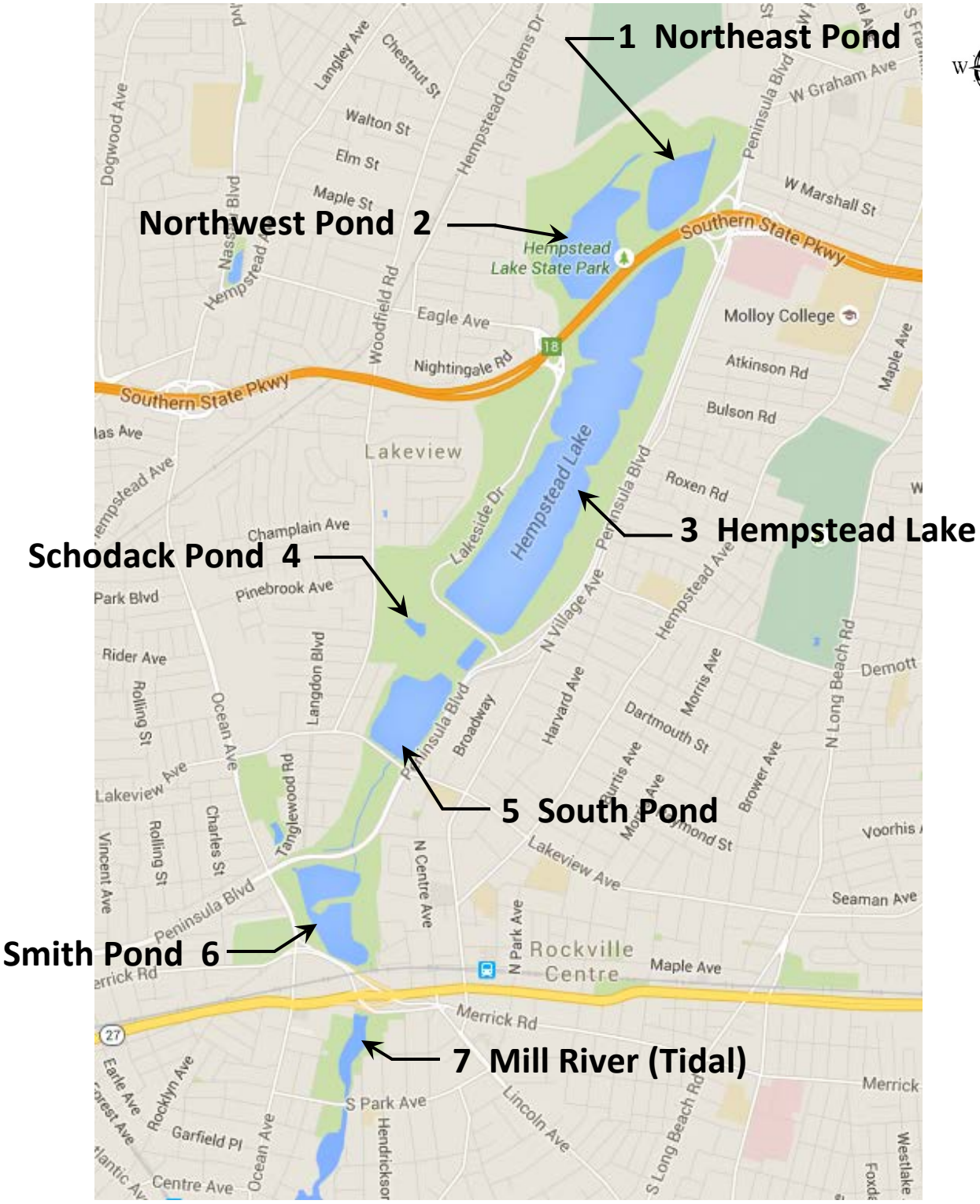


FIGURE 3

Mill River Waterbodies

major storm event, flow from NE Pond overtops both the open channel and the bridle path and flows into NW Pond, effectively making one larger combined pond.

Water enters NW Pond from multiple sources. In addition to the open channel from the NE Pond there is a 96" diameter pipe on the northwest side of the pond as well as overland flow from the areas surrounding the pond. The overland flow originates in the residential and wooded areas north and west of NW Pond. Water exits the pond through an earthen dam topped by a concrete slab which has been breached. The water then flows under Southern State Parkway through a 20' W x 10' H culvert to a short open channel before passing through twin 6' diameter pipes into Hempstead Lake. The watershed area at the outlet of NW Pond is approximately 5.41 square miles.

Table 2.1 – North Ponds Storage

Northeast Pond		**Northwest Pond**	
EL	Area (acres)	EL	Area (acres)
		18	5.0000*
20	7.1707	20	6.0000*
22	14.0850	22	7.4270
24	16.8841	24	23.2940
26	19.6644	26	26.9790
28	21.5159	28	29.4080
30	24.6953	30	32.5060
32	28.4643	32	32.5150
34	33.1115	34	37.245
36	38.3578	36	43.0980**
38	40.5375	38	50.4770**
40	74.4021	40	52.2500**
42		42	54.1710**
44	115.4876	44	56.1970**

*Estimated areas

Note: Elevation in NAVD88 **top of SSP el 37.0 ft area shown is n/o SSP

2.4.2 Hempstead Lake

Flow from the NW Pond enters Hempstead Lake through twin 6' diameter pipes located approximately 15 feet downstream from the culvert under the Southern State Parkway. The purpose of the pipes is to carry the earthen bridle path that follows the perimeter of the lake over the stream. Additional overland flow from adjacent residential and wooded areas also enters the lake.

The water level of the lake is controlled by the gatehouse located on the dam at the south end of the lake. There are five sluice gates in the dam which are rusted in the closed position and three high level weir openings. The upper two gates have one foot

high openings cut through them. (Refer to photo 1). The gatehouse also appears to have two low level openings to the lake each approximately 1' H x 3' W at nearly the same elevation as the downstream discharge pipes. Water flows through these openings, into the gate house chamber, and exits through two 36 inch diameter discharge pipes located at the bottom of the chamber. The two pipes are approximately thirty feet long and are located within a brick pipe arch which is bulk-headed at the weir chamber wall and at the downstream end of the pipes. Discharge from the pipes flows south approximately 800 feet through the pipe arch to South Pond. The watershed area to the outlet of Hempstead Lake is approximately 6.50 square miles.

Table 2.2 – Hempstead Lake Storage

Hempstead Lake			
EL	Area (acres)	EL	Area (acres)
11	10.0000*	26	127.8485
12	12.1375	28	133.5202
14	30.7579	30	138.9749
16	54.2751	32	144.2241
18	73.8077	34	149.6231
20	101.0297	36	186.1978**
22	115.1724	38	255.4916**
24	121.9652	44	661.7146**

*Estimated areas

Note: Elevation in NAVD88 **top of dam el 35.66 ft areas shown n/o dam

2.4.3 South Pond

Water from Hempstead Lake enters South Pond through the brick pipe arch which ends at a gatehouse inlet structure. Flow also enters South Pond from Schodack Brook, and overland flow from areas surrounding the pond (SO1-SO2). Water exits the pond through a weir spillway into a box culvert under Lakeview Avenue. Additionally, the original gatehouse outlet structure and pipe arch system remains in place near the southwest corner of South Pond however a concrete barrier and standpipe has been constructed in front of the outlet. The barrier makes this an emergency outlet that would function only in extreme storm events.

Discharge from the pond to the original outlet is limited to a 24" opening through the bottom of the concrete barrier during normal conditions. There appears to be some water within the original outlet structure however it is difficult to assess how much since there is brick rubble and debris from the gatehouse building that has been vandalized and thrown into the outlet pipe arch. The water level of South Pond would have to rise approximately four and one half feet in order to overtop the concrete barrier and discharge into the brick pipe arch.

It should also be noted that a large brick diverter tube extends around the west side of South Pond from the Hempstead Lake pipe arch to the downstream pipe arch. The upstream entrance to the diverter tube has apparently collapsed rendering it non-functional however the majority of it seems to have been intact during a 2002 inspection performed by the State.

Table 2.3 – South Pond Storage

South Pond			
EL	Area (acres)	EL	Area (acres)
4	2.533	16	25.855
6	9.674	18	28.720
8	14.511	20	39.290
10	18.128	22	49.031
12	21.343	24	59.475
14	23.612		

Note: Elevation in NAVD88

2.4.4 Schodack Pond

Schodack Brook is an open channel to the west of Hempstead Lake. Water is collected in the brook from a series of small watersheds through pipes and overland flow (SD1-SD21) and then discharges into Schodack Pond which is located south of the lake. Discharge from Schodack Pond continues southward as an open channel that eventually flows overland into South Pond.

Table 2.4 – Schodack Pond Storage

Schodack Pond	
EL	Area (acres)
14	1.300*
16	1.400*
18	1.582
20	3.534
22	5.413
24	14.430
26	26.297
28	36.631

*Estimated area

Note: Elevation in NAVD88

2.4.5 Smith Pond

Smith Pond is the downstream end of the study area where flow from the Pines Brook joins flow from the main Mill River systems including the Horse Brook, Mill Creek, and Schodack Brook. Culverts under Peninsula Boulevard discharge flow from the Pines Brook into the NW corner of Smith Pond while other culverts bring the main flow from Hempstead Lake into the NE corner of Smith Pond. Water passes through Smith Pond and exits over a weir spillway at the southeast corner of the pond. Downstream of the spillway there are three additional pipes (48”, 33”, and 48” diameter) that discharge into the Mill River from sub-watersheds (SM1 and SM2) located east of Hempstead Lake.

Downstream of the outlet weir the Mill River appears to be tidally influenced. At the outlet of Smith Pond the approximate watershed area is 12.85 square miles.

Table 2.5 – Smith Pond Storage

Smith Pond	
EL	Area (acres)
0	9.690
2	16.866
4	20.232
6	23.302
8	26.260
10	29.362
12	32.359
14	35.537
16	38.621
18	69.022
20	97.532
22	122.145
24	172.038
26	238.810

Note: Elevation in NAVD88

2.4.6 Other storage areas

Within the study area there are additional storage areas including Halls Pond and the Tanglewood Preserve along the Pines Brook; and McDonald Pond located south of Hempstead Lake and the wooded wetland area between South Pond and Smith Pond.

Halls Pond is located in the middle of Pines Brook within Halls Pond Park between Hempstead Ave and Nassau Blvd. The Pines Brook flows southward into the pond as

an open channel. The water level in Halls Pond is controlled by a concrete weir at the south end of the pond. Once water flows out of the pond it passes under Hempstead Avenue in a box culvert and continues south in Pines Brook as open channel flow. There is a small amount of freeboard in the pond that could provide storage during peak flows.

Table 2.6 – Hall's Pond Storage

Hall's Pond	
EL	Area (acres)
25.5	1.654
29.5	1.654
32	4.795
34	15.131
36	16.120
38	21.170
42	30.000*

*Estimated area

Note: Elevation in NAVD88

Tanglewood Preserve is located at the south end of Pines Brook before flow reaches Smith Pond. There is a ponding storage area at the south end of the Preserve adjacent to the open channel. The Preserve covers a large area extending from Lakeview Avenue to Peninsula Boulevard and from Ocean Avenue to Tanglewood Road. It provides some additional storage for peak flows on the Pines Brook during major storm events.

Table 2.7 – Tanglewood Area Storage

Tanglewood	
EL	Area (acres)
8	3.733
10	8.816
12	12.361
14	20.181
16	26.237
18	39.026
20	60.528
22	85.085
24	119.985
30	299.932

Note: Elevation in NAVD88

McDonald Pond is located southeast of the intersection of Peninsula Blvd and Lakeside Drive. The manmade pond is located between Hempstead Lake and South Pond. The pipe arch carrying water from Hempstead Lake to South Pond passes to the west of McDonald Pond. The pond offers minimal storage as it is only two feet deep. The pond has been used for the recreational purposes such as ice skating and model boats
The wooded wetland area located downstream from South Pond extends from Lakeview Avenue to Peninsula Boulevard and provides a fair amount of storage for the Mill River system. This area is bisected by Maine Avenue which detains the flow as it passes through the 11.5' wide by 4.5' high culvert under the roadway.

2.5 Piped Drainage Collection Systems

The Mill Creek Watershed consists of densely populated residential and commercial areas as well as open space parks and golf courses in Nassau County. The majority of the storm water runoff from the watershed is picked up through piped drainage collection systems and small open channels. Much of the original Mill Creek and Horse Brook located in the northern portion of the watershed has been picked up in box culvert systems ultimately discharging into the north ponds. The Schodack Brook and Pines Brook systems collect water from areas north and west of Hempstead Lake and generally consist of open channels with numerous box culvert roadway crossings. The Schodack Brook system flows into Schodack Pond and then continues southward where it empties into South Pond. The Pines Brook system forms the western portion of the watershed and flows from north to south as Pines Brook, which passes through the Tanglewood Preserve detention area and then finally discharges into Smith Pond through box culverts under Peninsula Boulevard. See Figure 4, Watershed Sub-area Map.

2.5.1 Mill Creek/Horse Brook System

The Mill Creek/Horse Brook System originates in the northern portion of the watershed. Overland flow enters into a series of piped drainage collection systems. These systems are broken down into subareas NE1, NE2, NE3, NW 1, and NW 2.

NE 1 collects runoff from the northeastern portion of the study area. A 7'x5' box culvert enters the study area from the north. After a distance of 1700', a 24" diameter pipe enters the box culvert from the north. The 7'x5' box culvert continues for another 1150 feet where a 36" diameter pipe enters the box culvert from the northwest. After continuing an additional 150 feet the box culvert becomes an open channel flow. After 1000 feet a 30" diameter pipe discharges into the open channel from the west. The open channel continues for an additional 1150 feet during which a 24" diameter and an 18" diameter pipe discharge into the open channel from the west. The flow then once again enters a box culvert with a size of 10.5'x4'. After 1400 feet the box culvert size increases to 12'x5'. The box culvert size remains the same for 750 feet where it is then joined by the flow from a 42" diameter pipe from the northeast and a 24" diameter pipe

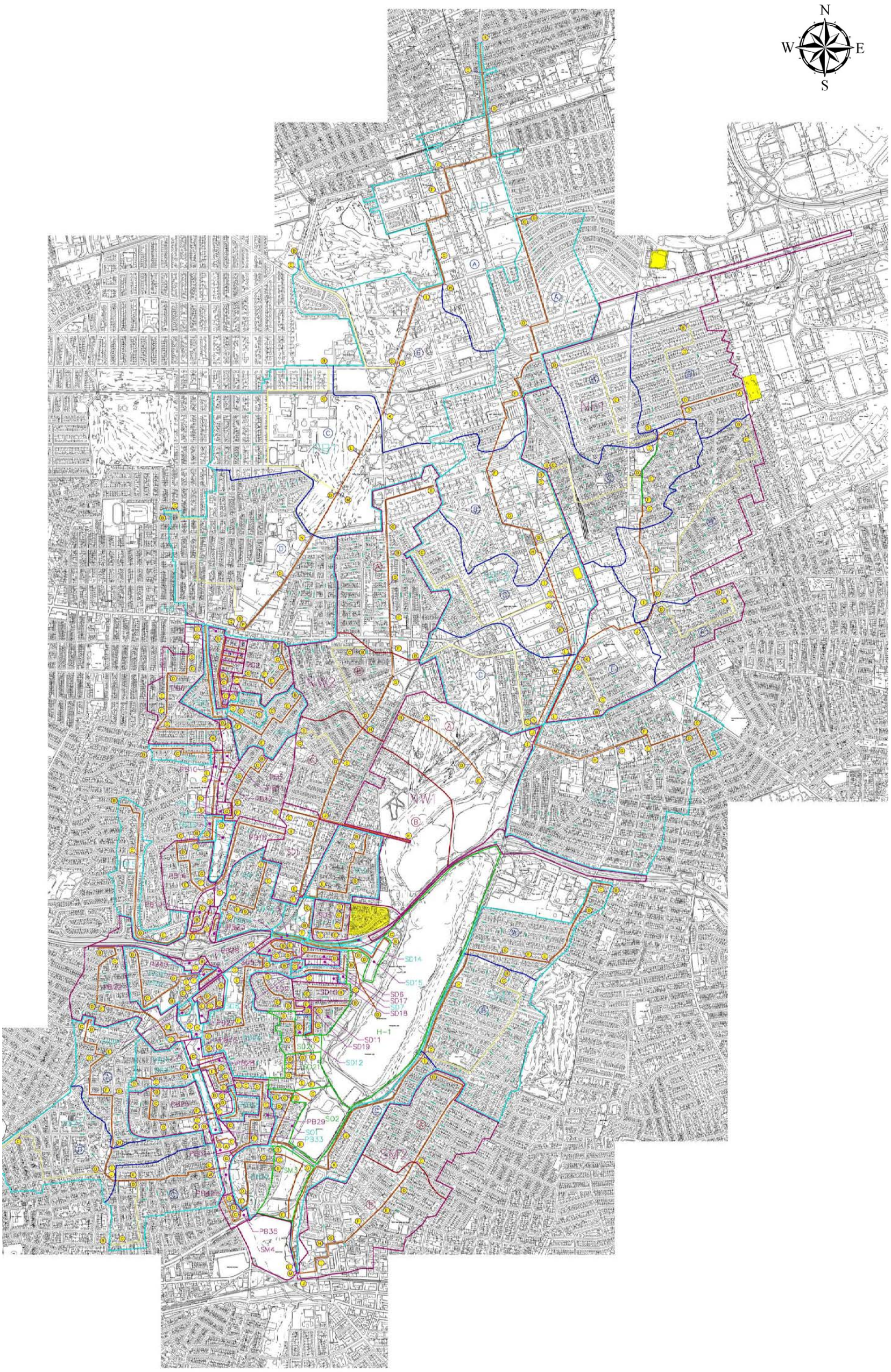


FIGURE 4

Watershed Sub-Area Map

from the east which all combine into a 12’x6’ box culvert. The box culvert continues for 2700 feet and then the box culvert size is reduced to a 12’x5’ box. After an additional 2150 feet the box culvert empties into Mill Creek and continues as open channel flow.

NE 2 collects runoff from the northeastern portion of the study area located east of the north ponds. Overland flow is collected by the pipe system into a 15” diameter pipe. After a distance of 900 feet the pipe diameter increases to 18”. The pipe then continues on for an additional 450’. At this location the pipe diameter increases to 24” and combines with the flow from a 24” pipe entering from the north and continues for another 850 feet. The pipe then increases in size to a 30” diameter when it combines with the flow from a 24” diameter pipe entering from the north and continues for 350 feet. After combining with an additional 24” pipe from the south, the pipe size increases to 36” in diameter and continues for 2750 feet until it empties into Mill Creek.

NE3 collects runoff from the northern portion of the study area west of NE 1. Surface runoff enters this piped drainage system with a pipe diameter of 24” which increases to a diameter of 36” after the first 3200 feet of pipe. The pipe diameter increases to 42” and then again to 48” over the next 2500 feet. At this location the pipe diameter increases to 54” when the flow from an 18” diameter pipe enters the system, and the pipe continues on for an additional 2150 feet. The pipe then increases in size to a 60” diameter and extends 1450 feet at this size pipe. The system then increases into a 6’x5’ box culvert after the 60” diameter pipe combines with a 30” diameter pipe entering from the west, and continues for 1250 feet and then to an 8’x5’ box culvert for 1550 feet. The box culvert then increases to 9’x5’ with the addition of flow from a 30” diameter pipe, and travels 2000 feet before increasing to a 14’x5’ after additional pipes discharge flow into the box culvert for the final 1500 feet before emptying into Mill Creek.

NW1 does not contain any piped drainage system. This runoff is over land flow which flows into Northeast and Northwest Ponds.

NW2 is located northwest of the north ponds. Runoff flow enters the piped drainage system through a 24” diameter pipe at the north end of the watershed. After 1500 feet, an additional 24” and 18” diameter pipe combine and the pipe size increases to 36” diameter and continues for 750 feet. The pipe size then increases to 48” diameter when a 36” diameter pipe connects from the east and continues for 870 feet. At this location the 48” pipe combines with a 42” pipe from the west into a 60” diameter pipe for 750 feet. The pipe diameter then increases in size to 66” for 1550 feet. Additional flow is added at this location by a 42” diameter pipe from the northwest combining with the 66” diameter pipe into a 78” diameter pipe for 1120 feet. The pipe then changes to an 8’x5’ box culvert for 1700 feet. The box culvert then transitions to a 96” pipe and continues for 2450 feet before emptying into Northwest Pond.

2.5.2 Schodack Brook System

The Schodack Brook System is made up of several smaller piped systems emptying into the open channel flow of Schodack Brook. The Brook flows southward to Schodack Pond and then continues southeast to South Pond.

SD1 is located west of Northwest Pond. Overland flow enters the pipe system into an 18” diameter pipe for a length of 850 feet. The pipe diameter then increases to 42” for 2000 feet. The 18” diameter pipe at the start of the system appears to be an addition after the original 42” pipe. The pipe then empties into the north end of Schodack Brook.

SD2 is located west of Northwest Pond. Runoff enters the pipe system into a 24” diameter pipe for 940 feet. The pipe size then increases to 30” diameter when a 24” diameter pipe connects from the east, for 890 feet. The pipe diameter increases to 36” where an additional 30” pipe merges with the system for 180 feet, followed by a 42” diameter pipe for 300 feet. The pipe then discharges into the north end of Schodack Brook.

SD3 is located west of Northwest Pond. Storm water runoff enters the pipe system into an 18” diameter pipe and travels 450 feet. The pipe size then increases to 24” diameter for 930 feet before emptying into Schodack Brook north of Southern State Parkway.

SD4 is located is located east of the LIRR and north of Southern State Parkway. There are no pipe systems in this sub watershed. Runoff flows overland directly into Schodack Book.

SD5 is located south of Southern State Parkway and west of Schodack Brook. Runoff flows into the pipe system into an 18” diameter pipe for 780 feet before emptying into Schodack Brook.

SD6-SD8 have no pipe systems. All runoff flows overland into Schodack Brook.

SD9 is located south of Southern State Parkway and west of Schodack Brook. Runoff enters the pipe system in an 18” diameter pipe for 700 feet and then the pipe size increases to a 30” diameter pipe for 850 feet. The pipe then empties into Schodack Brook.

SD10 has no piped drainage system. All storm water runoff flows overland and into Schodack Brook.

SD11 is located south of Southern State Parkway and east of Schodack Brook. Surface runoff enters the system into a 24” diameter pipe and travels 700 feet. The flow combines with a second 24” diameter from the east into a 30” diameter pipe and extends an additional 1050 feet. The pipe then empties into Schodack Brook.

SD 12 has no piped drainage system. All storm water runoff flows overland and into Schodack Brook.
SD 13 is located west of Hempstead Lake along Southern State Parkway. Flows enter the piped system into a 30” diameter pipe and travel 800 feet until emptying into Schodack Brook.

SD 14 is located west of Hempstead Lake along Southern State Parkway. Flows enter the piped system into a 30” diameter pipe and travel 800 feet until emptying into Schodack Brook.

SD15 is located west of Hempstead Lake and east of Schodack Brook along eastbound Southern State Parkway and a parking area south of the parkway. Runoff enters the piped system into an 18” diameter pipe in the parking area and travels 350 feet. The pipe then increases in size to a 24” diameter and travels an additional 850 feet. The diameter of the pipe then increases to 30” for another 1050 feet. The flow then empties into Schodack Brook.

SD16 is Southern State Parkway west of Schodack Brook. Over land flow enters the system into a 24” diameter pipe which travels 500 feet before emptying into Schodack Brook.

SD17-SD18 have no piped drainage systems. All storm water runoff flows overland and directly into Schodack Brook.

SD19 is located west of Hempstead Lake. A small area of runoff collects and drains into a 15” diameter pipe which travels 80 feet to empty into Schodack Brook.

SD20 is located west of Hempstead Lake and north of South Pond. Storm water runoff enters the system into an 18” diameter pipe and travels 550 feet. The flow then enters an open channel for 340 feet until entering Schodack Pond.

SD21 is the area around Schodack Pond. Storm water runoff from the surrounding area enters the piped system in an 18” diameter pipe and travels 150 feet. The pipe size then increases t o24” diameter and continues an additional 120 feet. The pipe then empties into an open channel with a length of 150 feet before emptying into Schodack Pond.

2.5.3 Pines Brook System

The Pines Brook flows from north to south extending almost the length of the watershed. It conveys runoff from the western side of the watershed in an open channel which passes through numerous box culverts at roadway crossings. The Brook is typically broad (10’ to 20’ wide) and shallow (1’ to 3’ deep) under normal conditions.

PB1 is located in the northwestern portion of the study area. Overland flow enters the piped drainage system into a 15” diameter pipe that extends a distance of 1050 feet.

The pipe size then increases to 18” in diameter and continues for 2520 feet. The pipe diameter then increases to 36” for 920 feet, where an 18” diameter pipe from the north and a 15” diameter pipe from the west join the system. The pipe size increases to a 42” diameter pipe and continues for 2100 feet. The pipe size then increases to 48” in diameter for the next 4500 feet. The system then increases to a 60” diameter pipe for final 7050 feet, during which an18” diameter pipe from the east, 15” from the east, 42” from the west, 24” from the west and two 24” diameter pipes from the east empty into the system. The flow then enters the north end of Pines Brook which is an open channel flow.

PB-A—PB-I are located along the north end of Pines Brook. Each small sub watershed consists of either a 15” diameter or 18” diameter pipe for a length of less than 100 feet before emptying into Pines Brook.

PB2 is located east of Pines Brook. Flow enters the system into a 24” diameter pipe which continues for 1950 feet before the pipe size increases to a 30” diameter pipe for 170 feet. The flow then empties into Pines Brook.

PB3 is located east of Pines Brook south of PB2. Storm water runoff enters the system into a 15” diameter pipe for 250 feet and then empties into Pines Brook.

PB4 is located east of Pines Brook and south of Hempstead Turnpike. Flow enters the system into an 18” diameter pipe for 900 feet. The pipe size then increases to a 24” diameter when the 18” pipe combines with the flow from an 18” pipe flowing from the west, for 1400 feet. The diameter of the pipe then increases to 30”, where an additional 18” diameter pipe enters, for 175 feet before emptying into Pines Brook.

PB5 is located east of Pines Brook and south of Hempstead Turnpike. Flow enters the system into an 18” diameter pipe. After traveling 530 feet, the pipe size increases to 24” in diameter for an additional 780 feet. The pipe size then increases to 30” diameter for 270 feet. Finally the pipe increases to a 36” diameter for the last 180 feet before emptying into Pines Brook.

PB6 is located west of Pines Brook and south of Hempstead Turnpike. Storm water runoff enters the piped drainage system into an 18” diameter pipe which travels 600 feet. The pipe size then increases to a 24” diameter pipe and travels 780 feet. The pipe size then increases again to a 30” diameter for 380 feet. At this location the pipe increases in diameter to 42”, where a 24” pipe joins from the northeast, for 400 feet. The pipe then decreases to a 36” diameter pipe for the final 1640 feet before emptying into Pines Brook.

PB7 is located south of Hempstead Turnpike and west of Pines Brook. Surface runoff enters the system into an 18” diameter pipe. The pipe has a length of 2250 feet after which the flow empties into Pines Brook.

PB8 is located south of Hempstead Turnpike along Munson Ave. Flow enters the piped drainage system into a 15” diameter pipe for 140 feet before emptying into Pines Brook.

PB9 is located west of Pines Brook south of PB6. Runoff enters the system into an 18” diameter pipe for 1060 feet. The pipe diameter then increases to 24” diameter for 150 feet before emptying into Pines Brook.

PB10 is located west of Pines Brook. Flow enters the system into an 18” diameter pipe which flows 470 feet before emptying into Pines Brook.

PB11 is located along Nassau Blvd west of Pines Brook. Runoff enters into an 18” diameter pipe which flows for 50 feet and then empties into Pines Brook.

PB12 is located along Nassau Blvd, north of Johnson La, and west of Pines Brook. Flow enters a 15” diameter pipe and travels 90 feet before emptying into Pines Brook.

PB13 is located east of Pines Brook and North of Johnson. Runoff flows into the system into a 15” diameter pipe for 75 feet and then empties into Pines Brook.

PB 14 takes runoff from Nassau Blvd west of Pines Brook. Storm water flows into the piped system into an 18” diameter pipe for 820 feet. Water then empties into Pines Brook.

PB 15 is located along Dogwood Ave west of Pines Brook. Storm water runoff flows into the system into an 18” diameter pipe for 1760 feet. The pipe size then increases to 30” diameter for 800 feet. The pipe size then increases to 36” diameter where a 24” pipe joins from the north, for a length of 900 feet. Finally, the pipe diameter increases to 42” for 420 feet and then empties into Pines Brook.

PB16 is located west of Nassau Road and east of PB15. Flow enters the system in an 18” diameter pipe and travels 350 feet. The pipe diameter then increases to 24” for 1010 feet. The pipe size then increases to 30” diameter for 580 feet. An 18” diameter pipe merges from the north and the pipe size increases to 36” diameter for 230 feet before emptying into Pines Brook.

PB17 is located north of Southern State Parkway and east of Hempstead Ave. Runoff enters the system into a 24” diameter pipe and travels a distance of 1190 feet. The pipe size then increases to 30” diameter when 2 x 24” diameter pipes enter from the north, for a length of 200 feet. An 18” pipe from the north merges with the 30” pipe and the pipe diameter then increases to 36” for 240 feet. The pipe size then increases to 48” diameter adding flow from an additional 24” pipe entering from the east, for 310 feet and then empties into Pines Brook.

PB18 does not contain any piped drainage system. Runoff flows over land on Maple Street and Hempstead Ave and directly into Pines Brook.

PB19 is located north of Southern State Parkway and west of Pines Brook. Runoff enters the system into a 24” diameter pipe and travels 200 feet before emptying into Pines Brook.
PB20 is located north of Southern State Parkway and east of Pines Brook. Storm water runoff enters the system into an 18” diameter pipe and travels 180 feet before it empties into Pines Brook.

PB21 is located between Southern State Parkway and the Long Island Railroad west of Pines Brook. Runoff enters the piped drainage system into a 15” diameter pipe with a length of 1150 feet. The pipe diameter then increases to 24” for a length of 490 feet. The pipe then increases to a 30” diameter when joined by a 24” diameter pipe entering from the south, for the final 180 feet before emptying into Pines Brook.

PB22 is located south of Southern State Parkway and west of Pines Brook. Storm water runoff enters the piped drainage system into an 18” diameter pipe with a length of 1300 feet. The pipe diameter then increases to a 30” diameter with a length 1940 feet. The pipe size then increases to 36” in diameter with a length of 1120 feet. The flow then empties into Pines Brook.

PB23 is located in the southwestern portion of the study area. Storm water runoff enters the piped drainage system into a 24” diameter pipe with a length of 1140 feet. The pipe size then increases to 30” diameter with a length of 1850 feet. The pipe then transitions to a 2.5’x5’ box culvert for 250 feet. At this location the box culvert transitions to a 48” diameter pipe for 1930 feet. The pipe then once again transitions for a 2.5’x5’ box culvert for with a length of 100 feet, during this distance, a 30” diameter pipe from the north, a 36” pipe from the north and a 48” pipe from the west enter the box culvert. The box culvert then transitions to a 72” diameter pipe with a length of 3180 feet. During this final 3180 feet a series of pipes enter the flow. A 24” diameter pipe, 42” pipe, and 30” pipe all enter from the south. The pipe then discharges into Pines Brook.

PB24 is located south of the Long Island Railroad and west of Pines Brook. Storm water runoff enters the system into a 24” diameter pipe and travels 1310 feet before emptying into Pines Brook.

PB25 is located south of the Long Island Railroad and west of Ocean Ave. Flow enters the system into a 24” diameter pipe and travels for a distance of 2000 feet. When an additional 24” diameter pipe joins from the south, the pipe size then increases to 36” diameter for a length of 350 feet. The pipe then discharges into the box culvert that handles the Pines Brook flow.

PB26 is located south of the Long Island Railroad and east of Pines Brook. The flow enters the system into a 24” diameter pipe and travels a distance of 480 feet. The pipe size then increases to a 30” diameter pipe with a length of 340 feet. The pipe diameter then increases to 36” for a length of 2150 feet. The pipe diameter at this location

increases to a 60” diameter after a 36” diameter pipe merges from the southeast, for 90 feet and then discharges into Pines Brook.

PB27 is located south of the Long Island Railroad and east of Pines Brook. Storm water runoff enters the piped drainage system in a 24” diameter pipe with a length of 490 feet. The pipe then discharges into Pines Brook.

PB28 is located south of the Long Island Railroad and east of Pines Brook. Runoff enters the system in an 18” diameter pipe with a length of 600 feet. An 18” diameter pipe merges from the east and the pipe then increases in size to a 24” diameter with a length of 560 feet. The pipe then empties into Pines Brook.

PB29 is located north of Smith Pond and east of Pines Brook. Surface runoff enters the piped drainage system into an 18” diameter pipe with a length of 560 feet. The pipe diameter then increases to 24” for a length of 2420 feet. The pipe then discharges into Pines Brook.

PB30 is located north of Lakeview Ave and east of Pines Brook. The storm water runoff enters the system in an 18” diameter pipe with a length of 520 feet. The pipe size then increases to a 24” diameter pipe and continues for 410 feet. The pipe then empties into Pines Brook.

PB31 is located north of Lakeview Ave on both side of Pines Brook. Runoff enters an 18” diameter pipe with a length of 210 feet. The pipe then discharges into Pines Brook.

PB32 is located north of Smith Pond. Surface runoff enters the piped drainage system into an 18” diameter pipe with a length of 1270 feet. The pipe size then increases to a 30” diameter pipe when joined by an 18” diameter pipe from the south, with a length of 260 feet. At this location, the pipe discharges into Pines Brook.

PB33 is located north of Lakeview Ave and west of Pines Brook. Storm water runoff enters the piped drainage system into an 18” diameter pipe with a length of 200 feet. The pipe then discharges into Pines Brook.

PB34 does not contain any piped drainage system. Storm water runoff flows overland and directly into Pines Brook.

PB35 is located northeast of Smith Pond. Flow enters the system into an 18” diameter pipe with a length of 300 feet. The pipe then discharges into Pines Brook.

PB36-PB42 do not contain any piped drainage systems. Storm water runoff flows overland and directly into Pines Brook.

2.5.4 Mill River System

The Mill River System encompasses all of the above systems. The Horse Brook/Mill Creek Systems flow into Northeast and Northwest Ponds. This flow then enters Hempstead Lake which flows into South Pond. In South Pond, the flow is combined with discharge from the Schodack Brook system. The flow then moves on to Smith Pond where it is also joined by the flow from the Pines Brook System. Where the flow exits Smith Pond downstream of the outlet weir it is joined by flow from two sub-watersheds located to the east of Hempstead Lake, South Pond, and Smith Pond. This combined flow then passes under Merrick Road, the LIRR, and Sunrise Highway in massive box culverts ultimately discharging to the Mill River. Flow downstream of the Smith Pond weir is subject to tidal influence.

2.6 Rainfall Patterns

The hydrological analysis of the watershed was based on SCS Type III rainfall patterns and the design storm rainfall totals were based on current NYSDOT values for the 2 year, 5 year, 25 year, and 100 year frequency storms. The probable maximum precipitation for this watershed was calculated to be 32.84 inches from the 34 inch maximum rainfall amount provided in HMR 51. Additional information is provided in Section 3.8 of this report.

2.7 FEMA Floodplain

The most recent Flood Insurance Study for the Hempstead Lake area is dated September 11, 2009 and covers all of Nassau County, New York. The Flood Insurance Rate Maps (FIRM) for the watershed area include panels 0210G, 0216G, and 0217G. The portion of the watershed considered to be within the special flood hazard areas subject to inundation by the 100 year storm event (zone A) is the area around Smith Pond. The inundation area appears to remain within the wooded parklands around the pond which is bounded by Peninsula Boulevard (north), Ocean Avenue (west), and Merrick Road/LIRR (south). The segment of the Mill River immediately downstream of Smith Pond is classified as zone AE and is subject to inundation up to elevation 9 for a 100 year storm event as indicated on panel 0219G. See Appendix F.

Section 3.0 Hydrological Analysis

This section discusses the computer models and methodologies that were used to determine the amount of runoff generated by various design storms including the probable maximum precipitation (PMP) for the overall watershed area. We utilized computer models generated by the US Army Corps of Engineers' (USACOE) Hydrologic Engineering Center (HEC) to predict the peak flow rates and maximum precipitation. Model input data includes information defining the watershed such as area size, slope, runoff curve numbers, time of concentration and lag time, available storage volume, channel routing conditions, and rainfall data. The models and input data are discussed further below.

3.1 Methodology

In general Soil Conservation Service (SCS now known as NRCS) TR-55 methods were used to develop the input data for the Hydrologic Modeling System (HEC-HMS) version 3.5 program. The overall watershed was broken down into 110 sub-watersheds based on physical characteristics such as cover conditions, slope, method of conveyance (natural open channel or closed pipe system), and point of discharge. Peak flow rates were generated from HEC-HMS for each sub-area, reach, and water body. Peak flows at key locations such as Northeast Pond, Northwest Pond, Hempstead Lake, Schodack Pond, South Pond, Pines Brook, and Smith Pond were also developed for use in the Hydraulic model. Although stream gage data is not available for the Mill Creek/River system a limited amount of stream gage data is available for the Pines Brook. The flow data and corresponding rainfall data was used to help calibrate the model.

The probable maximum precipitation (PMP) for this project was generated using data from Hydro-Meteorological Report 51 (HMR51), "Probable Maximum Precipitation Estimates, United States East of 105th Meridian" published by the USACOE, NOAA, and the National Weather Service in June 1978. Rainfall data from HMR51 and watershed boundary Northing/Easting data from LKB's CADD files were then input into the HMR52-FL computer spreadsheet model set up by Gary M. Franc and most recently updated on 2/12/2014. HMR52-FL was developed by converting the original HEC HMR52 FORTAN code into a more user-friendly Excel spreadsheet format.

HMR52 stands for Hydro-Meteorological Report 52 "Application of Probable Maximum Precipitation Estimates, United States East of the 105th Meridian" which was published by the National Weather Service and the USACOE in August 1982. HMR52 presents the procedure to maximize the amount of runoff from a watershed based on an elliptical isohyet pattern derived from past major recorded rainfall events. The ratio of major to minor axes of 2.5 to 1 is used for the elliptical pattern. The program generates the total rainfall for a 72 hour period in 6-hour increments and compares (a) varying storm sizes for the optimal fixed storm orientation and (b) fixed storm sizes for varying storm orientations. It then determines the maximum rainfall over a 24 hour period based on the four largest 6-hour increments.

HMR52-FL calculates the PMP for the study area to be 32.84 inches of rain based on a fixed storm size of 10 square miles at an orientation of 207.97 degrees. This compares to the maximum possible rainfall of 34 inches for this area given in HMR51 over a 24 hour period and an optimal orientation of 201 degrees. HMR52-FL also allows the user to break the overall watershed into sub-watersheds for comparison purposes.

3.2 Sub-watershed Delineation

Initially the watershed was broken down into fairly large sub-watersheds based on GIS topography, existing drainage collection system record information, aerial orthoimagery, and the point of discharge into a major water body. This simplified approach seemed to yield very conservative (high) rates of runoff due to the size of the areas, so the sub-watersheds were then broken down into 110 smaller areas based on flow patterns and the location of junction points (either natural stream confluences or piped system manholes/junction structures). Breaking the overall watershed down into smaller pieces allows for subtle changes in the times of concentration for each subarea which then is reflected in the overall peak flow times. This approach did reduce peak flow rates however many sub-watersheds have similar characteristics (flow lengths and slopes, runoff curve numbers, etc.) so the peak flows are still high for this area. See Figure 5, HEC-HMS Model Layout.

Figure 5 represents the dendritic system that makes up the Mill River Watershed. The branches indicate flow through the Pines Brook (PB), Schodack Brook (SD), Northwest Pond (NW), Northeast Pond (NE), and Smith Pond (SM). Sub-basins (SB) indicate areas where flow is generated. Junctions (J) indicate changes in flow conditions such as change of pipe size or slope, or where flows are being combined. Flow is routed through reach areas (R) or reservoir storage areas to develop peak flow rates for each design storm entered. The HEC-HMS model uses hydrological input variables including tributary area, curve number, lag time (60% of the Time of Concentration), flow length, slope, channel type/geometry, and reservoir stage /storage data to determine runoff flow rates.

3.3 Runoff Curve Numbers

The runoff curve numbers were based on the type of development/zoning, the type of vegetative cover, and the underlying soil conditions for the area. The United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS) geotechnical data was used to determine the hydrologic soil group classification for each tributary area within the watershed. The Curve Number is a value between 0 and 100 which represents the average antecedent runoff condition for the study area. The CN was determined by using the knowledge of the ground cover and the soil group by selecting the most appropriate average antecedent runoff condition value from the runoff Curve Number table. In general the watershed area is highly developed with fairly dense residential zoning mixed with commercial areas and a few scattered open spaces (golf courses, parks).

KEY

PB – PINES BROOK
SD – SCHODACK BROOK
NE – NE POND
NW – NW POND
SO – SOUTH POND
SM – SMITH POND
HEMP LAKE – HEMPSTEAD LAKE
SB – SUBBASIN
R – REACH
J - JUNCTION
SINK- SYSTEM OUTLET

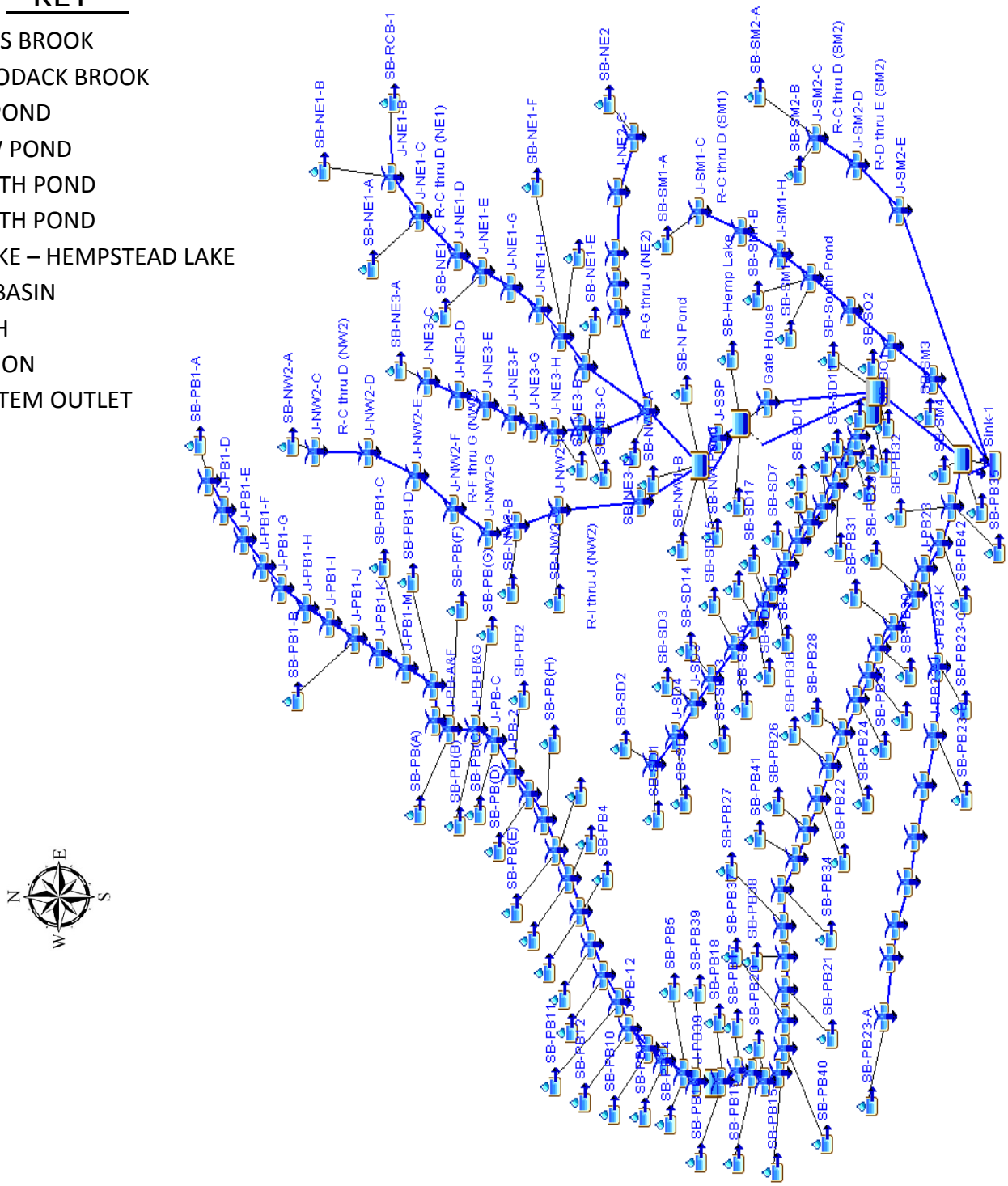


FIGURE 5
HEC-HMS Model Layout

It should be noted that Table 3.1 shown below is for informational purposes and does not depict the actual values used in the model. For the HEC-HMS model a separate curve number was applied to each subarea rather than applying a weighted CN to groups of subareas. The table is intended to provide insight into the general characteristics of the subareas. Detailed curve number data is provided in Appendix A of this report.

Table 3.1 – Weighted Curve Numbers

Location	Total Area	Weighted CN	Weighted CN
(Outlet)	(acres)	(original estimate)	(modified)
NE Pond	2492.52	81	73
NW Pond	831.76	75	67
Hempstead Lake	308.57	74	67
Schodack Pond	339.81	77	69
South Pond	69.00	75	68
Pines Brook	2762.52	81	73
Smith Pond	758.29	77	69

The original estimated CN values for each watershed were applied to the HEC-HMS model and run. There is no available stream gauge data for the Mill River, however there is a limited amount of USGS data available for the Pines Brook. The USGS peak stream flow data and corresponding rainfall data for a storm on 1/3/1999 was used to check the Pines Brook segment of the model for reasonableness. The hydrograph for that date was run through the model and peak flows were compared to the available data. The model predicted much higher flows that the record data. The curve numbers were reduced by ten percent and then the model was re-run. The model predicted flows while lower, were still more conservative than the recorded data. It was determined that we would use the lower curve numbers throughout the model. No further calibration was attempted since the information about the Pines Brook gauge was very limited.

3.4 Times of Concentration

The Time of concentration (T_c) and Travel Times (T_t) through each tributary area were calculated using Technical Release 55 (TR-55) Peak Discharge methodologies (USDA 1986). The time of concentration is the time required for the entire sub-watershed area to contribute runoff flow from the most remote point to the outlet point. The T_c is the sum of the individual travel time components within the sub-area. Calculation of the T_c and T_t involves knowledge of the surface roughness, channel shape and flow patterns, flow length, and average slope of tributary topography. Typically throughout the watershed the Tc values range from 0.5 hours to 2 hours with an average time around 0.9 hours. The input for the HEC-HMS program is the sub-area lag time which equals

60% of the T_C for ungauged watersheds. Detailed calculations for Times of Concentration/Lag Times are provided in Appendix C of this report.

3.5 Surface Water Storage and Reservoir Routing

Surface water storage is provided by several waterbodies throughout the watershed. From upstream to downstream waterbodies along the Mill River system include: NE Pond, NW Pond, Hempstead Lake, Schodack Pond, South Pond, and Smith Pond. Additional storage is provided in the wooded wetland area located between South Pond and Smith Pond. Hall's Pond provides storage at the upstream end of the Pines Brook system and the Tanglewood area provides storage at the downstream end.

Storage area volumes were derived from available CAD and GIS data supplemented by bathymetric survey data. The volume data was input into HEC-HMS as stage-storage tables. See section 2.4 of this report for additional stage-storage information. Initial water surface elevations were set to the outlet weir/open channel elevations at NE Pond, Hempstead Lake, Schodack Pond, South Pond, Smith Pond, and Hall's Pond. The water surface elevation at NW Pond was set at elevation 25.0 feet which reflects average conditions after the earthen dam was breached. The top of slab elevation for the earthen dam is 27.1 feet (NAVD88). The culvert invert under the Southern State Parkway is set at elevation 19.6 feet.

3.6 Channel Routing

The Muskingum-Cunge method of routing which uses Manning's equation was used in the HEC-HMS analysis for this watershed. The input data for channel routing includes Manning's roughness coefficient "n" values, channel width, shape, slope, side slopes.

Table 3.2 – Roughness Coefficients

Surface condition	**"n" value**
Concrete/ brick	0.015
Corrugated metal	0.022
Earth channel – weedy	0.030
Natural streams – major rivers	0.035
Floodplains – light brush	0.050
Floodplains – heavy brush	0.075
Floodplains - trees	0.150

3.7 Groundwater Conditions

Groundwater (base flow) was not modelled in a detailed fashion using HEC-HMS due to a lack of recorded data. The starting water surface elevations within the lake and ponds were set to the elevation of the controlling outlet structures. Since the outlet dam for the NW Pond was previously breached the starting water surface elevation was set to reflect average observed conditions since the breach.

According to USGS recorded data for general groundwater conditions on Long Island in 2010 groundwater appears to drop from elevation 30 north of the NE Pond to below 20 near the Hempstead Lake Dam to an approximated elevation10 at the downstream end of Smith Pond. These water levels are high and reflect that the highest water year ever recorded for New York was from October 2010 to September 2011.

USGS took monthly at the gatehouse during the period between May 2003 through September 2006. Extreme water levels for this period were a maximum of 22.41 feet (4/19/2005) and a minimum of 19.34 feet (5/13/2003). It should be noted that Hempstead Lake was at its lowest elevation in October 2002 (outside of this range) when the Lake was almost dry. The average water level for the 2006 water year from October 2005 to September 2006 was elevation 20.9. The extremes for this period were 21.32 feet in November and 20.45 feet in April. Water year 2006 had the highest recorded water levels for New York until water year 2011.

In addition to the readings taken at the Hempstead Lake Dam gatehouse there are three USGS monitoring wells (#13374.1, #13373.1, and #13372.1) located close to the perimeter of the lake with data from the period 2002 to 2015. Well #13374.1 is located at the northern end of the lake near Peninsula Boulevard and reflects water levels in the North Ponds as well as the north end of the lake. The average water elevation for this well is 25.06 feet. Well #13373.1 is located near Lakeside Drive on the western side of the lake at about the midpoint and reflects the average water level near the middle of the lake at 21.55 feet. Well #13372.1 is located near Lakeside Drive and appears to be just east and downstream of the dam. The average water level at well #13372.1 is 16.77 feet which likely reflects the drop in water level from the upstream to downstream sides of the dam. See Appendix E for additional groundwater data.

3.8 Precipitation

Theoretical storm precipitation was based on the 24 hour SCS Type III design storm for various frequency storms from 5 years to 100 years. To determine the probable maximum precipitation (PMP) an analysis using HMR 51 and HMR 52 was conducted.

HMR 52 was used to estimate the PMP spatially and temporally to the Hempstead Lake watershed. As noted above the PMP for this watershed was determined to be 32.84 inches. The hyetograph from HMR 52 for the peak 24 hour period was input into HEC-HMS to generate the peak flows for the PMF. For the HEC-RAS analysis ½ the peak

flows for the calculated PMF were used. The results of the HMR 52 analysis are provided in Appendix H.

Table 3.3 – Precipitation

Design Storm	Total Rainfall
(Frequency)	(in)
5 year	4.5
25 year	6.0
50 year	7.0
100 year	7.5
PMP	32.84

3.9 Existing Condition Peak Flows

A summary of peak flows modeled in HEC-HMS for the existing conditions is provided below in Table 3.4. The locations roughly follow the flow of runoff through the watershed from upstream to downstream. The first location is the Mill Creek upstream of where it enters the NE Pond. The second location is at the outlet to the NW Pond and reflects the additional inflow into the NW Pond from a 96" diameter pipe and overland flow as well as storage within the NE and NW Pond. The attenuation of peak flows in the North Ponds is evident for the 5 year and 25 year storm events but the capacity of the ponds is exceeded for the larger storm events. The third location in Table 3.4 is at the dam outlet of Hempstead Lake which attenuates more flow for all storms until it is overtopped by the ½ PMF event. Two locations are included for the ½ PMF event to show outflow through the dam separately from flow due to overtopping. The next location is at the outlet to South Pond and reflects additional flow into the watershed from Schodack Brook as well as storage within the pond. The last location is at the outlet weir of Smith Pond which discharges into tidal waters. The table includes the time of the peak inflow and peak outflow during the 24 hour storm. It should be noted that the peak outflow from Hempstead Lake extends past 24 hours for some storm events and is shown as a time value greater than 24.

Table 3.4 – Peak Flows Existing Condition

Storm Frequency	Location	Time Hr: Min	Peak Inflow CFS	Peak Outflow CFS	Time Hr: Min
5 year	Mill Creek into NE Pond	12:45	1831	1760	13:00
5 year	NW Pond Outlet	13:00	631	564	14:45
5 year	Hempstead Lake Outlet	14:45	611	25.2	29:45
5 year	South Pond Outlet	13:00	233	128	14:30
5 year	Smith Pond Outlet	13:45	1433	1342	14:15

Table 3.4 – Peak Flows Existing Condition (continued)

Storm Frequency	Location	Time Hr: Min	Peak Inflow CFS	Peak Outflow CFS	Time Hr: Min
25 year	Mill Creek into NE Pond	12:45	3051	2901	12:45
25 year	NW Pond Outlet	13:30	2368	1432	14:15
25 year	Hempstead Lake Outlet	14:15	1489	68	29:15
25 year	South Pond Outlet	13:00	392	210	14:15
25 year	Smith Pond Outlet	14:00	2058	2004	14:30
100 year	Mill Creek into NE Pond	12:45	4337	4160	12:45
100 year	NW Pond Outlet	13:15	4387	3404	13:30
100 year	Hempstead Lake Outlet	14:00	3443	78.9	28:30
100 year	South Pond Outlet	13:00	591	301	14:00
100 year	Smith Pond Outlet	14:15	2510	2471	14:30
PMP full	Mill Creek into NE Pond	16:15	25723	25486	16:15
PMP full	NW Pond Outlet	16:15	32616	31306	16:30
PMP full	Hempstead Lake Outlet	16:45	32129	902	17:45
PMP full	Hempstead Lake Overtop	17:45	18367	18362	17:45
PMP full	South Pond Outlet	17:30	20883	19981	17:45
PMP full	Smith Pond Outlet	17:15	36169	35338	17:30
1/2 PMP	Mill Creek into NE Pond	16:15	12862	12743	16:15
1/2 PMP	NW Pond Outlet	16:15	16308	15653	16:30
1/2 PMP	Hempstead Lake Outlet	16:45	16065	451	17:45
1/2 PMP	Hempstead Lake Overtop	17:45	9184	9181	17:45
1/2 PMP	South Pond Outlet	17:30	10442	9991	17:45
1/2 PMP	Smith Pond Outlet	17:15	18085	17669	17:30

Peak flows are calculated based on the outlet configurations for each waterbody as discussed in Section 2 and detailed further in Section 4 of this report. The initial flows into the Northeast Pond are somewhat conservative since much of the upstream watershed is collected in large box culvert and piped systems that convey flow into an open channel upstream of the pond and the capacity of these systems is far exceeded during the bigger storm events. The resultant runoff that cannot get into the system is assumed to flow overland to the pond but likely takes longer to reach it than estimated in the HEC-HMS program. Only peak flows are shown here but the full hydrographs for each storm event were used in the HEC-RAS analyses.

Section 4.0 Hydraulic Analysis

This section discusses the computer models and methodologies that were used to determine the water surface elevations generated from by the previously calculated flows from various SCS type III design storms as well as the probable maximum precipitation (PMP) for the overall watershed area. We utilized computer models generated by the US Army Corps of Engineers' (USACOE) Hydrologic Engineering Center (HEC) to predict the peak water surface elevations. The model's input data are discussed further below.

4.1 Methodology

The flows obtained from HEC-HMS model were used along with gathered cross sectional data to build the River Analysis System version 4.1 (HEC-RAS) model. Cross section data included elevation, and roughness coefficient information for channel and overbank areas. This model was able to calculate water surface elevations for the various design storms to help determine the needs for any improvements to the outlets at Northwest Pond, South Pond, and the Hempstead Lake Dam. The unsteady flow regime was used to determine backwater effects within the model. The model was run for the existing conditions as well as with the proposed changes to the North Ponds, the outlet at Northwest Pond and the repairs to the Hempstead Lake Dam gatehouse. It was necessary to show the South Pond outlet could pass a 100 year storm through the spillway and the Hempstead Lake Dam could pass 50% of the PMF.

4.2 Model Development

The computer software Watershed Modeling System 9.1 (WMS) by Aquaveo was used to set up the watershed flow area. Within the WMS program, GIS mapping was downloaded, which forms the basis for cross section elevation data. GIS data was supplemented with field survey at select locations and bathymetric survey data for the water bodies. The data was re-triangulated to create a new digital terrain model (DTM) within the WMS software. From the WMS inputs, the HEC-RAS model was developed. HEC-RAS requires the input of cross sectional information at all culvert and bridge crossings of the study area. Survey and record plan data were compiled for the outlet structure at Northwest Pond, the culvert under Southern State Parkway, the Hempstead Lake Dam, the outlet structure of South Pond, the culvert under Lakeview Ave, the culvert under Maine Ave, and the culvert under Peninsula Blvd and the inlet and outlet structures of Smith Pond. Additional cross sections were extracted where noticeable change in the cross section geometry of the flow path occurred including channel width, channel depth, slope, and roughness.

Once the cross sections were extracted in WMS, the information was exported to HEC-RAS. In HEC-RAS culvert information including, opening height and width, slope,

material roughness coefficients, and inverts were entered. Hydrographs for various SCS Type III design storms generated in HEC-HMS were then input into HEC-RAS. An unsteady flow analysis was conducted to determine the water surface elevations along the flow path for each design storm. The analysis was run for existing conditions and then run again with the proposed improvements to the North Ponds, NW Pond outlet weir and the repairs to the Hempstead Lake Dam gatehouse. HEC-RAS calculates the peak flow, the water surface elevation, energy grade elevation and channel velocity. It also indicates the flow within the channel and in each overbank area. The HEC-RAS output data is included in Appendix I of this report. The output includes the data reports, the maximum water surface profile and the maximum water surface plan view for each storm event. The flood map for the dam breach analysis was plotted on top of aerial photography of the study area to determine the related impacts.

The model was updated in 2016 to address comments from the NYSDEC regarding the breach times and overall duration of the Half PMF event. A discussion of these parameters is included in Section 5.0 Proposed Mitigation Measures. Additionally the proposed topography of the north ponds was revised in 2017 to address habitat issues.

4.2.1 Mapping Data

Data was obtained from a variety of sources. Cross section elevation data was obtained from the USGS National Elevation Data Set (NED, 10m resolution.) The vertical datum referenced is the North American Vertical Datum of 1988, (NAVD 88.) The horizontally referenced datum is the North American Datum of 1983, (NAD 83.) Culvert and outlet survey information was obtained by Nassau County Department of Public Works record plans as well as New York State Department of Transportation record plans supplemented by additional field survey conducted during this study.

As part of this study bathometric survey was conducted at NE Pond, NW Pond, Hempstead Lake, South Pond, and Smith Pond in order to obtain bottom surface elevations. Survey shots were taken at the hard bottom surface and if applicable at the soft bottom surface as well. These shots were labeled BM (bottom of muck) and TM (top of muck), respectively. This information is needed to accurately depict the existing conditions and to determine if dredging to remove the soft sediment would provide significant additional storage capacity.

Mapping data from the USGS is in the NAVD 88 vertical datum. Previously obtained Nassau County Department of Public Works and New York State Department of Transportation record plan data were in the NGVD 29 datum. Survey data complied during this study was also in the NGVD 29 datum. All elevations were converted into the NAVD 88 vertical datum. The conversion from NGVD 29 to NAVD 88 in this area is:

$$\text{NAVD 88} = \text{NGVD 29} - 1.10 \text{ feet}$$

All horizontally referenced data was referenced to the NAD 83 horizontal datum. Prior to NAD 83 the horizontal datum was NAD 27. Within this study, record plans were used to obtain elevations for placement within models. Locations of outlets, streams, and culverts were obtained through up to date horizontal locations and not from record plans. There was no need to update the horizontal reference datum.

4.2.2 Cross Sections

Within the HEC-RAS model, cross sections are required for the model to process the geometry of the river flow. HEC-RAS requires the cross section elevations as well as the manning's roughness coefficients for all channel and overbank areas. Additional cross sections are needed wherever there are noticeable changes in a stream's geometry, roughness or slope. The WMS program with the use of GIS mapping/ survey data was able to extract cross sections at the chosen locations to obtain horizontal and vertical elevation data. Key sections were added based on field survey and record plan data. See Figure 6, Cross-section Locations.

In addition to requiring cross sections to form an accurate representative depiction of the stream flow, HEC-RAS also requires cross sections to represent all outlet structures and culvert or bridge crossings which may affect the stream flow in different situations. For this study, a number of existing in-line structures were taken into account while developing the HEC-RAS model including: Hempstead Lake Dam, the weir at South Pond, and the weir at Smith Pond. The remaining roadway crossings were modeled as culverts. Table 4.1 below indicates the modelling parameters used at key cross-section locations.

To model the roadways crossing the stream flow, and the stream flow entering and exiting culverts at these locations, multiple cross sections are needed. HEC-RAS requires a minimum of four cross sections at each of these locations. One cross section is required sufficiently upstream of the crossing to model normal flow along the stream. A second cross section is required just upstream from the culvert, to model the constriction of flow before entering the culvert. A third cross section is required immediately downstream of the culvert to model the beginning of the expansion of flow exiting the culvert. Finally a fourth cross section is required sufficiently downstream from the culvert to model the unconstructed normal flow of the stream once again. The two cross sections located immediately upstream and downstream of the culvert are extremely important as they help to model the ineffective flow areas along the cross section of the stream. Additionally ineffective flow areas were designated in northern part of the NW Pond due to the geometry and flow pattern from the NE Pond into the NW Pond.

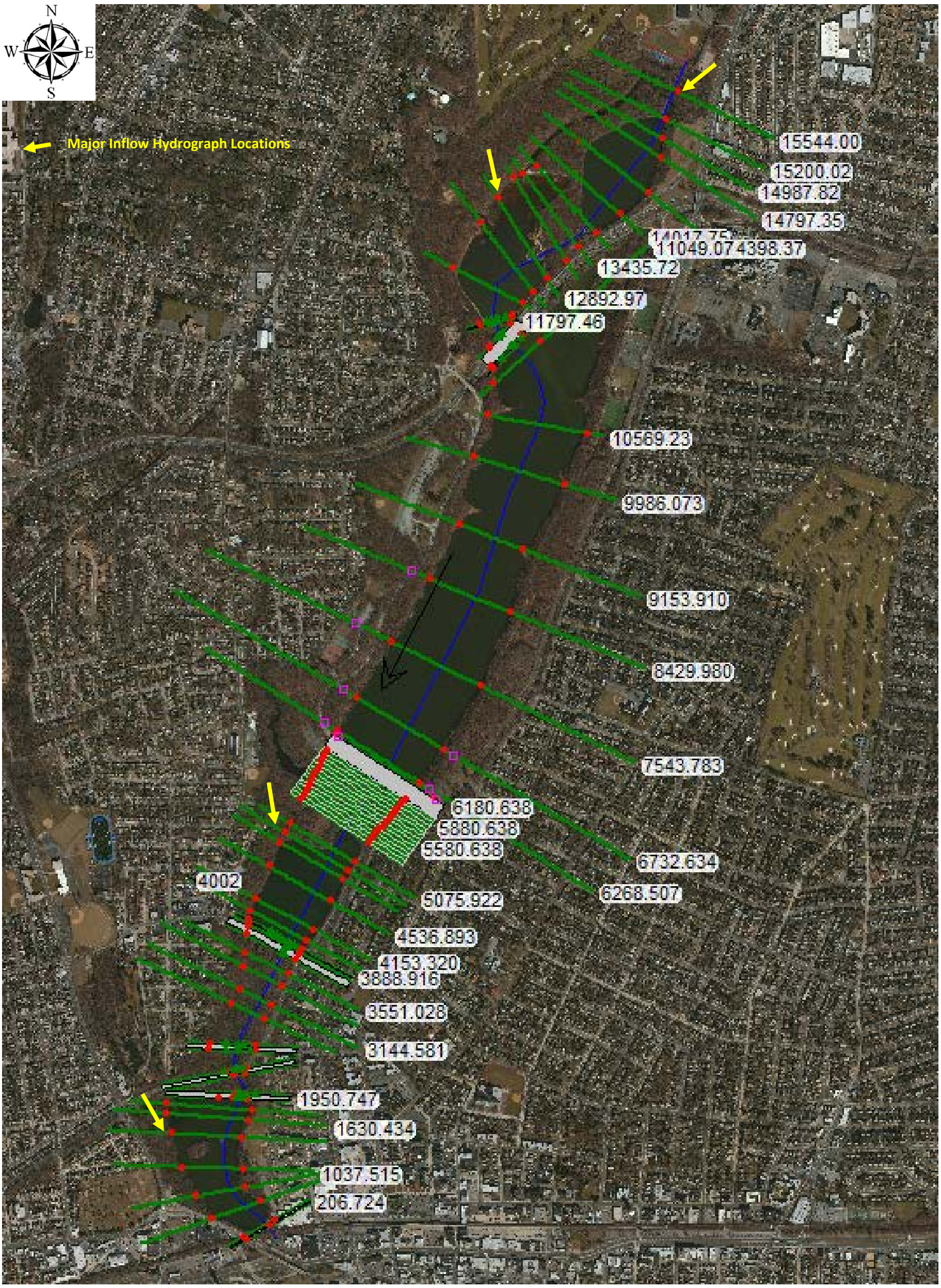


FIGURE 6

Cross Section Locations

Table 4.1 Existing Culvert and Weir HEC-RAS Inputs

NW Pond Breached Dam (modeled as culvert)

Rise: 6’	Entr Loss Coeff: 0.5
Span: 30’	Exit Loss Coeff: 1.0
Upstream Invert: 19.9	Manning’s n: 0.013
Downstream Invert: 19.9	Culvert Length: 17’
Dam Top Elevation: 27.1	
36” Overflow Pipe Invert Elevation 27.0	

Southern State Parkway (modeled as culvert)

Rise: 10’	Entr Loss Coeff: 0.5
Span: 20’	Exit Loss Coeff: 1.0
Upstream Invert: 19.6	Manning’s n: 0.013
Downstream Invert: 19.6	Culvert Length: 151’
Roadway Elevation: 37.0	

Twin Pipes south of SSP

Rise: 5’	Entr Loss Coeff: 0.5
Span: 6’	Exit Loss Coeff: 1.0
Upstream Invert: 19.3	Manning’s n: 0.013
Downstream Invert: 19.3	Culvert Length: 10’
Dam Top Elevation: 25.8	

Hempstead Lake Dam/ Lakeside Drive (modeled as inline structure)

Roadway/Dam crest Elevation: 35.66

Gates:	2 lower gates: 1’ rise x 2.58’ span	invert 20.2
	4 upper weir “gates”: 2’ rise x 6’ span	invert 30.85

Sluice gate coeff: 0.6
Submerged orifice flow coeff: 0.8
Weir flow over gate sill, broad crested 3.0

Pipe Arch out of Hempstead Lake Dam (modeled as lidded sections)

Rise: 4’
Span: 11’
Upstream Invert: 10.0
Downstream Invert: 8.0

Weir at South Pond Outlet (modeled as inline structure)

Broad crested weir
Berm elevation: 17.0
Crest of weir elevation: 12.0
Length of weir: 25’
Width of weir with flow: 3’
U/S and D/S Embankment side slope: 0

Table 4.1 continues on next page

Table 4.1 Existing Culvert and Weir HEC-RAS Inputs (continued)

Culvert under Lakeview Avenue (modeled as culvert)

Rise: 4’	Entr Loss Coeff: 0.5
Span: 11.5’	Exit Loss Coeff: 1.0
Upstream Invert: 6.1	Manning’s n: 0.013
Downstream Invert: 6.0	Culvert Length: 70’
Roadway Elevation: 13.5	

Auxiliary Outlet Weir at South Pond original gatehouse (modeled as lateral inline structure)
Crest of weir elevation: 26.5
Length of weir: 15’

Culvert under Maine Avenue (modeled as culvert)

Rise: 4.5’	Entr Loss Coeff: 0.5
Span: 11.8’	Exit Loss Coeff: 1.0
Upstream Invert: 4.4	Manning’s n: 0.013
Downstream Invert: 4.3	Culvert Length: 32.3’
Roadway Elevation: 10.6	

Culvert under Peninsula Boulevard (modeled as culvert)

Rise: 5’	Entr Loss Coeff: 0.5
Span: 12’	Exit Loss Coeff: 1.0
Upstream Invert: 4.1	Manning’s n: 0.013
Downstream Invert: 4.1	Culvert Length: 40’
Roadway Elevation: 11.0	

Culvert at inlet to Smith Pond (modeled as culvert)

Rise: 5.5’	Entr Loss Coeff: 0.5
Span: 11’	Exit Loss Coeff: 1.0
Upstream Invert: 3.9	Manning’s n: 0.013
Downstream Invert: 3.7	Culvert Length: 53.5’
Roadway Elevation: 17.6	

Weir at Smith Pond Outlet (modeled as inline structure)
Broad crested weir
Crest of weir elevation: 5.48
Length of weir: 113’
Width of weir with flow: 20’
U/S and D/S Embankment side slope: 0

4.2.3 Flow Change Locations

Several strategic flow change locations were identified during the study. These locations are where inflow hydrographs representing additional flow are added into the overall Mill River system in HEC-RAS. The initial flow from the Horse Brook/Mill Creek open channel is supplemented by additional flow at the Northwest Pond, Hempstead Lake, South Pond (which includes flow from Schodack Brook), and Smith Pond (which includes flow from Pines Brook).

4.2.4 Downstream Tidal Conditions

South of the weir outlet from Smith Pond is considered to have tidal influence from the south. The study terminated at the weir outlet of Smith Pond as it is beyond the scope of this project to determine the influence tides would have on the system during a large storm. It is assumed that south of Smith Pond tidal influence will outweigh the runoff component of the stream flow through Smith Pond.

4.3 Summary of Existing Condition Results

During the 5 year and 25 year storms for the existing conditions no roadway crossings within the watershed are overtopped. Lakeview Avenue has less than six inches of freeboard during the 100 year storm. Maine Avenue has less than six inches of freeboard during the 25 year event and overtops during the 100 year event. Peninsula Boulevard has less than one foot of freeboard during the 25 year event and overtops during the 100 year storm. During the 5 year storm all roadways have more than one foot of freeboard. The Southern State Parkway and the Hempstead Lake Dam have several feet of freeboard during the 5 year, 25 year, and 100 year storm events.

The Hempstead Lake Dam was evaluated for a “sunny day” piping failure. The normal water surface elevation was considered to be 22.0 feet which is slightly above the existing invert of the two upper gates that have been cut open. The area immediately downstream of the dam at the toe of slope is at approximately elevation 19.0 feet so the bottom of breach elevation was set there. The resultant sunny day flood map is shown in Figure 7. No downstream structures are overtopped and the flood waters appear to be contained within the waterbodies and wetland areas.

During the ½ (or 50%) PMF event Hempstead Lake Dam and all of the adjacent roadways would be overtopped including: the Southern State Parkway (by 3.12 feet), the dam/Lakeside Drive (by 0.90 feet), South Pond Dam (by 5.41 feet), Lakeview Avenue (by 8.63 feet), Maine Avenue and Peninsula Blvd (both by more than 10 feet). In fact the Hempstead Lake Dam continues to overtop for the 45% PMF, 40% PMF, and 35% PMF events. At 35% of the PMF, the Southern State Parkway would overtop by more than 2 feet and downstream roadways by 4 to 7 +/- feet. The difference between the breach and non-breach results for the downstream roadways is more than 3 feet.

4.4 Comparison of Previous Data

4.4.1 FEMA 2009 Flood Study Results

The Flood Insurance Rate Maps for the Hempstead Lake area resulting from the FEMA 2009 flood study were compared to the results of this study. The existing condition flood

FIGURE 7

Sunny Day Flood Map

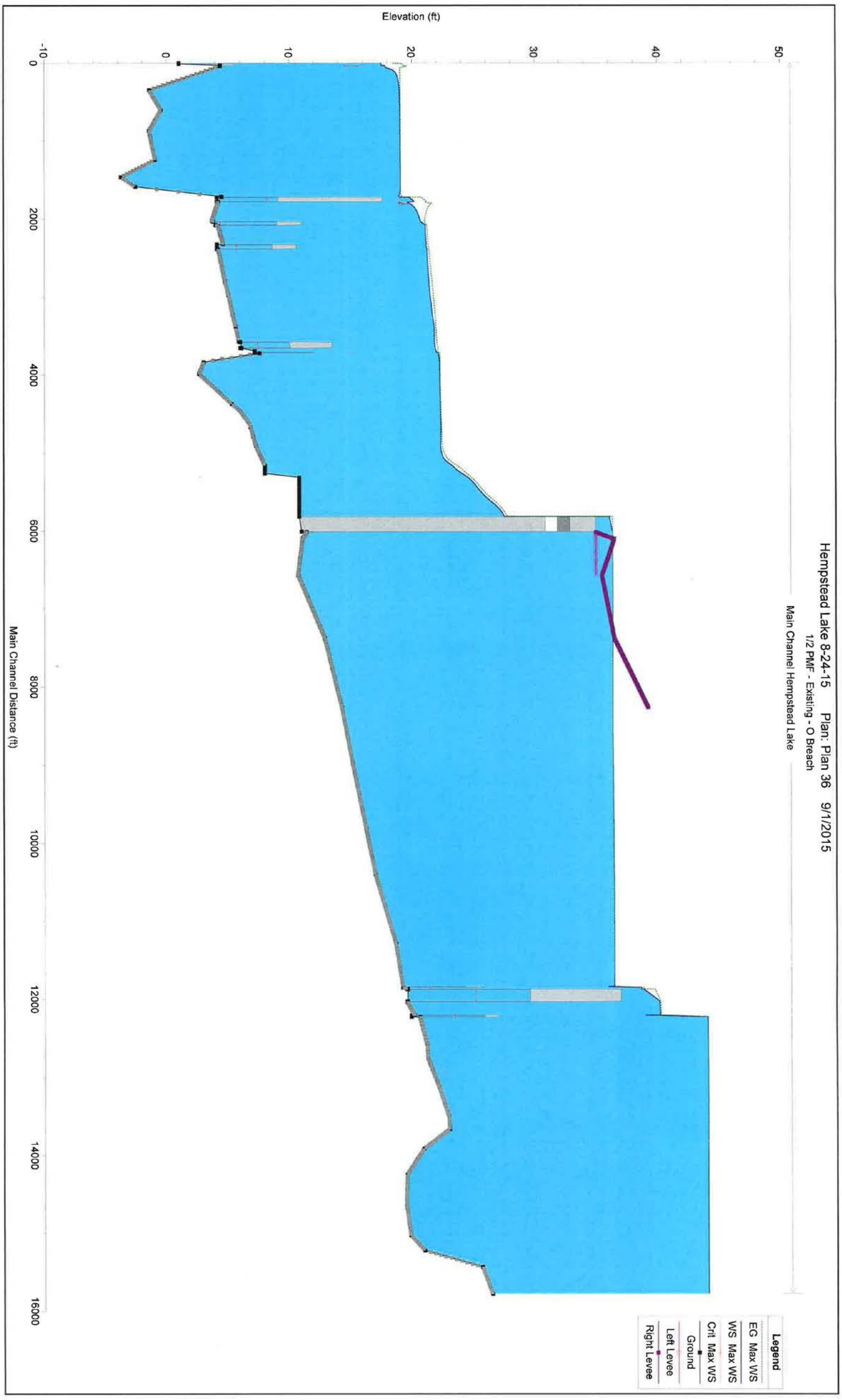


FIGURE 8

Existing Half Probable Maximum Flood (PMF) Breach Profile

FIGURE 9

Existing Half Probable Maximum Flood (PMF) Flood Map

map for the 100 year storm event is shown in Figure 10 below. The model results indicate that none of the roadways would be overtopped and that runoff would remain within the limits of the waterbodies. This is consistent with the FEMA map panel 0217G that only indicates flooding in the vicinity of Smith Pond. See Figure 11.

4.4.2 Pines Brook Stream Gauge Data (1937 to 1999)

There is limited flow gauge data for the study area. The only data discovered was for Pines Brook located south of Lakeview Avenue within the area known as Tanglewood Preserve. Data for this gauge was obtained from the USGS website. The gauge location is Pines Brook at Malverne, NY and gage number is 01311000. See Appendix D for additional information regarding Pines Brook.

Flow from a storm on 1/3/1999 was recorded on the flow gauges at Pines Brook. Rainfall recorded at nearby JFK airport for that date was downloaded from online sources and used to create a hyetograph that was then input into HEC-HMS. The model was run for that storm and the results for the Pines Brook branch were compared to the USGS recorded peak flow for that date. The recorded peak flow was 873 cfs. The modeled peak flow was significantly higher at 1508 cfs. In an attempt to achieve closer results we lowered the runoff curve numbers by ten percent and re-ran the model again. Our results were closer (1167 cfs) to the recorded flow but still 33% higher. Because the drainage area for the gauge was different than our calculated area we did not attempt to calibrate this further. We did use the reduced curve numbers (90% of original CN except 100% for waterbodies) throughout the model.

FIGURE 10

Existing 100 Year Flood Map

FIGURE 11

Flood Insurance Rate Map (FIRM) Panel 0217G

Section 5.0 Proposed Mitigation Measures

This section discusses the general results of the computer modeling and proposed mitigation measures to bring the dam closer to meeting current NYSDEC safety regulations. Currently the Hempstead Lake Dam is classified by the NYSDEC as a small Class C dam (ID#234-0193) and South Pond is considered a Class A dam (ID#234-0192). The NW Pond dam is not listed on the NYS Inventory of Dams but has already been breached with no apparent damage caused downstream. Design requirements for an existing Class A dam include: Spillway design flood 100 Year Storm, Service Spillway design flood 5 Year Storm, and minimum 1 foot of freeboard. Design requirements for an existing small Class C dam include: Spillway design flood of 50% PMF, Service Spillway design flood 25 Year Storm, and minimum 1 foot freeboard.

As discussed briefly in Section 4 the results of the existing condition model indicate that for the 5 year, and 25 year storm events there is no roadway overtopping or flooding between the North Ponds and Smith Pond. During the 100 year storm the remains of the existing NW Pond dam would be overtopped by more than 5 feet but the water level would still be several feet below the Southern State Parkway and Lakeside Drive. The existing design of the NW Pond dam is a 230 foot long earthen berm with an 11 inch thick concrete top slab that also acts as an emergency overflow. The concrete slab meets the existing grade at either end. In reality when the pond fills up during a major storm and the dam is overtopped, the SSP then acts as the dam for the north ponds.

During the 100 year storm the earthen berm that forms a dam around South Pond has almost 2 feet of freeboard while the water level is 3.1 feet over the weir invert. This water level drops down over the spillway before it enters the culvert under Lakeview Avenue where there is 0.33 feet of freeboard. The water level at Hempstead Lake Dam remains over six feet below the crest during the 100 year storm and is 1.6 feet below the four emergency overflow weirs set into the top of the gatehouse. The existing analyses are based on a starting water surface elevation of 22.0 feet in Hempstead Lake which is slightly above the existing invert of the two openings cut into the upper gates.

The two downstream roadway crossings at Maine Avenue and Peninsula Boulevard both overtop (by 1.13 feet and 0.51 feet, respectively) during the 100 year event. Downstream of the arch culvert at Peninsula Boulevard there is a second culvert at the inlet to Smith Pond. There is a retaining wall and a ramp built above this second culvert which is higher than the surrounding area. During the 100 year storm the water elevation is approximately 4.6 feet above the weir at the downstream end of Smith Pond.

The “sunny day” failure was run with the bottom of the breach set at elevation 19.0 which is the ground surface at the downstream toe and a normal water level in

Hempstead Lake of 22.0 feet. Because the downstream toe is higher than the upstream toe some of the water is retained within the Lake. There was no overtopping or flooding as a result of the “Sunny Day” failure, although it is close at Maine Avenue.

The ½ PMF storm was initially modeled using the peak six-hour blocks to create a 36-hour event. After discussions with the DEC the event was expanded to include the blocks resulting in a full 72 hour rainfall event. This change increased the water surface elevations for the existing conditions by up to 4% at the downstream end of the model. In addition the outlet weir for the replacement dam at the NW Pond was revised from multi-step to a single step and the top was lowered from 27.1 to 25.0 feet making the overall height less than six feet. For frequent low-flow events (up to 90% rainfall) it will function the same as the original outlet and the bigger storm events are generally controlled by the adjacent downstream culvert at the Southern State Parkway. The revised unclassified NW Pond dam results in slight (less than 1%) differences in the water levels upstream and downstream of the Southern State Parkway.

The Froelich equation was used to develop the breach times for the Hempstead Lake Dam based on the physical characteristics of the dam which include a downstream toe elevation of 19.0 feet which is higher than the upstream toe (elevation 11.0+/- feet). The calculations indicated a breach time of 1.92 hours, which falls within the range of breach times (0.1 hr to 4.0 hr) recommended by the USACE who also developed the HEC software. FERC generally recommends a smaller range of breach times between 0.1 to 1.0 hours for earthen embankment dams. Hempstead Lake Dam is an earthen embankment with an 18 inch+/- stone layer protecting the upstream side. We compared the results of analyses run for a breach time of 1 hour to those for a breach time of 1.92 hours. The shorter breach time results in higher (1 to 2%) downstream water levels and greater differences in breach to non-breach conditions. Although it may be more conservative, the 1.0 hour breach time is not supported by the Froelich equation results and therefore we present the 1.92 hour results below.

During the ½ (or 50%) PMF storm event the existing Hempstead Lake Dam would be overtopped by approximately 0.90 feet. In addition all the roadway crossings would be overtopped by 3 to 10+/- feet of water. The breach results indicate that 1.98 to 2.62 feet of elevation would be added to the water levels at the downstream roadway crossings due to the dam failure. The HL dam currently cannot meet the regulations requiring it to pass the 50% PMF event with a minimum one foot of freeboard, and a difference of 2 feet or less in downstream water surface elevations between the breach and non-breach conditions.

During the 50% PMF storm event after proposed improvements to the dams and north ponds, the Hempstead Lake Dam would be overtopped by approximately 0.51 feet. In addition all the roadway crossings would still be overtopped by 3 to 10+/- feet of water. The breach results indicate that an additional 2.31 to 3.04 feet of elevation would be

added to the water levels at the downstream roadway crossings due to the dam failure. The HL dam cannot pass the 50% PMF event for the proposed conditions with a minimum one foot of freeboard and a difference of 2 feet or less in downstream water surface elevations between the breach and non-breach conditions.

Since the 50% PMF design storm criteria could not be met smaller percentages of this event were then evaluated for both the existing and proposed conditions. The 45% PMF storm resulted in lower water levels for existing and proposed conditions but in both cases the Hempstead Lake Dam would still overtop and the difference between breach and non-breach conditions increased. The 40% PMF storm results were similar to the 45% results but the difference between breach and non-breach conditions increased for existing conditions and decreased for proposed conditions.

The Hempstead Lake Dam would not overtop under proposed conditions during the 39% PMF event (0.08 feet of freeboard) and the difference in downstream water elevations between the breach and non-breach events would be 1.70 to 2.06 feet. Additional percentages of the PMF event (38% to 35%) were modeled for proposed conditions with little change in results except the amount of freeboard at the dam increased from 0.35 feet to 0.80 feet. Therefore it is reasonable to state that Hempstead Lake Dam meets the current safety requirements for the 39% PMF storm event.

Under existing conditions the dam would still overtop during the 39% PMF and even below the 35% PMF events. Therefore the proposed conditions represent a significant improvement over the existing conditions for the 39% PMF event.

The difficulty with trying to make the dam meet current standards is that both the *upstream and downstream* ends of the watershed are flooded prior to the dam overtopping. NYS Parks has jurisdiction over the area within Hempstead Lake State Park but not over the downstream part of the watershed including the wetland area below South Pond, Maine Avenue, Peninsula Boulevard, and Smith Pond. NYS Parks does not have jurisdiction over the Pines Brook segment of the watershed or the Southern State Parkway. Potential improvements to the watershed were limited to work in South Pond, Hempstead Lake and the North Ponds.

5.1 South Pond

Potential improvements to South Pond include removal of trees along the embankment, limited re-grading along the crest to provide a more uniform crest elevation at approximately elevation 17.0 feet (same as existing), restoration of the stone weir outlet structure and low flow bypass gates (if feasible). These improvements will make the dam safer and easier to inspect in the future. The existing Class A dam can pass both the 5 year and 100 year storm events while maintaining at least one foot of freeboard so no changes to the existing weir configuration (at elevation 12.0 feet) are proposed.

The original outlet structure gatehouse for South Pond at the west end of the dam is in poor condition with only partial walls remaining. The outlet has a concrete barrier constructed in front of it so it would only act as an emergency overflow during a massive storm event. There is still a low flow pipe with a valve that extends out into South Pond that discharges through the barrier into the structure which still connects to the old water supply pipe arch system. Since the structure will be more accessible to the public after the dam is cleared, the partial walls will be knocked down, the connection to the pipe arch will be bulk-headed, the low flow pipe will be removed, and the structure will be back filled with clean material so it no longer poses a danger to the public.

5.2 Hempstead Lake

Potential improvements to Hempstead Lake and the existing dam include: removal of the twin 5’ x 6’ corrugated pipes located at the north end of the Lake and immediately downstream of the culvert under the SSP, improvements to the open channel between the SSP culvert and the Lake, construction of a new pedestrian bridge over the channel, replacing in kind the existing outlet gates and control valves at the HL dam gatehouse while adding new monitoring equipment, restoring the historic gatehouses at each end of the pipe arch, and removing trees, sediment, and vegetation from the dam embankment to allow for proper inspection.

The twin pipes immediately downstream from the SSP culvert seem to impede flow into the Lake. Their close proximity to the culvert creates a backwater effect in the NW Pond which reduces flow. The purpose of the twin pipes seems only to allow the bridle path around Hempstead Lake to cross over the section of open channel between the SSP and Hempstead Lake. The pipes have a thin layer of earth/asphalt/concrete rubble over the top of them and would likely be washed away during a major storm event. In any case flow from the NW Ponds into Hempstead Lake would be improved by their removal.

Analysis of the amount of sedimentation in Hempstead Lake State Park indicates most sediments settle out within the North Ponds and there is less sedimentation in the Lake and it is spread over a bigger area. The quantity of sediment appears to be approximately 40,000 CY and is generally less than 6 inches deep throughout the lake except near the SSP culvert at the north end and near the gatehouse at the south end. In both of these areas there are small localized areas where sediments have accumulated up to 2.5 feet deep. The Lake water level is primarily groundwater so removal of this material would provide little or no storage volume benefit, however some of the accumulated material will be removed during the twin pipe removals/open channel re-grading and sluice gate replacement work.

Refurbishing the brick pipe arch to repair sections of the walls and floor is recommended. The last inspection was performed in 2016 during the drought and at that time there were some limited areas of damaged and heaved bricks. Overall the pipe arch was in good condition. This is the outlet for the dam and needs to be maintained in good working order. To perform this work will require a temporary flow diversion at the gatehouse and pumping to South Pond. The pipe arch repairs are recommended regardless of other improvements and should also improve flow conditions between Hempstead Lake and South Pond.

All five of the existing sluice gates at the gatehouse will be removed and replaced with new gates and gate operators. At this time it appears that the water levels at the gatehouse are close to the upper gate openings and fluctuate about 3 to 4 feet annually with the highest levels typically occurring in Spring. During the droughts of 2002 and 2016 the water levels were considerably lower. In order to account for the changing water levels and to provide maintenance options, it is recommended that the two upper gates, the middle gate, and the two lower gates all be replaced in kind. The gatehouse itself appears to be structurally sound but in need of some maintenance and minor repair work. The gatehouses at both ends of the pipe arch will be restored with as much historical accuracy as possible. A new catwalk will be installed around the side of the building to allow viewing of the exterior gates. A new water level monitoring system will be added to the gatehouse exterior as well as closed circuit cameras to allow for remote viewing of the gates and building.

It is anticipated that the water level of Hempstead Lake will be adjusted on a seasonal basis by leaving the two upper gates open at all times and additionally opening the middle gate from the Fall to the Spring. The transition from one condition to the other would be accomplished by slowly opening or closing the middle gate by a few inches over a one month period.

5.3 North Ponds

Potential improvements to the North Ponds include: limited dredging of sediments in both ponds, creation of a sedimentation settling basin and floatables collection system near the channel inlet to NE Pond, extensive creation of new filtering wetlands and additional NE Pond overflow points to NW Pond, installation of a new dam and outlet weir at the NW Pond, and creation of a small impoundment near the 96 inch diameter outfall pipe to trap floatables. Previous designs included the partial removal of the bridle path between the two ponds to provide additional water storage, but that has now been deleted as it had too great an impact on wildlife habitat. Dredging sediments from the ponds provides limited additional storage (above elevation 25 +/-) and improves the water quality and habitat. The existing NW Pond Dam has been breached and will be replaced with a new dam and outlet weir that help control flows into Hempstead Lake as well as contain sediments.

Additional overflow points from the NE Pond to NW Pond through the berm and from ponds to newly created wetlands will improve water flow through the ponds, eliminate some ineffective flow areas, and enhance water quality at the northern end of NW Pond. The proposed layout of the north ponds is being developed as part of GOSR's *Living With The Bay (LWTB) Project* and is being coordinated with the dam improvements included in this report in order to improve storage conditions upstream from Hempstead Lake.

The proposed dredging work in the NE Pond is primarily to deepen the middle portion of the pond to create better habitat and to re-grade the adjacent areas to create new wetlands to filter the water and improve water quality. Some dredging will be performed to create a sediment detention basin where the stream enters the NE Pond to improve future maintenance of the pond. The re-use of dredged materials will depend on the results of sediment testing to ensure the material is suitable for that purpose.

To improve runoff conditions upstream of Hempstead Lake Dam in coordination with the wetlands work we will install a new dam and outlet weir at the NW Pond. The proposed 230 feet long steel sheet dam will feature a 40-feet wide single step weir set at elevation 21.0 feet that will retain some water within the pond and allow sediments to settle out before flowing downstream into Hempstead Lake. The top of the dam would be set at elevation 25.0 which is two feet lower than the existing dam to minimize impacts to the upstream watershed during severe storm events. The toe of the dam will be set to elevation 20.0 on either side of the overflow weir. The NW Pond picks up flow from a 96 inch diameter pipe system that extends far to the north and west of the pond. Decreasing the water level in the pond under severe storm conditions may also improve impacts on the upstream drainage system.

Various NW Pond weir configurations were investigated to (a) maintain the existing flow and (b) increase flow through the ponds into Hempstead Lake. The modeling was done in conjunction with channel improvements and the removal of the twin pipes downstream of the SSP, and gate replacements the Hempstead Lake Dam outlet that also affect the water level in the Lake. The lowest step in the weir was set at elevation 21 which is higher than the current breach elevation of 19.9+/- feet and will help retain some water within the pond which was mostly dry during 2016. Width of the weir step was set at 30 feet (to mimic existing breach conditions) and then at 40 feet. Additionally a 3-step weir with two foot high steps at elevations 21, 23, and 25 was modeled to increase flow. The top of the dam was modeled at 27.1 feet to match existing and then at 25 feet to increase flow. Flow at the NW Pond Dam is also affected by the adjacent downstream culvert at the Southern State Parkway, particularly under extreme storm events. Some of these scenarios were presented in the previous H&H Assessment dated August 2015 as "Modified Existing" and "Proposed" results.

It was determined from the modeling that a 40-feet wide single step weir set at elevation 21.0 feet with a top of dam elevation of 25.0 feet and a total length of 230 feet provided the best balance of flow through the north ponds to Hempstead Lake. This configuration lowers the water surface elevations everywhere except at the Southern State Parkway where there is a slight increase for the 50% PMF event. These results are presented in this updated H&H Assessment as “Proposed Conditions 2017 Rev1” and are compared to updated “Existing” and “Proposed 2015” Conditions.

Since it is proposed to adjust the gates at Hempstead Lake Dam on a seasonal basis from two upper gates (invert elevation 20.5) open during Spring/Summer to three gates (two upper gates plus middle gate at invert elevation 16.0) open Fall/Winter it is anticipated the water level of the Lake will vary accordingly, depending on groundwater conditions. Therefore we modeled different starting water surface elevations (22 feet, 19 feet, and 17 feet) in Hempstead Lake to see how that would impact the 50% PMF event results. The lower water levels in Hempstead Lake did produce lower downstream water elevations during the dam breach conditions however the differences were negligible. See Table 5.1 – Summary of Modeling Results (Updated 2017 rev1).

5.4 Summary of Results

Under the **existing conditions** there is no control over the water level at Hempstead Lake which is discharged through two holes cut into the broken gates (inverts 20.5+/- feet) and typically varies seasonally by approximately 3 feet between elevations 19 to 22+/- feet. The model indicates there is no flooding or roadway overtopping for the 5 year, 25 year, and “sunny day” failure storm events. The water level in the Lake was set at elevation 22.0 feet for the “sunny day” run. During the 100 year storm event the NW Pond Dam would be overtopped by more than 5 feet but the water levels remain several feet below the Southern State Parkway and Hempstead Lake Dam. Also during the 100 year storm the South Pond Dam has 1.84 feet of freeboard but there is only 0.33 feet at Lakeview Avenue and both Maine Avenue and Peninsula Boulevard would be overtopped by 1.13 feet and 0.51 feet, respectively.

During the 50% PMF, the 45% PMF, and the 40% PMF (72 hour) events the roadways from the Southern State Parkway to Peninsula Boulevard overtop by 2.5 to 10.8 feet and the dams at the NW Pond, Hempstead Lake, and South Pond are over-topped as well. The HL Dam would overtop by up to one foot. In fact the Hempstead Lake Dam would still overtop during the 35% PMF event for existing conditions and the difference in the downstream water surface elevations between the breach and non-breach conditions (35% PMF) is approximately 3.1 to 3.8 feet.

Under the **proposed conditions** the water level at Hempstead Lake will be adjusted seasonally from the upper gates (inverts 20.5) to middle gate (invert 16.0) to provide additional storage during the Fall/Winter seasons. The model indicates there is no

2 openings, ws el 21.25+/-, breach time 1.92 hr

EXISTING CONDITIONS

(Included for reference)

Location	Top of Road elev	5 Year WS Elev	25 Year WS Elev	100 Year WS Elev	Original Report Runs for 36 Hour period using peak 6-hour segments starting WS 21.25 — 50% breach PMF WS Elev	50% non-breach PMF WS Elev	50% Difference Br to non-br ws elev	45% breach PMF WS Elev	45% non-breach PMF WS Elev	45% Difference Br to non-br ws elev	40% breach PMF WS Elev	40% non-breach PMF WS Elev	40% Difference Br to non-br WS Elev	original sunny day failure WS Elev
NW Pond Dam	27.10	27.97	30.48	32.85	44.05	44.05	0.00	42.93	42.93	0.00	41.89	41.89	0.00	21.25
Southern State	37.00	27.69	30.05	32.32	40.12	40.12	0.00	40.12	40.13	-0.01	39.40	39.40	0.00	21.25
HL Dam/Lakeside	35.66	25.24	27.24	29.30	36.36	36.45	-0.09	35.90	36.11	-0.21	35.67	35.80	-0.13	21.25
Lakeview Ave	13.50	9.66	10.93	10.26	21.94	18.80	3.14	21.28	18.23	3.05	21.30	17.73	3.57	11.75
Maine Avenue	10.60	9.16	10.48	10.19	21.25	18.72	2.53	20.70	18.18	2.52	20.72	17.72	3.00	10.32
Peninsula Blvd	11.00	9.01	10.21	10.15	21.14	18.71	2.43	19.99	18.16	1.83	20.00	17.72	2.28	9.57
					overtop 35.6			overtop 35.6			overtop 35.6			ws el 21.25

2 openings, ws el 21.25+/-, breach time 1.92 hr

EXISTING CONDITIONS (updated)

Location	Top of Road elev	5 Year WS Elev	25 Year WS Elev	100 Year WS Elev	Updated Existing Conditions for 72 Hour period starting WS 22 — 50% breach PMF WS Elev	50% non-breach PMF WS Elev	50% Difference Br to non-br ws elev	45% breach PMF WS Elev	45% non-breach PMF WS Elev	45% Difference Br to non-br ws elev	40% breach PMF WS Elev	40% non-breach PMF WS Elev	40% Difference Br to non-br WS Elev	updated sunny day failure WS Elev
NW Pond Dam	27.10	27.99	32.40	32.80	44.51	44.51	0.00	43.22	43.25	-0.03	42.39	42.28	0.11	22.00
Southern State	37.00	27.31	29.21	32.32	40.12	40.12	0.00	40.12	40.12	0.00	39.54	39.54	0.00	22.00
HL Dam/Lakeside	35.66	25.16	27.11	29.19	36.54	37.02	-0.48	36.32	36.46	-0.14	35.94	36.14	-0.20	22.00
Lakeview Ave	13.50	9.66	10.95	13.17	22.14	19.60	2.54	21.87	18.80	3.07	21.60	18.26	3.34	12.03
Maine Avenue	10.60	9.16	10.48	11.73	21.38	19.39	1.99	21.19	18.73	2.46	20.98	18.22	2.76	10.57
Peninsula Blvd	11.00	9.01	10.21	11.51	21.26	19.37	1.89	21.08	18.71	2.37	20.86	18.20	2.66	9.79
South Pond Dam	17.00	13.53	14.16	15.16	overtop 35.6			overtop 35.6			overtop 35.6			ws el 22
														SP 15.01

Location	Updated Exist 72 HR WS 22 BR 1.92 — 39% breach PMF WS Elev	39% non-breach PMF WS Elev	39% Difference Br to non-br WS Elev	38% breach PMF WS Elev	38% non-breach PMF WS Elev	38% Difference Br to non-br WS Elev	35% breach PMF WS Elev	35% non-breach PMF WS Elev	35% Difference Br to non-br WS Elev
NW Pond Dam	42.16	42.11	0.05	41.93	41.90	0.03	41.21	41.21	0.00
Southern State	39.48	40.06	-0.58	39.41	39.40	0.01	39.20	39.22	-0.02
HL Dam/Lakeside	35.89	36.08	-0.19	35.77	36.02	-0.25	35.67	35.77	-0.10
Lakeview Ave	21.58	18.17	3.41	21.51	18.09	3.42	21.29	17.53	3.76
Maine Avenue	20.97	18.14	2.83	20.91	18.07	2.84	20.71	17.52	3.19
Peninsula Blvd	20.85	18.13	2.72	20.80	18.06	2.74	20.62	17.50	3.12
South Pond Dam	overtop 35.6			overtop 35.6			overtop 35.6		
	21.82	18.21	3.61	21.74	18.13	3.61	21.51		

top 3 gates, ws el 17+/-, breach time 1.92 hr, 3 step weir 27.1

PROPOSED CONDITIONS 2015

(Included for reference)

Location	Top of Road elev	5 Year WS Elev	25 Year WS Elev	100 Year WS Elev	Original Report Runs for 36 Hour period using peak 6-hour segments starting WS 17 — 50% breach PMF WS Elev	50% non-breach PMF WS Elev	50% Difference Br to non-br ws elev	45% breach PMF WS Elev	45% non-breach PMF WS Elev	45% Difference Br to non-br ws elev	40% breach PMF WS Elev	40% non-breach PMF WS Elev	40% Difference Br to non-br WS Elev
NW Pond Dam	27.10	26.58	28.83	31.17	40.70	40.70	0.00	41.00	41.00	0.00	40.13	40.13	0.00
Southern State	37.00	26.20	28.49	30.84	40.57	40.57	0.00	39.74	39.74	0.00	39.15	39.15	0.00
HL Dam/Lakeside	35.66	22.35	24.31	26.22	35.89	36.04	-0.15	35.18	35.42	-0.24	34.27	34.56	-0.29
Lakeview Ave	13.50	9.75	11.16	11.82	21.53	18.30	3.23	22.13	18.42	3.71	21.87	18.39	3.48
Maine Avenue	10.60	9.16	10.60	10.46	20.93	18.26	2.67	21.85	18.39	3.46	21.63	18.36	3.27
Peninsula Blvd	11.00	9.01	9.98	10.24	20.82	18.24	2.58	21.84	18.38	3.46	21.60	18.35	3.25
					overtop 35.6			forced 35.0			forced 34.0		

Location	PROPOSED CONDITIONS 2015 — 40% 72 hr 3 step weir BR 1.92 hr breach PMF WS Elev	40% non-breach PMF WS Elev	40% Difference Br to non-br WS Elev
NW Pond Dam	39.77	39.77	0.00
Southern State	39.67	39.67	0.00
HL Dam/Lakeside	34.85	35.41	-0.56
Lakeview Ave	21.37	18.21	3.16
Maine Avenue	20.56	18.16	2.40
Peninsula Blvd	20.48	18.15	2.33
	forced 34.0		

top 3 gates, ws el 17.0, breach time 1.92 hr, 1 step weir 25

PROPOSED CONDITIONS 2017 rev1*

Location	Top of Road elev	5 Year WS Elev	25 Year WS Elev	100 Year WS Elev	Proposed 2017 Conditions rev1 with North Pond Improvements for 72 Hour period starting WS 17 — 50% breach PMF WS Elev	50% non-breach PMF WS Elev	50% Difference Br to non-br ws elev	45% breach PMF WS Elev	45% non-breach PMF WS Elev	45% Difference Br to non-br ws elev	40% breach PMF WS Elev	40% non-breach PMF WS Elev	40% Difference Br to non-br WS Elev	BR time=0.80 sunny day failure WS Elev
NW Pond Dam	27.10	27.87	30.13	32.31	40.79	40.79	0.00	40.33	40.33	0.00	39.82	39.82	0.00	22.00
Southern State	37.00	27.48	29.76	31.97	40.68	40.68	0.00	40.24	40.24	0.00	39.75	39.75	0.00	22.00
HL Dam/Lakeside	35.66	22.53	24.48	26.73	36.17	36.49	-0.32	35.80	36.10	-0.30	35.58	35.68	-0.10	22.00
South Pond Dam	17.00	13.87	14.75	15.35	22.24	19.01	3.23	21.88	18.45	3.43	20.45	18.23	2.22	
Lakeview Ave	13.50	9.80	11.54	13.52	21.98	18.94	3.04	21.64	18.41	3.23	20.29	18.20	2.09	12.59
Maine Avenue	10.60	9.24	10.71	11.82	21.24	18.85	2.39	21.01	18.35	2.66	19.95	18.17	1.78	11.07
Peninsula Blvd	11.00	9.06	10.37	11.82	21.13	18.82	2.31	20.90	18.38	2.52	19.89	18.16	1.73	10.26
					overtop 35.6			forced 35.6			forced 35.0			ws el 22
														SP 15.25

Location	Proposed 2017 Conditions rev1 with North Pond Improvements for 72 Hour period starting WS 17 — 39% breach PMF WS Elev	39% non-breach PMF WS Elev	39% Difference Br to non-br WS Elev	38% breach PMF WS Elev	38% non-breach PMF WS Elev	38% Difference Br to non-br WS Elev	35% breach PMF WS Elev	35% non-breach PMF WS Elev	35% Difference Br to non-br WS Elev	2017 rev1 72 hr WS 22** — 39% breach PMF WS Elev	39% non-breach PMF WS Elev	39% Difference Br to non-br WS Elev
NW Pond Dam	39.72	39.71	0.01	39.58	39.58	0.00	39.11	39.11	0.00	39.72	39.72	0.00
Southern State	39.64	39.63	0.01	39.51	39.51	0.00	39.04	39.04	0.00	39.64	39.64	0.00
HL Dam/Lakeside	35.41	35.52	-0.11	35.17	35.31	-0.14	34.74	34.86	-0.12	35.54	35.75	-0.21
South Pond Dam	20.40	18.22	2.18	20.33	18.20	2.13	20.16	18.06	2.10	20.47	18.24	2.23
Lakeview Ave	20.25	18.19	2.06	20.19	18.19	2.00	20.02	18.03	1.99	20.31	18.22	2.09
Maine Avenue	19.91	18.17	1.74	19.86	18.16	1.70	19.72	18.01	1.71	19.97	18.19	1.78
Peninsula Blvd	19.86	18.16	1.70	19.81	18.14	1.67	19.68	18.00	1.68	19.90	18.17	1.73
	forced 34.0			forced 34.0			forced 34.0					

**almost no difference from HL starting WS 17 results

* revised to minimize habitat impacts at north pond berm

TABLE 5.1 SUMMARY OF MODELING RESULTS (UPDATED 2017 rev1)

flooding or roadway overtopping for the 5 year, 25 year, and “sunny day” failure storm events except at Maine Avenue which floods by 0.11 feet at 25 year event, and 0.47 feet for “sunny day” event. During the 100 year storm: South Pond Dam has 1.65 feet freeboard, Lakeview Avenue overtops by less than one inch, Maine Avenue overtops by 1.22 feet, and Peninsula Boulevard overtops by 0.82 feet.

During the 50% PMF, 45% PMF, and 40% PMF (72 hour) events the roadways from the Southern State Parkway to Peninsula Boulevard overtop by 2.7 to 10.6 feet and the dams at the NW Pond, Hempstead Lake, and South Pond are overtopped as well. During the 39% PMF event the HL Dam would not overtop for the proposed conditions and would have 0.08 feet of freeboard. The difference in the downstream water surface elevations between the breach and non-breach conditions (39% PMF) is approximately 1.7 to 2.06 feet for the proposed conditions, which is significantly *better than existing conditions where the dam would overtop*.

Additional percentages of the PMF event (38% to 35%) were modeled for proposed conditions with little change in results except the amount of freeboard at the dam increased from 0.35 feet to 0.80 feet. **Therefore it is reasonable to state that Hempstead Lake Dam meets the current safety requirements for the 39% PMF storm event.**

Runoff Curve Numbers

Sub watershed	Curve #	Notes
RCB-1	80	Assumed
NE1-A	81	Residential, Type A and B Soil
NE1-B	81	Residential, Type A and B Soil
NE1-C	81	Residential, Type A and B Soil
NE1-D	81	Residential, Type A and B Soil
NE1-E	81	Residential, Type A and B Soil
NE1-F	81	Residential, Type A and B Soil
NE2	81	Residential, Type A and B Soil
NE3-A	81	Residential, Type A and B Soil
NE3-B	81	Residential, Type A and B Soil
NE3-C	81	Residential, Type A and B Soil
NE3-D	81	Residential, Type A and B Soil
NW1-A	61	Residential, wooded areas, Golf Course, school, and ponds
NW1-B	61	Residential, wooded areas, Golf Course, school, and ponds
NW2-A	81	Residential, Type A and B Soil
NW2-B	81	Residential, Type A and B Soil
NW2-C	81	Residential, Type A and B Soil
NE Pond	98	Pond surface area
NW Pond	98	Pond surface area
Hemp Lake	98	Lake surface area
H-1	60	40% EnA (66) Wooded, 30% PIB (45) Wooded, 10% PrD (49) Open, 20% UpB (77) 1/8 acre Res
SD1	78	50% UrA Residential (77), 30% RdA Residential (77), 10% Ug (89), 5% RdB (77), 5% UrB (77)
SD2	78	10% Ug Commercial (89), 10% UrB (77), 80% UrA (77)
SD3	77	30% UpB Residential (77), 70% UrA (77)
SD4	81	60% UrA (77), 30% Su Residential (85), 10% Ug Commercial (89)
SD5	77	UrA Residential
SD6	79	5% Water (98), 15% Su (85), 80% UrA (77)
SD7	78	85% UrA (77), 15% Us Residential Group B (85)
SD8	85	Us Residential, Soil Group B
SD9	77	UrA Residential
SD10	77	UpB Residential
SD11	77	20% UpB Residential (77), 80% UrA (77)
SD12	77	UpB Residential
SD13	98	Ug Southern State Parkway
SD14	98	Ug Southern State Parkway
SD15	98	Ug Southern State Parkway and Parking Area (98)
SD16	98	Ug Southern State Parkway
SD17	78	85% UrA (77), 15% Us Residential Group B (85)
SD18	78	85% UrA (77), 15% Us Residential Group B (85)
SD19	77	20% UpB Residential (77), 80% UrA (77)
SD20	61	50% UpB 1/8 (77) acre Res, 25% Su (45) Wooded, 25% PIB (45) Wooded
SD21	60	35% PIB (45) Wooded, 15% RdA (45) Wooded, 40% UrA (77) 1/8 acre Res, 10% Su (66) Wooded
Schodack	98	Schodack Pond Water Surface
South Pond	98	South Pond Water Surface
SO1	77	UrA residential
SO2	46	90% UdA Wooded (45), 10% Water (98)
PB1-A	91	85% Commerical (92), 15% Uh residential (85)
PB1-B	86	50% He Residential (85), 40% Uh Residential (85), 10%Ug Commercial (92)
PB1-C	79	30% He Golf Course (61), 30% Uh Residential (85), 20% Ug Commercial (92), 20% He Residential (85)
PB1-D	83	50% Uh Residential (85), 15% UrA Residential (77), 15% Ug Commecerial (92), 15% mixture (77)
PB - A	85	Um Residential
PB - B	85	Um Residential
PB - C	85	Um Residential
PB - D	85	Um Residential

Runoff Curve Numbers

Sub watershed	Curve #	Notes
PB - E	85	Um Residential
PB - F	85	Um Residential
PB - G	85	Um Residential
PB - H	85	Um Residential
PB - I	85	Um Residential
PB2	77	UrA Residential
PB3	77	UrA Residential
PB4	77	UrA and UrB Residential Group A
PB5	82	30% UrB Residential (77), 30% Um Commerical (92), 40% UrA Residential (77)
PB6	77	UrA Residential
PB7	77	UrA Residential
PB8	77	UrA Residential
PB9	77	UrA Residential
PB10	75	Ug and Um Residential (1/4 zoning) (75)
PB11	75	Um Residential (1/4 Zoning) 75
PB12	75	Um Residential (1/4 Zoning) 75
PB13	75	Um Residential (1/4 Zoning) 75
PB14	89	Uu Commercial
PB15	80	20% Commercial (92), 80% Residential
PB16	77	UrB Residential
PB17	77	UrA Residential
PB18	77	UrA Residential
PB19	77	50% At Residential (77), 50% Ue Residential (77)
PB20	77	UrB Residential (A)
PB21	77	80% UrA Residential (77), 20% RdA Residential (77)
PB22	78	80% UrA Residential (77), 10% Us Residential (85), 10% RdA Residential (77)
PB23-A	79	30% Us (85), 70% UrA (77)
PB23-B	79	20% Us (85), 80% UrA (77)
PB23-C	77	UrA Residential
PB24	77	UrA Residential
PB25	77	UrA Residential
PB26	77	UrA Residential
PB27	77	UrA Residential
PB28	77	30% Ma Residential (77), 70% UrA Residential (77)
PB29	77	UrA Residential
PB30	77	30% Ma Residential (77), 70% UrA Residential (77)
PB31	49	UrA Open (A)
PB32	77	20% Ma Residential (77), 80% UrA Residential (77)
PB33	67	Ma Open Area Group A/D (49,84)
PB34	77	UrA Residential (A)
PB35	92	Commerical Mixture Group B Soils
PB36	77	70% Ma Residential (77), 30% UrA Residential (77)
PB37	77	UrA Residential
PB38	77	UrA Residential
PB39	81	25% Water, 75% At (Residential 1/4 acre)
PB40	77	50% Ue, 50% UrA Residential
PB41	57	30% Ue, 30% Ma, 40% UrA open
PB42	25	Wooded Area - 50% UrA, 25% Ue, 25% UdE
Smith Pond	98	Smith Pond Water Surface
SM1-A	77	UrA Residential
SM1-B	77	UrA Residential
SM1-C	77	UrA Residential
SM2-A	77	UrA Residential
SM2-B	77	UrA Residential

Runoff Curve Numbers		
Sub watershed	Curve #	Notes
SM3	64	At and Ma Soil Group A/D (45+83)/2
SM4	57	45% Su (66), 15% Ma (61), 40% Ue (45) All areas wooded

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for

Nassau County, New York

July 1, 2014

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

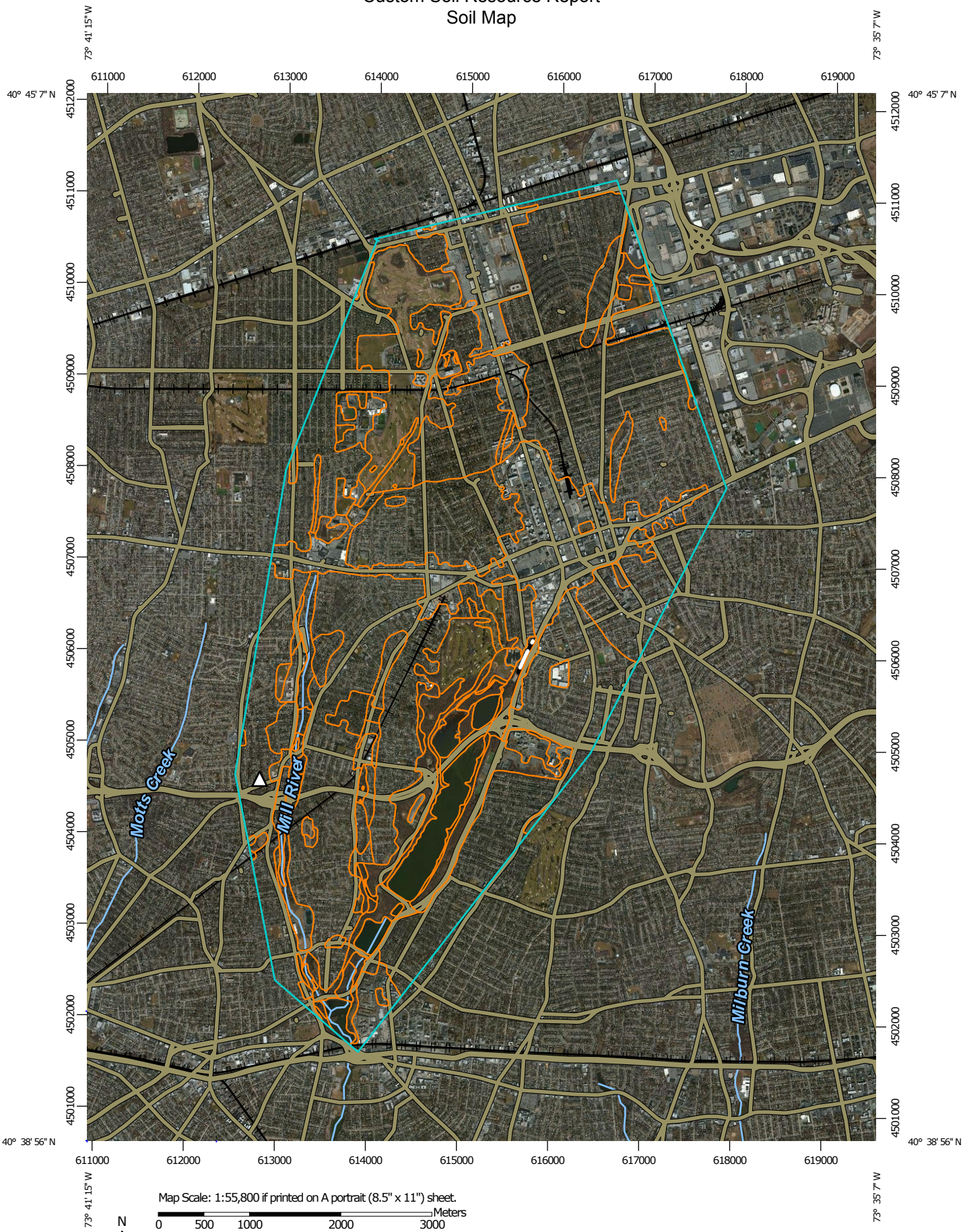
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Nassau County, New York
Survey Area Data: Version 10, Dec 15, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 26, 2011—Apr 16, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Nassau County, New York (NY059)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
At	Atsion loamy sand	35.0	0.4%
EnA	Enfield silt loam, 0 to 3 percent slopes	236.4	3.0%
He	Hempstead silt loam	450.0	5.8%
Ma	Manahawkin muck	28.3	0.4%
Pg	Pits, ground-water recharge	11.9	0.2%
PlB	Plymouth loamy sand, 3 to 8 percent slopes	167.8	2.1%
PrD	Plymouth-Riverhead complex, 15 to 35 percent slopes	48.3	0.6%
RdA	Riverhead sandy loam, 0 to 3 percent slopes	76.8	1.0%
RdB	Riverhead sandy loam, 3 to 8 percent slopes	34.1	0.4%
Su	Sudbury sandy loam	40.7	0.5%
UdA	Udipsamments, nearly level	102.4	1.3%
UdE	Udipsamments, steep	5.9	0.1%
Ue	Udipsamments, wet substratum	79.4	1.0%
Uf	Udorthents, refuse substratum	3.1	0.0%
Ug	Urban land	1,317.7	16.9%
Uh	Urban land-Hempstead complex	2,131.4	27.3%
Um	Urban land-Mineola complex	101.0	1.3%
UpB	Urban land-Plymouth complex, 3 to 8 percent slopes	27.2	0.3%
UrA	Urban land-Riverhead complex, 0 to 3 percent slopes	2,431.6	31.1%
UrB	Urban land-Riverhead complex, 3 to 8 percent slopes	210.7	2.7%
Us	Urban land-Sudbury complex	16.4	0.2%
Uu	Urban land-Udipsamments complex	9.1	0.1%
W	Water	245.4	3.1%
Totals for Area of Interest		**7,810.7**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly

indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Nassau County, New York

At—Atsion loamy sand

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Atsion and similar soils: 90 percent
Minor components: 10 percent

Description of Atsion

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy marine deposits

Typical profile

Oa - 0 to 2 inches: very strongly acid, highly decomposed plant material
H1 - 2 to 7 inches: very strongly acid, loamy sand
H2 - 7 to 36 inches: very strongly acid, loamy sand
H3 - 36 to 60 inches: very strongly acid, coarse sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 6.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: A/D

Minor Components

Sudbury

Percent of map unit: 5 percent

Berryland

Percent of map unit: 5 percent
Landform: Depressions

EnA—Enfield silt loam, 0 to 3 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Enfield and similar soils: 85 percent
Minor components: 15 percent

Description of Enfield

Setting

Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: A silty mantle over acid, sandy and gravelly glaciofluvial deposits

Typical profile

H1 - 0 to 10 inches: strongly acid, silt loam
H2 - 10 to 32 inches: strongly acid, silt loam
2BC - 32 to 36 inches: strongly acid, gravelly loamy sand
2C - 36 to 60 inches: strongly acid, very gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.9 inches)

Interpretive groups

Farmland classification: All areas are prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B

Minor Components

Riverhead

Percent of map unit: 10 percent

Scio

Percent of map unit: 5 percent

He—Hempstead silt loam

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Hempstead and similar soils: 80 percent
Minor components: 20 percent

Description of Hempstead

Setting

Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: A silty mantle over highly siliceous stratified sandy and gravelly glaciofluvial deposits

Typical profile

H1 - 0 to 11 inches: strongly acid, silt loam
H2 - 11 to 29 inches: strongly acid, silt loam
H3 - 29 to 33 inches: strongly acid, very gravelly loamy sand
H4 - 33 to 60 inches: very strongly acid, stratified very gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.7 inches)

Interpretive groups

Farmland classification: All areas are prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B

Minor Components

Enfield

Percent of map unit: 10 percent

Mineola
Percent of map unit: 5 percent

Udipsamments
Percent of map unit: 5 percent

Ma—Manahawkin muck

Map Unit Setting
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Manahawkin and similar soils: 80 percent
Minor components: 20 percent

Description of Manahawkin

Setting
Landform: Marshes, swamps
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Organic material over sandy marine deposits

Typical profile
H1 - 0 to 36 inches: , muck
H2 - 36 to 60 inches: , sand

Properties and qualities
Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High to very high (1.98 to 19.98 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: Frequent
Frequency of ponding: Frequent
Available water storage in profile: Very high (about 13.3 inches)

Interpretive groups
Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7w
Hydrologic Soil Group: A/D

Minor Components

Berryland

Percent of map unit: 10 percent
Landform: Depressions

Freetown

Percent of map unit: 10 percent
Landform: Bogs

Pg—Pits, ground-water recharge

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Pits, ground-water recharge: 100 percent

PlB—Plymouth loamy sand, 3 to 8 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Plymouth and similar soils: 85 percent
Minor components: 15 percent

Description of Plymouth

Setting

Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid sandy glaciofluvial or deltaic deposits

Typical profile

Oi - 0 to 2 inches: very strongly acid, slightly decomposed plant material
H1 - 2 to 7 inches: very strongly acid, loamy sand
H2 - 7 to 28 inches: very strongly acid, loamy sand
H3 - 28 to 60 inches: very strongly acid, gravelly coarse sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 3.0 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A

Minor Components

Riverhead

Percent of map unit: 10 percent

Plymouth, strongly sloping

Percent of map unit: 5 percent

PrD—Plymouth-Riverhead complex, 15 to 35 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Plymouth and similar soils: 50 percent
Riverhead and similar soils: 40 percent
Minor components: 10 percent

Description of Plymouth

Setting

Landform: Moraines, outwash plains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid sandy glaciofluvial or deltaic deposits

Typical profile

Oi - 0 to 2 inches: very strongly acid, slightly decomposed plant material
H1 - 2 to 7 inches: very strongly acid, loamy sand
H2 - 7 to 28 inches: very strongly acid, loamy sand

H3 - 28 to 60 inches: very strongly acid, gravelly coarse sand

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 3.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Description of Riverhead

Setting

Landform: Outwash plains, moraines
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

Oi - 0 to 1 inches: very strongly acid, slightly decomposed plant material
H1 - 1 to 4 inches: very strongly acid, sandy loam
H2 - 4 to 25 inches: very strongly acid, sandy loam
H3 - 25 to 36 inches: strongly acid, loamy sand
H4 - 36 to 60 inches: moderately acid, stratified gravelly sand

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A

Minor Components

Montauk

Percent of map unit: 5 percent

Sudbury
Percent of map unit: 3 percent

Unnamed soils, very stony
Percent of map unit: 2 percent

RdA—Riverhead sandy loam, 0 to 3 percent slopes

Map Unit Setting
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Riverhead and similar soils: 90 percent
Minor components: 10 percent

Description of Riverhead

Setting
Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile
Oi - 0 to 1 inches: very strongly acid, slightly decomposed plant material
H1 - 1 to 4 inches: very strongly acid, sandy loam
H2 - 4 to 25 inches: very strongly acid, sandy loam
H3 - 25 to 36 inches: strongly acid, loamy sand
H4 - 36 to 60 inches: moderately acid, stratified gravelly sand

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups
Farmland classification: All areas are prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A

Minor Components

Montauk
Percent of map unit: 5 percent

Plymouth
Percent of map unit: 5 percent

RdB—Riverhead sandy loam, 3 to 8 percent slopes

Map Unit Setting
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Riverhead and similar soils: 90 percent
Minor components: 10 percent

Description of Riverhead

Setting
Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile
Oi - 0 to 1 inches: very strongly acid, slightly decomposed plant material
H1 - 1 to 4 inches: very strongly acid, sandy loam
H2 - 4 to 25 inches: very strongly acid, sandy loam
H3 - 25 to 36 inches: strongly acid, loamy sand
H4 - 36 to 60 inches: moderately acid, stratified gravelly sand

Properties and qualities
Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups
Farmland classification: All areas are prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Minor Components

Montauk
Percent of map unit: 5 percent

Plymouth
Percent of map unit: 5 percent

Su—Sudbury sandy loam

Map Unit Setting
Elevation: 0 to 2,100 feet
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Sudbury and similar soils: 80 percent
Minor components: 20 percent

Description of Sudbury

Setting
Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Sandy and gravelly glaciofluvial deposits derived mainly from crystalline rock

Typical profile
H1 - 0 to 5 inches: very strongly acid, sandy loam
H2 - 5 to 18 inches: very strongly acid, sandy loam
H3 - 18 to 28 inches: very strongly acid, gravelly loamy sand
H4 - 28 to 60 inches: very strongly acid, stratified very gravelly sand

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.7 inches)

Interpretive groups
Farmland classification: All areas are prime farmland
Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B

Minor Components

Walpole
Percent of map unit: 5 percent
Landform: Depressions

Unnamed soils
Percent of map unit: 5 percent

Atsion
Percent of map unit: 5 percent
Landform: Depressions

Plymouth
Percent of map unit: 5 percent

UdA—Udipsamments, nearly level

Map Unit Setting
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Udipsamments, nearly level, and similar soils: 90 percent
Minor components: 10 percent

Description of Udipsamments, Nearly Level

Typical profile
H1 - 0 to 72 inches: very strongly acid, coarse sand

Properties and qualities
Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.6 inches)

Interpretive groups
Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Minor Components

Montauk
Percent of map unit: 2 percent

Hempstead
Percent of map unit: 2 percent

Sudbury
Percent of map unit: 2 percent

Riverhead
Percent of map unit: 2 percent

Plymouth
Percent of map unit: 2 percent

UdE—Udipsamments, steep

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Udipsamments, steep, and similar soils: 95 percent
Minor components: 5 percent

Description of Udipsamments, Steep

Typical profile
H1 - 0 to 72 inches: very strongly acid, coarse sand

Properties and qualities
Slope: 25 to 50 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.6 inches)

Interpretive groups
Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Minor Components

Unnamed soils

Percent of map unit: 5 percent

Ue—Udipsamments, wet substratum

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Udipsamments, wet substratum, and similar soils: 90 percent
Minor components: 10 percent

Description of Udipsamments, Wet Substratum

Typical profile

H1 - 0 to 72 inches: very strongly acid, coarse sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.6 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A

Minor Components

Unnamed soils

Percent of map unit: 10 percent

Uf—Udorthents, refuse substratum

Map Unit Setting

Elevation: 100 to 1,600 feet
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Udorthents, refuse substratum, and similar soils: 100 percent

Description of Udorthents, Refuse Substratum

Properties and qualities

Slope: 0 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Depth to water table: About 36 to 72 inches
Frequency of flooding: None
Frequency of ponding: None

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Ug—Urban land

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 90 percent
Minor components: 10 percent

Minor Components

Hempstead

Percent of map unit: 2 percent

Riverhead

Percent of map unit: 2 percent

Enfield
Percent of map unit: 2 percent

Udipsamments
Percent of map unit: 2 percent

Udorthents
Percent of map unit: 2 percent

Uh—Urban land-Hempstead complex

Map Unit Setting
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition
Urban land: 75 percent
Hempstead and similar soils: 20 percent
Minor components: 5 percent

Description of Hempstead

Setting
Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: A silty mantle over highly siliceous stratified sandy and gravelly glaciofluvial deposits

Typical profile
H1 - 0 to 11 inches: strongly acid, silt loam
H2 - 11 to 29 inches: strongly acid, silt loam
H3 - 29 to 33 inches: strongly acid, very gravelly loamy sand
H4 - 33 to 60 inches: very strongly acid, stratified very gravelly sand

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.7 inches)

Minor Components

Enfield
Percent of map unit: 3 percent

Mineola

Percent of map unit: 2 percent

Um—Urban land-Mineola complex

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 75 percent
Mineola and similar soils: 20 percent
Minor components: 5 percent

Description of Mineola

Setting

Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: A thin mantle of loamy glaciofluvial deposits over stratified sand and gravel glaciofluvial deposits

Typical profile

H1 - 0 to 11 inches: strongly acid, sandy loam
H2 - 11 to 18 inches: strongly acid, very gravelly loamy sand
H3 - 18 to 60 inches: strongly acid, stratified very gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: About 24 to 48 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.4 inches)

Minor Components

Hempstead

Percent of map unit: 3 percent

Udipsamments

Percent of map unit: 2 percent

UpB—Urban land-Plymouth complex, 3 to 8 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 65 percent
Plymouth and similar soils: 20 percent
Minor components: 15 percent

Description of Plymouth

Setting

Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid sandy glaciofluvial or deltaic deposits

Typical profile

Oi - 0 to 2 inches: very strongly acid, slightly decomposed plant material
H1 - 2 to 7 inches: very strongly acid, loamy sand
H2 - 7 to 28 inches: very strongly acid, loamy sand
H3 - 28 to 60 inches: very strongly acid, gravelly coarse sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 3.0 inches)

Minor Components

Sudbury

Percent of map unit: 5 percent

Riverhead

Percent of map unit: 5 percent

Udipsamments

Percent of map unit: 5 percent

UrA—Urban land-Riverhead complex, 0 to 3 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 65 percent
Riverhead and similar soils: 20 percent
Minor components: 15 percent

Description of Riverhead

Setting

Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

Oi - 0 to 1 inches: very strongly acid, slightly decomposed plant material
H1 - 1 to 4 inches: very strongly acid, sandy loam
H2 - 4 to 25 inches: very strongly acid, sandy loam
H3 - 25 to 36 inches: strongly acid, loamy sand
H4 - 36 to 60 inches: moderately acid, stratified gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Minor Components

Enfield

Percent of map unit: 10 percent

Plymouth

Percent of map unit: 3 percent

Udipsamments

Percent of map unit: 2 percent

UrB—Urban land-Riverhead complex, 3 to 8 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 60 percent
Riverhead and similar soils: 25 percent
Minor components: 15 percent

Description of Riverhead

Setting

Landform: Moraines, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

Oi - 0 to 1 inches: very strongly acid, slightly decomposed plant material
H1 - 1 to 4 inches: very strongly acid, sandy loam
H2 - 4 to 25 inches: very strongly acid, sandy loam
H3 - 25 to 36 inches: strongly acid, loamy sand
H4 - 36 to 60 inches: moderately acid, stratified gravelly sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Minor Components

Montauk

Percent of map unit: 5 percent

Enfield

Percent of map unit: 5 percent

Plymouth

Percent of map unit: 3 percent

Udipsamments

Percent of map unit: 2 percent

Us—Urban land-Sudbury complex

Map Unit Setting

Elevation: 0 to 2,100 feet
Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 70 percent
Sudbury and similar soils: 20 percent
Minor components: 10 percent

Description of Sudbury

Setting

Landform: Outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Sandy and gravelly glaciofluvial deposits derived mainly from crystalline rock

Typical profile

H1 - 0 to 5 inches: very strongly acid, sandy loam
H2 - 5 to 18 inches: very strongly acid, sandy loam
H3 - 18 to 28 inches: very strongly acid, gravelly loamy sand
H4 - 28 to 60 inches: very strongly acid, stratified very gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.7 inches)

Minor Components

Udipsamments

Percent of map unit: 5 percent

Riverhead

Percent of map unit: 5 percent

Uu—Urban land-Udipsamments complex

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Urban land: 70 percent
Udipsamments and similar soils: 25 percent
Minor components: 5 percent

Description of Udipsamments

Typical profile

H1 - 0 to 72 inches: very strongly acid, coarse sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.6 inches)

Minor Components

Riverhead

Percent of map unit: 3 percent

Sudbury

Percent of map unit: 2 percent

W—Water

Map Unit Setting

Mean annual precipitation: 42 to 46 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 190 to 230 days

Map Unit Composition

Water: 100 percent

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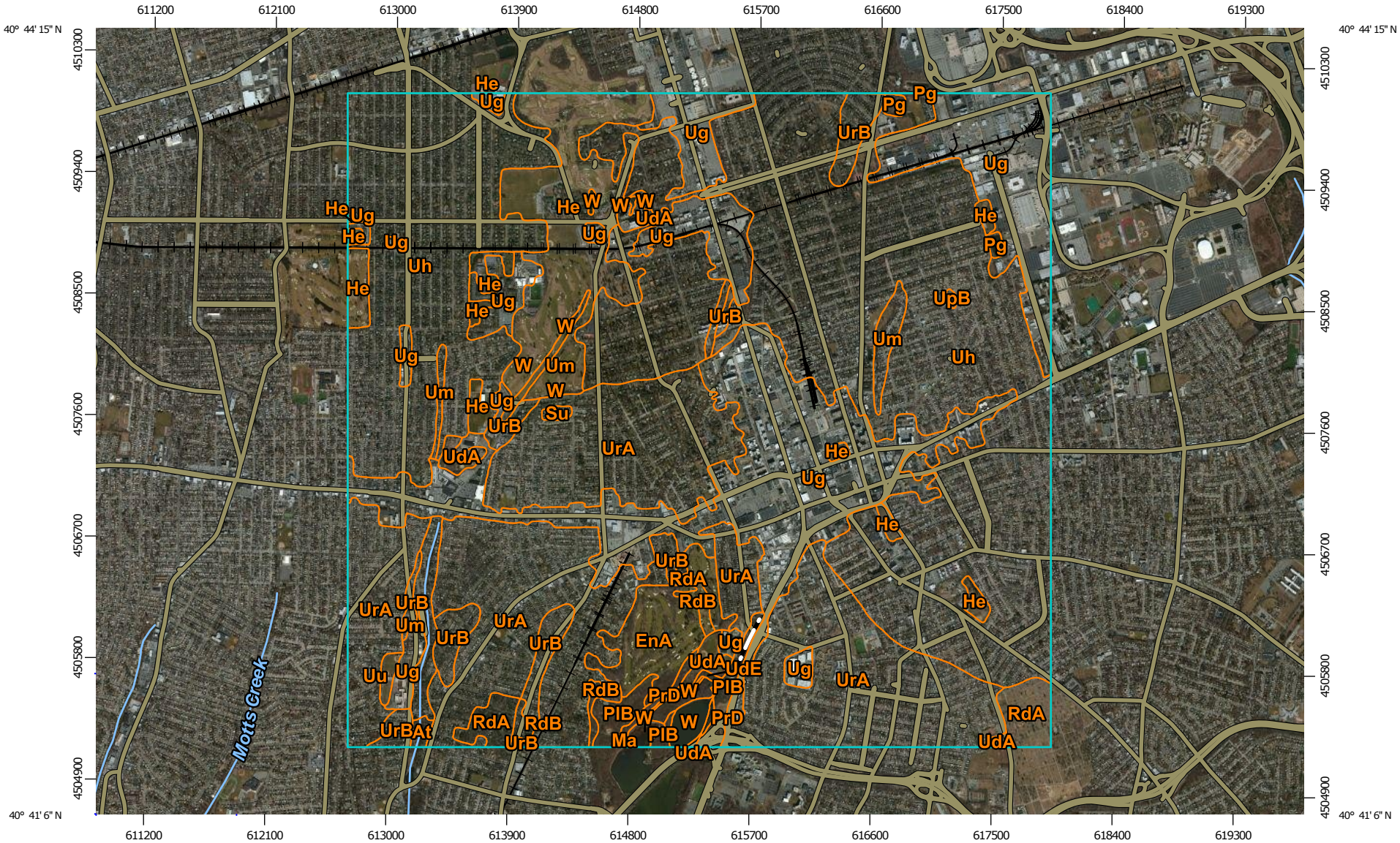
Soil Map—Nassau County, New York
(North Soils Legend)



Map Scale: 1:41,000 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 500 1000 2000 3000

Feet: 0 1500 3000 6000 9000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Nassau County, New York
Survey Area Data: Version 10, Dec 15, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 26, 2011—Apr 16, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Nassau County, New York (NY059)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
At	Atsion loamy sand	19.9	0.3%
EnA	Enfield silt loam, 0 to 3 percent slopes	105.7	1.7%
He	Hempstead silt loam	426.8	6.8%
Ma	Manahawkin muck	1.1	0.0%
Pg	Pits, ground-water recharge	10.5	0.2%
PlB	Plymouth loamy sand, 3 to 8 percent slopes	59.5	0.9%
PrD	Plymouth-Riverhead complex, 15 to 35 percent slopes	12.9	0.2%
RdA	Riverhead sandy loam, 0 to 3 percent slopes	94.3	1.5%
RdB	Riverhead sandy loam, 3 to 8 percent slopes	30.4	0.5%
Su	Sudbury sandy loam	4.9	0.1%
UdA	Udipsamments, nearly level	49.4	0.8%
UdE	Udipsamments, steep	2.3	0.0%
Ug	Urban land	1,205.1	19.2%
Uh	Urban land-Hempstead complex	2,521.7	40.1%
Um	Urban land-Mineola complex	101.0	1.6%
UpB	Urban land-Plymouth complex, 3 to 8 percent slopes	1.6	0.0%
UrA	Urban land-Riverhead complex, 0 to 3 percent slopes	1,444.4	23.0%
UrB	Urban land-Riverhead complex, 3 to 8 percent slopes	143.5	2.3%
Uu	Urban land-Udipsamments complex	9.1	0.1%
W	Water	36.6	0.6%
Totals for Area of Interest		**6,280.8**	**100.0%**

Soil Map—Nassau County, New York
(South Soils legend)

Map Scale: 1:25,100 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 350 700 1400 2100

Feet: 0 1000 2000 4000 6000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Nassau County, New York
Survey Area Data: Version 10, Dec 15, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 26, 2011—Apr 16, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Nassau County, New York (NY059)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
At	Atsion loamy sand	16.9	0.6%
EnA	Enfield silt loam, 0 to 3 percent slopes	164.2	5.7%
Ma	Manahawkin muck	28.0	1.0%
PlB	Plymouth loamy sand, 3 to 8 percent slopes	115.5	4.0%
PrD	Plymouth-Riverhead complex, 15 to 35 percent slopes	36.0	1.3%
RdA	Riverhead sandy loam, 0 to 3 percent slopes	41.8	1.5%
RdB	Riverhead sandy loam, 3 to 8 percent slopes	4.2	0.1%
Su	Sudbury sandy loam	38.3	1.3%
UdA	Udipsamments, nearly level	61.2	2.1%
UdE	Udipsamments, steep	3.6	0.1%
Ue	Udipsamments, wet substratum	79.4	2.8%
Uf	Udorthents, refuse substratum	3.1	0.1%
Ug	Urban land	283.7	9.9%
UpB	Urban land-Plymouth complex, 3 to 8 percent slopes	25.6	0.9%
UrA	Urban land-Riverhead complex, 0 to 3 percent slopes	1,674.1	58.3%
UrB	Urban land-Riverhead complex, 3 to 8 percent slopes	63.7	2.2%
Us	Urban land-Sudbury complex	16.4	0.6%
W	Water	214.6	7.5%
Totals for Area of Interest		**2,870.1**	**100.0%**

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1 (NE 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	7'X5'	7'X5'	7'X5'		
Segment ID	A-B	B-C	C-D	D-E	
15. Channel Bottom width ..... ft^2	BC	BC	BC	OC	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	1700	1150	150	1000	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.157 +	0.106 +	0.014 +	0.092	= 0.369
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					0.369

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1 (NE 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

			10.5'X4'	12'X5'	
Segment ID	E-F	F-G	G-H	H-I	
15. Channel Bottom width ..... ft^2	OC	OC	BC	BC	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	500	650	1400	750	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.046 +	0.060 +	0.130 +	0.069 =	0.305
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1 (NE 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	12'X6'	12'X6'	12'X5'		
Segment ID	I-J	J-K	G-H		
15. Channel Bottom width ..... ft^2	BC	BC	BC		
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3		
24. Flow Length, L ..... ft	800	1900	2150		
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.074 +	0.176 +	0.199 +		= 0.449
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					1.123

$T_{LAG} = (0.6)T_c = (0.6)\ \underline{67.4} = 40.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1A - (NE 1A)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
				INTO NE1 POINT C
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		2070				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.244	+		=	0.244

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3		3		3				
24. Flow Length, L ft		2450								
25. $T_t = \frac{L}{3600\ V}$ hr		0.227	+		+		+		=	0.227
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.944

$T_{LAG} = (0.6)T_c = (0.6)\ 56.6 = 34.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1B - (NE 1B)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	INTO NE1 POINT B
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	810		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.095	+	= 0.095

Channel flow

Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	1270				
25. $T_t = \frac{L}{3600\ V}$ hr	0.118	+	+	+	= 0.118
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.686

$T_{LAG} = (0.6)T_c = (0.6)\ 41.2 = 24.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1C - (NE 1C)	

Sheet flow (Applicable to Tc only)

INTO NE1 POINT E

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	50		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.006	+	= 0.006

Channel flow

Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	3690				
25. $T_t = \frac{L}{3600\ V}$ hr	0.342	+	+	+	= 0.342
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.821

$T_{LAG} = (0.6)T_c = (0.6)\ 49.3 = 29.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1D - (NE 1D)	

Sheet flow (Applicable to Tc only)

INTO NE1 POINT I

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	230		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.027	+	= 0.027

Channel flow

	Segment ID	C-D								
15. Channel Bottom width	ft^2	Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d	ft									
18. Cross sectional flow area, A (assume trapazoidal)	ft									
19. Wetted perimeter, p_w	ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft									
21. Channel slope, s	ft/ft									
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3								
24. Flow Length, L	ft	5990								
25. $T_t = \frac{L}{3600\ V}$	hr	0.555	+		+		+		=	0.555
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr									1.055

$T_{LAG} = (0.6)T_c = (0.6)\ 63.3 = 38.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1E - (NE 1E)	

Sheet flow (Applicable to Tc only)

INTO NE1 POINT K

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2		
11. Flow length, L ft		220		
12. Watercourse slope, s ft/ft		0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36		
14. $T_t = \frac{L}{3600 * V}$		0.026	+	= 0.026

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		1370								
25. $T_t = \frac{L}{3600\ V}$ hr		0.127	+		+		+		=	0.127
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.626

$T_{LAG} = (0.6)T_c = (0.6)\ 37.6 = 22.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 1F - (NE 1F)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
				INTO NE1 POINT I
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		220				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.026	+		=	0.026

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		3560								
25. $T_t = \frac{L}{3600\ V}$ hr		0.330	+		+		+		=	0.330
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.829

$T_{LAG} = (0.6)T_c = (0.6)\ 49.7 = 29.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 2 - (NE 2)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID			
7. Surface description			
8. Manning's roughness coeff., n			
9. Paved or unpaved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft			
11. Flow length, L ft			
12. Watercourse slope, s ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	= 0.000

Channel flow

	15" d	18" d	24" d	30" d	
Segment ID	B-C	C-D	D-E	E-F	
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3	
24. Flow Length, L ft	900	450	850	350	
25. $T_t = \frac{L}{3600\ V}$ hr	0.083 +	0.042 +	0.079 +	0.032 =	0.236
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 2 - (NE 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	30"	36"	36"	36"	
Segment ID	F-G	G-H	H-I	I-J	
15. Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	875	650	1550	550	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.081 +	0.060 +	0.144 +	0.051 =	0.336
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					1.045

$T_{LAG} = (0.6)T_c = (0.6)\ 62.7 = 37.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 09/19/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3 (NE 3)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Pave		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	400		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.047	+	= 0.047

Channel flow

	24"/36" d	42"/48" d	54" d	60" d
Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21. Channel slope, s ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24. Flow Length, L ft	3200	2500	2150	1450
25. $T_t = \frac{L}{3600\ V}$ hr	0.297 +	0.231 +	0.199 +	0.134 = 0.861

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project	By	Date
Hempstead Lake State Park	CP	9/19/13
Location	**Checked**	**Date**
North of Northeast Pond		

Check one: ■ Present ☐ Developed

Check one: ■ T_c ☐ T_t through subarea

Watershed: Mill Creek/Horse Brook

Subwatershed: Northeast 3 (NE 3)

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	6'X5' H	8'X5' H	8'X5' H	9'X5" H	
Segment ID	G-H	H-I	I-J	J-K	
15. Channel Bottom width ..... ft^2	BC	BC	BC	BC	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	1250	900	650	950	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.116 +	0.083 +	0.060 +	0.088 =	0.347
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 9/19/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3 (NE 3)	

Sheet flow (Applicable to Tc only)

Segment ID	
1. Surface description (table 3-1)	
2. Manning's roughness coefficient, n (table 3-1)	
3. Flow length, L (total L < 300 ft) ..... ft	
4. Two-year 24-hour rainfall, P_2 ..... in	
5. Land slope, s ..... ft/ft	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	=

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID			
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$	+		=

Channel flow

Segment ID	9'X5' H K-L	9'X5' H L-M	14'X5' H M-N		
15. Channel Bottom width ..... ft^2	BC	BC	BC		
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3		
24. Flow Length, L ..... ft	500	550	1500		
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.046 +	0.051 +	0.139 +		= 0.236
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					1.964

$T_{LAG} = (0.6)T_c = (0.6)\ 117.8 = 70.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/25/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3A - (NE 3A)	

USE TRUNK LINE CALCS TO NE3-C

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		400	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.047 +	= 0.047

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.520

$T_{LAG} = (0.6)T_c = (0.6)\ 31.2 = 18.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/25/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3B - (NE 3B)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT H

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		230	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.027 +	= 0.027

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		2360								
25. $T_t = \frac{L}{3600\ V}$ hr		0.219	+		+		+		=	0.219
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.719

$T_{LAG} = (0.6)T_c = (0.6)\ 43.1 = 25.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/25/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3C - (NE 3C)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT J

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		250	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.029 +	= 0.029

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		5350								
25. $T_t = \frac{L}{3600\ V}$ hr		0.495	+		+		+		=	0.495
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.997

$T_{LAG} = (0.6)T_c = (0.6)\ 59.8 = 35.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 11/22/13
Location: North of Northeast Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northeast 3D - (NE 3D)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT N

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description			
8. Manning's roughness coeff., n			
9. Paved or unpaved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft			
11. Flow length, L ft			
12. Watercourse slope, s ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID	B-C				
15. Channel Bottom width ft^2		Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft						
21. Channel slope, s ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3				
24. Flow Length, L ft		5010				
25. $T_t = \frac{L}{3600\ V}$ hr		0.464	+	+	+	= 0.464
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr						0.937

$T_{LAG} = (0.6)T_c = (0.6)\ 56.2 = 33.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/24/14
Location: West of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 1A - (NW 1A)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C	C-D	D-E
7. Surface description	Imprv	Grass	Wooded
8. Manning's roughness coeff., n	0.015	0.05	0.15
9. Paved or unpaved	Paved	Unpav	Unpav
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	0.40	0.40
11. Flow length, L ft	520	530	560
12. Watercourse slope, s ft/ft	0.005	0.005	0.005
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	1.13	0.38
14. $T_t = \frac{L}{3600 * V}$	0.061 +	0.430 +	0.409 = 0.900

Channel flow

Segment ID				
15. Channel Bottom width ft^2				
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21. Channel slope, s ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s				
24. Flow Length, L ft				
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	= 0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				1.373

$T_{LAG} = (0.6)T_c = (0.6)\ 82.4 = 49.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/24/14
Location: West of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 1B - (NW 1B)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	C-D	D-E
7.	Surface description	Imprv	Grass	Wooded
8.	Manning's roughness coeff., n	0.015	0.05	0.15
9.	Paved or unpaved	Paved	Unpav	Unpav
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	0.40	0.40
11.	Flow length, L ft	560	530	820
12.	Watercourse slope, s ft/ft	0.005	0.005	0.005
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	1.13	0.38
14.	$T_t = \frac{L}{3600 * V}$	0.066 +	0.130 +	0.599 = 0.795

Channel flow

	Segment ID				
15.	Channel Bottom width ft^2				
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21.	Channel slope, s ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s				
24.	Flow Length, L ft				
25.	$T_t = \frac{L}{3600\ V}$ hr	+	+	+	= 0.000
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				1.268

$T_{LAG} = (0.6)T_c = (0.6)\ 76.1 = 45.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 9/20/13
Location: North of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 2 - (NW 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7.	Surface description	Imprv	
8.	Manning's roughness coeff., n	0.015	
9.	Paved or unpaved	Paved	
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	
11.	Flow length, L ft	1900	
12.	Watercourse slope, s ft/ft	0.005	
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	
14.	$T_t = \frac{L}{3600 * V}$	0.224 +	= 0.224

Channel flow

		18"/24" d	36" d	48" d	60" d
	Segment ID	C-D	D-E	E-F	F-G
15.	Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21.	Channel slope, s ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24.	Flow Length, L ft	1500	750	870	750
25.	$T_t = \frac{L}{3600\ V}$ hr	0.139 +	0.069 +	0.081 +	0.069 = 0.358
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 9/20/13
Location: North of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 2 - (NW 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	66" d	78"	8'X5' H	96" d
Segment ID	G-H	H-I	I-J	J-K
15. Channel Bottom width ..... ft^2	Pipe	Pipe	BC	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d .....ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ..... ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft				
21. Channel slope, s ..... ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3
24. Flow Length, L ..... ft	1550	1120	1700	2450
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.144 +	0.104 +	0.157 +	0.227 = 0.632
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr				1.687

$T_{LAG} = (0.6)T_c = (0.6)\ 101.2 = 60.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/18/13
Location: North of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 2A - (NW 2A)	

USE TRUNK LINE CALCS TO NW2 POINT C

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473

= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		1900	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.224	+

= 0.224

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr		+	+	+	

= 0.000

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr 0.697

$T_{LAG} = (0.6)T_c = (0.6)\ 41.8 = 25.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/18/13
Location: North of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 2B - (NW 2B)	

Sheet flow (Applicable to Tc only)

ENTERS TRUNK LINE AT NW2 POINT H

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	315		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.037	+	= 0.037

Channel flow

	Segment ID	C-D Pipe								
15.	Channel Bottom width ft^2									
16.	Horizontal side slope component, z (z horiz: 1 vert)									
17.	Depth of flow, d ft									
18.	Cross sectional flow area, A (assume trapazoidal) ft									
19.	Wetted perimeter, p_w ft									
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft									
21.	Channel slope, s ft/ft									
22.	Manning's roughness coefficient, n									
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3								
24.	Flow Length, L ft	2940								
25.	$T_t = \frac{L}{3600\ V}$ hr	0.272	+		+		+		=	0.272
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr									0.782

$T_{LAG} = (0.6)T_c = (0.6)\ 46.9 = 28.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/18/13
Location: North of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Northwest 2C - (NW 2C)	

Sheet flow (Applicable to Tc only)

ENTERS TRUNK LINE AT NW2 POINT I

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	140		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.016	+	= 0.016

Channel flow

Segment ID	C-D Pipe				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	1650				
25. $T_t = \frac{L}{3600\ V}$ hr	0.153	+	+	+	= 0.153
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.642

$T_{LAG} = (0.6)T_c = (0.6)\ 38.5 = 23.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: West of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 1 - (SD 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	120		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.014	+	= 0.014

Channel flow

		18" d		42" d				
	Segment ID	C-D		D-E				
15.	Channel Bottom width ft^2	Pipe		Pipe				
16.	Horizontal side slope component, z (z horiz: 1 vert)							
17.	Depth of flow, d ft							
18.	Cross sectional flow area, A (assume trapazoidal) ft							
19.	Wetted perimeter, p_w ft							
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft							
21.	Channel slope, s ft/ft							
22.	Manning's roughness coefficient, n							
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3				
24.	Flow Length, L ft	850		2000				
25.	$T_t = \frac{L}{3600\ V}$ hr	0.079	+	0.185	+		+	= 0.264
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr							0.751

$T_{LAG} = (0.6)T_c = (0.6)\ 45.1 = 27.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: West of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 2 - (SD 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ..... ft	100
4.	Two-year 24-hour rainfall, P_2 ..... in	3.5
5.	Land slope, s ..... ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description.....	Imprv		
8.	Manning's roughness coeff., n.....	0.015		
9.	Paved or unpaved.....	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2		
11.	Flow length, L .....ft	700		
12.	Watercourse slope, s ..... ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.082	+	= 0.082

Channel flow

		24" d	30" d	36" d	42"
	Segment ID	C-D	D-E	E-F	F-G
15.	Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d .....ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ..... ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft				
21.	Channel slope, s ..... ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3
24.	Flow Length, L ..... ft	940	890	180	300
25.	$T_t = \frac{L}{3600\ V}$ ..... hr	0.087 +	0.082 +	0.017 +	0.028 = 0.214
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr				0.769

$T_{LAG} = (0.6)T_c = (0.6)\ 46.1 = 27.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/15/13
Location: West of Northwest Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 3 - (SD 3)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C			
7.	Surface description	Imprv			
8.	Manning's roughness coeff., n	0.015			
9.	Paved or unpaved	Paved			
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2			
11.	Flow length, L ft	240			
12.	Watercourse slope, s ft/ft	0.005			
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36			
14.	$T_t = \frac{L}{3600 * V}$	0.028	+		= 0.028

Channel flow

		18" d		24" d					
	Segment ID	C-D		D-E					
15.	Channel Bottom width ft^2	Pipe		Pipe					
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft								
21.	Channel slope, s ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3					
24.	Flow Length, L ft	450		930					
25.	$T_t = \frac{L}{3600\ V}$ hr	0.042	+	0.086	+		+		= 0.128
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr								0.629

$T_{LAG} = (0.6)T_c = (0.6)\ 37.7 = 22.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: North of SSP, W of SD 3	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 4 - (SD 4)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		530	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.062 +	= 0.062

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.535

$T_{LAG} = (0.6)T_c = (0.6)\ 32.1 = 19.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: South of SSP, W of Schodack Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 5 - (SD 5)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ..... ft	100	
4. Two-year 24-hour rainfall, P_2 ..... in	3.5	
5. Land slope, s ..... ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C			
7. Surface description.....	Imprv			
8. Manning's roughness coeff., n.....	0.015			
9. Paved or unpaved.....	Paved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2			
11. Flow length, L .....ft	1550			
12. Watercourse slope, s ..... ft/ft	0.005			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36			
14. $T_t = \frac{L}{3600 * V}$	0.182	+		= 0.182

Channel flow

	18" d		18" d						
Segment ID	C-D		D-E						
15. Channel Bottom width ..... ft^2	Pipe		Pipe						
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d .....ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ..... ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft									
21. Channel slope, s ..... ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3		3						
24. Flow Length, L ..... ft	330		450						
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.031	+	0.042	+		+		=	0.073
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr									0.728

$T_{LAG} = (0.6)T_c = (0.6)\ 43.7 = 26.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: South of SSP, W of Schodack Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 6 - (SD 6)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		1020	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.120 +	= 0.120

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.593

$T_{LAG} = (0.6)T_c = (0.6)\ 35.6 = 21.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: South of SSP, W of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 7 - (SD 7)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ..... ft		100
4. Two-year 24-hour rainfall, P_2 ..... in		3.5
5. Land slope, s ..... ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description.....		Imprv	
8. Manning's roughness coeff., n.....		0.015	
9. Paved or unpaved.....		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft		0.2	
11. Flow length, L .....ft		1470	
12. Watercourse slope, s ..... ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.173 +	= 0.173

Channel flow

	Segment ID								
15. Channel Bottom width ..... ft^2									
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d .....ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ..... ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft									
21. Channel slope, s ..... ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s									
24. Flow Length, L ..... ft									
25. $T_t = \frac{L}{3600\ V}$ ..... hr		+		+		+		=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr									0.646

$T_{LAG} = (0.6)T_c = (0.6)\ 38.8 = 23.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: New Court, South of SSP	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 8 - (SD 8)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		450	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.053 +	= 0.053

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.526

$T_{LAG} = (0.6)T_c = (0.6)\ 31.6 = 19.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: South of SSP, W of Schodack Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 9 - (SD 9)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ..... ft		100		
4. Two-year 24-hour rainfall, P_2 ..... in		3.5		
5. Land slope, s ..... ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description.....		Imprv				
8. Manning's roughness coeff., n.....		0.015				
9. Paved or unpaved.....		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft		0.2				
11. Flow length, L .....ft		1620				
12. Watercourse slope, s ..... ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.191	+		=	0.191

Channel flow

		18" d		30" d						
	Segment ID	C-D		D-E						
15. Channel Bottom width ..... ft^2		Pipe		Pipe						
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d .....ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ..... ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft										
21. Channel slope, s ..... ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s		3		3						
24. Flow Length, L ..... ft		700		850						
25. $T_t = \frac{L}{3600\ V}$ ..... hr		0.065	+	0.079	+		+		=	0.144
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr										0.808

$T_{LAG} = (0.6)T_c = (0.6)\ 48.5 = 29.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: South of SSP, E of Schodack Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 10 - (SD 10)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		970	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.114 +	= 0.114

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.587

$T_{LAG} = (0.6)T_c = (0.6)\ 35.2 = 21.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: South of SSP, E of Schodack Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 11 - (SD 11)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		1760				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.207	+		=	0.207

Channel flow

		24" d		30" d		30" d				
	Segment ID	C-D		D-E		E-F				
15. Channel Bottom width ft^2		Pipe		Pipe		Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3		3		3				
24. Flow Length, L ft		700		650		400				
25. $T_t = \frac{L}{3600\ V}$ hr		0.065	+	0.060	+	0.037	+		=	0.162
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.842

$T_{LAG} = (0.6)T_c = (0.6)\ 50.5 = 30.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: Hampton Lane, W of SD 11	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 12 - (SD 12)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		360	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.042 +	= 0.042

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.515

$T_{LAG} = (0.6)T_c = (0.6)\ 30.9 = 18.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: SSP west of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 13 - (SD 13)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	50		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.006	+	= 0.006

Channel flow

	Segment ID	30" d				
		B-C				
15. Channel Bottom width	ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3				
24. Flow Length, L	ft	800				
25. $T_t = \frac{L}{3600\ V}$	hr	0.074	+	+	+	= 0.074
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.553

$T_{LAG} = (0.6)T_c = (0.6)\ 33.2 = 19.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: SSP west of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 14 - (SD 14)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	50		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.006	+	= 0.006

Channel flow

	Segment ID	30" d				
		B-C				
15. Channel Bottom width	ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3				
24. Flow Length, L	ft	800				
25. $T_t = \frac{L}{3600\ V}$	hr	0.074	+	+	+	= 0.074
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.553

$T_{LAG} = (0.6)T_c = (0.6)\ 33.2 = 19.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/17/13
Location: SSP E of Schodack, W of Hemp Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 15 - (SD 15)	

Sheet flow (Applicable to Tc only)

Includes Parking Area west of Hempstead Lake

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2	
11. Flow length, L	ft	230	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36	
14. $T_t = \frac{L}{3600 * V}$		0.027 +	= 0.027

Channel flow

		18" d	24" d	30" d	
	Segment ID	C-D	D-E	E-F	
15. Channel Bottom width	ft^2	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d	ft				
18. Cross sectional flow area, A (assume trapazoidal)	ft				
19. Wetted perimeter, p_w	ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft				
21. Channel slope, s	ft/ft				
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3	3	
24. Flow Length, L	ft	350	850	1050	
25. $T_t = \frac{L}{3600\ V}$	hr	0.032 +	0.079 +	0.097 +	= 0.208
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr				0.708

$T_{LAG} = (0.6)T_c = (0.6)\ 42.5 = 25.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/18/13
Location: SSP W of Schodack	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 16 - (SD 16)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	50		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.006	+	= 0.006

Channel flow

		12" d		24" d				
	Segment ID	C-D		D-E				
15.	Channel Bottom width ft^2	Pipe		Pipe				
16.	Horizontal side slope component, z (z horiz: 1 vert)							
17.	Depth of flow, d ft							
18.	Cross sectional flow area, A (assume trapazoidal) ft							
19.	Wetted perimeter, p_w ft							
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft							
21.	Channel slope, s ft/ft							
22.	Manning's roughness coefficient, n							
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3				
24.	Flow Length, L ft	50		500				
25.	$T_t = \frac{L}{3600\ V}$ hr	0.005	+	0.046	+		+	= 0.051
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr							0.530

$T_{LAG} = (0.6)T_c = (0.6)\ 31.8 = 19.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: West of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 17 - (SD 17)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Grass	
8. Manning's roughness coeff., n		0.03	
9. Paved or unpaved		Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.4	
11. Flow length, L ft		1000	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		0.19	
14. $T_t = \frac{L}{3600 * V}$		1.462 +	= 1.462

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					1.935

$T_{LAG} = (0.6)T_c = (0.6)\ 116.1 = 69.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: West of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 18 - (SD 18)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Grass	
8. Manning's roughness coeff., n		0.30	
9. Paved or unpaved		Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.4	
11. Flow length, L ft		800	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		0.19	
14. $T_t = \frac{L}{3600 * V}$		1.170 +	= 1.170

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					1.643

$T_{LAG} = (0.6)T_c = (0.6)\ 98.6 = 59.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: West of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 19 - (SD 19)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ..... ft	100
4.	Two-year 24-hour rainfall, P_2 ..... in	3.5
5.	Land slope, s ..... ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description.....	Imprv		
8.	Manning's roughness coeff., n.....	0.015		
9.	Paved or unpaved.....	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2		
11.	Flow length, L .....ft	50		
12.	Watercourse slope, s ..... ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.006	+	= 0.006

Channel flow

		15" d							
	Segment ID	C-D							
15.	Channel Bottom width ..... ft^2	Pipe							
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d .....ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ..... ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft								
21.	Channel slope, s ..... ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3							
24.	Flow Length, L ..... ft	80							
25.	$T_t = \frac{L}{3600\ V}$ ..... hr	0.007	+		+		+		= 0.007
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr								0.486

$T_{LAG} = (0.6)T_c = (0.6)\ 29.2 = 17.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 3/7/14
Location: West of Hemp Lake, N of South Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 20 - (SD 20)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	560		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.066	+	= 0.066

Channel flow

	Segment ID	18" d C-D Pipe	D-E OC			
15. Channel Bottom width	ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3			
24. Flow Length, L	ft	550	340			
25. $T_t = \frac{L}{3600\ V}$	hr	0.051 +	0.031 +	+	+	= 0.082
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.621

$T_{LAG} = (0.6)T_c = (0.6)\ 37.3 = 21.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 3/7/14
Location: Area around Schodack Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Schodack Brook 21 - (SD 21)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	400		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.047	+	= 0.047

Channel flow

	18" d	24" d			
Segment ID	C-D	D-E	E-F		
15. Channel Bottom width ft^2	Pipe	Pipe	OC		
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3		
24. Flow Length, L ft	150	120	150		
25. $T_t = \frac{L}{3600\ V}$ hr	0.014 +	0.011 +	0.014 +		= 0.039
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.559

$T_{LAG} = (0.6)T_c = (0.6)\ 33.5 = 20.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/15/14
Location: West of South Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: South Pond 1 - (SO 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	540		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.064	+	= 0.064

Channel flow

	Segment ID	18" d C-D Pipe	24" d D-E Pipe			
15. Channel Bottom width	ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3			
24. Flow Length, L	ft	430	1420			
25. $T_t = \frac{L}{3600\ V}$	hr	0.04 +	0.131 +	+	+	= 0.171
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.708

$T_{LAG} = (0.6)T_c = (0.6)\ 42.5 = 25.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 3/7/14
Location: Area surrounding South Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: South Pond 2 - (SO 2)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Woods		
8. Manning's roughness coeff., n	0.15		
9. Paved or unpaved	Unpav		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.4		
11. Flow length, L ft	540		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	0.38		
14. $T_t = \frac{L}{3600 * V}$	0.402	+	= 0.402

Channel flow

Segment ID	C-D				
15. Channel Bottom width ft^2	OC				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	500				
25. $T_t = \frac{L}{3600\ V}$ hr	0.046	+	+	+	= 0.046
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.921

$T_{LAG} = (0.6)T_c = (0.6)\ 55.3 = 33.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/21/13
Location: Northeast of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1 - (PB 1)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	840		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.099	+	= 0.099

Channel flow

	15" d	18" d	36" d	42" d
Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21. Channel slope, s ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24. Flow Length, L ft	1050	2520	920	2100
25. $T_t = \frac{L}{3600\ V}$ hr	0.097 +	0.233 +	0.085 +	0.194 = 0.609

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/21/13
Location: Northeast of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1 - (PB 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	48" d	36" d	48" d	48" d	
Segment ID	G-H	H-I	I-J	J-K	
15. Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	750	650	1900	1200	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.069 +	0.060 +	0.176 +	0.111	= 0.416
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/21/13
Location: Northeast of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1 - (PB 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	60" d	60" d	60" d	60" d	
Segment ID	K-L	L-M	M-N	N-O	
15. Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	1900	650	1320	1280	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.176 +	0.060 +	0.122 +	0.119	= 0.477
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/21/13
Location: Northeast of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1 - (PB 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID	60" d O-P Pipe	60" d P-Q Pipe			
15. Channel Bottom width ..... ft^2						
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d .....ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ..... ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft						
21. Channel slope, s ..... ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s		3	3			
24. Flow Length, L ..... ft		1650	250			
25. $T_t = \frac{L}{3600\ V}$ ..... hr		0.153 +	0.023 +		+	= 0.176
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr						

$T_{LAG} = (0.6)T_c = (0.6)\ 135.0 = 81.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/30/13
Location: Northeast of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1A - (PB1A)	

Sheet flow (Applicable to Tc only)

USE TRUNK LINE CALCS SEGMENTS A-H. SEE PB1

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		840	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.035 +	= 0.099

Channel flow

	Segment ID	C-H								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		4010								
25. $T_t = \frac{L}{3600\ V}$ hr		0.680	+		+		+		=	0.680
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										1.252

$T_{LAG} = (0.6)T_c = (0.6)\ 75.1 = 45.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/30/13
Location: Northeast of pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1B - (PB1B)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT SEGMENT J. SEE PB1

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		300	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.035 +	= 0.035

Channel flow

	Segment ID	C-D				
15. Channel Bottom width ft^2		Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft						
21. Channel slope, s ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3				
24. Flow Length, L ft		4010				
25. $T_t = \frac{L}{3600\ V}$ hr		0.371	+	+	+	= 0.371
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr						0.879

$T_{LAG} = (0.6)T_c = (0.6)\ 52.7 = 31.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/30/13
Location: Northeast of pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1C - (PB1C)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT POINT M. SEE PB1

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2		
11. Flow length, L ft		570		
12. Watercourse slope, s ft/ft		0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36		
14. $T_t = \frac{L}{3600 * V}$		0.067	+	= 0.067

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		5620								
25. $T_t = \frac{L}{3600\ V}$ hr		0.520	+		+		+		=	0.520
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										1.060

$T_{LAG} = (0.6)T_c = (0.6)\ 63.6 = 38.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/30/13
Location: Northeast of pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 1D - (PB1D)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

ENTERS TRUNK LINE AT POINT Q. SEE PB1

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2		
11. Flow length, L ft		280		
12. Watercourse slope, s ft/ft		0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36		
14. $T_t = \frac{L}{3600 * V}$		0.033	+	= 0.033

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		4570								
25. $T_t = \frac{L}{3600\ V}$ hr		0.423	+		+		+		=	0.423
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.929

$T_{LAG} = (0.6)T_c = (0.6)\ 55.7 = 33.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Munson and Pines Brook (Henry St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook A (PB-A)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	220		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.026	+	= 0.026

Channel flow

	18" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	100				
25. $T_t = \frac{L}{3600\ V}$ hr	0.009	+	+	+	= 0.009
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.508

$T_{LAG} = (0.6)T_c = (0.6)\ 30.5 = 18.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Munson and Pines Brook (Maxwell St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook B (PB-B)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C			
7. Surface description	Imprv			
8. Manning's roughness coeff., n	0.015			
9. Paved or unpaved	Paved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2			
11. Flow length, L ft	250			
12. Watercourse slope, s ft/ft	0.005			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36			
14. $T_t = \frac{L}{3600 * V}$	0.029	+		= 0.029

Channel flow

	24" d								
Segment ID	C-D								
15. Channel Bottom width ft^2	Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft									
21. Channel slope, s ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3								
24. Flow Length, L ft	25								
25. $T_t = \frac{L}{3600\ V}$ hr	0.002	+		+		+		=	0.002
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr									0.504

$T_{LAG} = (0.6)T_c = (0.6)\ 30.2 = 18.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Munson and Pines Brook (Bell St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook C (PB-C)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		300	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.035 +	= 0.035

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.508

$T_{LAG} = (0.6)T_c = (0.6)\ 30.5 = 18.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Munson and Pines Brook (Bishop Pl)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook D (PB-D)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	210		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.025	+	= 0.025

Channel flow

	18" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	70				
25. $T_t = \frac{L}{3600\ V}$ hr	0.006	+	+	+	= 0.006
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.504

$T_{LAG} = (0.6)T_c = (0.6)\ 30.2 = 18.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Munson and Pines Brook (Roy St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook E (PB-E)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	50		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.006	+	= 0.006

Channel flow

	15" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	40				
25. $T_t = \frac{L}{3600\ V}$ hr	0.004	+	+	+	= 0.004
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.483

$T_{LAG} = (0.6)T_c = (0.6)\ 29.0 = 17.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Cherry Valley and Pines Brook (Henry St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook F (PB-F)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	90		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.011	+	= 0.011

Channel flow

	15" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	40				
25. $T_t = \frac{L}{3600\ V}$ hr	0.004	+	+	+	= 0.004
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.488

$T_{LAG} = (0.6)T_c = (0.6)\ 29.3 = 17.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Cherry Valley and Pines Brook (Maxwell St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook G (PB-G)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	120		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.014	+	= 0.014

Channel flow

	15" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	80				
25. $T_t = \frac{L}{3600\ V}$ hr	.007	+	+	+	= 0.007
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.494

$T_{LAG} = (0.6)T_c = (0.6)\ 29.6 = 17.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Cherry Valley and Pines Brook (Herbert)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook H (PB-H)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		170	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.020 +	= 0.020

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.493

$T_{LAG} = (0.6)T_c = (0.6)\ 29.6 = 17.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: S of Hemp Tpke, Between Cherry Valley and Pines Brook (Roy St)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook I (PB-I)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	200		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.024	+	= 0.024

Channel flow

	15" d				
Segment ID	C-D				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	40				
25. $T_t = \frac{L}{3600\ V}$ hr	0.004	+	+	+	= 0.004
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.501

$T_{LAG} = (0.6)T_c = (0.6)\ 30.1 = 18.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: East of Pines Brook, South of PB 1	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 2 (PB2)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	250		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.020	+	= 0.029

Channel flow

	24" d	18" d	18" d	24" d	
Segment ID	C-D	D-E	E-F	F-G	
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3	
24. Flow Length, L ft	450	650	220	630	
25. $T_t = \frac{L}{3600\ V}$ hr	0.042 +	0.060 +	0.020 +	0.058	= 0.180
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: East of Pines Brook, South of PB 1	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 2 (PB2)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID				
	30" d				
	G-H				
15. Channel Bottom width ..... ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3				
24. Flow Length, L ..... ft	170				
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.016	+	+	+	=
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					0.016 / 0.698

$T_{LAG} = (0.6)T_c = (0.6)\ 41.9 = 25.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: East of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 3 (PB3)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	620		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.073	+	= 0.073

Channel flow

	15" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	250				
25. $T_t = \frac{L}{3600\ V}$ hr	0.023	+	+	+	= 0.023
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.569

$T_{LAG} = (0.6)T_c = (0.6)\ 34.1 = 20.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: East of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 4 (PB4)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	400		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.047	+	= 0.047

Channel flow

	18" d	24" d	24" d	30" d	
Segment ID	C-D	D-E	E-F	F-G	
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3	
24. Flow Length, L ft	900	550	850	175	
25. $T_t = \frac{L}{3600\ V}$ hr	0.083 +	0.051 +	0.079 +	0.016	= 0.229
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.749

$T_{LAG} = (0.6)T_c = (0.6)\ 44.9 = 26.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: East of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 5 (PB5)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	620		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.073	+	= 0.073

Channel flow

		18" d	24" d	30" d	36" d
	Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width	ft^2	Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d	ft				
18. Cross sectional flow area, A (assume trapazoidal)	ft				
19. Wetted perimeter, p_w	ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft				
21. Channel slope, s	ft/ft				
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3	3	3
24. Flow Length, L	ft	530	780	270	180
25. $T_t = \frac{L}{3600\ V}$	hr	0.049 +	0.072 +	0.025 +	0.017 = 0.163
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr				0.709

$T_{LAG} = (0.6)T_c = (0.6)\ 42.5 = 25.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: West of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 6 (PB6)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	320		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.038	+	= 0.038

Channel flow

	18" d	24" d	30" d	42" d
Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21. Channel slope, s ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24. Flow Length, L ft	600	780	380	400
25. $T_t = \frac{L}{3600\ V}$ hr	0.056 +	0.072 +	0.035 +	0.037 = 0.200

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: West of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 6 (PB6)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	36" d	36" d			
Segment ID	G-H	H-I			
15. Channel Bottom width ..... ft^2	Pipe	Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3			
24. Flow Length, L ..... ft	1400	240			
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.130 +	0.022 +	+	+	= 0.152
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					0.863

$T_{LAG} = (0.6)T_c = (0.6)\ 51.8 = 31.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: West of Pines Brook, South of Hemp Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 7 (PB7)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	320		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.038	+	= 0.038

Channel flow

	18" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	2250				
25. $T_t = \frac{L}{3600\ V}$ hr	0.208	+	+	+	= 0.208
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.719

$T_{LAG} = (0.6)T_c = (0.6)\ 43.1 = 25.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/22/13
Location: Munson Ave South of Hempstead Tpke	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 8 (PB8)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		1760	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.207 +	= 0.207

Channel flow

		15" d			
	Segment ID	C-D			
15. Channel Bottom width ft^2		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3			
24. Flow Length, L ft		140			
25. $T_t = \frac{L}{3600\ V}$ hr		0.013 +	+	+	= 0.013
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.693

$T_{LAG} = (0.6)T_c = (0.6)\ 41.6 = 25.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of PB 6, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 9 (PB9)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2		
11. Flow length, L ft		760		
12. Watercourse slope, s ft/ft		0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36		
14. $T_t = \frac{L}{3600 * V}$		0.089	+	= 0.089

Channel flow

		18" d	24" d			
	Segment ID	C-D	D-E			
15. Channel Bottom width ft^2		Pipe	Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft						
21. Channel slope, s ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3	3			
24. Flow Length, L ft		1060	150			
25. $T_t = \frac{L}{3600\ V}$ hr		0.098 +	0.014 +	+	+	= 0.112
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr						0.674

$T_{LAG} = (0.6)T_c = (0.6)\ 40.4 = 24.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of PB 6, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 10 (PB 10)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		630				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.074	+		=	0.074

Channel flow

		18" d		18" d						
	Segment ID	C-D		D-E						
15. Channel Bottom width ft^2		Pipe		Pipe						
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3		3						
24. Flow Length, L ft		330		140						
25. $T_t = \frac{L}{3600\ V}$ hr		0.031	+	0.013	+		+		=	0.044
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.591

$T_{LAG} = (0.6)T_c = (0.6)\ 35.5 = 21.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: Nassau Blvd, N of Johnson, W of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 11 (PB 11)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	50		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.006	+	= 0.006

Channel flow

	18" d				
Segment ID	C-D				
15. Channel Bottom width ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	50				
25. $T_t = \frac{L}{3600\ V}$ hr	0.005	+	+	+	= 0.005
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.484

$T_{LAG} = (0.6)T_c = (0.6)\ 29.0 = 17.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: Nassau Blvd, N of Johnson, W of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 12 (PB 12)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C			
7. Surface description	Imprv			
8. Manning's roughness coeff., n	0.015			
9. Paved or unpaved	Paved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2			
11. Flow length, L ft	50			
12. Watercourse slope, s ft/ft	0.005			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36			
14. $T_t = \frac{L}{3600 * V}$	0.006	+		= 0.006

Channel flow

	15" d								
Segment ID	C-D								
15. Channel Bottom width ft^2	Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft									
21. Channel slope, s ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3								
24. Flow Length, L ft	90								
25. $T_t = \frac{L}{3600\ V}$ hr	0.008	+		+		+		=	0.008
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr									0.487

$T_{LAG} = (0.6)T_c = (0.6)\ 29.2 = 17.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: N of Johnson, E of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 13 (PB 13)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		125	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.015 +	= 0.015

Channel flow

		15" d			
	Segment ID	C-D			
15. Channel Bottom width ft^2		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3			
24. Flow Length, L ft		75			
25. $T_t = \frac{L}{3600\ V}$ hr		0.007 +	+	+	= 0.007
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.495

$T_{LAG} = (0.6)T_c = (0.6)\ 29.7 = 17.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/23/13
Location: Nassau Blvd to Johnson Lane	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 14 (PB 14)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		300	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.035 +	= 0.035

Channel flow

		18" d			
	Segment ID	C-D			
15. Channel Bottom width ft^2		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3			
24. Flow Length, L ft		820			
25. $T_t = \frac{L}{3600\ V}$ hr		0.076 +	+	+	= 0.076
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.584

$T_{LAG} = (0.6)T_c = (0.6)\ 35.0 = 21.0$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: Dogwood Ave, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 15 (PB 15)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2	
11. Flow length, L	ft	1830	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36	
14. $T_t = \frac{L}{3600 * V}$		0.215 +	= 0.215

Channel flow

		18" d	30" d	36" d	42" d	
Segment ID		C-D	D-E	E-F	F-G	
15. Channel Bottom width	ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3	3	3	
24. Flow Length, L	ft	1760	800	900	420	
25. $T_t = \frac{L}{3600\ V}$	hr	0.163 +	0.074 +	0.083 +	0.039	= 0.359
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					1.047

$T_{LAG} = (0.6)T_c = (0.6)\ 62.8 = 37.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: W of Nassau Rd, East of PB 15	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 16 (PB 16)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		430	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.051 +	= 0.051

Channel flow

	18" d	24" d	30" d	36" d
Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)				
17. Depth of flow, d ft				
18. Cross sectional flow area, A (assume trapazoidal) ft				
19. Wetted perimeter, p_w ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21. Channel slope, s ft/ft				
22. Manning's roughness coefficient, n				
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24. Flow Length, L ft	350	1010	580	230
25. $T_t = \frac{L}{3600\ V}$ hr	0.032 +	0.094 +	0.054 +	0.021 = 0.201
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				0.725

$T_{LAG} = (0.6)T_c = (0.6)\ 43.5 = 26.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: N of SSP, East of Hempstead Ave	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 17 (PB 17)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C		
7. Surface description	Imprv		
8. Manning's roughness coeff., n	0.015		
9. Paved or unpaved	Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11. Flow length, L ft	550		
12. Watercourse slope, s ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$	0.065	+	= 0.065

Channel flow

	24" d	24" d	30" d	36" d	
Segment ID	C-D	D-E	E-F	F-G	
15. Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3	
24. Flow Length, L ft	940	250	200	240	
25. $T_t = \frac{L}{3600\ V}$ hr	0.087 +	0.023 +	0.019 +	0.022	= 0.151

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: N of SSP, East of Hempstead Ave	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 17 (PB 17)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID				
	48" d				
	G-H				
15. Channel Bottom width ..... ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3				
24. Flow Length, L ..... ft	310				
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.029	+	+	+	=

	0.029
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr	0.718

$T_{LAG} = (0.6)T_c = (0.6)$ 43.1 = 25.9 minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/29/13
Location: North of SSP, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 18 (PB 18)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		2670	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.314 +	= 0.314

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.787

$T_{LAG} = (0.6)T_c = (0.6)\ 47.2 = 28.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: North of SSP, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 19 (PB 19)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		530	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.062 +	= 0.062

Channel flow

		24" d			
	Segment ID	C-D			
15. Channel Bottom width ft^2		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3			
24. Flow Length, L ft		200			
25. $T_t = \frac{L}{3600\ V}$ hr		0.019 +	+	+	= 0.019
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.554

$T_{LAG} = (0.6)T_c = (0.6)\ 33.2 = 19.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: North of SSP, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 20 (PB 20)	

Sheet flow (Applicable to Tc only)

Segment ID		A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID		B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	350		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.041	+	= 0.041

Channel flow

		18" d						
Segment ID		C-D						
15. Channel Bottom width	ft^2	Pipe						
16. Horizontal side slope component, z (z horiz: 1 vert)								
17. Depth of flow, d	ft							
18. Cross sectional flow area, A (assume trapazoidal)	ft							
19. Wetted perimeter, p_w	ft							
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft							
21. Channel slope, s	ft/ft							
22. Manning's roughness coefficient, n								
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3						
24. Flow Length, L	ft	180						
25. $T_t = \frac{L}{3600\ V}$	hr	0.017	+	+	+	=	0.017	
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr						0.531	

$T_{LAG} = (0.6)T_c = (0.6)\ 31.9 = 19.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of SSP, North of LIRR, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 21 (PB 21)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	1470		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.173	+	= 0.173

Channel flow

	Segment ID	15" d C-D	24" d D-E	30" d E-F		
15. Channel Bottom width	ft^2	Pipe	Pipe	Pipe		
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3	3		
24. Flow Length, L	ft	1150	490	180		
25. $T_t = \frac{L}{3600\ V}$	hr	0.106 +	0.045 +	0.017 +		= 0.168
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.814

$T_{LAG} = (0.6)T_c = (0.6)\ 48.8 = 29.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of SSP, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 22 (PB 22)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	670		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.079	+	= 0.079

Channel flow

		18" d	30" d	30" d	36" d
	Segment ID	C-D	D-E	E-F	F-G
15.	Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21.	Channel slope, s ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24.	Flow Length, L ft	1300	290	1650	250
25.	$T_t = \frac{L}{3600\ V}$ hr	0.120 +	0.027 +	0.153 +	0.023 = 0.323
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of SSP, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 22 (PB 22)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID				
	36" d				
	G-H				
15. Channel Bottom width ..... ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3				
24. Flow Length, L ..... ft	870				
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.081	+	+	+	= 0.081
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					0.956

$T_{LAG} = (0.6)T_c = (0.6)\ 57.4 = 34.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23 (PB 23)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7.	Surface description	Imprv	
8.	Manning's roughness coeff., n	0.015	
9.	Paved or unpaved	Paved	
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	
11.	Flow length, L ft	90	
12.	Watercourse slope, s ft/ft	0.005	
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	
14.	$T_t = \frac{L}{3600 * V}$	0.011 +	= 0.011

Channel flow

		24" d		30" d		30" d		2.5'X5'	
	Segment ID	C-D		D-E		E-F		F-G	
15.	Channel Bottom width ft^2	Pipe		Pipe		Pipe		BC	
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft								
21.	Channel slope, s ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3		3		3	
24.	Flow Length, L ft	1140		300		1550		250	
25.	$T_t = \frac{L}{3600\ V}$ hr	0.106	+	0.028	+	0.144	+	0.023	= 0.301
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr								

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23 (PB 23)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	48" d	48" d	2.5'X5'	72" d	
Segment ID	G-H	H-I	I-J	J-K	
15. Channel Bottom width ..... ft^2	Pipe	Pipe	BC	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	1430	500	100	960	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.132 +	0.046 +	0.009 +	0.089 =	0.276
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23 (PB 23)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	72" d	72" d			
Segment ID	G-H	H-I			
15. Channel Bottom width ..... ft^2	Pipe	Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3			
24. Flow Length, L ..... ft	2000	220			
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.185 +	0.020 +	+	+	= 0.205
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					1.266

$T_{LAG} = (0.6)T_c = (0.6)\ 76.0 = 45.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23A - (PB 23A)	

Sheet flow (Applicable to Tc only)

This subwatershed is the northern section of PB23 and follows the trunk line. T_c calculated for time taken to enter trunk line at point C.

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473

= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7.	Surface description	Imprv	
8.	Manning's roughness coeff., n	0.015	
9.	Paved or unpaved	Paved	
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	
11.	Flow length, L ft	90	
12.	Watercourse slope, s ft/ft	0.005	
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	
14.	$T_t = \frac{L}{3600 * V}$	0.011	+

= 0.011

Channel flow

	Segment ID				
15.	Channel Bottom width ft^2				
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21.	Channel slope, s ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s				
24.	Flow Length, L ft				
25.	$T_t = \frac{L}{3600\ V}$ hr	+	+	+	

= 0.000

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr = 0.484

$T_{LAG} = (0.6)T_c = (0.6)\ 29.0 = 17.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/26/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23B - (PB 23B)	

Sheet flow (Applicable to Tc only)

Enters trunk line at point J

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2		
11. Flow length, L	ft	1125		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.132	+	= 0.132

Channel flow

	Segment ID	C-D								
15. Channel Bottom width	ft^2	Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d	ft									
18. Cross sectional flow area, A (assume trapazoidal)	ft									
19. Wetted perimeter, p_w	ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft									
21. Channel slope, s	ft/ft									
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3								
24. Flow Length, L	ft	3290								
25. $T_t = \frac{L}{3600\ V}$	hr	0.305	+		+		+		=	0.305
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr									0.910

$T_{LAG} = (0.6)T_c = (0.6)\ 54.6 = 32.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/26/13
Location: NW of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 23C - (PB 23C)	

Sheet flow (Applicable to Tc only)

Enters trunk line at point K

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		425	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.050 +	= 0.050

Channel flow

	Segment ID	C-D								
15. Channel Bottom width ft^2		Pipe								
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3								
24. Flow Length, L ft		2070								
25. $T_t = \frac{L}{3600\ V}$ hr		0.192	+		+		+		=	0.192
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.715

$T_{LAG} = (0.6)T_c = (0.6)\ 42.9 = 25.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: South of LIRR, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 24 - (PB 24)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		300				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.035	+		=	0.035

Channel flow

		24" d		24" d					
	Segment ID	C-D		D-E					
15. Channel Bottom width ft^2		Pipe		Pipe					
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft									
21. Channel slope, s ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3		3					
24. Flow Length, L ft		1000		310					
25. $T_t = \frac{L}{3600\ V}$ hr		0.093	+	0.029	+		+		= 0.122
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr									0.630

$T_{LAG} = (0.6)T_c = (0.6)\ 37.8 = 22.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: South of LIRR, West of Ocean Ave	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 25 - (PB 25)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2	
11. Flow length, L	ft	180	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36	
14. $T_t = \frac{L}{3600 * V}$		0.021 +	= 0.021

Channel flow

		24" d	36" d	36" d	
	Segment ID	C-D	D-E	E-F	
15. Channel Bottom width	ft^2	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d	ft				
18. Cross sectional flow area, A (assume trapazoidal)	ft				
19. Wetted perimeter, p_w	ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft				
21. Channel slope, s	ft/ft				
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3	3	
24. Flow Length, L	ft	900	1100	350	
25. $T_t = \frac{L}{3600\ V}$	hr	0.083 +	0.102 +	0.032 +	= 0.217
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr				0.711

$T_{LAG} = (0.6)T_c = (0.6)\ 42.7 = 25.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: South of LIRR, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 26 - (PB 26)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ..... ft	100
4.	Two-year 24-hour rainfall, P_2 ..... in	3.5
5.	Land slope, s ..... ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description.....	Imprv		
8.	Manning's roughness coeff., n.....	0.015		
9.	Paved or unpaved.....	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2		
11.	Flow length, L .....ft	640		
12.	Watercourse slope, s ..... ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.075	+	= 0.075

Channel flow

		24" d	30" d	36" d	36" d
	Segment ID	C-D	D-E	E-F	F-G
15.	Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d .....ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ..... ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft				
21.	Channel slope, s ..... ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3
24.	Flow Length, L ..... ft	480	340	1080	1070
25.	$T_t = \frac{L}{3600\ V}$ ..... hr	0.044 +	0.031 +	0.100 +	0.099 = 0.274
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr				

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: South of LIRR, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 26 - (PB 26)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID				
	60" d				
	G-H				
15. Channel Bottom width ..... ft^2	Pipe				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3				
24. Flow Length, L ..... ft	90				
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.008	+	+	+	=

26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr	0.008
	0.830

$T_{LAG} = (0.6)T_c = (0.6)\ 49.8 = 29.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: South of LIRR, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 27 - (PB 27)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	460		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.054	+	= 0.054

Channel flow

		24" d		24" d					
	Segment ID	C-D		D-E					
15.	Channel Bottom width ft^2	Pipe		Pipe					
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft								
21.	Channel slope, s ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3					
24.	Flow Length, L ft	240		250					
25.	$T_t = \frac{L}{3600\ V}$ hr	0.022	+	0.023	+		+		= 0.045
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr								0.572

$T_{LAG} = (0.6)T_c = (0.6)\ 34.3 = 20.6$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: South of LIRR, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 28 - (PB 28)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ft		100		
4. Two-year 24-hour rainfall, P_2 in		3.5		
5. Land slope, s ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description		Imprv				
8. Manning's roughness coeff., n		0.015				
9. Paved or unpaved		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2				
11. Flow length, L ft		40				
12. Watercourse slope, s ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.005	+		=	0.005

Channel flow

		18" d		24" d						
	Segment ID	C-D		D-E						
15. Channel Bottom width ft^2		Pipe		Pipe						
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft										
21. Channel slope, s ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3		3						
24. Flow Length, L ft		600		560						
25. $T_t = \frac{L}{3600\ V}$ hr		0.056	+	0.052	+		+		=	0.108
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr										0.586

$T_{LAG} = (0.6)T_c = (0.6)\ 35.2 = 21.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: North of Smith Pond, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 29 - (PB 29)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		100	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.012 +	= 0.012

Channel flow

		18" d	24" d	24" d	24" d
	Segment ID	C-D	D-E	E-F	F-G
15. Channel Bottom width ft^2		Pipe	Pipe	Pipe	Pipe
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3	3	3	3
24. Flow Length, L ft		560	230	1650	540
25. $T_t = \frac{L}{3600\ V}$ hr		0.052 +	0.021 +	0.153 +	0.050 = 0.276
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.761

$T_{LAG} = (0.6)T_c = (0.6)\ 45.7 = 27.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/28/13
Location: North of Lakeview Ave, East of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 30 - (PB 30)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C			
7. Surface description	Imprv			
8. Manning's roughness coeff., n	0.015			
9. Paved or unpaved	Paved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2			
11. Flow length, L ft	150			
12. Watercourse slope, s ft/ft	0.005			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36			
14. $T_t = \frac{L}{3600 * V}$	0.018	+		= 0.018

Channel flow

	18" d		18" d		24" d			
Segment ID	C-D		D-E		E-F			
15. Channel Bottom width ft^2	Pipe		Pipe		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)								
17. Depth of flow, d ft								
18. Cross sectional flow area, A (assume trapazoidal) ft								
19. Wetted perimeter, p_w ft								
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft								
21. Channel slope, s ft/ft								
22. Manning's roughness coefficient, n								
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3		3		3			
24. Flow Length, L ft	260		260		410			
25. $T_t = \frac{L}{3600\ V}$ hr	0.024	+	0.024	+	0.038	+		= 0.086
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr								0.577

$T_{LAG} = (0.6)T_c = (0.6)\ 34.6 = 20.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/29/13
Location: North of Lakeview Ave, E & W of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 31 - (PB 31)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description			
8. Manning's roughness coeff., n			
9. Paved or unpaved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft			
11. Flow length, L ft			
12. Watercourse slope, s ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID	18" d B-C Pipe				
15. Channel Bottom width ft^2						
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft						
21. Channel slope, s ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3				
24. Flow Length, L ft		210				
25. $T_t = \frac{L}{3600\ V}$ hr		0.019	+	+	+	= 0.019
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr						0.492

$T_{LAG} = (0.6)T_c = (0.6)\ 29.5 = 17.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: North of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 32 - (PB 32)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7. Surface description		Imprv		
8. Manning's roughness coeff., n		0.015		
9. Paved or unpaved		Paved		
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.20		
11. Flow length, L	ft	380		
12. Watercourse slope, s	ft/ft	0.005		
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36		
14. $T_t = \frac{L}{3600 * V}$		0.045	+	= 0.045

Channel flow

	Segment ID	18" d C-D Pipe	30" d D-E Pipe			
15. Channel Bottom width	ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d	ft					
18. Cross sectional flow area, A (assume trapazoidal)	ft					
19. Wetted perimeter, p_w	ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft					
21. Channel slope, s	ft/ft					
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s	3	3			
24. Flow Length, L	ft	1270	260			
25. $T_t = \frac{L}{3600\ V}$	hr	0.118 +	0.024 +	+	+	= 0.142
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.660

$T_{LAG} = (0.6)T_c = (0.6)\ 39.6 = 23.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/29/13
Location: North of Lakeview Ave, West of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 33 - (PB 33)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description			
8. Manning's roughness coeff., n			
9. Paved or unpaved			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft			
11. Flow length, L ft			
12. Watercourse slope, s ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	Segment ID	18" d B-C Pipe				
15. Channel Bottom width ft^2						
16. Horizontal side slope component, z (z horiz: 1 vert)						
17. Depth of flow, d ft						
18. Cross sectional flow area, A (assume trapazoidal) ft						
19. Wetted perimeter, p_w ft						
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft						
21. Channel slope, s ft/ft						
22. Manning's roughness coefficient, n						
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s		3				
24. Flow Length, L ft		200				
25. $T_t = \frac{L}{3600\ V}$ hr		0.019	+	+	+	= 0.019
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr						0.492

$T_{LAG} = (0.6)T_c = (0.6)\ 29.5 = 17.7$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/29/13
Location: South of LIRR, East of Ocean Ave, (Coral Court)	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 34 - (PB 34)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		410	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.048 +	= 0.048

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.521

$T_{LAG} = (0.6)T_c = (0.6)\ 31.3 = 18.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/24/13
Location: Northeast of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 35 - (PB 35)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B		
1. Surface description (table 3-1)		Grass		
2. Manning's roughness coefficient, n (table 3-1)		0.30		
3. Flow length, L (total L < 300 ft) ..... ft		100		
4. Two-year 24-hour rainfall, P_2 ..... in		3.5		
5. Land slope, s ..... ft/ft		0.005		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		0.473	=	0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C				
7. Surface description.....		Imprv				
8. Manning's roughness coeff., n.....		0.015				
9. Paved or unpaved.....		Paved				
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft		0.2				
11. Flow length, L .....ft		540				
12. Watercourse slope, s ..... ft/ft		0.005				
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s		2.36				
14. $T_t = \frac{L}{3600 * V}$		0.064	+		=	0.064

Channel flow

	Segment ID	18" d C-D Pipe								
15. Channel Bottom width ..... ft^2										
16. Horizontal side slope component, z (z horiz: 1 vert)										
17. Depth of flow, d .....ft										
18. Cross sectional flow area, A (assume trapazoidal) ft										
19. Wetted perimeter, p_w ..... ft										
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft										
21. Channel slope, s ..... ft/ft										
22. Manning's roughness coefficient, n										
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s		3								
24. Flow Length, L ..... ft		300								
25. $T_t = \frac{L}{3600\ V}$ ..... hr		0.028	+		+		+		=	0.028
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr										0.565

$T_{LAG} = (0.6)T_c = (0.6)\ 33.9 = 20.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: Northeast of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 36 - (PB 36)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Grass	
8. Manning's roughness coeff., n		0.30	
9. Paved or unpaved		Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.4	
11. Flow length, L	ft	270	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	0.19	
14. $T_t = \frac{L}{3600 * V}$		0.395 +	= 0.395

Channel flow

	Segment ID								
15. Channel Bottom width	ft^2								
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d	ft								
18. Cross sectional flow area, A (assume trapazoidal)	ft								
19. Wetted perimeter, p_w	ft								
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft								
21. Channel slope, s	ft/ft								
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s								
24. Flow Length, L	ft								
25. $T_t = \frac{L}{3600\ V}$	hr	+	+	+	=	0.000			
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.868			

$T_{LAG} = (0.6)T_c = (0.6)\ 52.1 = 31.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: Arnold Rd, N of LIRR, E of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 37 - (PB 37)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		320	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.038 +	= 0.038

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.511

$T_{LAG} = (0.6)T_c = (0.6)\ 30.7 = 18.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/25/13
Location: Sunapee Rd, N of LIRR, E of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 38 - (PB 38)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		550	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.065 +	= 0.065

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.538

$T_{LAG} = (0.6)T_c = (0.6)\ 32.3 = 19.4$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 1/14/14
Location: Sunapee Rd, N of LIRR, E of Pines Brook	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Pines Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Pines Brook 39 - (PB 39)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Grass	
8. Manning's roughness coeff., n		0.30	
9. Paved or unpaved		Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.4	
11. Flow length, L ft		250	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		0.19	
14. $T_t = \frac{L}{3600 * V}$		0.365 +	= 0.365

Channel flow

	Segment ID								
15. Channel Bottom width ft^2									
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft									
21. Channel slope, s ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s									
24. Flow Length, L ft									
25. $T_t = \frac{L}{3600\ V}$ hr		+		+		+		=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr									0.838

$T_{LAG} = (0.6)T_c = (0.6)\ 50.3 = 30.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project	By	Date
Hempstead Lake State Park	CP	1/14/14
Location	Checked	Date

Check one: ■ Present ☐ Developed

Check one: ■ T_c ☐ T_t through subarea

Watershed: Pines Brook

Subwatershed: Pines Brook 40 - (PB 40)

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		300	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.035 +	= 0.035

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.508

$T_{LAG} = (0.6)T_c = (0.6)\ 30.5 = 18.3$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project	By	Date
Hempstead Lake State Park	CP	1/14/14
Location	Checked	Date

Check one: ■ Present ☐ Developed

Check one: ■ T_c ☐ T_t through subarea

Watershed: Pines Brook

Subwatershed: Pines Brook 41 - (PB 41)

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Grass	
8. Manning's roughness coeff., n		0.30	
9. Paved or unpaved		Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.4	
11. Flow length, L	ft	150	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	0.19	
14. $T_t = \frac{L}{3600 * V}$		0.219 +	= 0.219

Channel flow

	Segment ID								
15. Channel Bottom width	ft^2								
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d	ft								
18. Cross sectional flow area, A (assume trapazoidal)	ft								
19. Wetted perimeter, p_w	ft								
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft								
21. Channel slope, s	ft/ft								
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s								
24. Flow Length, L	ft								
25. $T_t = \frac{L}{3600\ V}$	hr	+	+	+	=	0.000			
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr					0.692			

$T_{LAG} = (0.6)T_c = (0.6)\ 41.5 = 24.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1 - (SM 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ..... ft	100
4.	Two-year 24-hour rainfall, P_2 ..... in	3.5
5.	Land slope, s ..... ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description.....	Imprv		
8.	Manning's roughness coeff., n.....	0.015		
9.	Paved or unpaved.....	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2		
11.	Flow length, L .....ft	250		
12.	Watercourse slope, s ..... ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.029	+	= 0.029

Channel flow

		18" d		24" d		24" d		24" d	
	Segment ID	C-D		D-E		E-F		F-G	
15.	Channel Bottom width ..... ft^2	Pipe		Pipe		Pipe		Pipe	
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d .....ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ..... ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft								
21.	Channel slope, s ..... ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3		3		3		3	
24.	Flow Length, L ..... ft	1020		1580		670		650	
25.	$T_t = \frac{L}{3600\ V}$ ..... hr	0.094	+	0.146	+	0.062	+	0.060	= 0.362
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr								

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1 - (SM 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	24" d	30" d	36" d	42" d	
Segment ID	G-H	H-I	I-J	J-K	
15. Channel Bottom width ..... ft^2	Pipe	Pipe	Pipe	Pipe	
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3	3	3	
24. Flow Length, L ..... ft	1940	1820	3050	1200	
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.180 +	0.169 +	0.282 +	0.111 =	0.742
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1 - (SM 1)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	48" d	54" d			
Segment ID	K-L	L-M			
15. Channel Bottom width ..... ft^2	Pipe	Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d .....ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ..... ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft					
21. Channel slope, s ..... ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3	3			
24. Flow Length, L ..... ft	3100	200			
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.287 +	0.019 +	+	+	= 0.306
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr					1.912

$T_{LAG} = (0.6)T_c = (0.6)\ 114.7 = 68.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1A - (SM 1A)	

Sheet flow (Applicable to Tc only)

This subwatershed is the northern section of SM1 and follows the trunk line. T_c calculated for time taken to enter trunk line at point C.

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ..... ft		100
4. Two-year 24-hour rainfall, P_2 ..... in		3.5
5. Land slope, s ..... ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description.....		Imprv	
8. Manning's roughness coeff., n.....		0.015	
9. Paved or unpaved.....		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft		0.2	
11. Flow length, L .....ft		250	
12. Watercourse slope, s ..... ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.029 +	= 0.029

Channel flow

	Segment ID								
15. Channel Bottom width ..... ft^2									
16. Horizontal side slope component, z (z horiz: 1 vert)									
17. Depth of flow, d .....ft									
18. Cross sectional flow area, A (assume trapazoidal) ft									
19. Wetted perimeter, p_w ..... ft									
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft									
21. Channel slope, s ..... ft/ft									
22. Manning's roughness coefficient, n									
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s									
24. Flow Length, L ..... ft									
25. $T_t = \frac{L}{3600\ V}$ ..... hr		+		+		+		=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr									0.502

$T_{LAG} = (0.6)T_c = (0.6)\ 30.1 = 18.1$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1B - (SM 1B)	

Sheet flow (Applicable to Tc only)

Enters trunk line at point I

	Segment ID	A-B	
1.	Surface description (table 3-1)	Grass	
2.	Manning's roughness coefficient, n (table 3-1)	0.30	
3.	Flow length, L (total L < 300 ft) ..... ft	100	
4.	Two-year 24-hour rainfall, P_2 ..... in	3.5	
5.	Land slope, s ..... ft/ft	0.005	
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C			
7.	Surface description.....	Imprv			
8.	Manning's roughness coeff., n.....	0.015			
9.	Paved or unpaved.....	Paved			
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft	0.2			
11.	Flow length, L .....ft	720			
12.	Watercourse slope, s ..... ft/ft	0.005			
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s	2.36			
14.	$T_t = \frac{L}{3600 * V}$	0.085	+		= 0.085

Channel flow

	Segment ID	C-D							
15.	Channel Bottom width ..... ft^2	Pipe							
16.	Horizontal side slope component, z (z horiz: 1 vert)								
17.	Depth of flow, d .....ft								
18.	Cross sectional flow area, A (assume trapazoidal) ft								
19.	Wetted perimeter, p_w ..... ft								
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft								
21.	Channel slope, s ..... ft/ft								
22.	Manning's roughness coefficient, n								
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3							
24.	Flow Length, L ..... ft	4515							
25.	$T_t = \frac{L}{3600\ V}$ ..... hr	0.418	+		+		+		= 0.418
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr								0.976

$T_{LAG} = (0.6)T_c = (0.6)\ 58.6 = 35.2$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: East of Hempstead Lake	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 1C - (SM 1C)	

Sheet flow (Applicable to Tc only)

Enters trunk line at point I

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		200	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.085 +	= 0.024

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.497

$T_{LAG} = (0.6)T_c = (0.6)\ 29.8 = 17.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: East of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 2 - (SM 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1.	Surface description (table 3-1)	Grass
2.	Manning's roughness coefficient, n (table 3-1)	0.30
3.	Flow length, L (total L < 300 ft) ft	100
4.	Two-year 24-hour rainfall, P_2 in	3.5
5.	Land slope, s ft/ft	0.005
6.	$T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C		
7.	Surface description	Imprv		
8.	Manning's roughness coeff., n	0.015		
9.	Paved or unpaved	Paved		
10.	Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2		
11.	Flow length, L ft	3050		
12.	Watercourse slope, s ft/ft	0.005		
13.	Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36		
14.	$T_t = \frac{L}{3600 * V}$	0.359	+	= 0.359

Channel flow

		24" d	36" d	48" d	48" d
	Segment ID	C-D	D-E	E-F	F-G
15.	Channel Bottom width ft^2	Pipe	Pipe	Pipe	Pipe
16.	Horizontal side slope component, z (z horiz: 1 vert)				
17.	Depth of flow, d ft				
18.	Cross sectional flow area, A (assume trapazoidal) ft				
19.	Wetted perimeter, p_w ft				
20.	Hydraulic radius, $r = \frac{a}{p_w}$ ft				
21.	Channel slope, s ft/ft				
22.	Manning's roughness coefficient, n				
23.	$V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3	3	3	3
24.	Flow Length, L ft	860	620	850	780
25.	$T_t = \frac{L}{3600\ V}$ hr	0.080 +	0.057 +	0.079 +	0.072 = 0.288
26.	Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr				

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 10/16/13
Location: East of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 2 - (SM 2)	

Sheet flow (Applicable to Tc only)

	Segment ID	
1. Surface description (table 3-1)		
2. Manning's roughness coefficient, n (table 3-1)		
3. Flow length, L (total L < 300 ft) ..... ft		
4. Two-year 24-hour rainfall, P_2 ..... in		
5. Land slope, s ..... ft/ft		
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t ..... hr		=

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID		
7. Surface description.....			
8. Manning's roughness coeff., n.....			
9. Paved or unpaved.....			
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved.....ft			
11. Flow length, L .....ft			
12. Watercourse slope, s ..... ft/ft			
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ..... ft/s			
14. $T_t = \frac{L}{3600 * V}$		+	=

Channel flow

	48" d		48" d		48" d			
Segment ID	G-H		H-I		I-J			
15. Channel Bottom width ..... ft^2	Pipe		Pipe		Pipe			
16. Horizontal side slope component, z (z horiz: 1 vert)								
17. Depth of flow, d .....ft								
18. Cross sectional flow area, A (assume trapazoidal) ft								
19. Wetted perimeter, p_w ..... ft								
20. Hydraulic radius, $r = \frac{a}{p_w}$ ..... ft								
21. Channel slope, s ..... ft/ft								
22. Manning's roughness coefficient, n								
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ .....ft/s	3		3		3			
24. Flow Length, L ..... ft	190		720		750			
25. $T_t = \frac{L}{3600\ V}$ ..... hr	0.018	+	0.067	+	0.069	+		= 0.154
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) ..... Hr								1.274

$T_{LAG} = (0.6)T_c = (0.6)\ 76.4 = 45.8$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: East of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 2A - (SM 2A)	

Sheet flow (Applicable to Tc only)

This subwatershed is the northern section of SM2 and follows the trunk line. T_c calculated for time taken to enter trunk line at point C.

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft)	ft	100
4. Two-year 24-hour rainfall, P_2	in	3.5
5. Land slope, s	ft/ft	0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t	hr	0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved	ft	0.2	
11. Flow length, L	ft	200	
12. Watercourse slope, s	ft/ft	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$	ft/s	2.36	
14. $T_t = \frac{L}{3600 * V}$		0.359 +	= 0.359

Channel flow

	Segment ID				
15. Channel Bottom width	ft^2				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d	ft				
18. Cross sectional flow area, A (assume trapazoidal)	ft				
19. Wetted perimeter, p_w	ft				
20. Hydraulic radius, $r = \frac{a}{p_w}$	ft				
21. Channel slope, s	ft/ft				
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$	ft/s				
24. Flow Length, L	ft				
25. $T_t = \frac{L}{3600\ V}$	hr	+	+	+	= 0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25)	Hr				0.832

$T_{LAG} = (0.6)T_c = (0.6)\ 49.9 = 29.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 12/23/13
Location: East of Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 2B - (SM 2B)	

Sheet flow (Applicable to Tc only)

Enters trunk line at point I

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Imprv	
8. Manning's roughness coeff., n		0.015	
9. Paved or unpaved		Paved	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.2	
11. Flow length, L ft		200	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		2.36	
14. $T_t = \frac{L}{3600 * V}$		0.024 +	= 0.024

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.497

$T_{LAG} = (0.6)T_c = (0.6)\ 29.8 = 17.9$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 3/7/14
Location: Area between South Pond and Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 3 - (SM 3)	

Sheet flow (Applicable to Tc only)

Segment ID	A-B	
1. Surface description (table 3-1)	Grass	
2. Manning's roughness coefficient, n (table 3-1)	0.30	
3. Flow length, L (total L < 300 ft) ft	100	
4. Two-year 24-hour rainfall, P_2 in	3.5	
5. Land slope, s ft/ft	0.005	
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr	0.473	= 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

Segment ID	B-C	C-D	
7. Surface description	Imprv	Woods	
8. Manning's roughness coeff., n	0.015	0.15	
9. Paved or unpaved	Paved	Unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft	0.2	0.4	
11. Flow length, L ft	310	500	
12. Watercourse slope, s ft/ft	0.005	0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s	2.36	0.38	
14. $T_t = \frac{L}{3600 * V}$	0.036 +	0.365	= 0.401

Channel flow

Segment ID	D-E				
15. Channel Bottom width ft^2	OC				
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s	3				
24. Flow Length, L ft	1500				
25. $T_t = \frac{L}{3600\ V}$ hr	0.139 +	+	+	+	= 0.139
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					1.013

$T_{LAG} = (0.6)T_c = (0.6)\ 60.8 = 36.5$ minutes

Time of Concentration (T_c) or travel time (T_t) Worksheet

Project: Hempstead Lake State Park	By: CP	Date: 3/11/14
Location: Wooded area around Smith Pond	Checked:	Date:
Check one: ■ Present ☐ Developed	Watershed: Mill Creek/Horse Brook	
Check one: ■ T_c ☐ T_t through subarea	Subwatershed: Smith Pond 4 - (SM 4)	

Sheet flow (Applicable to Tc only)

	Segment ID	A-B
1. Surface description (table 3-1)		Grass
2. Manning's roughness coefficient, n (table 3-1)		0.30
3. Flow length, L (total L < 300 ft) ft		100
4. Two-year 24-hour rainfall, P_2 in		3.5
5. Land slope, s ft/ft		0.005
6. $T_t = \frac{0.007\ (nL)^{0.8}}{P_2^{0.5}\ (s^{0.4})}$ Compute T_t hr		0.473 = 0.473

Shallow concentrated flow (assume hyd. radius = depth of flow)

	Segment ID	B-C	
7. Surface description		Wood	
8. Manning's roughness coeff., n		0.15	
9. Paved or unpaved		unpav	
10. Depth of flow, d (default values: d= .4 unpaved, d= .2 paved) ft		0.4	
11. Flow length, L ft		500	
12. Watercourse slope, s ft/ft		0.005	
13. Average velocity, $V = \frac{1.49}{n}(d^{2/3})(s^{1/2})$ ft/s		0.38	
14. $T_t = \frac{L}{3600 * V}$		0.365 +	= 0.365

Channel flow

	Segment ID				
15. Channel Bottom width ft^2					
16. Horizontal side slope component, z (z horiz: 1 vert)					
17. Depth of flow, d ft					
18. Cross sectional flow area, A (assume trapazoidal) ft					
19. Wetted perimeter, p_w ft					
20. Hydraulic radius, $r = \frac{a}{p_w}$ ft					
21. Channel slope, s ft/ft					
22. Manning's roughness coefficient, n					
23. $V = \frac{1.49\ r^{2/3}\ s^{1/2}}{n}$ ft/s					
24. Flow Length, L ft					
25. $T_t = \frac{L}{3600\ V}$ hr	+	+	+	=	0.000
26. Watershed or subarea T_c or T_t (add T_t in steps 6, 14, and 25) Hr					0.838

$T_{LAG} = (0.6)T_c = (0.6)\ 50.3 = 30.2$ minutes

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Peak Streamflow for the Nation

USGS 01311000 PINES BROOK AT MALVERNE NY

Available data for this site Surface-water: Peak streamflow GO

Nassau County, New York
Hydrologic Unit Code 02030202
Latitude 40°39'59", Longitude 73°39'33" NAD83
Drainage area 10.1 square miles
Gage datum 7.11 feet above NGVD29

Output formats

Table
Graph
Tab-separated file
peakfq (watstore) format
Reselect output format

Water Year	Date	Gage Height (feet)	Stream-flow (cfs)
1937	Jun. 14, 1937	1.77[3]	32.6
1938	Sep. 21, 1938	2.06[3]	74.0
1939	Apr. 07, 1939	1.73[3]	32.0
1940	Sep. 25, 1940	1.60[3]	22.0

1941	Feb. 07, 1941	1.99[3]	63.0
1942	Jul. 18, 1942	1.59[2,3]	22.0
1943	Aug. 11, 1943	1.81[3]	40.0
1944	Sep. 14, 1944	2.16[3]	89.0
1945	Jul. 18, 1945	1.76[3]	35.0
1946	Jun. 02, 1946	2.15[3]	87.0
1947	Aug. 19, 1947	1.89[3]	49.0
1948	Jul. 13, 1948	2.27[3]	110
1949	May 03, 1949	1.90[3]	51.6
1950	Aug. 20, 1950	1.96[3]	57.8
1951	Mar. 30, 1951	1.86[3]	47.9
1952	Jun. 04, 1952	2.08[3]	75.5
1953	Jul. 23, 1953	2.22[3]	84.5
1954	Sep. 11, 1954	2.56[3]	146
1955	Aug. 12, 1955	2.76[3]	191
1956	Jul. 21, 1956	2.42[3]	118
1957	Apr. 05, 1957	2.24[3]	87.2
1958	May 25, 1958	2.40[3]	115
1959	Jul. 11, 1959	2.46[3]	125
1960	Sep. 12, 1960	4.51[3]	346
1961	Jul. 31, 1961	3.06[3]	244
1962	Mar. 12, 1962	2.63[3]	163
1963	Nov. 10, 1962	2.62[3]	161
1964	Nov. 29, 1963	2.36[3]	112
1965	Dec. 04, 1964	2.14[3]	75.0
1966	Sep. 21, 1966	2.94[3]	229
1967	Dec. 29, 1966	2.69[3]	184
1968	Sep. 11, 1968	2.60[3]	157
1969	May 20, 1969	2.38[3]	114
1970	Feb. 03, 1970	2.54[3]	146

Water	Date	Gage	Strea

Year		Height (feet)	flow (cfs)
1974	Mar. 21, 1974	3.97	173
1975	Sep. 26, 1975	4.43	326
1976	Aug. 10, 1976		340
1977	Mar. 22, 1977	4.27	294
1978	Jan. 18, 1978	4.53	386
1979	Jan. 21, 1979	4.50	375
1980	Jul. 29, 1980	4.32	292
1981	Jul. 04, 1981	4.26	285
1982	May 29, 1982	4.44	351[D]
1983	Apr. 24, 1983	4.32	306
1984	Jun. 30, 1984	5.11	660
1985	Feb. 12, 1985	4.21	269
1986	Nov. 17, 1985	3.89	202
1987	Dec. 03, 1986	3.93	215
1988	May 18, 1988	3.92	212
1989	Jun. 09, 1989	4.36	369
1990	Oct. 20, 1989	4.49	421
1991	Aug. 19, 1991	4.23	319
1992	Aug. 17, 1992	4.33	357
1993	Apr. 01, 1993	4.12	280
1994	Jan. 28, 1994	5.28	866
1995	Jan. 20, 1995	3.91	208
1996	Jul. 31, 1996	4.60	471
1997	Oct. 19, 1996	4.81	578
1998	Jan. 23, 1998	4.39[2]	380
1999	Jan. 03, 1999	5.29	873

?

Peak Gage-Height Qualification Codes.

- 2 -- Gage height not the maximum for the year
- 3 -- Gage height at different site and(or) datum

?

Peak Streamflow Qualification Codes.

- 2 -- Discharge is an Estimate
- D -- Base Discharge changed during this year

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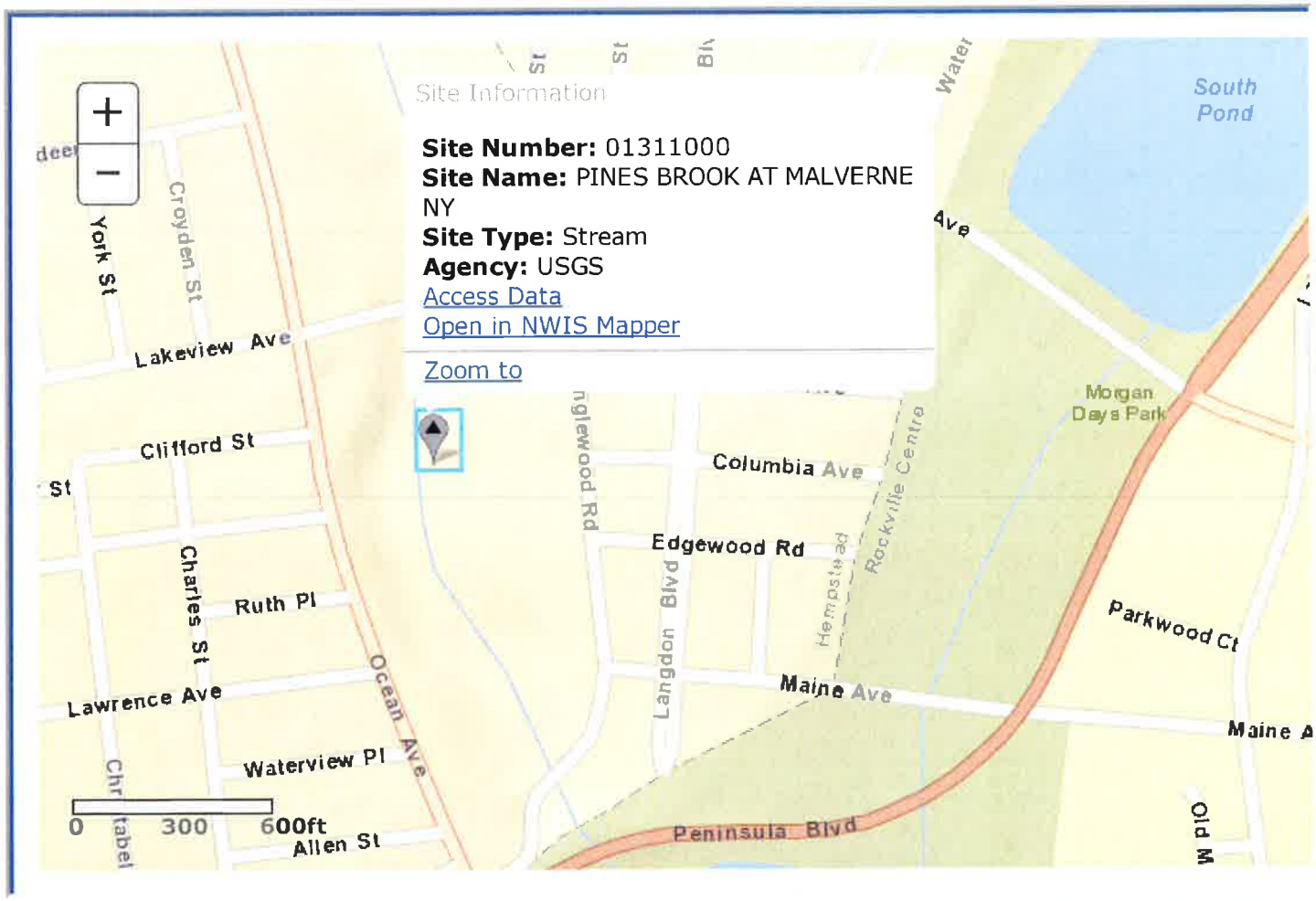
0.33 0.32 nadww01



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0.33 0.31 nadww02

Storm - Observed data from JFK Airport, Sunday, January 3, 1999

Time	Precip (in)	Cumulative Precip (in)
03Jan1999, 01:00	0	0
03Jan1999, 02:00	0	0
03Jan1999, 03:00	0	0
03Jan1999, 04:00	0	0
03Jan1999, 05:00	0	0
03Jan1999, 06:00	0	0
03Jan1999, 07:00	0.05	0.05
03Jan1999, 08:00	0.05	0.1
03Jan1999, 09:00	0.14	0.24
03Jan1999, 10:00	0.2	0.44
03Jan1999, 11:00	1.47	1.91
03Jan1999, 12:00	0.83	2.74
03Jan1999, 13:00	0.8	3.54
03Jan1999, 14:00	0.23	3.77
03Jan1999, 15:00	0.01	3.78
03Jan1999, 16:00	0	3.78
03Jan1999, 17:00	0	3.78
03Jan1999, 18:00	0	3.78
03Jan1999, 19:00	0	3.78
03Jan1999, 20:00	0	3.78
03Jan1999, 21:00	0	3.78
03Jan1999, 22:00	0	3.78
03Jan1999, 23:00	0	3.78
04Jan1999, 00:00	0	3.78

Project: hempstead lake
Simulation Run: 010 jan 99 storm Reservoir: Tanglewood

Start of Run:	03Jan1999, 00:00	Basin Model:	Hemp Lake separate r
End of Run:	04Jan1999, 00:15	Meteorologic Model:	Test Storm 1/3/1999
Compute Time:	02Sep2015, 10:59:18	Control Specifications:	Test Storm 1/3/1999

January 3, 1999 Pines Brook ORIGINAL CN

DATE	TIME	INFLOW (CFS)	STORAGE (AC-FT)	ELEVATION (FT)	OUTFLOW (CFS)
03Jan1999	00:00	0.0	14.8	5.4	508.0
03Jan1999	00:15	0.0	8.5	3.5	178.8
03Jan1999	00:30	0.0	5.9	2.8	83.4
03Jan1999	00:45	0.0	4.6	2.4	46.0
03Jan1999	01:00	0.0	3.9	2.2	28.5
03Jan1999	01:15	0.0	3.4	2.0	19.1
03Jan1999	01:30	0.0	3.1	1.9	13.5
03Jan1999	01:45	0.0	2.8	1.8	10.1
03Jan1999	02:00	0.0	2.6	1.8	7.7
03Jan1999	02:15	0.0	2.5	1.7	6.1
03Jan1999	02:30	0.0	2.4	1.7	4.9
03Jan1999	02:45	0.0	2.3	1.7	4.1
03Jan1999	03:00	0.0	2.2	1.7	3.4
03Jan1999	03:15	0.0	2.1	1.6	2.9
03Jan1999	03:30	0.0	2.1	1.6	2.5
03Jan1999	03:45	0.0	2.0	1.6	2.2
03Jan1999	04:00	0.0	2.0	1.6	1.9
03Jan1999	04:15	0.0	2.0	1.6	1.7
03Jan1999	04:30	0.0	1.9	1.6	1.5
03Jan1999	04:45	0.0	1.9	1.6	1.3
03Jan1999	05:00	0.0	1.9	1.6	1.2
03Jan1999	05:15	0.0	1.8	1.5	1.1
03Jan1999	05:30	0.0	1.8	1.5	1.0
03Jan1999	05:45	0.0	1.8	1.5	0.9
03Jan1999	06:00	0.0	1.8	1.5	0.8
03Jan1999	06:15	0.0	1.8	1.5	0.8
03Jan1999	06:30	0.0	1.8	1.5	0.7
03Jan1999	06:45	0.0	1.7	1.5	0.7
03Jan1999	07:00	0.0	1.7	1.5	0.6

DATE	TIME	INFLOW (CFS)	STORAGE (AC-FT)	ELEVATION (FT)	OUTFLOW (CFS)
03Jan1999	07:15	0.0	1.7	1.5	0.6
03Jan1999	07:30	0.0	1.7	1.5	0.5
03Jan1999	07:45	0.0	1.7	1.5	0.5
03Jan1999	08:00	0.0	1.7	1.5	0.5
03Jan1999	08:15	0.0	1.7	1.5	0.4
03Jan1999	08:30	0.0	1.7	1.5	0.4
03Jan1999	08:45	0.0	1.7	1.5	0.4
03Jan1999	09:00	0.0	1.6	1.5	0.4
03Jan1999	09:15	0.1	1.6	1.5	0.4
03Jan1999	09:30	0.3	1.6	1.5	0.4
03Jan1999	09:45	0.4	1.6	1.5	0.3
03Jan1999	10:00	0.7	1.6	1.5	0.4
03Jan1999	10:15	4.8	1.7	1.5	0.5
03Jan1999	10:30	26.9	2.0	1.6	1.9
03Jan1999	10:45	99.4	3.1	1.9	14.9
03Jan1999	11:00	286.0	6.1	2.8	88.4
03Jan1999	11:15	575.1	10.9	4.2	290.9
03Jan1999	11:30	877.0	16.2	5.8	597.2
03Jan1999	11:45	1133.4	20.8	7.2	893.3
03Jan1999	12:00	1330.7	25.6	8.3	1065.4
03Jan1999	12:15	1470.4	31.1	9.2	1191.5
03Jan1999	12:30	1560.8	36.5	10.1	1304.1
03Jan1999	12:45	1618.6	41.7	10.6	1369.7
03Jan1999	13:00	1656.4	46.5	11.0	1431.2
03Jan1999	13:15	1647.7	50.6	11.4	1481.6
03Jan1999	13:30	1554.2	52.7	11.6	1508.8
03Jan1999	13:45	1405.8	52.2	11.6	1502.2
03Jan1999	14:00	1243.1	49.0	11.3	1461.6
03Jan1999	14:15	1076.7	43.5	10.7	1392.8
03Jan1999	14:30	902.6	36.1	10.0	1299.8
03Jan1999	14:45	732.9	28.1	8.7	1122.7
03Jan1999	15:00	583.3	20.7	7.2	892.5
03Jan1999	15:15	457.8	16.5	5.9	615.3
03Jan1999	15:30	355.6	14.1	5.2	464.7
03Jan1999	15:45	273.3	12.2	4.6	360.6

DATE	TIME	INFLOW (CFS)	STORAGE (AC-FT)	ELEVATION (FT)	OUTFLOW (CFS)
03Jan1999	16:00	208.1	10.7	4.2	281.3
03Jan1999	16:15	157.3	9.4	3.8	219.3
03Jan1999	16:30	117.9	8.3	3.5	170.6
03Jan1999	16:45	88.0	7.3	3.2	132.6
03Jan1999	17:00	65.3	6.5	2.9	103.1
03Jan1999	17:15	47.5	5.8	2.7	79.9
03Jan1999	17:30	33.9	5.2	2.5	61.7
03Jan1999	17:45	23.9	4.7	2.4	47.6
03Jan1999	18:00	16.7	4.2	2.3	36.7
03Jan1999	18:15	11.4	3.9	2.2	28.4
03Jan1999	18:30	7.7	3.5	2.1	22.0
03Jan1999	18:45	5.3	3.3	2.0	17.2
03Jan1999	19:00	3.8	3.1	1.9	13.6
03Jan1999	19:15	2.9	2.9	1.9	10.9
03Jan1999	19:30	2.3	2.7	1.8	8.9
03Jan1999	19:45	1.9	2.6	1.8	7.4
03Jan1999	20:00	1.5	2.5	1.7	6.2
03Jan1999	20:15	1.3	2.4	1.7	5.3
03Jan1999	20:30	1.1	2.3	1.7	4.5
03Jan1999	20:45	0.9	2.3	1.7	3.9
03Jan1999	21:00	0.8	2.2	1.7	3.4
03Jan1999	21:15	0.7	2.2	1.6	3.0
03Jan1999	21:30	0.6	2.1	1.6	2.7
03Jan1999	21:45	0.5	2.1	1.6	2.4
03Jan1999	22:00	0.4	2.0	1.6	2.1
03Jan1999	22:15	0.3	2.0	1.6	1.9
03Jan1999	22:30	0.3	2.0	1.6	1.7
03Jan1999	22:45	0.3	1.9	1.6	1.6
03Jan1999	23:00	0.2	1.9	1.6	1.4
03Jan1999	23:15	0.2	1.9	1.6	1.3
03Jan1999	23:30	0.2	1.9	1.6	1.2
03Jan1999	23:45	0.2	1.8	1.5	1.1
04Jan1999	00:00	0.2	1.8	1.5	1.0
04Jan1999	00:15	0.1	1.8	1.5	0.9

Project: hempstead lake
Simulation Run: 010 jan 99 storm Reservoir: Tanglewood

Start of Run:	03Jan1999, 00:00	Basin Model:	Hemp Lake separate n
End of Run:	04Jan1999, 00:15	Meteorologic Model:	Test Storm 1/3/1999
Compute Time:	02Sep2015, 10:31:06	Control Specifications:	Test Storm 1/3/1999

January 3, 1999 Pines Brook ADJUSTED CN

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
03Jan1999	00:00	0.0	14.8	5.4	508.0
03Jan1999	00:15	0.0	8.5	3.5	178.8
03Jan1999	00:30	0.0	5.9	2.8	83.4
03Jan1999	00:45	0.0	4.6	2.4	46.0
03Jan1999	01:00	0.0	3.9	2.2	28.5
03Jan1999	01:15	0.0	3.4	2.0	19.1
03Jan1999	01:30	0.0	3.1	1.9	13.5
03Jan1999	01:45	0.0	2.8	1.8	10.1
03Jan1999	02:00	0.0	2.6	1.8	7.7
03Jan1999	02:15	0.0	2.5	1.7	6.1
03Jan1999	02:30	0.0	2.4	1.7	4.9
03Jan1999	02:45	0.0	2.3	1.7	4.1
03Jan1999	03:00	0.0	2.2	1.7	3.4
03Jan1999	03:15	0.0	2.1	1.6	2.9
03Jan1999	03:30	0.0	2.1	1.6	2.5
03Jan1999	03:45	0.0	2.0	1.6	2.2
03Jan1999	04:00	0.0	2.0	1.6	1.9
03Jan1999	04:15	0.0	2.0	1.6	1.7
03Jan1999	04:30	0.0	1.9	1.6	1.5
03Jan1999	04:45	0.0	1.9	1.6	1.3
03Jan1999	05:00	0.0	1.9	1.6	1.2
03Jan1999	05:15	0.0	1.8	1.5	1.1
03Jan1999	05:30	0.0	1.8	1.5	1.0
03Jan1999	05:45	0.0	1.8	1.5	0.9
03Jan1999	06:00	0.0	1.8	1.5	0.8
03Jan1999	06:15	0.0	1.8	1.5	0.8
03Jan1999	06:30	0.0	1.8	1.5	0.7
03Jan1999	06:45	0.0	1.7	1.5	0.7
03Jan1999	07:00	0.0	1.7	1.5	0.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
03Jan1999	07:15	0.0	1.7	1.5	0.6
03Jan1999	07:30	0.0	1.7	1.5	0.5
03Jan1999	07:45	0.0	1.7	1.5	0.5
03Jan1999	08:00	0.0	1.7	1.5	0.5
03Jan1999	08:15	0.0	1.7	1.5	0.4
03Jan1999	08:30	0.0	1.7	1.5	0.4
03Jan1999	08:45	0.0	1.7	1.5	0.4
03Jan1999	09:00	0.0	1.6	1.5	0.4
03Jan1999	09:15	0.0	1.6	1.5	0.4
03Jan1999	09:30	0.0	1.6	1.5	0.3
03Jan1999	09:45	0.0	1.6	1.5	0.3
03Jan1999	10:00	0.0	1.6	1.5	0.3
03Jan1999	10:15	0.7	1.6	1.5	0.3
03Jan1999	10:30	4.9	1.7	1.5	0.4
03Jan1999	10:45	23.6	1.9	1.6	1.6
03Jan1999	11:00	79.9	2.9	1.9	11.1
03Jan1999	11:15	204.0	5.1	2.5	59.2
03Jan1999	11:30	377.9	8.5	3.5	182.6
03Jan1999	11:45	568.1	12.4	4.7	369.4
03Jan1999	12:00	750.0	15.9	5.7	575.3
03Jan1999	12:15	906.4	18.7	6.6	766.2
03Jan1999	12:30	1030.9	21.1	7.3	909.0
03Jan1999	12:45	1128.6	23.4	8.0	1012.1
03Jan1999	13:00	1206.8	25.9	8.4	1073.5
03Jan1999	13:15	1243.8	28.4	8.8	1130.8
03Jan1999	13:30	1205.5	30.0	9.1	1167.2
03Jan1999	13:45	1112.2	29.8	9.0	1163.5
03Jan1999	14:00	999.9	28.1	8.7	1122.2
03Jan1999	14:15	878.3	25.0	8.2	1052.4
03Jan1999	14:30	745.8	21.4	7.4	923.4
03Jan1999	14:45	613.3	18.4	6.5	744.5
03Jan1999	15:00	493.4	16.3	5.8	601.3
03Jan1999	15:15	391.3	14.4	5.3	485.5
03Jan1999	15:30	307.0	12.7	4.8	390.0
03Jan1999	15:45	238.2	11.3	4.4	311.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
03Jan1999	16:00	182.9	10.0	4.0	246.4
03Jan1999	16:15	139.3	8.8	3.6	194.2
03Jan1999	16:30	105.3	7.8	3.3	152.6
03Jan1999	16:45	79.2	7.0	3.1	119.6
03Jan1999	17:00	59.2	6.2	2.9	93.6
03Jan1999	17:15	43.4	5.6	2.7	73.1
03Jan1999	17:30	31.3	5.0	2.5	56.9
03Jan1999	17:45	22.3	4.6	2.4	44.3
03Jan1999	18:00	15.7	4.1	2.2	34.4
03Jan1999	18:15	10.8	3.8	2.1	26.8
03Jan1999	18:30	7.4	3.5	2.0	20.9
03Jan1999	18:45	5.1	3.2	2.0	16.4
03Jan1999	19:00	3.8	3.0	1.9	13.1
03Jan1999	19:15	2.9	2.8	1.8	10.6
03Jan1999	19:30	2.3	2.7	1.8	8.7
03Jan1999	19:45	1.9	2.6	1.8	7.2
03Jan1999	20:00	1.5	2.5	1.7	6.1
03Jan1999	20:15	1.3	2.4	1.7	5.2
03Jan1999	20:30	1.1	2.3	1.7	4.5
03Jan1999	20:45	0.9	2.3	1.7	3.9
03Jan1999	21:00	0.8	2.2	1.7	3.4
03Jan1999	21:15	0.7	2.1	1.6	3.0
03Jan1999	21:30	0.6	2.1	1.6	2.6
03Jan1999	21:45	0.5	2.1	1.6	2.4
03Jan1999	22:00	0.4	2.0	1.6	2.1
03Jan1999	22:15	0.3	2.0	1.6	1.9
03Jan1999	22:30	0.3	2.0	1.6	1.7
03Jan1999	22:45	0.3	1.9	1.6	1.6
03Jan1999	23:00	0.2	1.9	1.6	1.4
03Jan1999	23:15	0.2	1.9	1.6	1.3
03Jan1999	23:30	0.2	1.9	1.6	1.2
03Jan1999	23:45	0.2	1.8	1.5	1.1
04Jan1999	00:00	0.2	1.8	1.5	1.0
04Jan1999	00:15	0.1	1.8	1.5	0.9

0131079450 HEMPSTEAD LAKE AT HEMPSTEAD, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°40′22″, long 73°38′49″ referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, on left side of north face of outlet structure in Hempstead Lake State Park, in West Hempstead.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2003 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 23.51 ft, Apr. 19, 2005; minimum observed, 20.44 ft, May 13, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 22.42 ft, Nov. 3; minimum observed, 21.55 ft, Apr. 5.

WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Water level	Date	Water level
Nov 3	22.42	May 4	22.22
Dec 8	21.78	Jun 8	22.30
Jan 5	22.34	Jul 3	21.99
Feb 10	22.11	25	22.37
Mar 8	21.67	Sep 7	21.56
Apr 5	21.55		

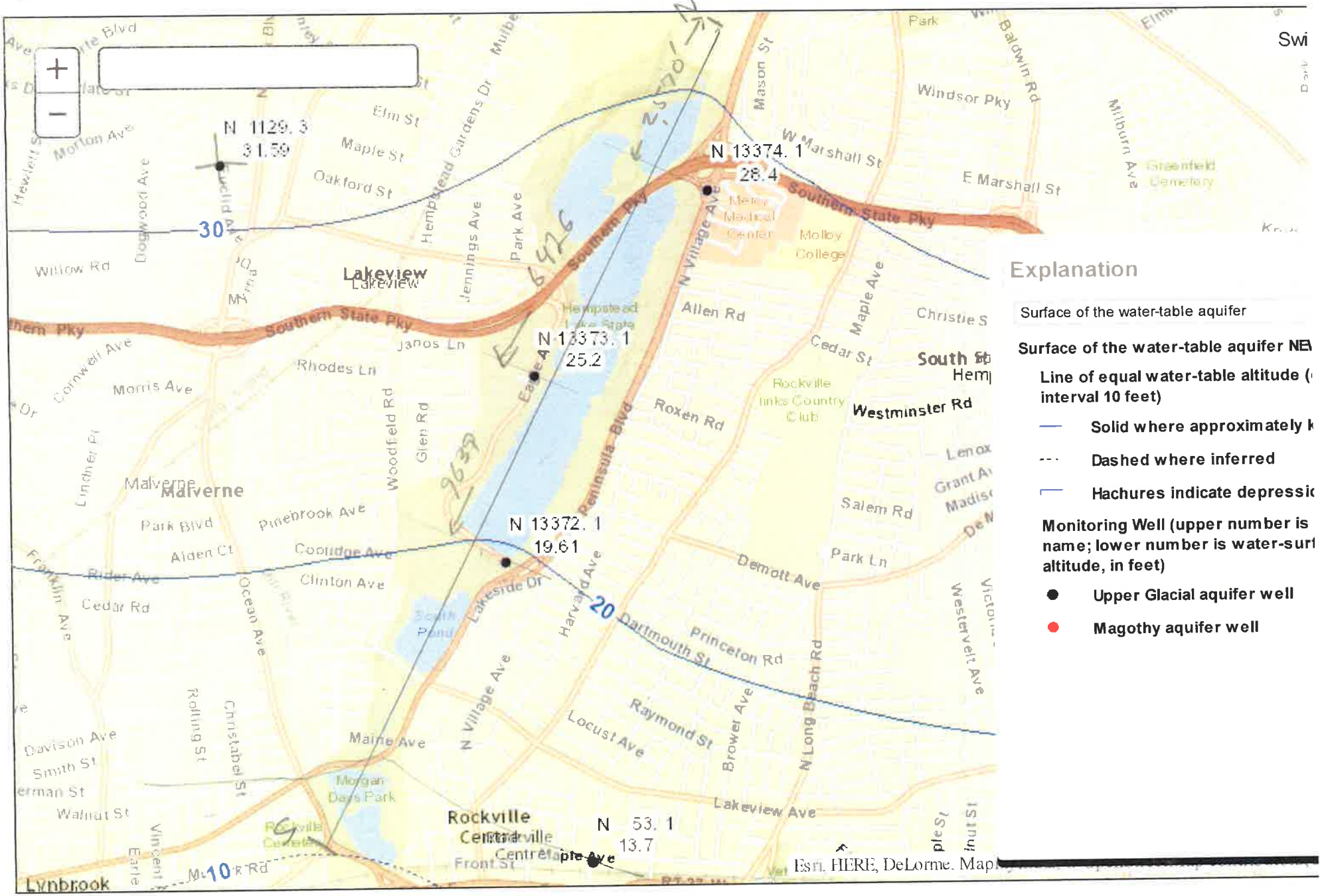
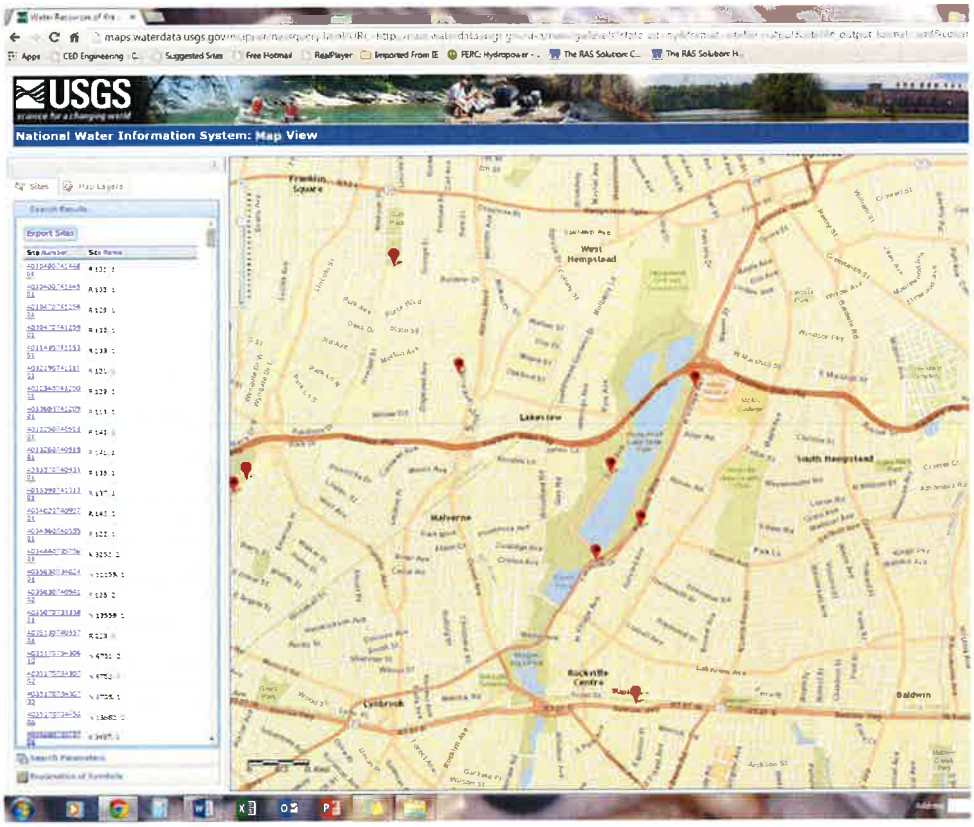


FIG. 1 - BASE MAP (SHOWING PROJECT LOCATION: LOCATION OF CROSS-SECTION)

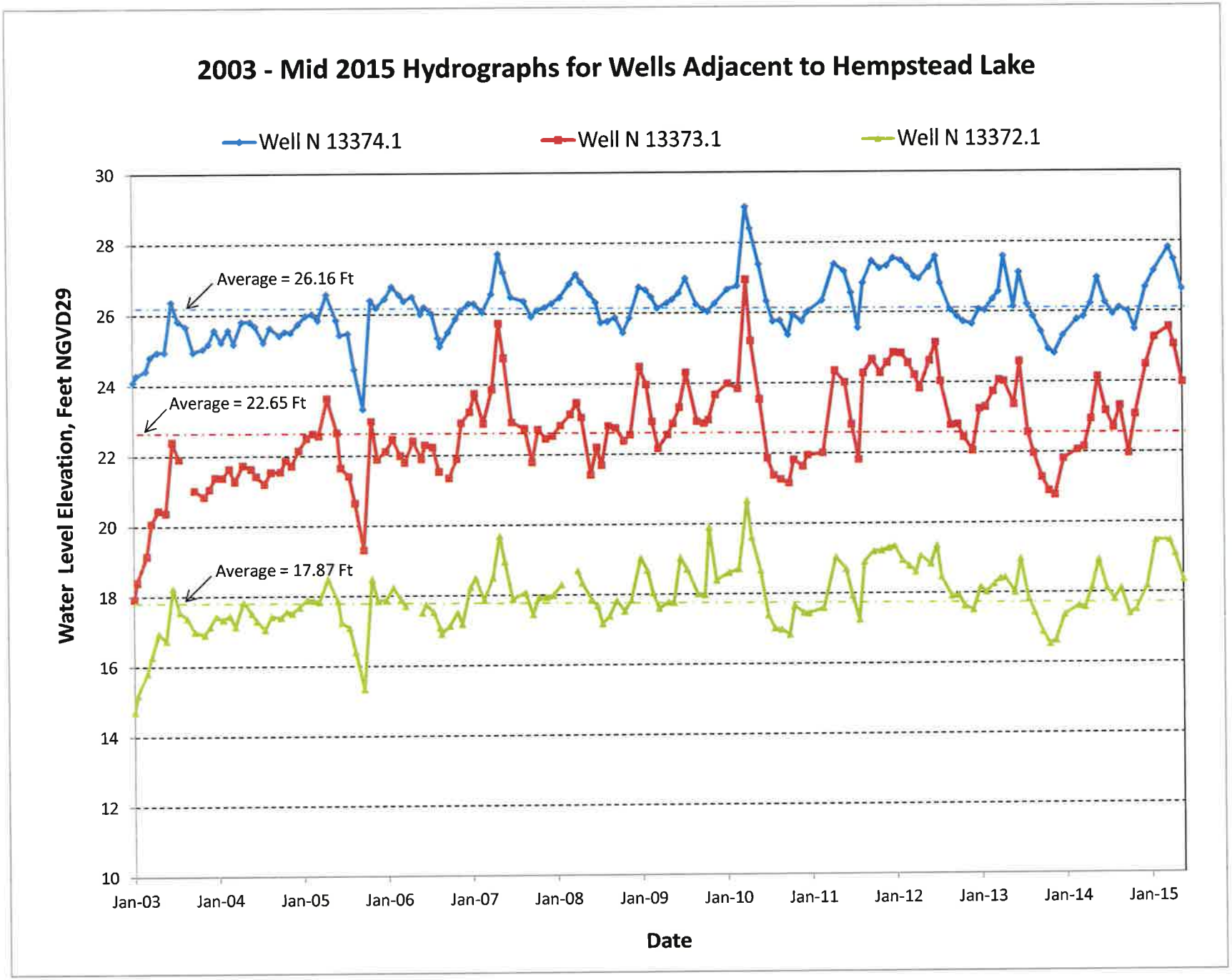


Lower right side well name: N11166.1 site no: 404031073382701

Bottom well name: N13372.1 site no: 404019073384601

Left side well name: N13373.1 site no: 404050073384001

Top right well name: N13374.1 site: 404119073380201


2003 - Mid 2015 Hydrographs for Wells Adjacent to Hempstead Lake
Well N 13374.1
Well N 13373.1
Well N 13372.1
Average = 26.16 Ft
Average = 22.65 Ft
Average = 17.87 Ft
Water Level Elevation, Feet NGVD29
30
28
26
24
22
20
18
16
14
12
10
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Date

USGS
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Groundwater Watch

Site Number: 404019073384601 - N 13372. 1

DESCRIPTION:

Latitude 40°40'19.7", Longitude 73°38'45.8" NAD83
Nassau County, New York, Hydrologic Unit 02030202
Well depth: 33.6 feet
Hole depth: 35 feet
Land surface altitude: 36.29feet above NGVD29.
Well completed in "Northern Atlantic Coastal Plain aquifer system" (S100NATLCP) national aquifer.
Well completed in "Glacial Aquifer, Upper" (112GLCLU) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	2002-12-30	2015-05-21	148
Field/Lab water-quality samples			

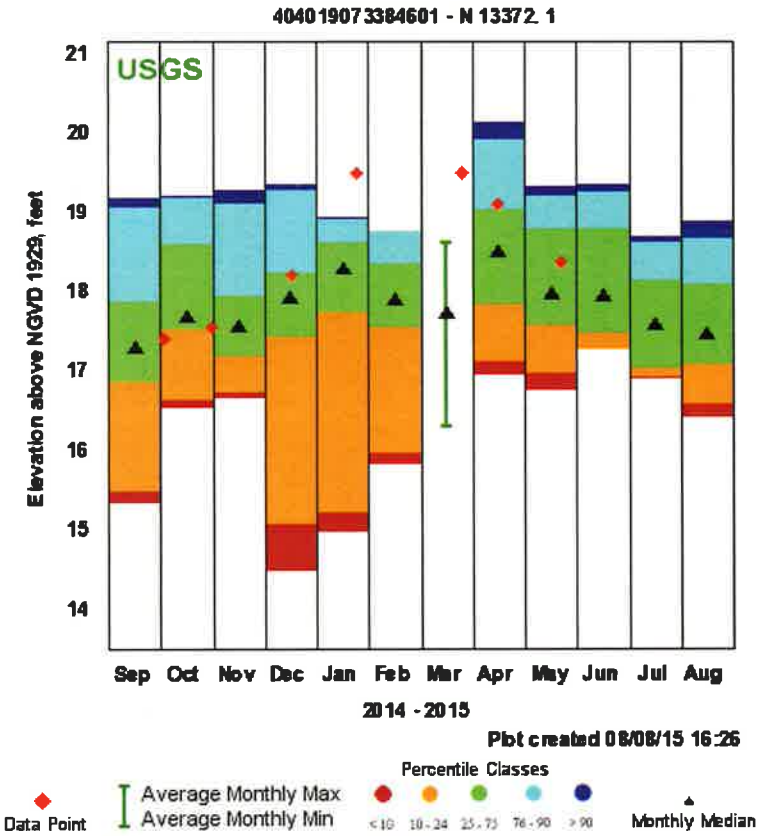
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	2002	2015	148
Annual Water-Data Report (pdf) **offsite**	2005	2011	7

OPERATION:

Record for this site is maintained by the USGS New York Water Science Center
Email questions about this site toNew York Water Science Center Water-Data Inquiries

Groundwater Watch Help Page

Site Statistics



Most recent data value: 18.36 on 5/21/2015
Period of Record Monthly Statistics for 404019073384601
Elevation above NGVD 1929, feet
All Approved Continuous & Periodic Data Used In Analysis
Note: Highlighted values in the table indicate closest statistic to the most recent data value.

Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	14.96	15.20	17.76	18.27	18.63	18.92	18.94	10
Feb	15.82	15.98	17.56	17.88	18.37	18.77	18.78	10
Mar	16.29	-	-	-	-	-	18.61	8
Apr	16.94	17.11	17.84	18.49	19.04	19.93	20.14	11
May	16.74	16.97	17.58	17.95	18.80	19.21	19.33	12
Jun	17.25	17.27	17.47	17.92	18.80	19.26	19.36	12
Jul	16.90	16.93	17.03	17.55	18.15	18.63	18.70	12
Aug	16.41	16.58	17.10	17.44	18.08	18.67	18.90	12
Sep	15.34	15.49	16.88	17.27	17.86	19.07	19.20	10
Oct	16.53	16.63	17.53	17.65	18.61	19.19	19.22	10
Nov	16.64	16.72	17.18	17.52	17.94	19.11	19.29	11
Dec	14.48	15.06	17.44	17.89	18.24	19.29	19.35	11

As of 8/15/2015 02:56-2

Statistics Options

View month/year statistics

Periodic Groundwater Data

Summary for Period of Record Periodic Water Levels
Elevation above NGVD 1929, feet
Approved Periodic Water Level Values

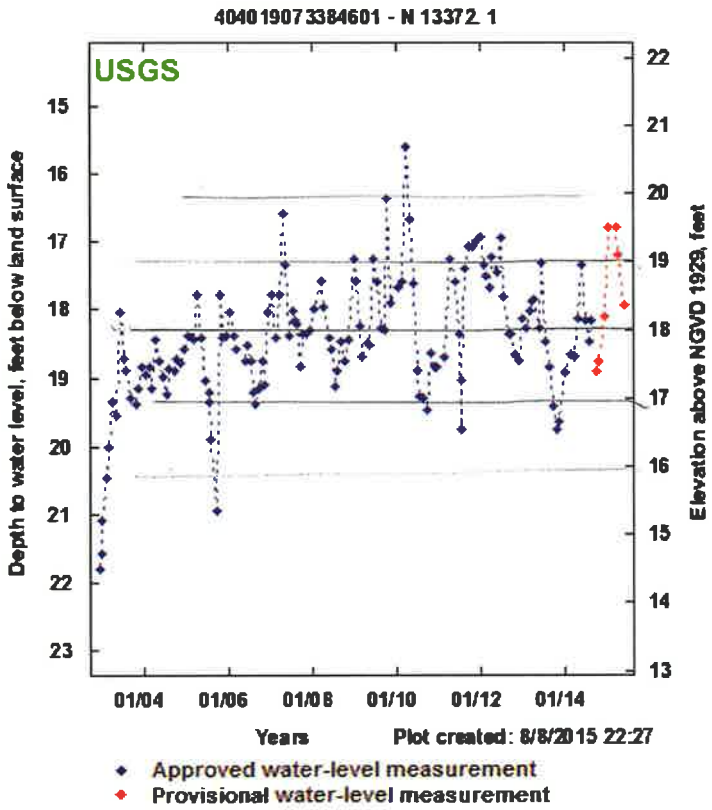
Begin Date	End Date	Number of Values
12/30/02	05/21/15	148

Lowest WL	Date of Lowest WL	Highest WL	Date of Highest WL
14.48	12/30/02	20.67	04/01/10

Groundwater Levels Options

USGS View latest data on NWISWeb

Download Groundwater levels in text format



Return to Groundwater Watch | Return to County Page | Return to State Page

*References to non-Department of the Interior (DOI) products do not constitute an endorsement by the DOI.

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Data Category: Groundwater | Geographic Area: United States | GO

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Search Results -- 1 sites found

site_no list =

- 404050073384001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

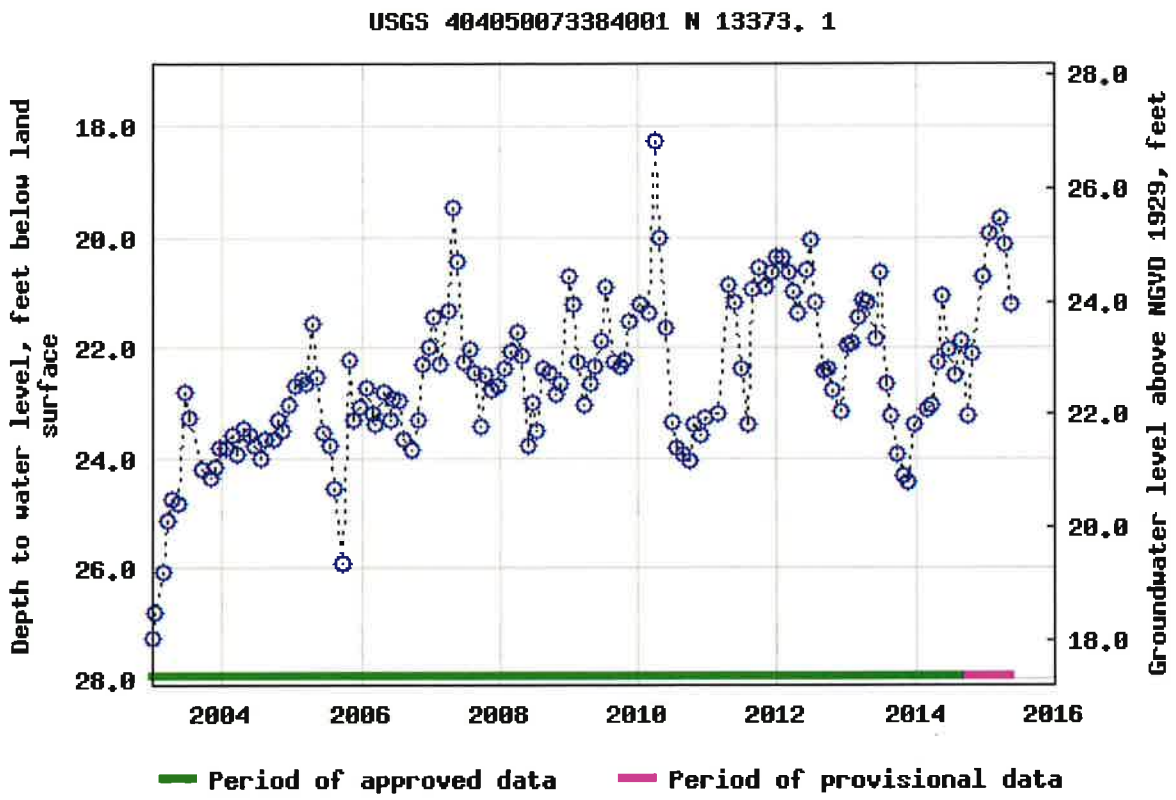
USGS 404050073384001 N 13373. 1

Available data for this site | Groundwater: Field measurements | GO

Nassau County, New York
Hydrologic Unit Code 02030202
Latitude 40°40'49.8", Longitude 73°38'39.1" NAD83
Land-surface elevation 45.2 feet above NGVD29
The depth of the well is 44.8 feet below land surface.
The depth of the hole is 45 feet below land surface.
This well is completed in the Northern Atlantic Coastal Plain aquifer system (S100NATLCP) national aquifer.
This well is completed in the Glacial Aquifer, Upper (112GLCLU) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels
URL: http://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2015-08-24 17:31:21 EDT
0.61 0.51 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater ▼ Geographic Area: United States ▼ GO

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Search Results -- 1 sites found

site_no list =

- 404119073380201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

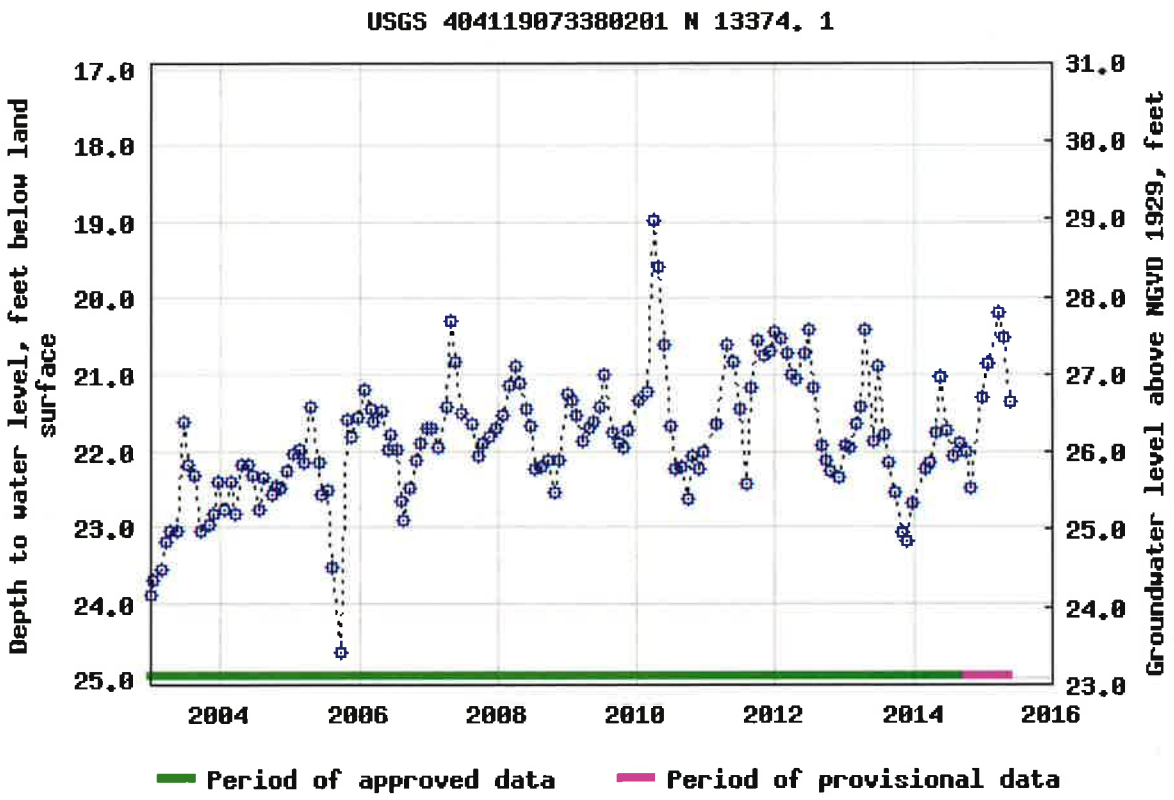
USGS 404119073380201 N 13374. 1

Available data for this site Groundwater: Field measurements ▼ GO

Nassau County, New York
Hydrologic Unit Code 02030202
Latitude 40°41'19.7", Longitude 73°38'00.7" NAD83
Land-surface elevation 48.0 feet above NGVD29
The depth of the well is 45 feet below land surface.
The depth of the hole is 45 feet below land surface.
This well is completed in the Northern Atlantic Coastal Plain aquifer system (S100NATLCP) national aquifer.
This well is completed in the Glacial Aquifer, Upper (112GLCLU) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: http://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2015-08-24 17:33:13 EDT
0.58 0.53 nadww02

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 404119073380201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 404119073380201 N 13374. 1

Nassau County, New York
Latitude 40°41'19.7", Longitude 73°38'00.7" NAD83
Land-surface elevation 48.0 feet above NGVD29
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This well is completed in the Glacial Aquifer, Upper (112GLCLU) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source measur
2003-01-03	09:34 EST	m		24.11	NGVD29	2		S	USGS	
2003-01-16	13:20 EST	m		24.29	NGVD29	2		S	USGS	
2003-02-27	14:40 EST	m		24.43	NGVD29	2		S	USGS	
2003-03-19	17:20 EST	m		24.81	NGVD29	2		S	USGS	
2003-04-18	12:55 EST	m		24.95	NGVD29	2		S	USGS	
2003-05-21	13:54 EST	m		24.95	NGVD29	2		S	USGS	
2003-06-19	10:42 EST	m		26.37	NGVD29	2		S	USGS	
2003-07-18	13:06 EST	m		25.83	NGVD29	2		S	USGS	
2003-08-20	10:07 EST	m		25.68	NGVD29	2		S	USGS	
2003-09-22	11:47 EST	m		24.95	NGVD29	2		S	USGS	
2003-11-03	10:38 EST	m		25.04	NGVD29	2		S	USGS	
2003-11-26	13:01 EST	m		25.18	NGVD29	2		S	USGS	
2003-12-22	13:12 EST	m		25.58	NGVD29	2		S	USGS	
2004-01-22	12:15 EST	m		25.23	NGVD29	2		S	USGS	
2004-02-20	12:38 EST	m		25.58	NGVD29	2		S	USGS	
2004-03-15	07:33 EST	m		25.18	NGVD29	2		S	USGS	
2004-04-19	11:33 EST	m		25.81	NGVD29	2		S	USGS	

2004-05-25 09:55 EST	m	25.81	NGVD29	2	S	USGS
2004-06-15 12:48 EST	m	25.69	NGVD29	2	S	USGS
2004-07-21 09:40 EST	m	25.22	NGVD29	2	S	USGS
2004-08-18 12:16 EST	m	25.64	NGVD29	2	S	USGS
2004-09-29 09:55 EST	m	25.42	NGVD29	2	S	USGS
2004-10-22 07:56 EST	m	25.53	NGVD29	2	S	USGS
2004-11-16 12:23 EST	m	25.50	NGVD29	2	S	USGS
2004-12-17 11:10 EST	m	25.74	NGVD29	2	S	USGS
2005-01-20 10:25 EST	m	25.97	NGVD29	2	S	USGS
2005-02-17 13:20 EST	m	26.02	NGVD29	2	S	USGS
2005-03-14 12:05 EST	m	25.85	NGVD29	2	S	USGS
2005-04-20 09:27 EST	m	26.58	NGVD29	2	S	USGS
2005-06-01 09:24 EST	m	25.85	NGVD29	2	S	USGS
2005-06-16 11:53 EST	m	25.43	NGVD29	2	S	USGS
2005-07-21 10:30 EST	m	25.47	NGVD29	2	S	USGS
2005-08-16 10:20 EST	m	24.46	NGVD29	2	S	USGS
2005-09-22 13:35 EST	m	23.33	NGVD29	2	S	USGS
2005-10-27 12:38 EST	m	26.41	NGVD29	2	S	USGS
2005-11-21 13:20 EST	m	26.19	NGVD29	2	S	USGS
2005-12-28 11:35 EST	m	26.45	NGVD29	2	S	USGS
2006-01-27 11:43 EST	m	26.79	NGVD29	2	S	USGS
2006-03-01 11:52 EST	m	26.56	NGVD29	2	S	USGS
2006-03-20 15:45 EST	m	26.38	NGVD29	2	S	USGS
2006-04-25 11:16 EST	m	26.51	NGVD29	2	S	USGS
2006-05-31 11:05 EST	m	26.01	NGVD29	2	S	USGS
2006-06-16 09:15 EST	m	26.20	NGVD29	2	S	USGS
2006-07-19 10:38 EST	m	26.01	NGVD29	2	S	USGS
2006-08-15 11:25 EST	m	25.33	NGVD29	2	S	USGS
2006-08-22 13:45 EST	m	25.09	NGVD29	2	T	USGS
2006-09-27 11:22 EST	m	25.50	NGVD29	2	S	USGS
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2006-11-20 12:39 EST	m	26.10	NGVD29	2	S	USGS
2006-12-26 09:42 EST	m	26.30	NGVD29	2	S	USGS
2007-01-17 11:07 EST	m	26.30	NGVD29	2	S	USGS
2007-02-23 13:18 EST	m	26.05	NGVD29	2	S	USGS
2007-04-02 07:52 EST	m	26.57	NGVD29	2	S	USGS
2007-05-02 08:50 EST	m	27.71	NGVD29	2	S	USGS
2007-05-23 10:31 EST	m	27.18	NGVD29	2	S	USGS
2007-06-26 14:27 EST	m	26.48	NGVD29	2	S	USGS
2007-08-20 11:41 EST	m	26.36	NGVD29	2	S	USGS
2007-09-21 09:40 EST	m	25.92	NGVD29	2	S	USGS
2007-10-17 12:55 EST	m	26.10	NGVD29	2	S	USGS
2007-11-19 11:33 EST	m	26.18	NGVD29	2	S	USGS
2007-12-18 12:26 EST	m	26.29	NGVD29	2	S	USGS
2008-01-22 12:20 EST	m	26.46	NGVD29	2	S	USGS
2008-03-04 12:39 EST	m	26.85	NGVD29	2	S	USGS
2008-04-01 10:48 EST	m	27.12	NGVD29	2	S	USGS
2008-04-21 10:26 EST	m	26.90	NGVD29	2	S	USGS
2008-05-30 12:58 EST	m	26.55	NGVD29	2	S	USGS
2008-06-25 12:07 EST	m	26.32	NGVD29	2	S	USGS
2008-07-16 13:05 EST	m	25.75	NGVD29	2	S	USGS
2008-08-15 13:19 EST	m	25.78	NGVD29	2	S	USGS
2008-09-16 12:10 EST	m	25.88	NGVD29	2	S	USGS
2008-10-20 12:44 EST	m	25.46	NGVD29	2	S	USGS
2008-11-17 14:50 EST	m	25.87	NGVD29	2	S	USGS
2008-12-29 12:54 EST	m	26.75	NGVD29	2	S	USGS

2009-01-26	14:59 EST	m	26.67	NGVD29	2	S	USGS
2009-02-19	13:15 EST	m	26.47	NGVD29	2	S	USGS
2009-03-17	13:49 EST	m	26.14	NGVD29	2	S	USGS
2009-04-27	10:50 EST	m	26.29	NGVD29	2	S	USGS
2009-05-20	13:08 EST	m	26.39	NGVD29	2	S	USGS
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2009-07-16	14:06 EST	m	26.99	NGVD29	2	S	USGS
2009-08-31	11:49 EST	m	26.25	NGVD29	2	S	USGS
2009-10-01	12:50 EST	m	26.10	NGVD29	2	S	USGS
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2010-12-20	12:23 EST	m	26.00	NGVD29	2	S	USGS
2011-02-24	12:27 EST	m	26.34	NGVD29	2	S	USGS
2011-04-18	11:34 EST	m	27.38	NGVD29	2	S	USGS
2011-05-31	12:26 EST	m	27.17	NGVD29	2	S	USGS
2011-06-28	10:45 EST	m	26.56	NGVD29	2	S	USGS
2011-07-28	10:38 EST	m	25.57	NGVD29	2	S	USGS
2011-08-19	09:20 EST	m	26.84	NGVD29	2	S	USGS
2011-09-27	10:07 EST	m	27.46	NGVD29	2	S	USGS
2011-10-31	08:40 EST	m	27.25	NGVD29	2	S	USGS
2011-11-30	13:16 EST	m	27.32	NGVD29	2	S	USGS
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2012-02-28	10:41 EST	m	27.28	NGVD29	2	S	USGS
2012-03-27	10:15 EST	m	27.01	NGVD29	2	S	USGS
2012-04-17	13:06 EST	m	26.95	NGVD29	2	S	USGS
2012-05-30	12:08 EST	m	27.28	NGVD29	2	S	USGS
2012-06-26	10:14 EST	m	27.59	NGVD29	2	S	USGS
2012-07-16	09:16 EST	m	26.82	NGVD29	2	S	USGS
2012-08-29	10:54 EST	m	26.06	NGVD29	2	S	USGS
2012-09-28	11:22 EST	m	25.87	NGVD29	2	S	USGS
2012-10-23	10:47 EST	m	25.73	NGVD29	2	S	USGS
2012-11-30	08:33 EST	m	25.66	NGVD29	2	S	USGS
2012-12-31	09:26 EST	m	26.07	NGVD29	2	S	USGS
2013-01-25	09:34 EST	m	26.04	NGVD29	2	S	USGS
2013-02-28	12:05 EST	m	26.36	NGVD29	2	S	USGS
2013-03-25	09:12 EST	m	26.57	NGVD29	2	S	USGS
2013-04-15	11:37 EST	m	27.59	NGVD29	2	S	USGS
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2013-07-26	07:58 EST	m	26.21	NGVD29	2	S	USGS
2013-08-20	10:52 EST	m	25.86	NGVD29	2	S	USGS
2013-09-24	09:28 EST	m	25.44	NGVD29	2	S	USGS
2013-10-24	08:24 EST	m	24.93	NGVD29	2	S	USGS
2013-11-19	11:20 EST	m	24.81	NGVD29	2	S	USGS

2013-12-26 13:19 EST	m	25.32	NGVD29	2	S	USGS
2014-02-24 14:40 EST	m	25.77	NGVD29	2	S	USGS
2014-03-25 12:41 EST	m	25.85	NGVD29	2	S	USGS
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2014-05-23 11:07 EST	m	26.96	NGVD29	2	S	USGS
2014-06-26 11:55 EST	m	26.26	NGVD29	2	S	USGS
2014-07-29 12:00 EST	m	25.93	NGVD29	2	S	USGS
2014-08-26 13:01 EST	m	26.11	NGVD29	2	S	USGS
2014-10-02 11:23 EST	m	26.00	NGVD29	2	S	USGS
2014-10-30 13:15 EST	m	25.50	NGVD29	2	S	USGS
2014-12-16 13:18 EST	m	26.69	NGVD29	2	S	USGS
2015-01-22 12:18 EST	m	27.15	NGVD29	2	S	USGS
2015-03-25 11:52 EST	m	27.82	NGVD29	2	S	USGS
2015-04-15 13:42 EST	m	27.48	NGVD29	2	S	USGS
2015-05-21 11:50 EST	m	26.64	NGVD29	2	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	m	Date is accurate to the Minute
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	T	Electric-tape measurement.
Measuring agency	USGS	US GEOLOGICAL SURVEY
Source of measurement	O	Reported by owner of well.
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.
Water-level approval status	P	Provisional data subject to revision.

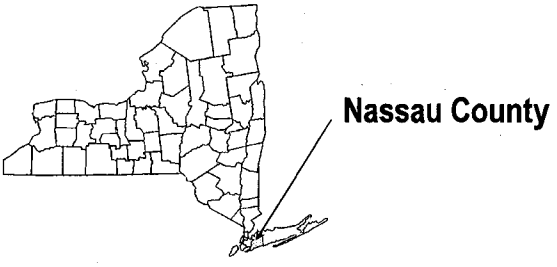
USGS Streamflow Data - Water Year Summaries

W Year Oct to Sep	Year Avg	Water Yr Rank	Oct-Dec Autumn	Autumn Rank	Jan-Mar Winter	Winter Rank	Apr-Jun Spring	Spring Rank	Jul-Sep Summer	Summer Rank
2005-06	H	1	MAN	3	AN	8	AN	18	MAN	3
2006-07	MAN	6	MAN	4	AN	9	N	20	N	52
2007-08	AN	11	AN	17	H	1	BN	67	AN	14
2008-09	N	30	AN	19	N	36	BN	63	MAN	8
2009-10	N	56	N	32	N	33	MBN	75	N	42
2010-11	H	1	MAN	7	AN	11	MAN	2	H	1
2011-12	N	43	AN	9	N	45	MBN	79	BN	69
2012-13	N	23	N	40	N	52	N	29	AN	11

LEGEND		RANGE
H	highest	1
MAN	much above normal	2 - 7
AN	above normal	8 - 19
N	normal	20 - 58
BN	below normal	59 - 70
MBN	much below normal	71 - 76
L	lowest	77

FLOOD INSURANCE STUDY

NASSAU COUNTY, NEW YORK
(ALL JURISDICTIONS)



COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER
ATLANTIC BEACH, VILLAGE OF	360458	ISLAND PARK, VILLAGE OF	360471	PLANDOME, VILLAGE OF	360484
BAXTER ESTATES, VILLAGE OF	360459	KENSINGTON, VILLAGE OF	360472	PLANDOME HEIGHTS, VILLAGE OF	360485
BAYVILLE, VILLAGE OF	360988	KINGS POINT, VILLAGE OF	360473	PLANDOME MANOR, VILLAGE OF	360486
BELLEROSE, VILLAGE OF[1]	361625	LAKE SUCCESS, VILLAGE OF[1]	361582	PORT WASHINGTON NORTH, VILLAGE OF	361562
BROOKVILLE, VILLAGE OF[1]	361626	LATTINGTOWN, VILLAGE OF	360474	ROCKVILLE CENTRE, VILLAGE OF	360488
CEDARHURST, VILLAGE OF	360460	LAUREL HOLLOW, VILLAGE OF	360475	ROSLYN, VILLAGE OF	360489
CENTRE ISLAND, VILLAGE OF	360461	LAWRENCE, VILLAGE OF	360476	ROSLYN ESTATES, VILLAGE OF[1]	361640
COVE NECK, VILLAGE OF	360462	LONG BEACH, CITY OF	365338	ROSLYN HARBOR, VILLAGE OF	361035
EAST HILLS, VILLAGE OF[1]	361627	LYNBROOK, VILLAGE OF	360478	RUSSELL GARDENS, VILLAGE OF	361583
EAST ROCKAWAY, VILLAGE OF	360463	MALVERNE, VILLAGE OF	361633	SADDLE ROCK, VILLAGE OF	360491
EAST WILLISTON, VILLAGE OF[1]	361628	MANORHAVEN, VILLAGE OF	360479	SANDS POINT, VILLAGE OF	360492
FARMINGDALE, VILLAGE OF[1]	361629	MASSAPEQUA PARK, VILLAGE OF	360480	SEA CLIFF, VILLAGE OF	360493
FLORAL PARK, VILLAGE OF[1]	361630	MATINECOCK, VILLAGE OF[1]	361634	SOUTH FLORAL PARK, VILLAGE OF[1]	361641
FLOWER HILL, VILLAGE OF	361604	MILL NECK, VILLAGE OF	360481	STEWART MANOR, VILLAGE OF[1]	361642
FREEPORT, VILLAGE OF	360464	MINEOLA, VILLAGE OF[1]	361635	THOMASTON, VILLAGE OF	360494
GARDEN CITY, VILLAGE OF[1]	361631	MUNSEY PARK, VILLAGE OF[1]	361636	UPPER BROOKVILLE, VILLAGE OF[1]	361643
GLEN COVE, CITY OF	360465	MUTTONTOWN, VILLAGE OF[1]	361637	VALLEY STREAM, VILLAGE OF	360495
GREAT NECK, VILLAGE OF	361519	NORTH HEMPSTEAD, TOWN OF	360482	WESTBURY, VILLAGE OF[1]	361644
GREAT NECK ESTATES, VILLAGE OF	360466	NORTH HILLS, VILLAGE OF[1]	361600	WILLISTON PARK, VILLAGE OF[1]	361645
GREAT NECK PLAZA, VILLAGE OF	361632	NEW HYDE PARK, VILLAGE OF[1]	361638	WOODSBURGH, VILLAGE OF	360496
HEMPSTEAD, TOWN OF	360467	OLD BROOKVILLE, VILLAGE OF[1]	361646		
HEMPSTEAD, VILLAGE OF[1]	361647	OLD WESTBURY, VILLAGE OF[1]	361639		
HEWLETT BAY PARK, VILLAGE OF	360468	OYSTER BAY, TOWN OF	360483		
HEWLETT HARBOR, VILLAGE OF	360469	OYSTER BAY COVE, VILLAGE OF	361486		
HEWLETT NECK, VILLAGE OF	360470				

[1]Non-floodprone community

REVISED:
SEPTEMBER 11, 2009

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
36059CV000A

NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Initial Countywide FIS Effective Date: April 2, 1997

Revised Countywide FIS Dates: September 11, 2009

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FLOOD INSURANCE STUDY
NASSAU COUNTY, NEW YORK (ALL JURISDICTIONS)

1.0 INTRODUCTION

1.1 Purpose of Study

This countywide Flood Insurance Study (FIS) investigates the existence and severity of flood hazards in, or revises previous FISs/Flood Insurance Rate Maps (FIRMs), for the geographic area of Nassau County, New York, including: the Cities of Glen Cove and Long Beach; the Towns of Hempstead, North Hempstead, and Oyster Bay; and the Villages of Atlantic Beach, Baxter Estates, Bayville, Bellerose, Brookville, Cedarhurst, Centre Island, Cove Neck, East Hills, East Rockaway, East Williston, Farmingdale, Flower Hill, Floral Park, Freeport, Garden City, Great Neck, Great Neck Estates, Great Neck Plaza, Hempstead, Hewlett Bay Park, Hewlett Harbor, Hewlett Neck, Island Park, Kensington, Kings Point, Lake Success, Lattingtown, Laurel Hollow, Lawrence, Lynbrook, Malverne, Manorhaven, Massapequa Park, Matinecock, Mill Neck, Mineola, Munsey Park, Muttontown, New Hyde Park, North Hills, Old Brookville, Old Westbury, Oyster Bay Cove, Plandome, Plandome Heights, Plandome Manor, Port Washington North, Rockville Centre, Roslyn, Roslyn Estates, Roslyn Harbor, Russell Gardens, Saddle Rock, Sands Point, Sea Cliff, South Floral Park, Stewart Manor, Thomaston, Upper Brookville, Valley Stream, Westbury, Williston Park, and Woodsburgh (hereinafter referred to collectively as Nassau County). The Villages of Bellerose, Brookville, East Hills, East Williston, Farmingdale, Floral Park, Garden City, Hempstead, Lake Success, Matinecock, Mineola, Munsey Park, Muttontown, North Hills, New Hyde Park, Old Brookville, Old Westbury, Roslyn Estates, South Floral Park, Stewart Manor, Upper Brookville, Westbury, and Williston Park are non-floodprone communities.

This FIS aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This FIS has developed flood risk data for various areas of the community that will be used to establish actuarial flood insurance rates. This information will also be used by Nassau County to update existing floodplain regulations as part of the Regular Phase of the National Flood Insurance Program (NFIP), and by local and regional planners to further promote sound land use and floodplain development. Minimum floodplain management requirements for participation in the NFIP are set forth in the Code of Federal Regulations at 44 CFR 60.3.

In some States or communities, floodplain management criteria or regulations may exist that are more restrictive or comprehensive than the minimum Federal requirements. In such cases, the more restrictive criteria take precedence and the State (or other jurisdictional agency) will be able to explain them.

1.2 Authority and Acknowledgments

The sources of authority for this FIS are the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

The April 2, 1997, FIS was prepared to include incorporated communities within Nassau County into a countywide-format FIS. Information on the authority and acknowledgments for each jurisdiction included in this countywide FIS, as compiled from their previously printed FIS reports, is shown below.

Baxter Estates, Village of:	the hydrologic and hydraulic analyses for the FIS report dated November 16, 1982, were prepared by Harris-Toups Associates, for the Federal Emergency Management Agency (FEMA), under Contract No. H-4606. That work was completed in December 1980.
Bayville, Village of:	the hydrologic and hydraulic analyses for the FIS report dated March 15, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Cedarhurst, Village of:	the hydrologic and hydraulic analyses for the FIS report dated March 1, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Centre Island, Village of:	the hydrologic and hydraulic analyses for the FIS report dated April 18, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Cove Neck, Village of:	the hydrologic and hydraulic analyses for the FIS report dated January 18, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
East Rockaway, Village of:	the hydrologic and hydraulic analyses for the FIS report dated June 1978, were prepared by Camp, Dresser, & McKee, Environmental Engineers, for the Federal Insurance Administration (FIA), under Contract No. H-3832. All field survey data for that FIS were collected and compiled by Harry R. Feldman, Inc., Civil Engineers and Land Surveyors, Boston, Massachusetts, and Grand Gorge, New York, under subcontract to Camp, Dresser, & McKee. All work was completed in November 1976.

Flower Hill, Village of:	the hydrologic and hydraulic analyses for the FIS report dated September 18, 1991, were prepared by Harris-Toups Associates during the preparation of the FISs for the Villages of Roslyn and Roslyn Harbor (FEMA, July 1983; FEMA, June 1983). That work was completed in December 1980.
Freeport, Village of:	the hydrologic and hydraulic analyses for the FIS report dated September 15, 1993, were taken from the FIS for the Town of Hempstead (U.S. Department of Housing and Urban Development, 1978).
Glen Cove, City of:	the hydrologic and hydraulic analyses for the FIS report dated September 1977 were prepared by Camp, Dresser, & McKee, Environmental Engineers for the FIA, under Contract No. H-3832. All field survey data for that FIS were collected and compiled by Harry R. Feldman, Inc., Civil Engineers and Land Surveyors, Boston, Massachusetts, and Grand Gorge, New York, under subcontract to Camp, Dresser, & McKee. All work was completed in October 1976. The wave height analyses for the September 5, 1984, Wave Height Analysis Supplement to the FIS report were prepared by Michael Baker, Jr., Incorporated in January 1982, and revised by Dewberry & Davis in September 1983.
Great Neck, Village of:	the hydrologic and hydraulic analyses for the FIS report dated May 17, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Great Neck Estates, Village of:	the hydrologic and hydraulic analyses for the FIS report dated December 15, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Hempstead, Town of:	the hydrologic and hydraulic analyses for the FIS report dated October 1978 were prepared by the U.S. Army Corps of Engineers (USACE), New York District, for the FIA, under Inter-Agency Agreement No. IAA-H-2-73, Project Order No. 4. The

	wave height analyses for the September 4, 1984, Wave Height Analysis Supplement to the FIS report were prepared by Dewberry & Davis.
Hewlett Bay Park, Village of:	the hydrologic and hydraulic analyses for the FIS report dated July 19, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Hewlett Harbor, Village of:	the hydrologic and hydraulic analyses for the FIS report dated December 1978 were prepared by Camp, Dresser, & McKee, Environmental Engineers for the FIA, under Contract No. H-3832. That work was completed in November 1976.
Hewlett Neck, Village of:	the hydrologic and hydraulic analyses for the FIS report dated July 19, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Kings Point, Village of:	the hydrologic and hydraulic analyses for the FIS report dated January 5, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Lattingtown, Village of:	the wave height analyses for the FIS report dated March 18, 1986, were prepared by Dewberry & Davis. That work was completed in February 1985.
Laurel Hollow, Village of:	the hydrologic and hydraulic analyses for the FIS report dated July 6, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Lawrence, Village of:	the hydrologic and hydraulic analyses for the FIS report dated November 16, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Long Beach, City of:	the wave height analyses for the June 1, 1983, Wave Height Analysis Supplement to the FIS report were prepared by Dewberry &

	Davis, for FEMA, under Contract No. EMW-C-0543. That work was completed in December 1982.
Manorhaven, Village of:	the hydrologic and hydraulic analyses for the FIS report dated December 1, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Massapequa Park, Village of:	the hydrologic and hydraulic analyses for the FIS report dated July 19, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Mill Neck, Village of:	the hydrologic and hydraulic analyses for the FIS report dated April 18, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
North Hempstead, Town of:	the hydrologic and hydraulic analyses for the FIS report dated October 1976 were prepared by the USACE, New York District, for the FIA, under Inter-Agency Agreement No. IAA-H-2-73, Project Order No. 4. The wave height analyses for the May 1983 Wave Height Analysis Supplement to the FIS report were prepared by Dewberry & Davis.
Oyster Bay, Town of:	the hydrologic and hydraulic analyses for the FIS report dated February 1978 were prepared by Camp, Dresser, & McKee, Environmental Engineers for the FIA, under Contract No. H-3832. All field survey data for that FIS were collected and compiled by Harry R. Feldman, Inc., Civil Engineers and Land Surveyors, Boston, Massachusetts, and Grand Gorge, New York, under subcontract to Camp, Dresser, & McKee. All work was completed in December 1976. The wave height analyses for the September 16, 1982, Wave Height Analysis Supplement to the FIS report were prepared by Dewberry & Davis.
Oyster Bay Cove, Village of:	the hydrologic and hydraulic analyses for the FIS report dated March 30, 1983, were

	prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Plandome Manor, Village of:	the hydrologic and hydraulic analyses for the FIS report dated December 15, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Port Washington North, Village of:	the hydrologic and hydraulic analyses for the FIS report dated January 5, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Rockville Centre, Village of:	the hydrologic and hydraulic analyses for the FIS report dated May 17, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Roslyn, Village of:	the hydrologic and hydraulic analyses for the FIS report dated July 5, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Roslyn Harbor, Village of:	the hydrologic and hydraulic analyses for the FIS report dated June 15, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Russell Gardens, Village of:	the hydrologic and hydraulic analyses for the FIS report dated May 17, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Saddle Rock, Village of:	the hydrologic and hydraulic analyses for the FIS report dated April 18, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.
Sands Point, Village of:	the hydrologic and hydraulic analyses for the FIS report dated December 15, 1982, were prepared by Harris-Toups Associates, for

FEMA, under Contract No. H-4606. That work was completed in December 1980.

Sea Cliff, Village of: the hydrologic and hydraulic analyses for the FIS report dated August 1977 were prepared by Camp, Dresser, & McKee, Environmental Engineers for the FIA, under Contract No. H-3832. All field survey data for that FIS were collected and compiled by Harry R. Feldman, Inc., Civil Engineers and Land Surveyors, Boston, Massachusetts, and Grand Gorge, New York, under subcontract to Camp, Dresser, & McKee. All work was completed in October 1976.

Valley Stream, Village of: the hydrologic and hydraulic analyses for the FIS report dated July 5, 1983, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.

Woodsburgh, Village of: the hydrologic and hydraulic analyses for the FIS report dated December 1, 1982, were prepared by Harris-Toups Associates, for FEMA, under Contract No. H-4606. That work was completed in December 1980.

The authority and acknowledgments for the Villages of Atlantic Beach, Bellerose, Brookville, East Hills, East Williston, Farmingdale, Floral Park, Garden City, Great Neck Plaza, Hempstead, Island Park, Kensington, Lake Success, Lynbrook, Malverne, Matinecock, Mineola, Munsey Park, Muttontown, North Hills, New Hyde Park, Old Brookville, Old Westbury, Plandome, Plandome Heights, Roslyn Estates, South Floral Park, Stewart Manor, Thomaston, Upper Brookville, Westbury, and Williston Park, are not included because there were no previously printed FIS reports for those communities.

For the April 2, 1997, countywide FIS, the updated hydrologic and hydraulic analyses were prepared for FEMA by Dewberry & Davis. This work was completed in July 1995. The digital base mapping information files were provided by the Nassau County Department of General Services, Division of Data Processing, Old Courthouse, Mineola, New York 11501-4822. The base map was copyrighted by the New York State Department of Transportation: Basemap copyright, 1993, County of Nassau, New York. Those files were photogrammetrically compiled at a scale of 1"=200' from aerial photography dated 1991-1994. The digital FIRM was produced in Universal Transverse Mercator coordinates referenced to the North American Datum of 1927 and the Clarke 1866 spheroid.

For this revision, a new coastal storm surge analysis was incorporated for the Atlantic Ocean and bays. In addition the stillwater elevations for the Long Island Sound and bay areas were updated. Finally, for both the Atlantic Ocean and Long Island Sound, overland wave height analyses were performed. This work was accomplished by Leonard Jackson Associates and Dewberry for FEMA under Contract No.EMN-2002-RP-0018 and completed in March 2008. Digital base map information was provided by the New York State Office of Cyber Security and Critical Infrastructure Coordination. The digital FIRM was produced with a horizontal projection of State Plane New York Long Island East, feet referenced to the North American Datum of 1983.

1.3 Coordination

An initial Consultation Coordination Officer's (CCO) meeting is held with representatives from FEMA, the community, and the study contractor to explain the nature and purpose of a FIS, and to identify the streams to be studied by detailed methods. A final CCO meeting is held with representatives from FEMA, the community, and the study contractor to review the results of the study.

The dates of the initial and final CCO meetings held for the incorporated communities within the boundaries of Nassau County are shown in Table 1, "CCO Meeting Dates."

TABLE 1 – CCO MEETING DATES

Community Name	Initial CCO Date	Final CCO Date
Village of Baxter Estates	July 20, 1977	January 12, 1982
Village of Bayville	July 21, 1977	September 27, 1982
Village of Cedarhurst	July 22, 1977	March 1, 1982
Village of Centre Island	July 19, 1977	November 16, 1982
Village of Cove Neck	July 18, 1977	June 22, 1982
Village of East Rockaway	September 9, 1975	February 23, 1977
Village of Flower Hill	*	October 18, 1990
Village of Freeport	December 3, 1991	February 13, 1992
City of Glen Cove	September 9, 1975	January 12, 1977
Village of Great Neck	July 18, 1977	November 16, 1981
Village of Great Neck Estates	July 25, 1977	August 2, 1982
Town of Hempstead	*	January 20, 1983
Village of Hewlett Bay Park	July 22, 1977	November 17, 1981
Village of Hewlett Harbor	September 9, 1975	February 23, 1977
Village of Hewlett Neck	July 22, 1977	November 25, 1981
Village of Kings Point	July 18, 1977	August 19, 1982
Village of Lattingtown	*	May 1, 1985
Village of Laurel Hollow	July 20, 1977	January 28, 1982
Village of Lawrence	July 22, 1977	May 12, 1982
City of Long Beach	*	January 5, 1983
Village of Manorhaven	July 18, 1977	July 28, 1982

*Data not available

TABLE 1 - CCO MEETING DATES - continued

Community Name	Initial CCO Date	Final CCO Date
Village of Massapequa Park	July 21, 1977	January 28, 1982
Village of Mill Neck	July 21, 1977	December 10, 1982
Town of North Hempstead	*	January 20, 1983
Town of Oyster Bay	*	April 4, 1982
Village of Oyster Bay Cove	July 18, 1977	November 16, 1982
Village of Plandome Manor	July 19, 1977	July 20, 1982
Village of Port Washington North	July 18, 1977	August 2, 1982
Village of Rockville Centre	July 4, 1977	December 7, 1981
Village of Roslyn	July 19, 1977	January 13, 1983
Village of Roslyn Harbor	July 20, 1977	January 12, 1983
Village of Russell Gardens	July 19, 1977	December 28, 1981
Village of Saddle Rock	July 18, 1977	December 1, 1982
Village of Sands Point	July 18, 1977	July 20, 1982
Village of Sea Cliff	October 2, 1975	January 12, 1977
Village of Valley Stream	July 22, 1977	November 30, 1981
Village of Woodsburgh	July 22, 1977	November 17, 1981

*Data not available

For the April 2, 1997, countywide FIS, FEMA notified each community by a letter dated July 26, 1995, or August 28, 1995, that this countywide FIS would be prepared using Dewberry & Davis' analyses. A final CCO meeting was held on January 26, 1996, and was attended by representatives of the jurisdictions in Nassau County and FEMA.

For this revision, FEMA held an initial CCO meeting with representatives from the communities on July 18, 2007. At that meeting and a subsequent one on October 15, 2007, the communities were informed about the scope of this revision and the primary sources of data for the study. A final CCO meeting was held July 21-25, 2008, and was attended by representatives of the jurisdictions in Nassau County, Dewberry, NYDEC, and FEMA.

2.0 AREA STUDIED

2.1 Scope of Study

This FIS covers the geographic area of Nassau County, New York.

All or portions of the flooding sources listed in the following tabulation were studied by detailed methods. Limits of detailed study are indicated on the Flood Profiles (Exhibit 1) and/or on the FIRM (Exhibit 2).

Coastal/Tidal

Long Island Sound
Hempstead Harbor
Little Neck Bay
Manhassett Bay
Oyster Bay Harbor
including Beaver Brook, Beaver Lake, Mill Neck Creek, Oak Neck Creek
Atlantic Ocean
Baldwin Bay
Brosewere Bay
East Bay
Head of Bay
Cold Spring Harbor
Little New Bay

Coastal/Tidal (continued)

Hewlett Bay
including Mill River, Powell Creek, Rockaway Creek
Middle Bay
Reynolds Channel
South Oyster Bay
Wreck Lead Channel

Riverine

Massapequa Creek
Massapequa Creek Tributary No. 1
Massapequa Creek Tributary No. 2
Motts Creek
Russells Creek
Valley Stream

As part of the April 2, 1997, countywide FIS, updated or new analyses were included for the flooding sources shown in the following tabulation.

Flooding Source	Limits of Revised or New Detailed Study
Atlantic Ocean	From the confluence of Jones Inlet to the Nassau County/Suffolk County boundary
Brosewere Bay	From Doughty Boulevard to Austin Boulevard
Head of Bay	For its entire shoreline within the county
Hewlett Bay	From Doughty Boulevard to Austin Boulevard
Middle Bay	From Loop State Parkway to Austin Boulevard

The April 2, 1997, countywide FIS also incorporated the determination of a Letter of Map Revision issued by FEMA on May 23, 1995, for the Town of Oyster Bay along the Great South Bay.

For this revision, all coastal flood hazards affecting the county were restudied. As the updated coastal analyses reflect different methodologies than those used in the City of New York FIS, there are discrepancies in flood elevations between the jurisdictions. An update of the Suffolk County, New York FIS is currently underway. The elevations between adjacent communities in these two counties will be consistent.

The areas studied by detailed methods were selected with priority given to all known flood hazard areas and areas of projected development and proposed construction.

All or portions of several unnamed tributaries and streams in Nassau County were studied by approximate methods. Approximate analyses were used to study those areas having a low development potential or minimal flood hazards. The scope and methods of study were proposed to, and agreed upon by, FEMA and Nassau County.

2.2 Community Description

Nassau County is one of the two counties that comprise Long Island, which is located in the southeastern section of the State of New York. It is bordered on the west by the City of New York and on the east by Suffolk County, and by the Atlantic Ocean on the south. Nassau County's 2000 population was 1,334,544 (U.S. Department of Commerce, 2000). Nassau County is primarily residential. It is served by State Route 24, State Route 25A, State Route 27, the Northern and Southern State Parkways, the Long Island Expressway, and the Long Island Railroad.

As is typical of the eroded headland pattern on the north shore of Long Island, the soil is composed mainly of glacial deposits - a poorly sorted mixture of boulders, gravel, sand, silt, and clay. The soil cover is generally deep, well drained, and covered with woods or grass, which have a low runoff potential. Vegetation varies from a dense growth of trees in the undeveloped areas to typical suburban vegetation of shade and ornamental trees, shrubs, and lawns adjacent to residential properties.

Unless noted otherwise, all elevations in the following paragraphs are referenced to the North American Vertical Datum of 1988 (NAVD).

The lands in the Villages of Baxter Estates, Great Neck, Great Neck Estates, Kings Point, Manorhaven, Plandome Manor, Port Washington North, Roslyn Harbor, Russell Gardens, Saddle Rock, Sands Point, and Sea Cliff are part of a line of hills called the Harbor Hill Moraine, which is composed of poorly-sorted rock debris consisting of boulders, gravel, sand, silt, and clay. The eroded headlands along the north shore of Long Island are composed mainly of glacial deposits, but streams and waves sculpted their final form and the many wide and deep harbors were carved by streams flowing north. Wave erosion has steepened the northern slopes of these headlands into nearly vertical bluffs that, in places, are approximately 100 feet National Geodetic Vertical Datum of 1929 (NGVD) (U.S. Department of the Interior, 1968).

The lands in the Villages of East Rockaway, Hewlett Bay Park, Hewlett Harbor, Hewlett Neck, and Woodsburgh are part of a huge, glacial outwash plain which gradually slopes from a morainal ridge in the northern half of Nassau County to the wetlands and barrier beaches along the south shore of the county.

The topography of the Village of Baxter Estates is generally irregular, with a maximum elevation of approximately 110 feet in the southeast and northeast portions of the village. The terrain then slopes down toward the central portion of the village in the south and toward the central and western portions of the north.

The western portion of the village consists of tidal flats that are exposed to tidal flooding from Manhasset Bay.

The topography of the Village of Bayville is irregular, with a low-lying area to the west; a steeply sloping hill rising to 150 feet in the center, and flat land developed with housing in the eastern area, much of which lies below 9.4 (NAVD) feet.

The terrain of the Village of Cedarhurst slopes very gently from a maximum elevation of approximately 25 feet at the central portion of the village to elevations of only 5 to 10 feet at the northwestern edge of the village, and to 20 feet at the southeastern part.

The topography of the Village of Centre Island is mildly sloping, rising to an elevation of 100 feet in the south, and to 80 feet in the north, with low-lying wetlands in the central area.

The topography of the Village of Cove Neck is irregular, with steep to mildly steep hills rising to approximately 180 feet over much of the village. A marsh area exists on the northwestern tip. In the southwestern section, adjacent to Oyster Bay Cove, there is low-lying land which is flood-prone. The western and northern coasts of the village rise rapidly from the beach to 100 feet.

The terrain in the Village of East Rockaway slopes very gently from a maximum elevation of approximately 25 feet at the northern edge of the village to elevations of 5 to 10 feet at the southern and eastern edges of the village. Most of the land areas of the village lies at elevations between 5 to 15 feet.

The topography of the Village of Flower Hill is irregular, and varies from flat low-lying land adjacent to Hempstead Harbor, to a valley running north-south.

The terrain in the City of Glen Cove varies from areas of high elevations reaching a maximum elevation of 180 feet in the southeastern section of the city and dropping to low lying areas along the coastline. East and Dosoris Islands on the northern tip of Glen Cove are completely surrounded by water with Long Island Sound on the north and Dosoris and West Ponds on the south, respectively. Glen Cove has a relatively smooth coastline with few inlets, the largest being Glen Cove Creek. The soil in Glen Cove consists mainly of Carver and Plymouth sands which are lain deep and drain well. Soil texture is coarse to moderately coarse and features a rolling moraine type of topography (Nassau County Planning Commission, 1974).

The coastal areas of the Village of Great Neck Estates border Little Neck Bay. Some of the land mass extends into the bay's wetlands area between the barrier beaches along the ocean and the mainland of the island. The tidal wetlands area covers approximately 12,000 acres within the village which is well protected from the 14 miles of exposure on the ocean by the barrier islands of Long Beach Island from East Rockaway to Jones Inlet, and by part of Jones Beach Island.

The terrain of the Village of Hewlett Bay Park slopes very gently from a maximum elevation of 25 feet at the northwestern corporate limits to only 5 feet in the southeastern portion. Most of the land area of the village lies at elevations between 10 to 15 feet. The terrain of Hewlett Harbor slopes very gently from a maximum elevation of approximately 25 feet at the northern edge of the village to elevations of only 5 to 10 feet at the southern and western edges of the village. Most of the land area of the village lies at elevations between 5 and 15 feet. The land of Hewlett Harbor is part of a huge, glacial outwash plain which gradually slopes from a morainal ridge in the northern half of Nassau County to the wetlands and barrier beaches along the southern shore of the county. The soils consist of Riverhead-Plymouth loamy sand which is easily excavated and has good internal drainage (Nassau County Planning Commission, 1974).

The terrain of the Village of Hewlett Neck slopes very gently from a maximum elevation of 20 feet at the northwestern corporate limits to only 5 feet in the eastern and southern portion.

The topography of the Village of Lattingtown is irregular, with low-lying marshy areas draining into Frost Creek to the north. Higher ground in the south rises to approximately 200 feet. In the higher elevations, the land has a dense cover of trees.

The topography of the Village of Laurel Hollow consists generally of steep slopes rising to a fairly flat plateau at approximately 220 feet. A series of fresh water ponds lie in the valley on the eastern edge of the village. In the coastal zone, the land rises steeply from the beach for the most part, but scattered small areas of tidal flats and bar beaches are also found.

The terrain of the Village of Lawrence slopes very gently from a maximum elevation of approximately 20 feet at the northwestern portion of the village to elevations of only 5 to 10 feet at the southern and eastern edges. Approximately one-half of the total area of Lawrence is low-lying marshland, which lends itself to direct exposure to storm tide flooding.

The topography in the Village of Massapequa Park is slightly irregular and slopes gently from a maximum elevation of 40 feet at the very northern portion of the village to only 5 feet at the very southern tip of the Village of Great South Bay.

The topography of the Village of Mill Neck is irregular and varies from steeply sloped hills over most of the village, to flat low-lying land, lakes, and marshes along the western edge.

The topography of the Village of Oyster Bay Cove is irregular, with steeply sloped hills rising to approximately 280 feet over most of the inland area, and flatter low-lying land on the coast. A centrally located coastal headland divides the flatter land into two stretches. A sand-spit, giving shelter to the cove, projects from the headland.

The topography of the Village of Rockville Centre is slightly irregular and slopes from a maximum elevation of 50 feet at the very northern portion of the village to only 5 feet along the Mill River at the southwestern corporate limits.

The topography of the Village of Roslyn is irregular, and varies from flat low-lying land adjacent to Hempstead Harbor, to a valley running approximately north-south, with steep to moderately steep sides.

The topography of the Village of Russell Gardens is irregular, varying from relatively steep slopes along the banks of Russells Creek and in the southwestern portion of the village to moderately flat terrain within the central section of the village. Elevations range from a minimum of 58 feet in the northwestern section of the village to 168 feet in the northeastern section.

The terrain of the Village of Saddle Rock is slightly irregular with the central portion of the village at an elevation of approximately 80 feet. From there, the land slopes gently down in all directions western sector, where the elevations decrease very rapidly from an elevation of approximately 60 feet to only 5 to 10 feet.

The elevations in the Village of Sea Cliff vary from sea level to a high of 189 (NAVD) feet. The terrain is characterized by clay cliffs along most of the coastline for which Sea Cliff is so noted. The soil consists predominantly of Carver and Plymouth sands which are deep and drain well. Soil texture is coarse to moderately coarse and lies on a rolling moraine type of topography (Nassau County Planning Commission, 1974).

The topography of the Village of Valley Stream is flat to slightly irregular, with very mild slopes. All of the land area within the village drains into stream basins which flow south.

The terrain of the Village of Woodsburgh slopes very gently from a maximum elevation of 20 feet at the northern edge of the village to approximately 5 feet at the southern and eastern edges.

The climate on the north shore of Nassau County is moderate coastal with warm, humid summers and moderately cold winters. The temperature averages 51.4 degrees Fahrenheit (°F) annually, ranging from a low monthly average of 31.8°F in February to a high monthly average of 72.1°F in July. The climate on the southern shore of Nassau county is moderate also, although temperatures average 53.4°F over the entire year, and range from a low monthly average of 32.9°F in February to a high monthly average of 75.7°F in July. The average annual precipitation ranges from 40 to 45 inches and is fairly evenly distributed throughout the year (U.S. Department of Commerce, 1977).

2.3 Principal Flood Problems

Nassau County is subject to coastal flooding caused by northeasters and hurricanes. Northeasters can occur at any time of the year but are more prevalent in the winter. The prime hurricane season is from August to October during which

time 80 percent of all hurricanes occur. September is the worst month for hurricanes; during which 32 percent of the total occur. Hurricanes are of shorter duration than northeasters and generally last through only one tidal cycle (USACE, 1971).

In meteorological terms, a hurricane is defined as a tropical cyclone which has a central barometric pressure of 29 inches or less of mercury, and wind velocities of 75 miles per hour or more. The low barometric pressures and high winds combine to produce abnormally high tides and accompanying tidal flooding. The high winds can generate large waves, provided there are no obstructions or barrier beaches to dissipate wave momentum. Storm waves as high as 30 feet have been reported in the vicinity of the south shore of Long Island (USACE, 1971). The winds of a hurricane in the Northern Hemisphere spiral inward in a counterclockwise direction towards the "eye" or center of low pressure. The eye of the hurricane (where winds are subdued) can vary in diameter. Normally, the "eye" can extend for 15 miles, although the eye of a mature hurricane can reach diameters of 20 to 30 miles or even greater (USACE, 1971).

A hurricane develops as a tropical storm either near the Cape Verde Islands off the African coast or in the western Caribbean Sea. Most hurricanes which reach Long Island approach from a southerly direction after curving east of Florida and skirting the mid-Atlantic seaboard. These hurricanes start their journey with a forward speed of about 10 miles per hour, and after recurving towards Long Island may increase their speed to 20 to 30 miles per hour and up to 40 to 60 miles per hour as they reach the colder water temperatures found in the more northerly latitudes (USACE, 1973). Figure 1, "Tracks of Selected Hurricanes," shows the tracklines of Category 1 and greater landfalling hurricanes between 1858 to 1999.

The most destructive winds in a hurricane occur east of the eye, where the spiral wind movement and forward motion of the storm combine. An indication of wind intensity and direction relative to Nassau County may be inferred from the historical hurricane paths shown in Figure 1. The majority of past hurricanes have tracked over eastern Long Island; therefore, Nassau County has rarely experienced the full intensity of a major hurricane. In order for Nassau County to experience the highest winds and accompanying highest tides of a hurricane, the storm would need to track west of the county, over New York City.

Historical data indicates that two unusually severe hurricanes have passed over New York City since 1635 - one on September 3, 1821, and the other on August 24, 1893. The New York Times reported the severity of the hurricane of 1893 at Coney Island in New York City:

> "The waves swept in to a distance 600 feet back of the beach, and rose to a height of 30 feet. They swept over the elevated station to such a height that they caught and carried away a 20-foot electric light, which stood near the end of the structure."

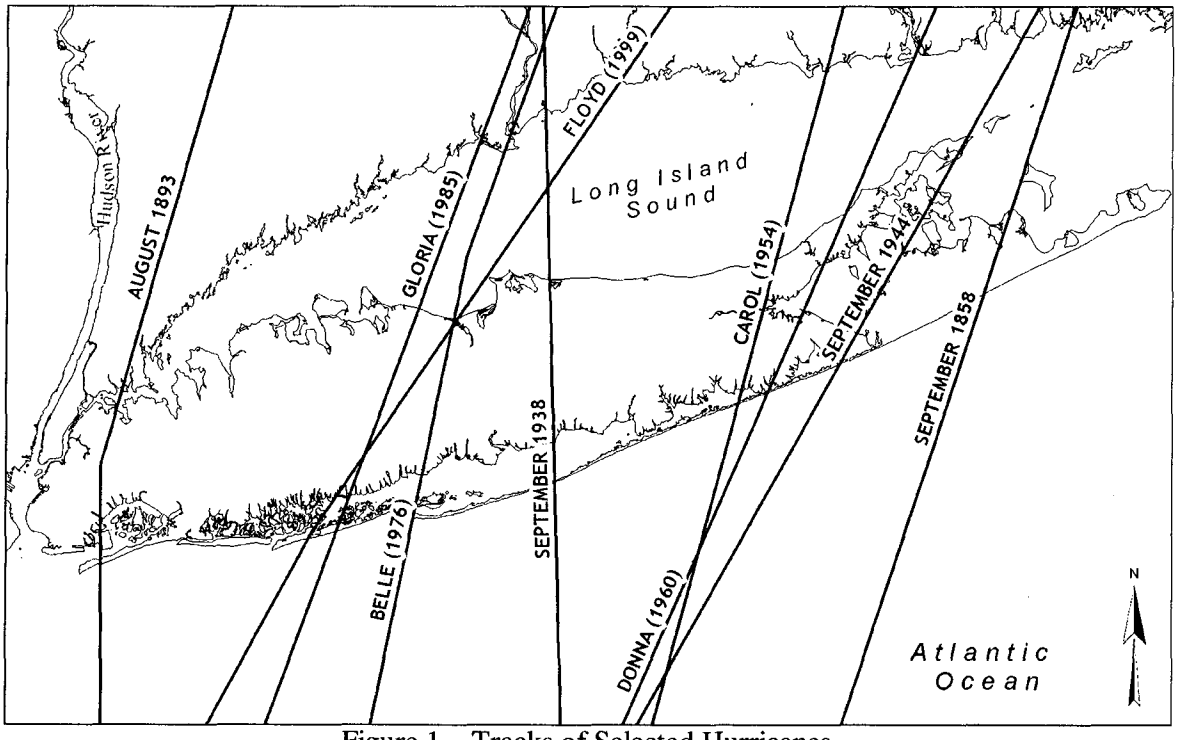


Figure 1 – Tracks of Selected Hurricanes

The dates of two other less severe hurricanes which made landfall in the vicinity of New York City are September 16, 1903, and September 14-15, 1904. The hurricanes of 1938, 1944, and 1954 swept over eastern Long Island and caused high tides in Suffolk County; however Nassau County did not experience the full brunt of these storms due to the easterly track (USACE, 1957). In more recent times, Hurricanes Gloria, Belle, and Donna made landfall on Long Island. Details on the impact of these events to Nassau County are summarized below.

Hurricane Gloria was the most recent instance where Nassau County has experienced the intensity of a hurricane. Gloria made landfall on September 27, 1985 approximately 10 miles east of Kennedy International Airport as a Category 2 hurricane. Wind gusts ranged from 51-mph in Central Park, 84-mph in Islip, 97-mph as recorded at Centerreach and 120-mph recorded at Fire Island Light. Peak storm surge ranged from 4 to 7 feet above tidal levels, fortunately, the storm made landfall at low tide which greatly reduced the potential coastal flooding. Extensive wind and flooding damaged led to a Federal Disaster Declaration. Total damages from the storm were estimated at $900 million for Virginia, New Jersey, New York and Connecticut (National Weather Service, 1985).

On August 10, 1976, Hurricane Belle threatened to severely damage Long Island. However, it finally proved to be a minimal hurricane in the Long Island area according to the National Hurricane Center in Miami. Two factors for this particular hurricane reduced its potential for tidal flooding on Long Island. First, storm intensity was diminished after traveling beyond the Gulf Stream and passing more slowly over the colder northern Atlantic Ocean waters. This was evidenced by the increase in its central barometric pressure and an accompanying decrease in the sustained wind velocity. Second, the storm reached land several hours after high tide (National Hurricane Center, August 11, 1976), minimizing storm surge and coastal flooding.

A hurricane derives its energy from the presence of warm water in its path. It draws in warm humid air over these waters, condenses out the moisture which falls as torrential rains, and uses the energy obtained to increase its wind speed and overland travel speed (National Hurricane Center, August 10, 1976). The critical water temperature for a hurricane is 26.5°C or 79.7°F (Landsea, 2000). When water temperature is below this value, the transfer of energy from the ocean to the storm ceases. For Hurricane Belle, the temperature was approximately 84°F off the coast of Florida, 81°F off the coast of North Carolina, and 71°F off the coast of Long Island. Belle was a full-fledged hurricane off the coast of Florida with winds of 150 miles per hour, but by the time it reached Long Island its intensity had so diminished that the strongest sustained wind was only 63 miles per hour, with gusts of 80 miles per hour (National Hurricane Center, August 11, 1976).

Hurricane Belle's winds were reduced, in part, by its slow northward movement of 25 miles per hour over the colder northern waters. By contrast, the hurricane of September 21, 1938, which occurred at a later period in the hurricane season, moved north at approximately 50 miles per hour. Had Belle occurred later in the hurricane season, the northern Atlantic waters would have been a few critical degrees warmer and would not have had the same effect in slowing the hurricane's velocity. Hurricane specialists at the National Hurricane Center warned Long Islanders that they should not feel confident that they had withstood a major hurricane, because Belle, in fact, was a borderline hurricane by the time it reached Long Island (National Hurricane Center, August 11, 1976).

Hurricane Donna is another example of hurricane impacts to Nassau County. Donna made landfall as a Category 2 hurricane on September 12, 1960, near Westhampton Beach in Suffolk County. At La Guardia Airport, 70 mile-per-hour winds from the northeast were recorded, with gusts up to 97 miles per hour. Hurricane Donna produced the highest tide of record at Hewlett Harbor and the tidal gage at Fort Hamilton-Fort Wadsworth (at the Narrows between Brooklyn and Staten Island) recorded a maximum tide of 7.5 (NAVD) feet (USACE, 1971). The maximum tide in Nassau County was slightly lower than at the Fort Hamilton tidal gage, because it is well protected behind the Long Beach barrier island. The tide level in Nassau County is a function of the tide duration and level in the ocean, the resulting quantities of water flowing through East Rockaway Inlet, Jones Inlet, and Wreck Lead Channel, the storage area available in the bay, and the prevailing wind speed and direction (USACE, 1971). Generally, tide levels in East Rockaway Channel and Reynolds Channel will be lower than those recorded in the Atlantic Ocean at the Fort Hamilton tidal gage.

Coastal flooding is not limited to hurricane activity; in fact, northeasters have caused the majority of tidal flooding along the south shore of Long Island. Northeasters develop near the Atlantic Coast of North America and can potentially occur at any time of year, but most frequently in the winter and spring months. Typically, a northeaster has lower wind velocities and higher central pressures than a major hurricane; however, wind velocities associated with a northeaster can easily reach tropical storm and Category 1 hurricane levels. In addition, the high winds of a northeaster can last for several days, causing repeated flooding and excessive coastal erosion. The long exposure of property to high water, high winds, and pounding wave action can result severe property damage.

Notable northeasters include the November 1950, November 1953, March 1962, December 1992, and March 1993 events. The November 1950 northeaster resulted in a storm surge above tidal levels of 7.9 feet at Sandy Hook, New Jersey, and 5.5 feet at New London, Connecticut. The northeast of November 1953 produced storm surge levels of 4.7 feet at Sandy Hook, New Jersey, and 3.6 feet at New London, Connecticut over tidal water levels. The March 1962 northeaster, known as the "Ash Wednesday" or locally as the "Five-High" storm because it lasted over five continuous high tides. The storm coincided with spring tides and caused severe erosion and property damage along the south shore of Long Island and along the eastern seaboard, with some of the worst damage along the New Jersey coast (USACE, 1963). The December 1992 northeaster carried hurricane-force winds and resulted in a storm surge in addition to tidal water levels of 5.9 feet at Sandy Hook, New Jersey, and 7.4 feet at Willets Point. The March 1993 northeasters, also known as the "Storm of the Century" caused extensive property damage along the Long Island coast, with a reported 18 homes falling to the sea. Wind gusts of 89 mph were recorded at Fire Island (NWS, 1993). Storm surge values in addition to tidal water levels of 6.1 feet and 4.9 feet were recorded at Willets Point and the Battery, respectively.

The best available verified historical records for water levels in the region are located at the NOAA stations for Sandy Hook, New Jersey, and New London, Connecticut. Annual water level maxima for the period of record at these gages are shown in Figure 2, "Annual Water Level Maxima at Sandy Hook," and Figure 3, "Annual Water Level Maxima at New London." These values represent the residual water level, or magnitude of the storm surge with the tidal water level removed. The five highest storm surge events of record at Sandy Hook, New Jersey, are: 1) March 1993 northeaster, 2) November 1950 northeaster, 3) Hurricane Gloria in 1985, 4) December 1992 northeaster, and 5) December 1974 northeaster. At New London, Connecticut, the five highest storm surge events of record are: 1) 1938 hurricane, 2) Hurricane Carol in 1954, 3) Hurricane Gloria in 1985, 4) November 1950 northeaster, and 5) September 1944 hurricane.

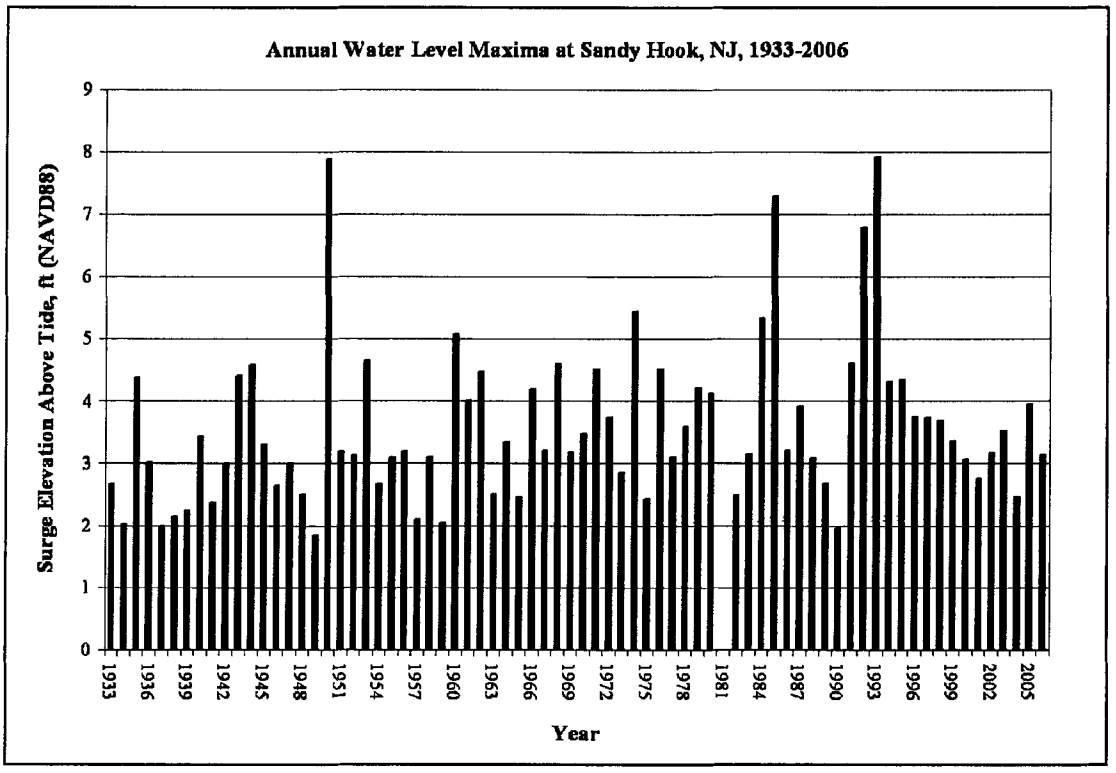


Figure 2- Annual Water Level Maxima at Sandy Hook

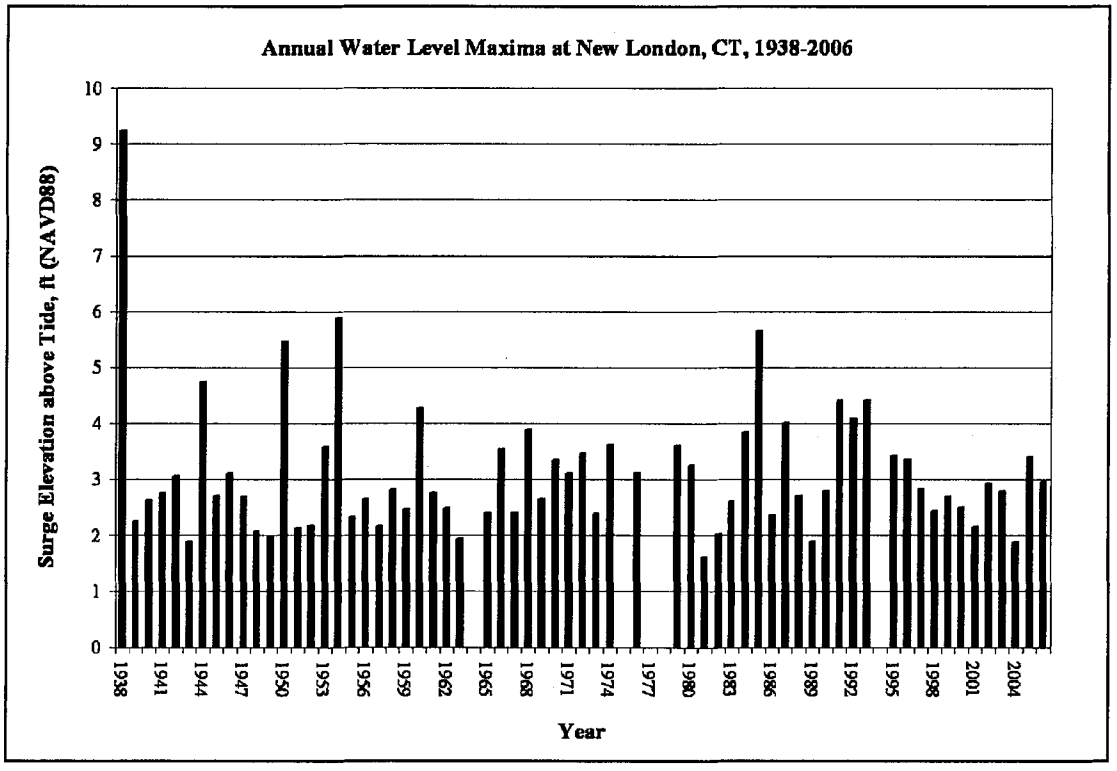


Figure 3 – Annual Water Level Maxima at New London

The two worst areas of flooding in the City of Glen Cove are the residential area of East Island and the industrial area surrounding Glen Cove Creek. Both areas are low lying and are susceptible to tide surges accompanying such storms.

In the Town of North Hempstead the flood problem is tidal in nature and stems from the extreme high tides that result from severe coastal storms and hurricanes. The history of storms in the area shows homes near the shore having been damaged on an average of once a year because of tropical hurricanes and northeasters.

The worst areas of flooding in the Town of Oyster Bay occur along Oyster Bay Harbor on the north shore and along the mainland adjacent to Great South Bay on the south shore. The majority of the flooding occurs predominantly in dense residential areas. Some industrial and park areas are also flooded.

The Village of Valley Stream has experienced some localized flooding during all seasons. The most severe floods in the past have been associated with intense rains caused by localized or transcontinental storms, land-falling hurricanes originating in the Caribbean Sea, or rain falling on previously frozen or saturated ground. For Valley Stream, the maximum known stream flow of 232 cubic feet per second (cfs) occurred in September 1960 during Hurricane Donna, as measured at the U.S. Geological Survey (USGS) gage at Valley Stream. Other large floods occurred in February 1971 (200 cfs) and in January 1979 (212 cfs). The village is also subject to tidal flooding from Head of Bay affecting Valley Stream and Motts Creek.

Flood damages have been relatively light along Motts Creek, Hook Creek and Valley Stream, even though county, village, and State lands have been flooded. Along Valley Stream, flooding areas have been reported by local officials and residents. At Hendrickson Park, due to the rise of Valley Stream Lake, 3 feet of water was found on the first floor of the Administration Building after the January 1979 storm. Water from this winter storm was also reported to have reached the centerline of the footbridge downstream of Valley Stream Boulevard. Motts Creek, during the January 1979 storm, produced water-surface elevations that flooded the overbank areas upstream of the Motley Street culvert to within inches of cellar windows; at the Argyle Street culvert water levels from the same rainstorm did not overflow the road, but upstream water did overflow the banks and almost reached the houses.

2.4 Flood Protection Measures

No major flood protection measures exist in the City of Glen Cove, the Town of Oyster Bay, or the Villages of Baxter Estates, Cedarhurst, Centre Island, Flower Hill, Freeport, Hewlett Bay Park, Hewlett Neck, Kings Point, Lattingtown, Laurel Hollow, Manorhaven, Massapequa Park, Plandome Manor, Port Washington North, Rockville Centre, Roslyn, Roslyn Harbor, Russell Gardens, Saddle Rock, Sands Point, Sea Cliff, Valley Stream, and Woodsburgh.

In the City of Glen Cove, the Town of Oyster Bay, the Villages of Cove Neck and East Rockaway, the Village of Great Neck, along the Manhasset Bay shoreline,

adjacent to the sewage disposal area, some of the coastline in the Village of Great Neck Estates, the Villages of Hewlett Harbor, Kings Point, Lawrence, Manorhaven, Plandome Manor, Port Washington North, Saddle Rock, Sands Point, and Sea Cliff bulkheading, seawalls, or riprap has been installed to protect the area in some cases from minor tidal flooding, prevent soil erosion, and provide a stable area for development. The elevations of these structures are not all uniform and extreme storm tides can be expected to exceed their elevations.

Along stretches of the north shore of the Village of Bayville, bulkhead sea walls have been constructed to a general elevation of 9.4 (NAVD) feet, providing some protection from minor flooding. The east end of the village, much of which lies below 9.4 (NAVD) feet and is historically subject to regular flooding, is not protected by sea walls. Gabions have been installed as erosion protection for the central region of the south shore. Under the local zoning ordinance, new construction below 9.4 (NAVD) feet is prohibited.

The Village of Centre Island has building regulations that restrict the building of new structures or improvements to existing structures below a first floor elevation of 10.9 (NAVD) feet. Construction of sea walls to an elevation of 9.4 (NAVD) feet has been undertaken along the east facing shore, providing some protection from minor flooding.

In the Town of Hempstead, and the Villages of Hewlett and Woodsburgh, existing and planned flood damage prevention measures are mostly in the form of sea walls, dikes, bulkheads, groins, jetties, levees, breakwaters, and protective sand beach fills and dunes.

The Town of Hempstead Building Code calls for a minimum street elevation of 6.4 (NAVD) feet above mean sea level and a minimum first floor level of 7.9 (NAVD) feet above mean sea level with all walls and floors below this level monolithic, without openings, and waterproofed.

At various times during the development of the Village of Hewlett Harbor, low lying areas were filled in, and many of the streets that were flood prone were also elevated. In many cases property owners along the waterfront have raised the elevation of their lots above the street elevation. In general, most of the village has been raised to a sufficiently high elevation, so that only extremely high storm tides will affect residents. The Code of Ordinances of the Village of Hewlett Harbor, Ordinance No. 36 adopted on February 10, 1955, states that no building shall be hereafter constructed such that the floor used for living accommodations (excluding basements, open porches, breezeways, unheated areas or garages) shall have an elevation less than eight feet NGVD (Village of Hewlett Harbor, 1962).

In the Village of Hewlett Neck, the local zoning ordinance, floodplain management laws exist which prohibit the construction of new buildings or improvements to existing buildings at a first-floor elevation lower than the base flood elevation from Middle Bay in the FIS for the Town of North Hempstead published in 1978 (FEMA, 1983). This elevation is 9 feet NGVD 29 (Mr. John Masiello, 1981; Village Clerk, 1982).

The Code of Ordinances for the Village of Lawrence, No. 140, adopted in 1953 and revised in 1972, states that a minimum street elevation must be set equal to the spring tide elevation plus 3 feet, and that a minimum first floor elevation of 9.0 feet is required (Village of Lawrence, 1979).

The Village of Massapequa Park has placed riprap along the shore of Great South Bay to protect the park owned by the village. Residents have installed bulkheading along the canal shore. Otherwise, there is no organized or official flood protection system in Massapequa Park, and the village zoning regulations do not delineate any flood zones in the flood-prone areas.

Construction of the causeway across Beaver Lake in the Village of Mill Neck alleviated some flooding along part of the coastal region of Mill Neck Creek. Along the north coast and most of the east coast a bulkhead seawall has been installed, protecting against minor tidal flooding and erosion, and has suffered extensive damage from the wave action. No other form of protection against flooding is known to exist.

Flood damage prevention measures in the Town of North Hempstead are mostly sand beach fill, flood walls, bulkheads, groins, dikes, and levees throughout the area. Homes are generally built to have their first floor 2 feet above the ground level or, if at lower elevations, flood proofing or other flood prevention measures are being taken. Some of the wave action along the shoreline is diminished in places due to the steep slopes rising from the beaches or the shallowness of the waters.

The Village of Oyster Bay Cove has 1.3 miles of coastline, of which a part is lined with cliffs extending 20 feet high. Bulkheads have been constructed along stretches of the coast as protection against erosion and minor flooding. No other structures to protect the village from coastal flooding are known to exist.

In the local zoning ordinance of the Village of Oyster Bay Cove, floodplain management laws exist preventing new construction or improvements to old structures at a first floor elevation lower than 12 feet NGVD 29. Construction of basements and foundations must be of solid concrete, built up to the 12-foot elevation (NGVD 29).

Bulkheads have been installed in the Village of Roslyn on both banks of the channel which passes under Roslyn Viaduct, to provide a stable area for development. The bulkhead protects the adjacent area from minor tidal flooding and erosion. The elevation of the top of the bulkhead ranges between 7.4 and 8.9 (NAVD) feet.

The steep terrain on either side of the shoreline in the Village of Russell Gardens acts as a natural barrier against flooding. The village follows the New York State Building Code for the construction of new residences and improvements to existing property.

The Village of Sands Point has passed an ordinance that states that no building shall be constructed, such that, the floor used for living accommodations shall have an elevation less than 12 feet NGVD 29 above mean high water.

3.0 ENGINEERING METHODS

For the flooding sources studied in detail in the county, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this FIS. Flood events of a magnitude which are expected to be equaled or exceeded once on the average during any 10-, 50-, 100-, or 500-year period (recurrence interval) have been selected as having special significance for floodplain management and for flood insurance rates. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10-, 2-, 1-, and 0.2-percent chance, respectively, of being equaled or exceeded during any year. Although the recurrence interval represents the long term average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than 1 year are considered. For example, the risk of having a flood which equals or exceeds the 100-year flood (1-percent chance of annual exceedance) in any 50-year period is approximately 40 percent (4 in 10), and, for any 90-year period, the risk increases to approximately 60 percent (6 in 10). The analyses reported herein reflect flooding potentials based on conditions existing in the community at the time of completion of this FIS. Maps and flood elevations will be amended periodically to reflect future changes.

3.1 Riverine Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak discharge-frequency relationships for each flooding source studied in detail affecting the county.

Discharges for Massapequa Creek were developed by applying a log-Pearson Type III frequency analysis, as outlined by the Water Resources Council to the 15 years of record subsequent to 1960 of the USGS gaging station No. 1-3095 in Massapequa Lake County Park (Water Resources Council, 1976; U.S. Department of the Interior, 1937-1974). Extensive improvements of Massapequa Creek (i.e., channelization, dredging, etc.) in 1960 created such a noticeable increase in annual peak discharges that the years previous to this are not currently characteristic of the creek.

Because gaging station flows only represent the creek at that location, there was a need to develop flows downstream and upstream of this station. The routing procedure outlined in Water Supply and Wastewater Disposal was performed on the gaging station flows through Massapequa Reservoir (F. Gair, 1954). These outflows were again routed through Massapequa Lake.

New flows were developed at the Southern State Parkway on the main branch of Massapequa Creek. New flows were developed again for the main branch and the Bethpage Parkway branch of Massapequa Creek. Here the creek on the west and east sides of the Bethpage Parkway converge.

The USGS operates a gage on Valley Stream within the Village of Valley Stream, at Valley Stream Boulevard (No. 01311500), approximately 0.4 mile upstream of the corporate limits at Mill Pond and 400 feet upstream of the confluence of Branch 1 of Valley Stream. The gage has a tributary drainage area of 4.5 square miles with continuous gaging records dating from 1954 to the present. Using these basic data, a log-Pearson Type III analysis, without the expected probability adjustment, was performed according to the Water Resources Council Bulletin 17A (Water Resources Council, 1977).

To develop a relationship between the discharges at the gage and the discharges to be used at the downstream corporate limits, it was necessary to examine the drainage basin of Branch 1 of Valley Stream and compare its hydrologic characteristics with the main branch of Valley Stream. The drainage area of Branch 1 of Valley Stream of 4.8 square miles, which is similar in size and shape to the gaged drainage area of the main stream. The relationship used to transpose the gage discharges was derived by developing discharge ratios in both basins, accounting for the average stream slope, the storage characteristics of the stream segment and the basin population. The same methodology was used to estimate the discharge-frequency relationships for Motts Creek based on the gaged analysis for Valley Stream.

The factors described above were consolidated into a discharge index ratio which is used as a multiplier and applied to the known discharges at the gage to obtain the discharges at the point desired. The discharge index ration (DIR) is given as:

$$DIR = Q_1/Q_2 = (A_1/A_2)^m (S_1/S_2)^n (ST_1/ST_2)^p (I_1/I_2)^r$$

Where Q_2 refers to the discharge at the gage location and Q_1 refers to the point for which discharges are to be estimated, and A, S, ST, and I are the drainage area, channel slope, storage index, and impervious cover index, respectively.

The 0.2-percent annual chance discharge for Branch 1 of Valley Stream and Motts Creek were obtained by plotting the respective 10-, 2-, and 1-percent annual chance discharges on log probability paper and extrapolating the Branch 1 and Motts Creek data to 0.2-percent annual chance using the Valley Stream relationship as a guide.

The discharges for Valley Stream at the Village of Valley Stream corporate limits were obtained by adding the gage discharges for Valley Stream and Branch 1 of Valley Stream. The time of peak discharges for both sub areas are approximately equal and there is very little drainage area between the confluence of Branch 1 of Valley Stream with the main stem of Valley Stream and the corporate limits of the community.

Russells Creek, which has a drainage area of 1.29 square miles, has no stream gage located on it. The detailed investigation of streamflow in the drainage basin was made according to the methodology in the Soil Conservation Service (SCS) Technical Paper 149 (U.S. Department of Agriculture, 1973). This method uses the soil type and distribution of the drainage area, the land use, and zoning within the basin, street maps, 24-hour rainfall, and the average watershed land slope

(Village Historian, 1980; U.S. Department of Agriculture, 1976; State of New York, 1975; Hagstrom Company, Inc., 1978; U.S. Department of Commerce, 1963; and Lockwood, Kessler, and Barlett, 1971). To calculate the weighted curve number (CN) used to determine discharges for Russells Creek, two graphs bounding the valuated CN value were used, and a ratio was employed to obtain the final flows. The results of the graphic determination are shown as follows:

	24-Hour Rainfall Intensity (I)	CN Values 75	CN Values 80	Calculated CN 77.3
10-percent annual chance flood	5.10	240	325	279
2-percent annual chance flood	6.35	335	450	388
1-percent annual chance flood	7.10	425	540	478
0.2-percent annual chance flood	8.30*	535	660	593

*Obtained by straight-line extrapolation of values on extreme-value probability paper.

A summary of the drainage area-peak discharge relationships for the streams studied by detailed methods is shown in Table 2, "Summary of Discharges."

TABLE 2 - SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
MASSAPEQUA CREEK					
At USGS gaging station	38.00	360	560	670	990
At Southern State Parkway	35.40	340	540	640	940
Just upstream of confluence of Massapequa Creek Tributary No. 1	15.60	200	320	380	550
Downstream of Massapequa Reservoir	0.00	280	450	530	810
Downstream of Massapequa Lake	0.00	250	390	460	720
MASSAPEQUA CREEK TRIBUTARY NO. 1					
Just upstream of confluence with Massapequa Creek	17.90	220	350	410	610
Just upstream of confluence of Massapequa Creek Tributary No. 2	8.90	140	220	260	380

TABLE 2 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
MASSAPEQUA CREEK TRIBUTARY NO. 2					
Just upstream of confluence with Massapequa Creek Tributary No. 1	9.00	140	220	260	380
MOTTS CREEK					
At Valley Stream downstream corporate limits	4.50	388	602	755	1,180
RUSSELLS CREEK					
At Russell Gardens downstream corporate limits	1.29	279	388	478	593
VALLEY STREAM					
At Valley Stream downstream corporate limits	9.30	350	1,098	1,377	2,206
At USGS gaging station	4.50	235	423	532	876

3.2 Riverine Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals.

Some cross sections for Massapequa Creek, Massapequa Creek Tributary No. 1, and Massapequa Creek Tributary No. 2 were obtained from field surveys, and others were developed from construction plans. These cross sections were spaced at specified intervals along the stream channel so that hydraulic properties would be accurately modeled by the computer.

For Russells Creek, Valley Stream, and Motts Creek, below-water cross sections were obtained from field surveys. Overbank topography for Russells Creek was obtained from aerial photographs taken in 1971 and topographic maps (Lockwood, Kessler, and Bartlett, 1971). Overbank topography for Valley Stream and Motts Creek was obtained from strip aerial photography taken in December 1978, at a scale of 1:4,800 (Geod Aerial Mapping, Inc., 1978). All bridges, dams, and culverts were field surveyed to obtain elevation data and structural geometry.

Water-surface elevations of floods of the selected recurrence intervals were computed using the USACE HEC-2 step-backwater computer program (USACE, 1991).

For Russells Creek, the computer model was calibrated using high-water marks from the January 1979 flood, which were obtained from interviews with local residents and Village of Russell Gardens officials.

Starting water-surface elevations for Massapequa Creek began at Massapequa Lake by applying a spillway analysis at the downstream end of the lake, where there are two spillways flowing into tidal waters.

Starting water-surface elevations for Russells Creek were determined by performing rating curve analyses on the culvert whose entrance is located upstream of Great Neck Road. This method was used due to the varying hydraulic effects a culvert of this size has on water-surface elevations.

Starting water-surface elevations for Valley Stream and Motts Creek were developed using the slope/area method at the downstream end of the open channel with the tidal influence due to Head of bay superimposed on it. The computer models for Valley Stream and Motts Creek were calibrated using high-water marks from the January 1979 flood, which were obtained from interviews with residents and officials of the Village of Valley Stream.

Roughness factors (Manning's "n") were chosen by engineering judgment and based on field observations of the stream and floodplain areas. The channel and overbank "n" values for the streams studied by detailed methods are shown in the following tabulation:

Stream	Channel "n"	Overbank "n"
Massapequa Creek	0.025-0.040	0.030-0.080
Massapequa Creek Tributary No. 1	0.025-0.040	0.030-0.080
Massapequa Creek Tributary No. 2	0.025-0.040	0.030-0.080
Motts Creek	0.015-0.048	0.030-0.100
Russells Creek	0.015-0.080	0.035-0.100
Valley Stream	0.015-0.035	0.100-0.250

Riverine Approximate Analyses

For the flooding sources studied by approximate methods in the Village of Laurel Hollow, the 1-percent annual chance flood elevation was determined by conversations with village officials and referring to the USGS flood-prone area maps of the study area (Village Building Inspector, 1979; Village Deputy Clerk, 1979; Lockwood, Kessler, and Bartlett, 1971; and U.S. Department of the Interior, 1968).

The hydraulic analyses for this FIS were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

All qualifying bench marks within a given jurisdiction that are cataloged by the National Geodetic Survey (NGS) and entered into the National Spatial Reference System (NSRS) as First or Second Order Vertical and have a vertical stability classification of A, B, or C are shown and labeled on the FIRM with their 6-character NSRS Permanent Identifier.

Bench marks cataloged by the NGS and entered into the NSRS vary widely in vertical stability classification. NSRS vertical stability classifications are as follows:

- Stability A: Monuments of the most reliable nature, expected to hold position/elevation well (e.g., mounted in bedrock)
- Stability B: Monuments which generally hold their position/elevation well (e.g., concrete bridge abutment)
- Stability C: Monuments which may be affected by surface ground movements (e.g., concrete monument below frost line)
- Stability D: Mark of questionable or unknown vertical stability (e.g., concrete monument above frost line, or steel witness post)

In addition to NSRS bench marks, the FIRM may also show vertical control monuments established by a local jurisdiction; these monuments will be shown on the FIRM with the appropriate designations. Local monuments will only be placed on the FIRM if the community has requested that they be included, and if the monuments meet the aforementioned NSRS inclusion criteria.

To obtain current elevation, description, and/or location information for bench marks shown on the FIRM for this jurisdiction, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their Web site at www.ngs.noaa.gov.

It is important to note that temporary vertical monuments are often established during the preparation of a flood hazard analysis for the purpose of establishing local vertical control. Although these monuments are not shown on the FIRM, they may be found in the Technical Support Data Notebook associated with this FIS and FIRM. Interested individuals may contact FEMA to access this data.

3.3 Coastal Hydrologic Analyses

Initial Countywide Analyses

For the April 2, 1997, FIS, each community within Nassau County, except the Villages of Atlantic Beach, Bellerose, Brookville, East Hills, East Williston, Farmingdale, Floral Park, Garden City, Great Neck Plaza, Hempstead, Island Park,

Kensington, Lake Success, Lynbrook, Malverne, Matinecock, Mineloa, Munsey Park, Muttontown, North Hills, New Hyde Park, Old Brookville, Old Westbury, Plandome, Plandome Heights, Port Washington North, Roslyn Estates, South Floral Park, Stewart Manor, Thomaston, Upper Brookville, Westbury, and Williston Park had a previously printed FIS report describing each community's hydrologic analyses. This section compiles information regarding stillwater surge elevation determination methodology from previous FISs for Nassau County communities located along the Long Island Sound.

The stillwater surge elevation is the elevation of the water due solely to the effects of the astronomical tides, storm surge, and wave setup on the water surface.

For all of the coastal flooding sources studied by detailed methods, a Log Pearson Type III analysis, without expected probability, was performed for the data of all long-term gages in the particular community's vicinity (Water Resources Council, 1977).

For the Villages of Baxter Estates, Glen Cove, Great Neck Estates, Manorhaven, Port Washington North, Roslyn, Roslyn Harbor, and Sands Point, the results of this analysis were stage-related to the community through gage records from Glen Cove Yacht Club.

The hydrologic analyses for the flooding sources studied by detailed methods in the Village of Flower Hill were taken from the FISs for the Villages of Roslyn and Roslyn Harbor, which are described above (FEMA, July 1983; FEMA, June 1983).

For the Village of Saddle Rock, the results of the analysis were stage-related to the community.

For the Village of Lattingtown, stillwater elevations for Long Island Sound were determined by interpolating between the elevations obtained from the FISs for the City of Glen Cove and the Town of Oyster Bay (FEMA, 1984; FEMA, 1982). The stillwater elevations for Mill Neck Creek were directly obtained from the FIS for the Village of Bayville (FEMA, 1983).

The stillwater-surge elevations for each flooding source studied in the Villages of Bayville, Centre Island, Cove Neck, Laurel Hollow, and Oyster Bay Cove were determined by performing a Log Pearson Type III analysis, without expected probability, on the data from the Willets Point gage, with a period of record from 1931 to 1976, and the Stamford gage (Water Resources Council, 1977). These elevations were stage-related to the shoreline of the communities through gage records from Eaton's Neck, with a period of record from August 1, 1957, to December 31, 1958. Due to the complexity of the coastline of these communities, a numerical estuarine model was developed to study the surge levels throughout Oyster Bay Harbor (Harris-Toups Associates, 1979). The results of the numerical model were used to verify the water level elevations along the shoreline of Oyster Bay Harbor. For the Villages of Cove Neck, Laurel Hollow, and Mill Neck, the results of the numerical model were used to verify the water level elevations along the shorelines of Oyster Bay Harbor, Cold Spring Harbor, Mill Neck Creek, and Beaver Lake.

For the Villages of Great Neck, Kings Point, and Plandome Manor, the results of the log-Pearson analysis were stage-related to the community through gage records from Glen Cove Yacht Club. Elevations for Udalls Mill Pond were taken from the FIS for the Village of Saddle Rock (FEMA, unpublished).

The stillwater-surge elevation is the elevation of the water due solely to the effects of the astronomical tides, storm surges, and water setup on the water surface. The inclusion of wave heights, which is the distance from the trough to the crest of the wave, increases the water-surface elevations. The height of a wave is dependent upon wind speed and its duration, depth of water, and length of fetch. The wave crest elevation is the sum of the stillwater elevation and the portion of the wave height above the stillwater elevations.

The stillwater elevations for the flooding sources studied by detailed methods in the Long Island Sound portion of the Town of Oyster Bay were taken from the FISs for the Villages of Bayville and Oyster Bay Cove, Massapequa Park, Mill Neck, and Roslyn Harbor (FEMA, unpublished; FEMA, 1983; FEMA, unpublished; FEMA, unpublished; FEMA, unpublished; FEMA, unpublished).

The locations of the Battery, Bridgeport, Fort Hamilton, Montauk, New London, Port Jefferson, and Willets Point gaging stations are shown in Figure 4, "Location Map of Tidal Gaging Stations."

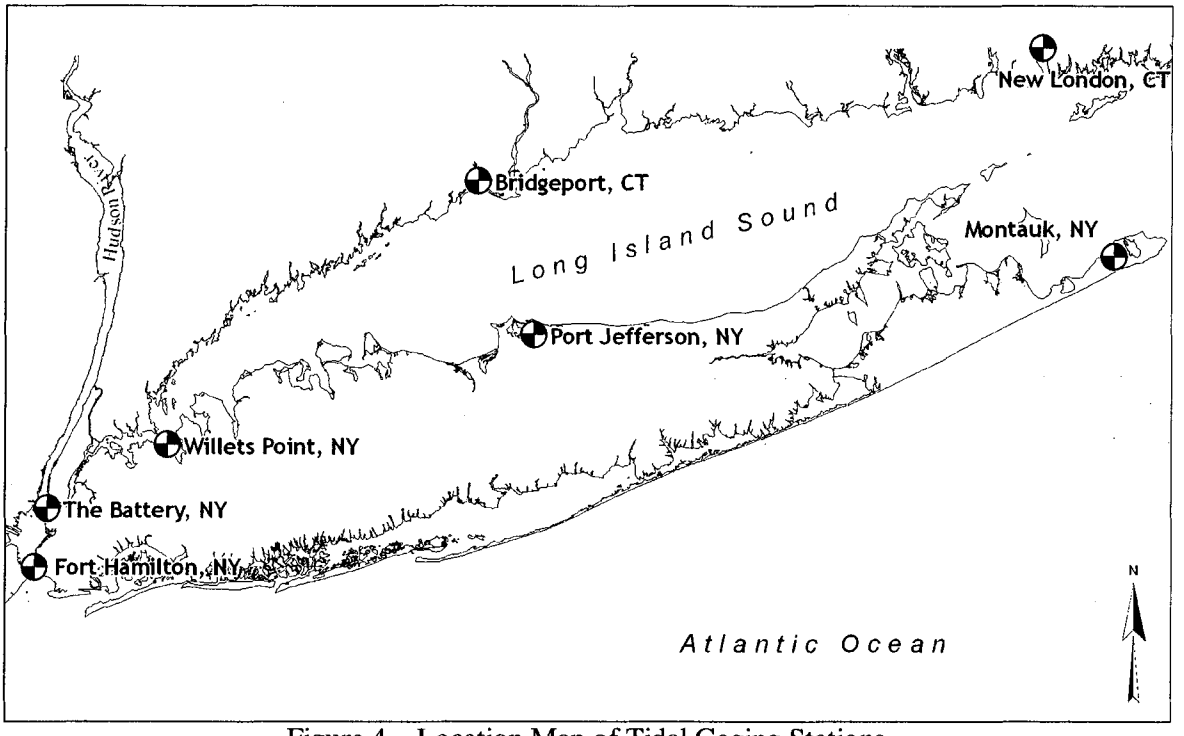


Figure 4 – Location Map of Tidal Gaging Stations

Countywide Revised Analyses

The increased period of record (25 years for the majority of communities) since the previous stillwater analyses was relatively quiescent, and analysis conducted by the National Oceanic and Atmospheric Administration (NOAA) suggested that stillwater elevations had slightly decreased over previous values (Zervas, 2005). Based on this information, it was necessary to update stillwater elevations for Nassau County. This was accomplished by implementing stage frequency analysis conducted by the USACE, New York District for the Atlantic coast and south shore bays, and conducting an updated gage analysis for the Long Island Sound coast and bays. The updated gage analysis for the Long Island Sound builds on the analyses conducted for the individual communities described above from a compilation of previous studies.

The New York District of the USACE conducted a baseline stage frequency elevation study for the south shore of Long Island (USACE, 2006) as part of the Fire Island to Montauk Point Reformulation Project (FIMP). The modeling method for the study involved simulation of historical tropical and extratropical events using the ADvanced CIRCulation (ADCIRC) and Delft3D hydrodynamic models. The ADCIRC model was used to simulate water levels along the open coast, whereas the Delft3D model was employed to simulate back-bay water levels. The models were calibrated to tidal water levels and model performance was extensively verified against 12 historical events, including notable events such as the September 1938 hurricane, March 1962 northeaster, and December 1992 northeaster. Modeled results had excellent agreement with measured water levels for both types of events. A total of 14 historical tropical events and 22 extratropical storms were simulated to develop stillwater elevations. The Empirical Simulation Technique (EST) was used to calculate the combined stillwater frequency curves for the 10-, 2-, 1-, and 0.2-percent annual chance stillwater elevations. The results of the USACE FIMP study are preliminary at this time. The USACE FIMP study represented the best available data and offered a significant improvement in data quality, resolution and accuracy over the 1997 FIS stillwater elevations for the south shore of Nassau County (FEMA, 1997). The base stillwater elevations from the 1997 FIS were over 27 years old (conducted in 1981). Subsequent to that study, three surge events greater than the previous storm of record (Hurricane Donna) have occurred. For these reasons, the USACE stillwater elevations, which have been subject to independent technical review, were adopted for this study. The terms of use of this data are provided in a Memorandum of Understanding between USACE, New York District, and FEMA Region 2, executed on February 4, 2008.

In addition to the hydrodynamic models, two-dimensional wave modeling and was carried out by the USACE for the FIMP study. Results from these models were not included in the updated stillwater levels, and wave effects were modeled separately for this study using standard FEMA methodologies.

A gage analysis at New London, Connecticut NOAA water level station was undertaken to update stillwater elevations for communities along the Long Island Sound coast of Nassau County. The New London station was chosen based on the length and quality of water level record, in addition to representation of

significant historical surge events. Gages at Willets Point, New York, and Port Jefferson, New York, were in closer proximity to the study area, but lacked the quality and quantity of data present at the New London station. Stage frequency relationships were developed for the period of record between 1938 and 2006 using the L-moments Generalized Extreme Value (GEV) statistical method, recommended as a standard FEMA methodology (FEMA, 2007). The potential of maximum surge occurring at low or high tide during tropical events was accounted for by employing a mixed population sampling method. Comparison of results for the 1-percent annual chance return period against the NOAA value (Zervas, 2005) showed minimal difference and provided validation of the analysis. Results are reported in Table 3.

TABLE 3 - STILLWATER ELEVATIONS AS DETERMINED FOR THE NEW LONDON, CONNECTICUT, GAGE

ELEVATION, FEET NAVD 88			
10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
5.18	6.73	7.45	9.28

Existing stillwater elevations (FEMA, 1997) were revised by applying the differences between the updated and existing analysis (FEMA, 1983) at New London, Connecticut, to the stillwater return period elevations at each study transect in Nassau County. Differences at the 10-, 2-, 1-, and 0.2-percent annual chance floods at New London, Connecticut, are given in Table 4.

TABLE 4 - DIFFERENCE BETWEEN PREVIOUS AND UPDATED STILLWATER ELEVATIONS AT NEW LONDON, CONNECTICUT

	ELEVATION, FEET			
	10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
PRE-EXISTING NGVD 1929	7.1	9	10	12.4
PRE-EXISTING NAVD 1988*	6.1	8	9	11.4
UPDATED NAVD 1988	5.18	6.73	7.45	9.28
DIFFERENCE:	-0.95	-1.3	-1.58	-2.15

*CONVERSION FACTOR OF 0.97 FT

The stillwater elevations for the 10-, 2-, 1-, and 0.2-percent annual chance floods have been determined for all of the flooding sources studied by detailed methods, and are summarized in Table 5, "Summary of Stillwater Elevations."

TABLE 5 – SUMMARY OF STILLWATER ELEVATIONS

FLOODING SOURCE AND LOCATION	ELEVATION (feet NAVD*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
ATLANTIC OCEAN				
Shoreline within the Town of Hempstead from Silver Point to about 5,000 feet west of Jones Inlet	6.7	8.8-8.9	9.9-10.2	12.0-12.5
Shoreline within the Town of Hempstead from about 5,000 feet west of Jones Inlet to Jones Inlet	6.6	8.5	9.4	11.2
Shoreline from Jones Inlet within the Town of Hempstead to the Oyster Bay/Babylon corporate limits	6.7	8.9-9.0	10.2-10.3	12.6-12.7
BALDWIN BAY				
Shoreline within the Village of Freeport and the Town of Hempstead	6.3-6.4	7.4-7.5	7.8-7.9	8.5-8.6
BROSEWERE BAY	6.7	8.2	8.9	9.8
EAST BAY				
Shoreline within the Town of Hempstead	5.6-6.0	6.7-7.1	7.0-7.4	7.7-8.1
HEAD OF BAY				
Shoreline within the Town of Hempstead	7.2	9.8	11.4	14.2
HEMPSTEAD HARBOR				
Shoreline within the Village of Sands Point from about 2,500 feet east of Sands Point to Mott Point	7.3	9.9-10.1	10.9	13.5
HEWLETT BAY				
Shoreline within the Town of Hempstead	6.7	8.1	8.7	9.5
LITTLE NECK BAY				
Shoreline within the Villages of Great Neck Estates, Saddle Rock and within the Village of Kings Point from the Saddle Rock/Kings Point corporate limits to Elm point	6.8	9.6-9.9	10.2	12.8

*North American Vertical Datum of 1988

TABLE 5 – SUMMARY OF STILLWATER ELEVATIONS – continued

FLOODING SOURCE AND LOCATION	ELEVATION (feet NAVD*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
LONG ISLAND SOUND				
Shoreline within the Village of Kings Point from Elm point to about 4,500 feet southwest of Hewlett Point	6.9	9.9	10.4	13.0
Shoreline within the Village of Kings Point from about 4,000 feet southwest of Hewlett Point to about 3,500 feet southeast of Hewlett Point	7.0	9.9	10.6	13.0
Shoreline within the Village of Sands Point from Plum Point to about 2,500 feet east of Sands Point	7.0	9.9	10.6	13.0
Shoreline from Mott Point within the Village of Sands Point to about 1.1 mile southwest of Weeks Point within the City of Glen Cove	7.3	9.9-10.1	10.9	13.5
Shoreline within the City of Glen Cove from about 1.1 mile southwest of Weeks Point to about 3,500 feet southeast of Matinecock Point	6.3-7.0	8.7-9.1	10.6	13.0
Shoreline from about 3,500 feet southeast of Matinecock Point within the City of Glen Cove to Peacock Point within the Village of Lattingtown	6.3	8.7	10.5	13.0
Shoreline within the Village of Lattingtown from Peacock Point to about 2,000 feet east of Peacock Point	6.3	8.7	10.1	12.6
Shoreline within the Village of Lattingtown from about 2,000 feet east of Peacock Point to about 4,000 feet east of Peacock Point	6.3	8.7	9.9	12.4
Shoreline within the Village of Lattingtown from about 4,000 feet east of Peacock Point to Fox Point	6.3	8.7	9.7	12.1
Shoreline from about 4,000 feet east of Peacock Point to Fox Point within the Village of Lattingtown to Rock Point within the Village of Center Island	6.3	8.7	9.4	12.0
MANHASSET BAY				
Shoreline from about 3,500 feet southeast of Hewlett Point within the Village of Kings Point to Plum Point within the Village of Sands Point	7.3	9.9-10.2	10.9	13.5

*North American Vertical Datum of 1988

TABLE 5 - SUMMARY OF STILLWATER ELEVATIONS - continued

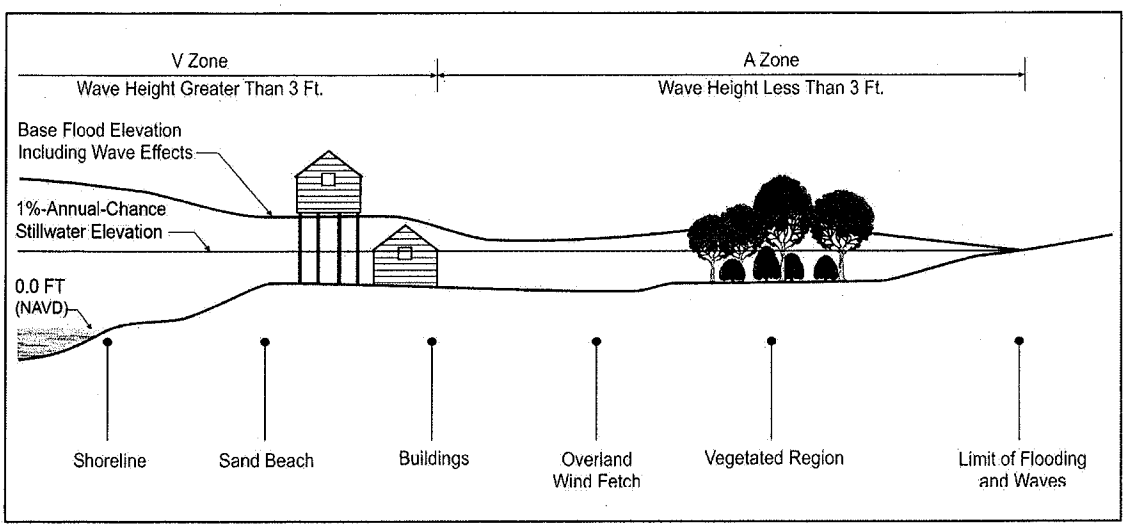
FLOODING SOURCE AND LOCATION	ELEVATION (feet NAVD*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
MIDDLE BAY				
Shoreline within the Town of Hempstead	6.5	7.7-7.8	8.1-8.3	8.7-8.9
OYSTER BAY				
From Rock Point within the Village of Center Island to the Laurel Hollow/Huntington corporate limits	6.3	8.7-8.8	9.4	12.0
REYNOLDS CHANNEL				
Southern Shoreline within the Village of Lawrence	6.7	8.6	9.4-9.6	11.1-11.4
SOUTH OYSTER BAY				
Shoreline within the Town of Hempstead	5.2-5.5	6.2-6.4	6.5-6.8	7.2-7.5
WRECK LEAD CHANNEL				
Shoreline within the Town of Hempstead	6.6-6.7	7.9-8.0	8.4	9.0-9.1

*North American Vertical Datum of 1988

3.4 Coastal Hydraulic Analyses

Areas of coastline subject to significant wave attack are referred to as coastal high hazard zones. The USACE has established the 3.0-foot breaking wave as the criterion for identifying the limit of coastal high hazard zones (USACE, 1975). The 3.0-foot wave has been determined as the minimum size wave capable of causing major damage to conventional wood frame and brick veneer structures.

Figure 5, "Transect Schematic," illustrates a profile for a typical transect along with the effects of energy dissipation and regeneration on a wave as it moves inland. This figure shows the wave crest elevations being decreased by obstructions, such as buildings, vegetation, and rising ground elevations, and being increased by open, unobstructed wind fetches. The figure also illustrates the relationship between the local still water elevation, the ground profile and the location of the V/A boundary. This inland limit of the coastal high hazard area is delineated to ensure that adequate insurance rates apply and appropriate construction standards are imposed, should local agencies permit building in this coastal high hazard area.



TRANSECT SCHEMATIC Figure 5

For the south shores of Nassau County the deepwater wave conditions associated with the 1-percent annual chance storm were developed using the Automated Coastal Engineering System (ACES) Extreme Significant Wave Heights technique. The approach developed by Goda (1998) fits a probability distribution to an array of extreme significant wave heights. Data from seventeen Wave Information Study (WIS) hindcast stations and one NOAA buoy, located along Nassau and Suffolk County south shores, were selected to represent the storms climatology (accounting for both tropical and extra-tropical storms). The maximum wave height was extracted from the record at each selected station and fit into a Weibull distribution. The results at the NOAA buoy (#44025) were selected to be representative of the 1-percent annual chance wave conditions based on the quality of data fit and comparison with historical observational data.

The extreme analysis technique returns only a wave height. The associated wave period was determined based on observed deepwater wave steepness of tropical and extratropical storms (H/L = 0.035 as average between wave steepness of the two type of events - as per FEMA, 2003). The wave calculated at the NOAA station was then adjusted in order to be representative of deepwater conditions, and then applied at each transect location along the Nassau County shoreline exposed to the Atlantic Ocean.

For the Long Island Sound shore of Nassau County, and in bays and harbors where restricted fetch limits wave development, a fetch analysis was performed using the Automated Coastal Engineering System (ACES) Wave Prediction technique to determine the starting wave condition at each transect location. Wind direction, length of fetch and decay in wind intensity due to land friction were accounted for at each calculation location.

FEMA guidelines for V Zone mapping define H_s as the significant wave height or the average over the highest one third of waves and T_s as the significant wave

period associated with the significant wave height. Mean wave conditions are described as:

$$\overline{H} = H_s \times 0.626$$
$$\overline{T} = T_s \times 0.85$$

where $\overline{H}$ is the average wave height of all waves and $\overline{T}$ is the average wave period.

The transects were located with consideration given to the physical and cultural characteristics of the land so that they would closely represent conditions in their locality. Transects were spaced close together in areas of complex topography and dense development. In areas having more uniform characteristics, transects were spaced at larger intervals. It was also necessary to locate transects in areas where unique flooding existed and in areas where computed wave heights varied significantly between adjacent transects. Transects are shown on the FIRM panels for the Nassau County, New York.

The transect profiles were obtained using bathymetric and topographic data from various sources. The topographic dataset is predominately comprised of vector contour data provided by Nassau County, New York. These were derived from April 1993 stereo photography and New York State High Resolution Statewide Digital Orthoimagery Program photography collected April 2004. The data were delivered in NAD 83 New York State Plane East, Long Island, in units of feet. Elevations were relative to NGVD 1929. To facilitate floodplain analysis, the provided vector data were processed into a digital elevation model (DEM). This was accomplished in a two-step process. First, a triangulated irregular network (TIN) was created from the vector contours. Quality control showed that contours were occasionally incomplete, especially in developed areas. The contours and TIN were edited as needed to correct for this, and ensure the best representation of the topographic surface. Once this editing was complete, the TIN was converted to a DEM surface with a grid spacing of 10 feet. Finally, the topographic DEM surface was limited to areas above the shoreline and within the county boundaries. On the south shore, the topography was limited to the continuous 30-foot contour. The base elevation dataset vertical datum was converted from NGVD 1929 to NAVD 1988 using Corpscon 6.0. The relative difference between the two datums was determined on a 100 ft grid spanning the entire domain of the topographic data coverage. The conversion was applied by adding the datum raster to the base topographic DEM. The average difference in elevation within the domain of the topographic data was -1.1 feet, where NAVD = NGVD - 1.1 feet.

More recent topographic LiDAR data, collected by the USACE Compact Hydrographic Airborne Rapid Total Survey (CHARTS) system were available for the barrier islands on the south shore of Nassau County. In accordance with FEMA's "best available data" policy, this data was incorporated into the topographic dataset. CHARTS bare earth LiDAR data collected in October and November 2005 for the Atlantic coast of Long Island were provided by the

USACE Joint Airborne LiDAR Technical Center of Expertise (JALBTCX) in NAD 83 UTM Zone 18 North coordinates, and the vertical datum was referenced to NAVD 88 in units of meters. The data were reprojected into NAD 83 New York State Plane East, Long Island, in units of feet to facilitate integration into the main topographic dataset. Complete coverage of the topographic portion of Long and Jones Beach Islands was not provided by the CHARTS data. Edge matching was a concern after integration of the CHARTs data; however, review subsequent to integration of the two datasets showed minimal differences.

Bathymetric data was primarily sourced from NOAA National Ocean Service (NOS) hydrographic surveys dating from 1884-2000. Vertical datum varied by NOS survey, usually in mean lower low water (MLLW), although some surveys were in mean low water (MLW). All depths were brought to mean sea level (MSL) using established datum relationships sourced from NOAA water level stations. Data in Long Island Sound (LIS), the south shore bays (i.e., Great South Bay), and the open ocean were treated with the appropriate conversion factors from gages available within each basin. Review of NGS available datum relationships between MSL and NAVD 1988 showed that the average difference in the region was 0.18 foot, with a standard deviation of 0.08 foot. This value was considered within the vertical accuracy of the datasets and a passive conversion was assumed. Data were then reprojected to the NAD 83 New York State Plane East, Long Island, coordinates in units of feet.

Voids in the base bathymetry were filled with the best available supplemental data. These data consisted of NOAA Electronic Navigation Chart (ENC) soundings, and the NOAA National Geophysical Data Center coastal relief model. Data were reprojected and the vertical datum and units were converted as necessary for implementation into the main bathymetric dataset.

For the south shore bathymetry, the age of the NOS soundings in the nearshore and lack of water penetration by the CHARTS resulted in a poor representation of the nearshore bathymetry and a problematic tie-in with the topographic surface. An improved tie-in between the bathymetric and topographic surfaces was achieved by incorporating Atlantic Coast of New York Monitoring Program coastal cross-sections into the bathymetry. The most completed coverage was provided by the April 2001 profiles. These data were processed to removal all topographic elevations, and then a vertical datum conversion from NGVD 1929 to NAVD 1998 was applied using Corpscon 6.0. The profiles were then incorporated into the bathymetric dataset and any overlapping data from older hydrographic surveys were removed.

Storm-induced beach erosion is well documented along the Atlantic and Long Island Sound coastlines of Nassau County. Review of the literature showed that the standard FEMA (2003) and FEMA (2007) Guidelines and Specifications for Flood Hazard Mapping Partners methodology were applicable for the Atlantic coast of Suffolk County. Where dunes were identified and delineated, the VE Zone was mapped up to the extent of the Primary Frontal Dune (PFD). Non-standard erosion techniques were applied to glacial cliffs and bluffs along the Long Island Sound shoreline. These techniques are summarized below.

Erosion methodologies for glacial cliffs and bluffs were guided by literature review and observed historical storm-induced erosion. For glacial cliffs, the standard area of 540 square feet was eroded. The standard area of 540 square feet resulted in excessive erosion for bluffs morphologies and therefore the erosion area was decreased to 175 square feet. This value is similar to methodologies adopted for the Great Lakes. In addition, the standard inflection point for the eroded profile transition from the middle to steep slopes was changed from the 1-percent annual chance stillwater elevation to an elevation of 4.5 feet for cliffs and bluffs along Long Island Sound. This change in elevation for the inflection point resulted in an eroded profile more representative of the erosion response observed in historical events and prevents excessive retreat areas due to improper profile geometry.

Nearshore wave-induced processes, such as wave setup and wave runup, constitute a greater part of the combined wave envelope than storm surge due to the islands' high cliffs and location exposed to ocean waves. For this particular environment, the Direct Integrated Method (FEMA, 2007) was used to determine wave setup along the coastline.

Wave height calculation used in this study follows the methodology described in the FEMA (2003) and the FEMA (2007) Guidelines and Specifications for Flood Hazard Mapping Partners.

RUNUP 2.0 was used to predict wave runup value on natural shore then adjusted to follow the FEMA (2005) "Procedure Memorandum No. 37" that recommends the use of the 2% wave runup for determining base flood elevations. Wave runup on vertical structures, withstanding the 1-percent annual chance event, was computed using the Shore Protection Manual (SPM) Method. For wave run-up at the crest of a slope that transitions to a plateau or downslope, run-up values were determined using the "Methodology for wave run-up on a hypothetical slope" as described in the FEMA (2003) and the FEMA (2007) Guidelines and Specifications for Flood Hazard Mapping Partners.

Figure 6, "Transect Location Map," illustrates the location of each transect. Along each transect, wave envelopes were computed considering the combined effects of changes in ground elevation, vegetation and physical features. Between transects, elevations were interpolated using topographic maps, land-use and land-cover data, and engineering judgment to determine the aerial extent of flooding. The results of the calculations are accurate until local topography, vegetation, or cultural development within the community undergo major changes. The transect data for the county are presented in Table 6, "Transect Descriptions," which describes the location of each transect. In addition, Table 6, provides the 1-percent annual chance stillwater, wave setup and maximum wave crest elevations for each transect along the island coastline. In Table 7, "Transect Data," the flood hazard zone and base flood elevations for each transect flooding source is provided, along with the 10-, 2-, 1-, and 0.2-percent annual chance stillwater elevations for the respective flooding source.

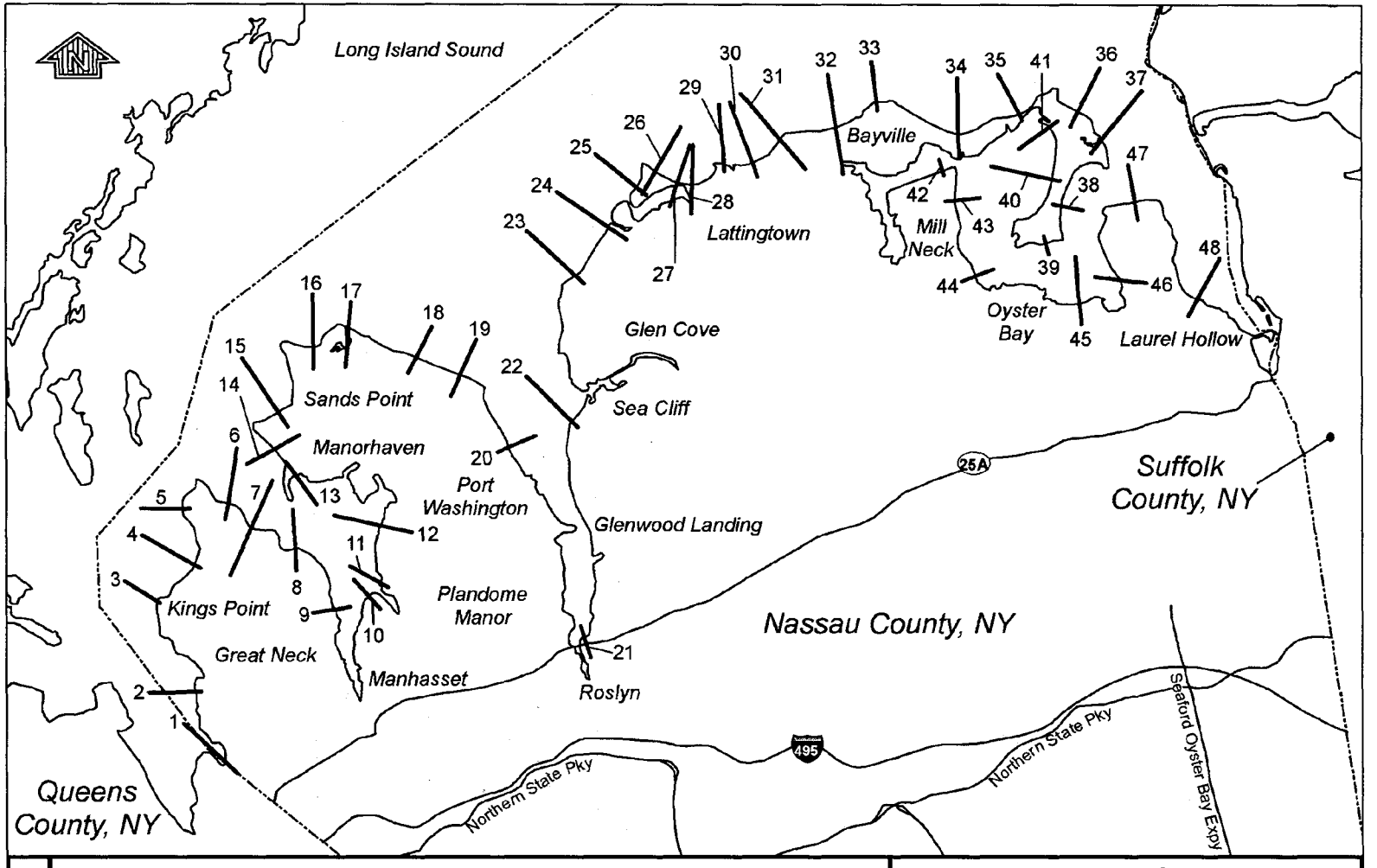


Figure 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NEW YORK (ALL JURISDICTIONS)

LONG ISLAND SOUND COAST

Approximate Scale

0 0.5 1 2 3 4 Miles

TRANSECT LOCATION MAP

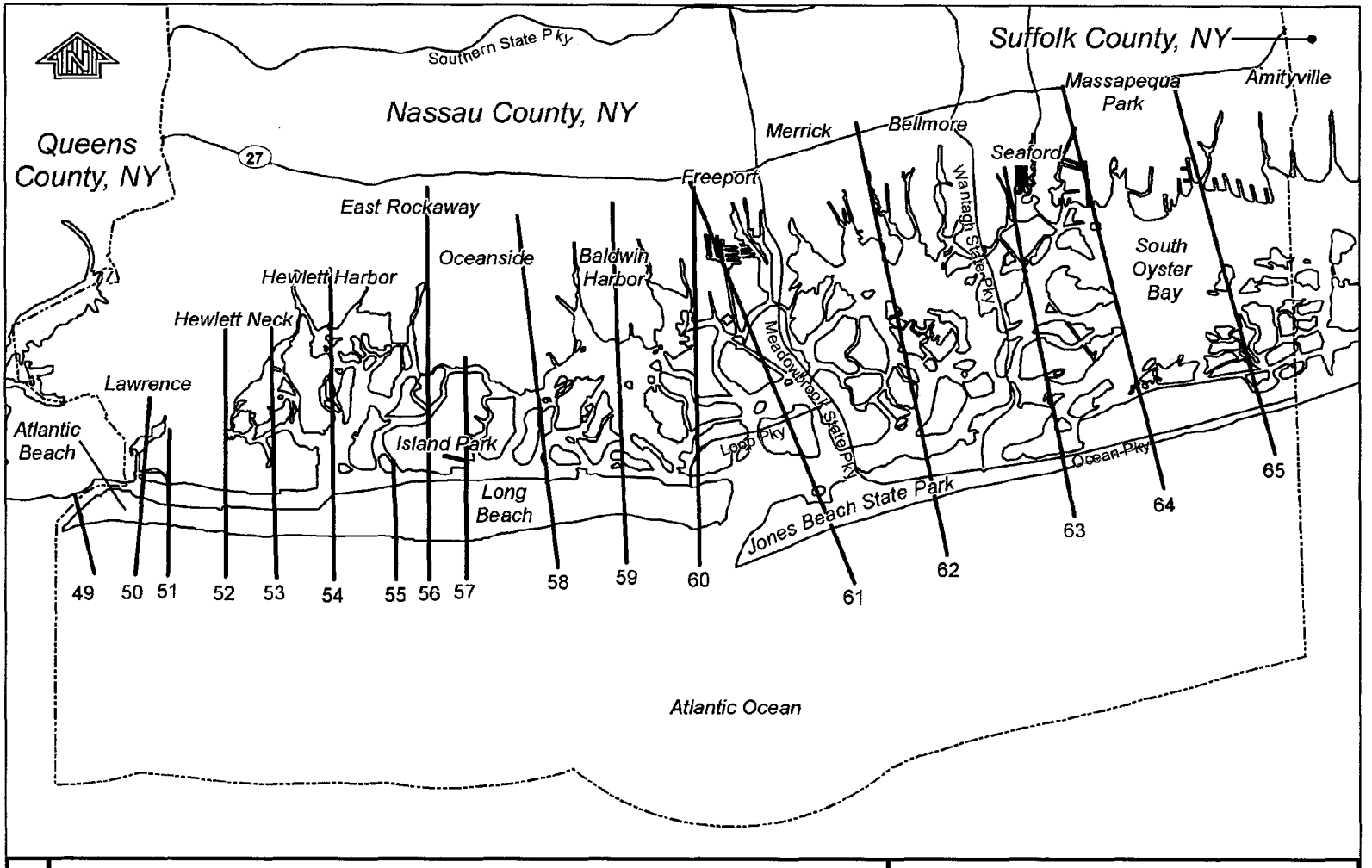


Figure 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NEW YORK (ALL JURISDICTIONS)

ATLANTIC COAST

Approximate Scale

0 0.5 1 2 3 4 Miles

TRANSECT LOCATION MAP

TABLE 6 - TRANSECT DESCRIPTIONS

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
1	On the Little Neck Bay coastline, on the north side of Long Island, approximately 1,220 feet southwest of intersection of Cedar Drive and Aspen Place, located in North Hempstead, at N 40.780553°, W 73.746432°	10.2	0.6	15.8
2	On the Little Neck Bay coastline, on the north side of Long Island, approximately 550 feet northwest of intersection of Long Fellow Road and Grist Mill Lane, located in North Hempstead, at N 40.794688°, W 73.753707°	10.2	0.8	24.9[1]
3	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,120 feet northwest of intersection of Steamboat Road and Elmridge Road, located in North Hempstead, at N 40.813476°, W 73.764757°	10.2	1.1	16.6
4	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,200 feet northwest of intersection of Kings Point Road and Lighthouse Road, located in North Hempstead, at N 40.820563°, W 73.753916°	10.4	0.7	15.9
5	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,440 feet northwest of intersection of Pond Road and Rodney Lane, located in North Hempstead, at N 40.832168°, W 73.756630°	10.6	0.8	16.5[1]
6	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,550 feet northeast of intersection of Kings Point Road and Pond Road, located in North Hempstead, at N 40.832720°, W 73.745134°	10.6	0.9	16.9
7	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,340 feet northeast of intersection of Split Rock Dr and Farmers Road, located in North Hempstead, at 40.828007°, W 73.738895°	10.9	0.8	17.0
8	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,550 feet northeast of intersection of Blossom Road and Broadlawn Avenue, located in North Hempstead, at N 40.823704°, W 73.727019°	10.9	0.7	16.8

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
9	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,140 feet northeast of intersection of Shore Road and Rogers Road, located in North Hempstead, at N 40.811446°, W 73.716557°	10.9	0.4	14.2
10	On the Manhasset Bay coastline, on the north side of Long Island, approximately 770 feet northwest of intersection of Bayview Road and Heritage Way, located in North Hempstead, at N 40.813850°, W 73.706949°	10.9	0.7	19.0[1]
11	On the Manhasset Bay coastline, on the north side of Long Island, approximately 950 feet northwest of intersection of Plandome Road and Water Lane, located in North Hempstead, at N 40.816764°, W 73.703885°	10.9	0.6	16.7
12	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,610 feet southwest of intersection of Carlton Avenue and Prospect Avenue, located in North Hempstead, at N 40.828626°, W 73.703840°	10.9	0.5	15.2
13	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,200 feet southwest of intersection of Cornwall Lane and Prospect Lane, located in North Hempstead, at N 40.839059°, W 73.726847°	10.9	0.6	14.6
14	On the Manhasset Bay coastline, on the north side of Long Island, approximately 1,570 feet northwest of intersection of Hicks Lane and Barkers Pt Road, located in North Hempstead, at N 40.844274°, W 73.732651°	10.6	0.7	22.4[1]
15	On the Long Island Sound coastline, on the north side of Long Island, approximately 3,160 feet northwest of intersection of Hicks Lane and Barkers Pt Road, located in North Hempstead, at N 40.851481°, W 73.731051°	10.6	0.7	16.4
16	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,170 feet northeast of intersection of Middle Neck Road and Lighthouse Road, located in North Hempstead, at N 40.865230°, W 73.721887°	10.6	1.2	17.6

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
17	On the Long Island Sound coastline, on the north side of Long Island, approximately 4,630 feet northwest of intersection of Middle Neck Road and Longwood Road, located in North Hempstead, at N 40.869610°, W 73.712278°	10.9	1.9	19.4
18	On the Long Island Sound coastline, on the north side of Long Island, approximately 3,270 feet northeast of intersection of Middle Neck Road and Luckenbach Lane, located in North Hempstead, at N 40.862931°, W 73.694274°	10.9	1.6	20.0
19	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,940 feet northeast of intersection of Mimosa Lane and Old House Lane, located in North Hempstead, at N 40.859189°, W 73.682512°	10.9	1.3	18.2
20	On the Hempstead Harbor coastline, on the north side of Long Island, approximately 2,720 feet northeast of intersection of East Road and Middle Road, located in North Hempstead, at N 40.844740°, W 73.668900°	10.9	1.3	22.5[1]
21	On the Hempstead Harbor coastline, on the north side of Long Island, approximately 770 feet northwest of intersection of Bryant Avenue and Wittes Lane, located in North Hempstead, at N 40.805712°, W 73.649359°	10.9	0.3	13.8
22	On the Hempstead Harbor coastline, on the north side of Long Island, approximately 730 feet northwest of intersection of Prospect Avenue and Maple Avenue, located in Oyster Bay, at N 40.849822°, W 73.652273°	10.9	1.0	17.4
23	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,300 feet northwest of intersection of Seaward Avenue and Old Estate Road, located in Oyster Bay, at N 40.879801°, W 73.651114°	10.6	1.2	17.4
24	On the Long Island Sound coastline, on the north side of Long Island, approximately 3,740 feet northwest of intersection of Pond View Drive and Dosoris Lane, located in Oyster Bay, at N 40.889790°, W 73.642261°	10.6	0.9	16.9

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
25	On the Long Island Sound coastline, on the north side of Long Island, approximately 360 feet northwest of intersection of Westland Drive and Shell Drive, located in Oyster Bay, at N 40.897725°, W 73.634195°	10.6	0.8	16.8
26	On the Long Island Sound coastline, on the north side of Long Island, approximately 940 feet northwest of intersection of Southland Drive and Eastland Drive, located in Oyster Bay, at N 40.900778°, W 73.629752°	10.6	2.1	19.1
27	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,050 feet east of intersection of Southland Drive and Eastland Drive, located in Oyster Bay, at N 40.898582°, W 73.623671°	10.6	1.9	18.8
28	On the Long Island Sound coastline, on the north side of Long Island, approximately 2,980 feet northwest of intersection of Beach Drive and Lattingtown Road, located in Oyster Bay, at N 40.898010°, W 73.619617°	10.5	1.3	17.7
29	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,800 feet northwest of intersection of Frost Creek Drive and Great Meadow Road, located in Oyster Bay, at N 40.902332°, W 73.610981°	10.1	1.9	24.3[1]
30	On the Long Island Sound coastline, on the north side of Long Island, approximately 890 feet northeast of intersection of Frost Creek Drive and Great Meadow Road, located in Oyster Bay, at N 40.902091°, W 73.603042°	9.9	1.4	16.9
31	On the Long Island Sound coastline, on the north side of Long Island, approximately 2,080 feet northwest of intersection of Sheep Lane and Lands End Road, located in Oyster Bay, at N 40.907098°, W 73.595273°	9.7	1.3	16.4
32	On the Long Island Sound coastline, on the north side of Long Island, approximately 910 feet northeast of intersection of Bayville Road and Oak Neck Beach Road, located in Oyster Bay, at N 40.909327°, W 73.580609°	9.4	1.5	16.4

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
33	On the Long Island Sound coastline, on the north side of Long Island, approximately 480 feet northwest of intersection of Wayaawi Avenue and Sowanishin Place, located in Oyster Bay, at N 40.915412°, W 73.569862°	9.4	1.8	17.0
34	On the Long Island Sound coastline, on the north side of Long Island, approximately 170 feet northeast of intersection of Pine Park Avenue and Howard Road, located in Oyster Bay, at N 40.908683°, W 73.547827°	9.4	2.0	17.2
35	On the Long Island Sound coastline, on the north side of Long Island, approximately 1,870 feet northeast of intersection of Whitney Road and Harbor Drive, located in Oyster Bay, at N 40.912928°, W 73.531580°	9.4	1.4	16.2
36	On the Oyster Bay coastline, on the north side of Long Island, approximately 1,200 feet northeast of intersection of Hill Road and Beach Road, located in Oyster Bay, at N 40.912933°, W 73.515665°	9.4	1.1	15.6
37	On the Oyster Bay coastline, on the north side of Long Island, approximately 1,470 feet northeast of intersection of Seawanhaka Road and Montecito Drive, located in Oyster Bay, at N 40.907269°, W 73.509236°	9.4	1.1	16.7[1]
38	On the Oyster Bay coastline, on the north side of Long Island, approximately 870 feet northeast of intersection of Roosevelt Road and Centre Island Road, located in Oyster Bay, at N 40.893751°, W 73.520397°	9.4	0.5	13.4[1]
39	On the Oyster Bay coastline, on the north side of Long Island, approximately 2,390 feet southwest of intersection of Roosevelt Road and Centre Island Road, located in Oyster Bay, at N 40.886056°, W 73.524504°	9.4	0.3	12.1[1]
40	On the Oyster Bay coastline, on the north side of Long Island, approximately 850 feet northeast of intersection of Harbor Drive and Centre Island Road, located in Oyster Bay, N 40.899306°, W 73.523113°	9.4	0.4	16.5[1]

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
41	On the Oyster Bay coastline, on the north side of Long Island, approximately 570 feet northwest of intersection of Hill Road and Centre Island Road, located in Oyster Bay, N 40.909701°, W 73.523642°	9.4	0.4	13.0
42	On the Oyster Bay coastline, on the north side of Long Island, approximately 250 feet northwest of intersection of Oak lane and Harborview Road, located in Oyster Bay, at N 40.901094°, W 73.552189°	9.4	0.3	14.7[1]
43	On the Oyster Bay coastline, on the north side of Long Island, approximately 2,020 feet northeast of intersection of Horseshoe Road and Roger Canoe Hollow Road, located in Oyster Bay, at N 40.894968°, W 73.549256°	9.4	0.4	13.7[1]
44	On the Oyster Bay coastline, on the north side of Long Island, approximately 1,880 feet northwest of intersection of Main Street and Lake Avenue, located in Oyster Bay, at N 40.879298°, W 73.543674°	9.4	0.5	13.0
45	On the Oyster Bay coastline, on the north side of Long Island, approximately 1,470 feet northeast of intersection of Main Street and Blair Road, located in Oyster Bay, at N 40.873556°, W 73.515478°	9.4	0.5	13.2
46	On the Oyster Bay coastline, on the north side of Long Island, approximately 280 feet southwest of intersection of Tennis Court Road and Cove Neck Road, located in Oyster Bay, at N 40.878459°, W 73.504629°	9.4	0.4	12.9
47	On the Oyster Bay coastline, on the north side of Long Island, approximately 4,660 feet northeast of intersection of Sagamore Hill Road and Cove Neck Road, located in Oyster Bay, at N 40.894439°, W 73.500522°	9.4	1.1	15.7
48	On the Oyster Bay coastline, on the north side of Long Island, approximately 2,050 feet northwest of intersection of Laurel Hollow Road and Ridge Road, located in Oyster Bay, at N 40.874394°, W 73.483878°	9.4	1.0	15.4

[1]Wave runup elevation
*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
49	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 3,000 feet southwest of intersection of Atlantic Boulevard and Flamingo Street, located in Hempstead, at N 40.584288°, W 73.749206°	10.2	3.9	21.6
50	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 670 feet southwest of intersection of Ocean Boulevard and Dutchess Boulevard, located in Hempstead, at N 40.585538°, W 73.734348°	10.2	4.0	21.8
51	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 730 feet southwest of intersection of Ocean Boulevard and Nassau Avenue, located in Hempstead, at N 40.584937°, W 73.726580°	10.2	4.0	21.7
52	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 1,570 feet southeast of intersection of Bay Boulevard and Park Street, located in Hempstead, at N 40.583556°, W 73.711293°	10.1	3.9	21.5
53	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 740 feet southwest of intersection of Indiana Avenue and Ocean View Street, located in Hempstead, at N 40.582874°, W 73.697850°	10.1	4.0	21.7
54	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 950 feet southwest of intersection of Penn Street and Lindell Boulevard, located in Hempstead, at N 40.583064°, W 73.682320°	9.9	3.9	21.2
55	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 990 feet southeast of intersection of Penn Street and National Boulevard, located in Hempstead, at N 40.583008°, W 73.665643°	10.1	3.9	21.4
56	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 720 feet southeast of intersection of Shore Road and Long Beach Boulevard, located in Hempstead, at N 40.582465°, W 73.656742°	10.1	3.8	21.3

*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
57	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 1,040 feet southeast of intersection of Shore Road and Franklin Boulevard, located in Hempstead, at N 40.582380°, W 73.646681°	10.1	3.7	21.2
58	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 600 feet southwest of intersection of Biarritz Street and Ocean Boulevard, located in Hempstead, at N 40.585107°, W 73.623385°	10.1	3.7	21.2
59	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 2,690 feet southeast of intersection of Sharen Drive and Lido Boulevard, located in Hempstead, at N 40.584920°, W 73.603923°	10.1	3.8	21.2
60	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 680 feet southwest of intersection of Parkside Avenue and Ocean Boulevard, located in Hempstead, at N 40.585747°, W 73.584237°	9.4	4.0	20.6
61	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 10,090 feet southwest of intersection of Loop Parkway and Meadowbrook State Parkway, located in Hempstead, at N 40.582890°, W 73.547634°	10.3	4.0	22.0
62	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 5,140 feet southwest of intersection of Bay Parkway and Wantagh State Parkway, located in Hempstead, at N 40.589706°, W 73.520522°	10.3	4.1	22.1
63	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 1.2 miles southeast of intersection of Bay Parkway and Wantagh State Parkway, located in Oyster Bay, at N 40.596487°, W 73.485915°	10.3	4.0	21.9
64	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 2.4 miles northeast of intersection of Bay Parkway and Wantagh State Parkway, located in Oyster Bay, at N 40.601638°, W 73.462499°	10.3	4.2	22.2

*North American Vertical Datum of 1988

TABLE 6 - TRANSECT DESCRIPTIONS – continued

Nassau County

TRANSECT	LOCATION	ELEVATION (ft NAVD 88*) 1-PERCENT ANNUAL CHANCE STILLWATER	WAVE SETUP	MAXIMUM 1-PERCENT ANNUAL CHANCE WAVE CREST
65	On the Atlantic Ocean coastline, on the south side of Long Island, approximately 4.0 miles northeast of intersection of Bay Parkway and Wantagh State Parkway, located in Oyster Bay, at N 40.607930°, W 73.432841°	10.2	4.0	21.8

*North American Vertical Datum of 1988

TABLE 7 - TRANSECT DATA

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County				
Little Neck Bay	1	6.8	9.6	10.8[1]	12.8	VE	13-16
		6.8	9.6	10.2	12.8	VE	12-13
						AE	10-12
Little Neck Bay	2	6.8	9.7	10.2	12.8	VE	25[2]
Long Island Sound	3	6.8	9.9	11.3[1]	12.8	VE	14-17
		6.9	9.9	10.2	12.8	VE	13[2]
						AE	13[2]
Long Island Sound	4	6.9	9.9	11.1[1]	13.0	VE	16
		6.9	9.9	10.4	13.0	VE	15[2]
						AE	15[2]
Long Island Sound	5	7.0	9.9	10.6	13.0	VE	17[2]
						AE	17[2]
Manhasset Bay	6	7.0	9.9	11.5[1]	13.0	VE	14-17
						AE	14
		7.0	9.9	10.6	13.0	AE	13[2]
Manhasset Bay	7	7.3	9.9	11.7[1]	13.5	VE	14-17
						AE	12-14
		7.3	9.9	10.9	13.5	AE	10-12

*North American Vertical Datum of 1988
[1]Includes wave setup
[2]Wave runup elevation

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Manhasset Bay	8	7.3	9.9	11.6[1]	13.5	VE	14-17
						AE	12-14
Manhasset Bay	9	7.3	9.9	11.3[1]	13.5	VE	13-14
						AE	11-13
Manhasset Bay	10	7.3	10.2	10.9	13.5	VE	19[2]
						AE	19[2]
Manhasset Bay	11	7.3	10.2	11.5[1]	13.5	VE	14-17
						AE	13-14
		7.3	10.2	10.9	13.5	AE	12[2]
Manhasset Bay	12	7.3	10.0	11.4[1]	13.5	VE	14-15
						AE	11-14
Manhasset Bay	13	7.3	9.9	11.5[1]	13.5	VE	14-15
						AE	11-14
Manhasset Bay	14	7.0	9.9	10.6	13.0	VE	22[2]
						AE	22[2]
Long Island Sound	15	7.0	9.9	11.3[1]	13.0	VE	13-16
						AE	11-13
Long Island Sound	16	7.0	9.9	11.8[1]	13.0	VE	15-18
		7.0	9.9	10.6	13.0	VE	14[2]
						AE	14[2]
Long Island Sound	17	7.3	9.9	12.8[1]	13.5	VE	15-19
						AE	13-15
		7.3	9.9	10.9	13.5	AE	11
Long Island Sound	18	7.3	9.9	12.5[1]	13.5	VE	20
		7.3	9.9	10.9	13.5	VE	19[2]
						AE	19[2]
Long Island Sound	19	7.3	10.1	12.2[1]	13.5	VE	14-18
						AE	12-14
Hempstead Harbor	20	7.3	10.2	10.9	13.5	VE	23[2]
							23[2]

*North American Vertical Datum of 1988
[1]Includes wave setup
[2]Wave runup elevation

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Hempstead Harbor	21	7.3	10.2	11.2[1]	13.5	VE	13-14
						AE	11-13
Hempstead Harbor	22	7.3	10.2	11.9[1]	13.5	VE	14-17
						AE	12-14
Long Island Sound	23	7.0	9.1	11.8[1]	13.0	VE	14-17
		7.0	9.1	10.6	13.0	AE	14[2]
Long Island Sound	24	6.7	8.9	11.4[1]	13.0	VE	14-17
						AE	11-14
Long Island Sound	25	6.5	8.8	11.4[1]	13.0	VE	14-17
						AE	11-14
Long Island Sound	26	6.4	8.8	12.7[1]	13.0	VE	15-19
						AE	13-15
Long Island Sound	27	6.3	8.7	12.5[1]	13.0	VE	15-19
						AE	12-15
		6.3	8.7	10.6	13.0	VE	13
						AE	11-13
Long Island Sound	28	6.3	8.7	11.8[1]	13.0	VE	13-18
		6.3	8.7	10.5	13.0	VE	13
						AE	11-13
Long Island Sound	29	6.3	8.7	10.1	12.6	VE	24[2]
						AE	24[2]
Long Island Sound	30	6.3	8.7	11.3[1]	12.4	VE	13-17
						AE	11-13
Long Island Sound	31	6.3	8.7	11.0[1]	12.1	VE	13-16
				9.7		VE	12-13
						AE	10-12
Long Island Sound	32	6.3	8.7	10.9[1]	12.0	VE	15-16
		6.3	8.7	9.4	12.0	VE	14[2]
						AE	14[2]
						AO	Depth 1
		6.3	8.7	9.4	12.0	AE	9-11

*North American Vertical Datum of 1988
[1]Includes wave setup
[2]Wave runup elevation

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Long Island Sound	33	6.3	8.7	11.2[1]	12.0	VE	17
		6.3	8.7	9.4	12.0	VE	16[2]
						AE	16[2]
Long Island Sound	34	6.3	8.7	11.4[1]	12.0	VE	16-17
		6.3	8.7	9.4	12.0	VE	15[2]
						AE	15[2]
						AO	Depth 2
		6.3	8.7	9.4	12.0	AE	9-10
Long Island Sound	35	6.3	8.7	10.8[1]	12.0	VE	13-16
						AE	11-13
		6.3	8.7	9.4	12.0	AE	9
Long Island Sound	36	6.3	8.7	10.5[1]	12.0	VE	15-16
				9.4		VE	14[2]
						AE	14[2]
Long Island Sound	37	6.3	8.7	9.4	12.0	VE	17[2]
						AE	17[2]
						AE	9-10
Oyster Bay Harbor	38	6.3	8.7	9.4	12.0	VE	13[2]
						AE	13[2]
Oyster Bay Harbor	39	6.3	8.7	9.4	12.0	VE	12[2]
						AE	12[2]
Oyster Bay Harbor	40	6.3	8.7	9.4	12.0	VE	16[2]
						AE	16[2]
Oyster Bay Harbor	41	6.3	8.7	9.8[1]	12.0	VE	12-13
						AE	10-12
Oyster Bay Harbor	42	6.3	8.7	9.4	12.0	VE	15[2]
						AE	15[2]
Oyster Bay Harbor	43	6.3	8.7	9.4	12.0	VE	14[2]
						AE	14[2]
Oyster Bay Harbor	44	6.3	8.7	9.9[1]	12.0	VE	12-13
						AE	10-12

*North American Vertical Datum of 1988
[1]Includes wave setup
[2]Wave runup elevation

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Oyster Bay Harbor	45	6.3	8.8	9.9[1]	12.0	VE	12-13
						AE	11-12
Cold Spring Harbor	46	6.3	8.8	9.8[1]	12.0	VE	12-13
						AE	11-12
		6.3	8.8	9.4	12.0	AE	10[2]
Cold Spring Harbor	47	6.3	8.7	10.5[1]	12.0	VE	13-16
						AE	13
		6.3	8.7	9.4	12.0	AE	12[2]
Cold Spring Harbor	48	6.3	8.7	10.4[1]	12.0	VE	13-15
						AE	10-13
Atlantic Ocean	49	6.7	8.9	14.1[1]	12.5	VE	16-22
		6.7	8.9	12.6[1]	12.3	AE	13-16
Atlantic Ocean	50	6.7	8.9	14.2[1]	12.4	VE	16-22
		6.7	8.8	11.1[1]	12.0	AE	11-16
		6.7	8.6	9.6	11.3	VE	12
						AE	10-12
Atlantic Ocean	51	6.7	8.9	14.2[1]	12.4	VE	16-22
		6.7	8.8	10.5[1]	11.9	AE	11-16
		6.7	8.5	9.4	10.8	VE	12-13
						AE	9-12
Atlantic Ocean	52	6.7	8.9	14.0[1]	12.4	VE	16-22
						AE	14-16
		6.7	8.4	9.3	10.4	VE	11-12
						AE	9-13
Atlantic Ocean	53	6.7	8.9	14.1[1]	12.4	VE	16-22
		6.7	8.7	10.1[1]	11.5	AE	10-16
		6.7	8.3	9.0	9.9	VE	11-13
						AE	9-12
Atlantic Ocean	54	6.7	8.8	13.8[1]	12.0	VE	15-21
		6.7	8.4	10.1[1]	10.7	AE	10-15
		6.7	8.1	8.6	9.4	VE	11-12
						AE	9-11

*North American Vertical Datum of 1988
[1]Includes wave setup
[2]Wave runup elevation

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Atlantic Ocean	55	6.7	8.9	14.0[1]	12.4	VE	16-21
		6.7	8.4	10.1[1]	10.8	AE	10-16
		6.7	8.1	8.6	9.2	AE	9-10
Atlantic Ocean	56	6.7	8.9	13.9[1]	12.4	VE	16-21
		6.7	8.5	10.1[1]	10.8	AE	10-16
		6.7	8.0	8.4	9.1	VE	11
						AE	8-11
Atlantic Ocean	57	6.7	8.9	13.8[1]	12.4	VE	16-21
		6.7	8.4	10.1[1]	10.9	AE	10-16
		6.6	8.0	8.4	9.1	VE	10-12
						AE	8-10
Atlantic Ocean	58	6.7	8.9	13.8[1]	12.4	VE	16-21
						AE	14-16
		6.6	8.3	10.2[1]	10.4	AE	10-13
		6.6	7.8	8.3	8.9	VE	10-11
						AE	8-10
Atlantic Ocean	59	6.7	8.9	13.8[1]	12.4	VE	16-21
						AE	15-16
		6.5	8.1	9.5[1]	10.0	AE	10-14
		6.5	7.7	8.1	8.7	VE	10-13
						AE	8-10
Atlantic Ocean	60	6.6	8.5	13.4[1]	11.2	VE	15-21
						AE	15
		6.5	7.9	9.0[1]	9.8	AE	10-14
		6.4	7.5	7.9	8.6	VE	10-11
						AE	8-10
Atlantic Ocean	61	6.7	9.0	14.3[1]	12.7	VE	16-22
						AE	15-16
		6.6	8.6	12.5[1]	11.9	AE	13-14
		6.4	7.5	7.9	8.6	VE	10-11
						AE	8-10
Atlantic Ocean	62	6.7	9.0	14.4[1]	12.7	VE	17-22
						AE	14-17
		6.0	7.1	7.5	8.1	VE	9-11
						AE	7-10

*North American Vertical Datum of 1988
[1]Includes wave setup

TABLE 7 - TRANSECT DATA - continued

FLOODING SOURCE	TRANSECT	STILLWATER ELEVATION (feet NAVD88*) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT	ZONE	BASE FLOOD ELEVATION (feet NAVD*)
			Nassau County - continued				
Atlantic Ocean	63	6.7	9.0	14.3[1]	12.7	VE	16-22
						AE	15-16
		6.4	8.2	13.2[1]	11.1	AE	13-14
		5.7	6.7	7.1	7.7	VE	9-11
						AE	7-9
Atlantic Ocean	64	6.7	9.0	14.5[1]	12.7	VE	16-22
		6.4	8.1	13.4[1]	10.9	AE	13-16
		5.5	6.5	6.9	7.5	VE	9-11
						AE	7-9
Atlantic Ocean	65	6.7	8.9	14.2[1]	12.6	VE	16-22
						AE	15-16
		6.3	7.3	13. 2[1]	9.4	AE	13-14
		5.2	6.2	6.5	7.2	VE	9-11
						AE	7-9

*North American Vertical Datum of 1988
[1]Includes wave setup

Users of the FIRM should also be aware that coastal flood elevations are provided in the Summary of Stillwater Elevations table in this report. If the elevation on the FIRM is higher than the elevation shown in this table, a wave height, wave runup, and/or wave setup component likely exists, in which case, the higher elevation should be used for construction and/or floodplain management purposes.

As defined in the July 1989 *Guidelines and Specifications for Wave Elevation Determination and V Zone Mapping,* the coastal high hazard area (Zone VE) is the area where wave action and/or high velocity water can cause structural damage (*Guidelines and Specifications for Wave Elevation Determination and V-Zone Mapping*, Federal Emergency Management Agency [FEMA], 1989). It is designated on the FIRM as the most landward of the following three points:

1) The point where the 3.0 ft or greater wave height could occur;
2) The point where the eroded ground profile is 3.0 ft or more below the maximum runup elevation; and
3) The primary frontal dune as defined in the NFIP regulations.

These three points are used to locate the inland limit of the coastal high hazard area to ensure that adequate insurance rates apply and appropriate construction standards are imposed, should local agencies permit building in this area.

Along each transect, wave heights and wave crest elevations were computed considering the combined effects of changes in ground elevation, vegetation, and physical features. Wave heights were calculated to the nearest 0.1 foot, and wave crest elevations were determined at whole-foot increments along the transects. The calculations were carried inland along the transect until the wave crest elevation was permanently less than 0.5 foot above the stillwater-surge elevation or the coastal flooding met another flooding source (i.e., riverine) with an equal water-surface elevation. The results of the calculations are accurate until local topography, vegetation, or cultural development of the community undergo any major changes.

It has been shown in laboratory tests and observed in field investigations that wave heights as little as 1.5 feet can cause damage to and failure of typical Zone AE construction. Therefore, for advisory purposes only, a Limit of Moderate Wave Action (LiMWA) boundary has been added in coastal areas subject to wave action. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave.

The effects of wave hazards in the Zone AE between the Zone VE (or shoreline in areas where VE Zones are not identified) and the limit of the LiMWA boundary are similar to, but less severe than, those in Zone VE where 3-foot breaking waves are projected during a 1-percent annual chance flooding event.

In areas where wave runup elevations dominate over wave heights, such as areas with steeply sloped beaches, bluffs, and/or shore-parallel flood protection structures, there is no evidence to date of significant damage to residential structures by runup depths less than 3 feet. However, to simplify representation, the LiMWA was continued immediately landward of the VE/AE boundary in areas where wave runup elevations dominate. Similarly, in areas where the Zone VE designation is based on the presence of a primary frontal dune or wave overtopping, the LiMWA was also delineated immediately landward of the Zone VE/AE boundary.

3.5 Vertical Datum

All FISs and FIRMs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum in use for newly created or revised FISs and FIRMs was the National Geodetic Vertical Datum of 1929 (NGVD 29). With the finalization of the North American Vertical Datum of 1988 (NAVD 88), many FIS reports and FIRMs are being prepared using NAVD 88 as the referenced vertical datum.

All flood elevations shown in this FIS report and on the FIRM are referenced to NAVD 88. Structure and ground elevations in the community must, therefore, be referenced to NAVD 88. It is important to note that adjacent communities may be referenced to NGVD 29. This may result in differences in base flood elevations across the corporate limits between the communities.

Prior versions of the FIS report and FIRM were referenced to NGVD 29. When a datum conversion is effected for an FIS report and FIRM, the Flood Profiles, Base Flood Elevations (BFEs), and Elevation Reference Marks (ERM) reflect the new datum values. To compare structure and ground elevations to 1-percent annual chance flood elevations shown in the FIS report and on the FIRM, the subject structure and ground elevations must be referenced to the new datum values.

As noted above, the elevations shown in the FIS report and on the FIRM for Nassau County are referenced to NAVD 88. Ground, structure, and flood elevations may be compared and/or referenced to NGVD 29 by applying a standard conversion factor. The conversion factor to NGVD 29 is +1.1 feet, where:

$$\text{NGVD 29} = \text{NAVD 88} + 1.1 \text{ ft}$$

The BFEs shown on the FIRM represent whole-foot rounded values. For example, a BFE of 102.4 will appear as 102 on the FIRM and 102.6 will appear as 103. Therefore, users that wish to convert the elevations in this FIS to NGVD 29 should apply the stated conversion factor(s) to elevations shown on the Flood Profiles and supporting data tables in the FIS report, which are shown at a minimum to the nearest 0.1 foot.

For more information on NAVD 88, see Converting the National Flood Insurance Program to the North American Vertical Datum of 1988, FEMA Publication FIA-20/June 1992, or contact the Spatial Reference System Division, National Geodetic Survey, National Oceanic and Atmospheric Administration, Silver Spring Metro Center, 1315 East-West Highway, Silver Spring, Maryland 20910 (Internet address http://www.ngs.noaa.gov).

4.0 FLOODPLAIN MANAGEMENT APPLICATIONS

The NFIP encourages State and local governments to adopt sound floodplain management programs. Therefore, each FIS generally provides 100-year flood elevations and delineations of the 100- and 500-year floodplain boundaries and 100-year floodway to assist in developing floodplain management measures.

4.1 Floodplain Boundaries

To provide a national standard without regional discrimination, the 1-percent annual chance flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2-percent annual chance flood is employed to indicate additional areas of flood risk in the community.

The 1- and 0.2-percent annual chance floodplain boundaries are shown on the FIRM (Exhibit 2). On this map, the 1-percent annual chance floodplain boundary corresponds to the boundary of the areas of special flood hazards (Zones VE, A, AE, and AO), and the 0.2-percent annual chance floodplain boundary corresponds to the boundary of areas of moderate flood hazards. In cases where the 1- and 0.2-percent annual chance floodplain boundaries are close together, only the 1-percent

annual chance floodplain boundary has been shown. Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data.

In areas where a wave height analysis was performed, the A and V zones were divided into whole-foot elevation zones based on the average wave crest elevation in that zone. Where the map scale did not permit delineating zones at 1 foot intervals, larger increments were used.

For the streams studied by approximate methods, only the 1-percent annual chance floodplain boundary is shown on the FIRM (Exhibit 2).

Countywide Revised Analyses

The topographic dataset used to delineate coastal floodplain boundaries with the exception of Long Beach and Jones Island was comprised of vector contour data at 2-foot intervals provided by the Nassau County Department of Information Technology. These data were originally derived from April 1993 stereo photography.

Coastal floodplain delineation on Long Beach and Jones Island was based on topographic data provided by the USACE. These data were comprised of bare earth LiDAR topography collected by the USACE Compact Hydrographic Airborne Rapid Total Survey (CHARTS) system in October and November 2005.

Riverine floodplain boundaries for both detailed and approximate special flood hazard areas were refined using the aforementioned Nassau County contour data.

4.2 Floodways

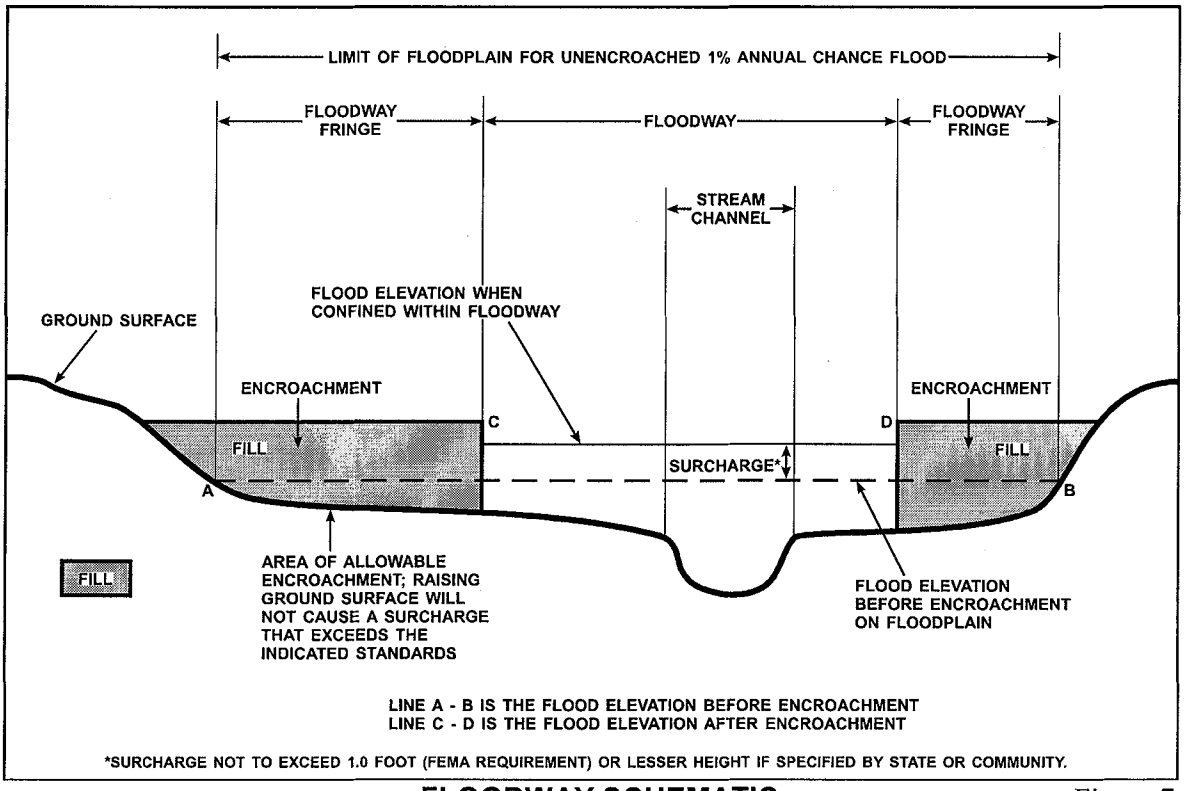
Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard. For purposes of the NFIP, a floodway is used as a tool to assist local communities in this aspect of floodplain management. Under this concept, the area of the 1-percent annual chance floodplain is divided into a floodway and a floodway fringe. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment so that the 1-percent annual chance flood can be carried without substantial increases in flood heights. Minimum federal standards limit such increases to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this FIS are presented to local agencies as a minimum standard that can be adopted directly or that can be used as a basis for additional floodway studies.

The floodways presented in this FIS were computed for certain stream segments on the basis of equal conveyance reduction from each side of the floodplain. Floodway widths were computed at cross sections.

Between cross sections, the floodway boundaries were interpolated. The results of the floodway computations are tabulated for selected cross sections (Table 8). The computed floodways are shown on the FIRM (Exhibit 2). In cases where the floodway and 1-percent annual chance floodplain boundaries are either close together or collinear, only the floodway boundary is shown. Portions of the Motts Creek floodway extend beyond the county boundary. No floodways were computed for Massapequa Creek, Massapequa Creek Tributary No. 1, and Massapequa Creek Tributary No. 2.

Encroachment into areas subject to inundation by floodwaters having hazardous velocities aggravates the risk of flood damage, and heightens potential flood hazards by further increasing velocities. A listing of stream velocities at selected cross sections is provided in Table 8, "Floodway Data." In order to reduce the risk of property damage in areas where the stream velocities are high, the community may wish to restrict development in areas outside the floodway.

The area between the floodway and 100-year floodplain boundaries is termed the floodway fringe. The floodway fringe encompasses the portion of the floodplain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood by more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 7.



FLOODWAY SCHEMATIC Figure 7

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Motts Creek								
A	16,540[1]	37	220	3.4	11.4	8.1[3]	9.0	0.9
B	16,850[1]	43	300	2.5	11.4	10.2[3]	11.0	0.8
C	17,015[1]	40	243	3.1	11.4	10.3[3]	11.1	0.8
D	17,862[1]	42	282	2.7	11.4	11.3[3]	12.0	0.7
E	18,878[1]	40	206	3.7	11.5	11.5	12.1	0.6
F	23,270[1]	35	394	1.9	22.9	22.9	23.8	0.9
G	24,608[1]	46	399	1.9	24.6	24.6	25.5	0.9
H	25,395[1]	34	347	2.2	25.2	25.2	25.9	0.7
I	26,206[1]	39	272	2.8	25.4	25.4	26.1	0.7
J	27,090[1]	100	553	1.4	28.6	28.6	29.1	0.5
Russells Creek								
A	929[2]	32	61	7.8	70.1	70.1	70.2	0.1
B	1,082[2]	20	52	9.2	76.0	76.0	76.0	0.0
C	2,115[2]	16	53	9.1	96.9	96.9	96.9	0.0
D	2,300[2]	15	47	10.2	98.2	98.2	98.2	0.0
E	2,479[2]	17	54	8.8	101.3	101.3	101.3	0.0

[1]Feet above mouth
[2]Feet above Limit of Detailed Study (Limit of Detailed Study located approximately 1,009 feet downstream of Clent Road)
[3]Elevation computed without consideration of tidal flooding effects from Head of Bay

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

FLOODWAY DATA

MOTTS CREEK – RUSSELLS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Valley Stream								
A	19,190	100	459	3.0	11.4	9.1[2]	9.3	0.2
B	19,836	100	420	3.3	11.4	9.3[2]	9.6	0.3
C	20,505	43	242	5.7	11.4	11.1[2]	11.7	0.6
D	20,625	32	251	5.5	11.4	11.2[2]	11.9	0.7
E	20,835	200	984	1.4	14.2	14.2	14.3	0.1
F	21,335	200	1,077	1.3	14.3	14.3	14.4	0.1
G	21,645	20	157	3.4	14.5	14.5	14.5	0.0
H	23,184	30	205	2.6	17.4	17.4	17.6	0.2
I	24,085	200	2,041	0.3	17.4	17.4	17.7	0.3
J	25,170	69	446	1.2	18.3	18.3	18.3	0.0
K	26,455	31	170	3.1	19.7	19.7	19.7	0.0

[1]Feet above mouth
[2]Elevation computed without consideration of tidal flooding effects from Head of Bay

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

FLOODWAY DATA

VALLEY STREAM

5.0 INSURANCE APPLICATIONS

For flood insurance rating purposes, flood insurance zone designations are assigned to a community based on the results of the engineering analyses. The zones are as follows:

Zone A

Zone A is the flood insurance rate zone that corresponds to the 1-percent annual chance floodplains that are determined in the FIS by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no base flood elevations or depths are shown within this zone.

Zone AE

Zone AE is the flood insurance rate zone that corresponds to the 1-percent annual chance floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AH

Zone AH is the flood insurance rate zone that corresponds to the areas of 1-percent annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AO

Zone AO is the flood insurance rate zone that corresponds to the areas of 1-percent annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-depths derived from the detailed hydraulic analyses are shown within this zone.

Zone A99

Zone A99 is the flood insurance rate zone that corresponds to areas of the 1-percent annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No base flood elevations or depths are shown within this zone.

Zone V

Zone V is the flood insurance rate zone that corresponds to the 1-percent annual chance coastal floodplains that have additional hazards associated with storm waves. Because approximate hydraulic analyses are performed for such areas, no base flood elevations are shown within this zone.

Zone VE

Zone VE is the flood insurance rate zone that corresponds to the 1-percent annual chance coastal floodplains that have additional hazards associated with storm waves. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone X

Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2-percent annual chance floodplain, areas within the 0.2-percent annual chance floodplain, and to areas of 1-percent annual chance flooding where average depths are less than 1 foot, areas of 1-percent annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent annual chance flood by levees. No base flood elevations or depths are shown within this zone.

Zone D

Zone D is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.

6.0 FLOOD INSURANCE RATE MAP

The FIRM is designed for flood insurance and floodplain management applications.

For flood insurance applications, the map designates flood insurance rate zones as described in Section 5.0 and, in the 1-percent annual chance floodplains that were studied by detailed methods, shows selected whole-foot base flood elevations or average depths. Insurance agents use the zones and base flood elevations in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

For floodplain management applications, the map shows by tints, screens, and symbols, the 1- and 0.2-percent annual chance floodplains. Floodways and the locations of selected cross sections used in the hydraulic analyses and floodway computations are shown where applicable.

The current FIRM presents flooding information for the entire geographic area of Nassau County. Previously, separate Flood Hazard Boundary Maps and/or FIRMs were prepared for each identified flood-prone incorporated community and the unincorporated areas of the county. This countywide FIRM also includes flood hazard information that was presented separately on Flood Boundary and Floodway Maps, where applicable. Historical data relating to the maps prepared for each community up to and including the April 2, 1997, countywide FIS are presented in Table 9, "Community Map History."

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Atlantic Beach, Village of	April 2,1997	None	April 2, 1997	
Baxter Estates, Village of	June 14, 1974	October 24, 1975	May 16, 1983	April 2, 1997
Bayville, Village of	May 3, 1974	March 26, 1976	September 15, 1983	June 2, 1992 April 2, 1997
Bellerose, Village of[1]	April 2, 1997	None	April 2, 1997	
Brookville, Village of[1]	April 2, 1997	None	April 2, 1997	
Cedarhurst, Village of	April 2, 1976	None	September 1, 1983	April 2, 1997
Centre Island, Village of	August 9, 1974	May 28, 1976	October 18, 1983	April 2, 1997
Cove Neck, Village of	October 18, 1974	June 11, 1976	July 18, 1983	April 2, 1997
East Hills, Village of[1]	April 2, 1997	None	April 2, 1997	
East Rockaway, Village of	July 26, 1974	July 9, 1976	December 1, 1978	April 2, 1997
East Williston, Village of[1]	April 2, 1997	None	April 2, 1997	
Farmingdale, Village of[1]	April 2, 1997	None	April 2, 1997	
Floral Park, Village of[1]	April 2, 1997	None	April 2, 1997	
Flower Hill, Village of	September 18, 1991	None	September 18, 1991	April 2, 1997

[1]Non-floodprone community

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Freeport, Village of	May 31, 1974	None	February 14, 1976	September 15, 1993 April 2, 1997
Garden City, Village of[1]	April 2, 1997	None	April 2, 1997	
Glen Cove, City of	August 16, 1974	June 11, 1976	March 1, 1978	April 4, 1983 September 5, 1984 May 18, 1992 April 2, 1997
Great Neck, Village of	July 26, 1974	May 28, 1976	November 17, 1982	April 2, 1997
Great Neck Estates, Village of	June 14, 1974	October 3, 1975	June 15, 1983	April 2, 1997
Great Neck Plaza, Village of	April 2, 1997	None	April 2, 1997	
Hempstead, Town of	April 25, 1975	None	April 16, 1979	March 4, 1985 December 15, 1989 May 18, 1992 April 2, 1997
Hempstead, Village of[1]	April 2, 1997	None	April 2, 1997	
Hewlett Bay Park, Village of	June 28, 1974	May 28, 1976	January 19, 1983	April 2, 1997
Hewlett Harbor, Village of	March 8, 1974	June 25, 1976	June 15, 1979	April 2, 1997
Hewlett Neck, Village of	June 28, 1974	June 4, 1976	January 19, 1983	April 2, 1997

[1]Non-floodprone community

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Island Park, Village of	May 17, 1974[2]	None	February 14, 1976	April 2, 1997
Kensington, Village of	June 14, 1974	May 14, 1976	January 19, 1983	April 2, 1997
Kings Point, Village of	June 21, 1974	August 6, 1976	July 5, 1983	April 2, 1997
Lake Success, Village of[1]	April 2, 1997	None	April 2, 1997	
Lattingtown, Village of	May 17, 1974	July 16, 1976	September 1, 1978	March 18, 1986 May 18, 1992 April 2, 1997
Laurel Hollow, Village of	June 28, 1974	July 9, 1976	January 6, 1983	April 2, 1997
Lawrence, Village of	June 21, 1974	August 6, 1976	May 16, 1983	April 2, 1997
Long Beach, City of	March 5, 1971	None	March 5, 1971	July 1, 1974 October 31, 1975 December 1, 1983 April 2, 1997
Lynbrook, Village of	June 21, 1974	None	April 2, 1997	
Malverne, Village of	April 2, 1997	None	April 2, 1997	
Manorhaven, Village of	June 14, 1974	August 13, 1976	June 1, 1983	April 2, 1997
Massapequa Park, Village of	June 21, 1974	April 9, 1976	January 19, 1983	April 2, 1997

[1]Non-floodprone community
[2]The Village of Island Park Initial FHBM is dated January 4, 1974

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Matinecock, Village of[1]	April 2, 1997	None	April 2, 1997	
Mill Neck, Village of	March 8, 1974	August 20, 1976	October 18, 1983	April 2, 1997
Mineola, Village of[1]	April 2, 1997	None	April 2, 1997	
Munsey Park, Village of[1]	April 2, 1997	None	April 2, 1997	
Muttontown, Village of[1]	April 2, 1997	None	April 2, 1997	
New Hyde Park, Village of[1]	April 2, 1997	None	April 2, 1997	
North Hempstead, Town of	June 28, 1974	May 28, 1976	April 15, 1977	May 16, 1983 April 2, 1997
North Hills, Village of[1]	April 2, 1997	None	April 2, 1997	
Old Brookville, Village of[1]	April 2, 1997	None	April 2, 1997	
Old Westbury, Village of[1]	April 2, 1997	None	April 2, 1997	
Oyster Bay, Town of	November 29, 1974	September 12, 1975	August 1, 1978	March 16, 1983 May 18, 1992 April 2, 1997
Oyster Bay Cove, Village of	December 20, 1974	None	September 30, 1983	April 2, 1997
Plandome, Village of	April 2, 1997	None	April 2, 1997	

[1]Non-floodprone community

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Plandome Heights, Village of	October 29, 1976	None	August 11, 1978	April 2, 1997
Plandome Manor, Village of	June 21, 1974	October 31, 1975	June 15, 1983	April 2, 1997
Port Washington North, Village of	June 24, 1977	None	July 5, 1983	April 2, 1997
Rockville Centre, Village of	June 28, 1974	May 21, 1976	November 17, 1982	April 2, 1997
Roslyn, Village of	June 28, 1974	June 18, 1976	January 5, 1984	April 2, 1997
Roslyn Estates, Village of[1]	April 2, 1997	None	April 2, 1997	
Roslyn Harbor, Village of	June 28, 1974	December 19, 1975	December 15, 1983	April 2, 1997
Russell Gardens, Village of	November 17, 1982	None	November 17, 1982	April 2, 1997
Saddle Rock, Village of	June 14, 1974	April 23, 1976	October 18, 1983	April 2, 1997
Sands Point, Village of	June 28, 1974	April 23, 1976	June 15, 1983	May 18, 1992 April 2, 1997
Sea Cliff, Village of	February 1, 1974	June 30, 1976	February 1, 1978	April 2, 1997
South Floral Park, Village of[1]	April 2, 1997	None	April 2, 1997	
Stewart Manor, Village of[1]	April 2, 1997	None	April 2, 1997	
Thomaston, Village of	June 14, 1974	June 18, 1976	April 17, 1985	April 2, 1997

[1]Non-floodprone community

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Upper Brookville, Village of[1]	April 2, 1997	None	April 2, 1997	
Valley Stream, Village of	October 15, 1976	None	January 5, 1984	April 2, 1997
Westbury, Village of[1]	April 2, 1997	None	April 2, 1997	
Williston Park, Village of [1]	April 2, 1997	None	April 2, 1997	
Woodsburgh, Village of	June 28, 1974	June 25, 1976	June 1, 1983	April 2, 1997

[1]Non-floodprone community

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

7.0 OTHER STUDIES

In 1971, the USACE, New York District, prepared a tidal floodplain information report for the south shore of Nassau County, in which a tidal frequency-elevation curve was determined for the coastline along the south shore of Nassau County (USACE, 1978). This curve was based on a statistical study of the data at the Fort Hamilton tidal gage. The only difficulty in developing the tidal frequency-elevation curve was extrapolating the curve to the low frequencies of occurrences where no data were available. The USACE approach was to use the results of a study that transposed the Cape Hatteras hurricane of September 14, 1944, to a track over the New York Harbor area. The Cape Hatteras hurricane was classified by the USACE as the Standard Project Hurricane. This hurricane is defined as the worst hypothetical hurricane that may be expected from the most severe combination of meteorological conditions considered reasonably characteristic of the region, according to the Standard Project Hurricane indices developed by the National Weather Service (USACE, 1973; USACE, unpublished). The USACE then added the storm surge from this hurricane (12.3 feet) to the mean sea level to yield the Standard Project Tide Level. Thus, the Standard Project Tide was used to determine the upper portion of the tidal frequency-elevation curve, and the lower portion of the curve was determined from a statistical study of the tidal data at the Fort Hamilton gage. The Fort Hamilton tidal frequency-elevation curve was then used by the USACE to develop tidal frequency-elevation curves for Reynolds Channel and the other bay areas along the south shore of Nassau County.

In 1972, the USACE, New York District, prepared a tidal floodplain information report for the north shore of Nassau County (USACE, 1972).

In 1973, the USACE, New York District, prepared a tidal floodplain information report for the north shore of Nassau County (USACE, 1973).

An FIS has been prepared for the City of New York (FEMA, September 5, 2007). An FIS is currently being prepared for Suffolk County, New York (All Jurisdictions) (FEMA, Unpublished).

Information pertaining to revised and unrevised flood hazards for each jurisdiction within Nassau County has been compiled into this FIS. Therefore, this FIS supersedes all previously printed FIS reports, FIRMs, and Wave Height Analysis Supplement reports for all of the incorporated jurisdictions within Nassau County.

8.0 LOCATION OF DATA

Information concerning the pertinent data used in preparation of this FIS can be obtained by contacting FEMA, Federal Insurance and Mitigation Division, 26 Federal Plaza, Room 1337, New York, New York 10278.

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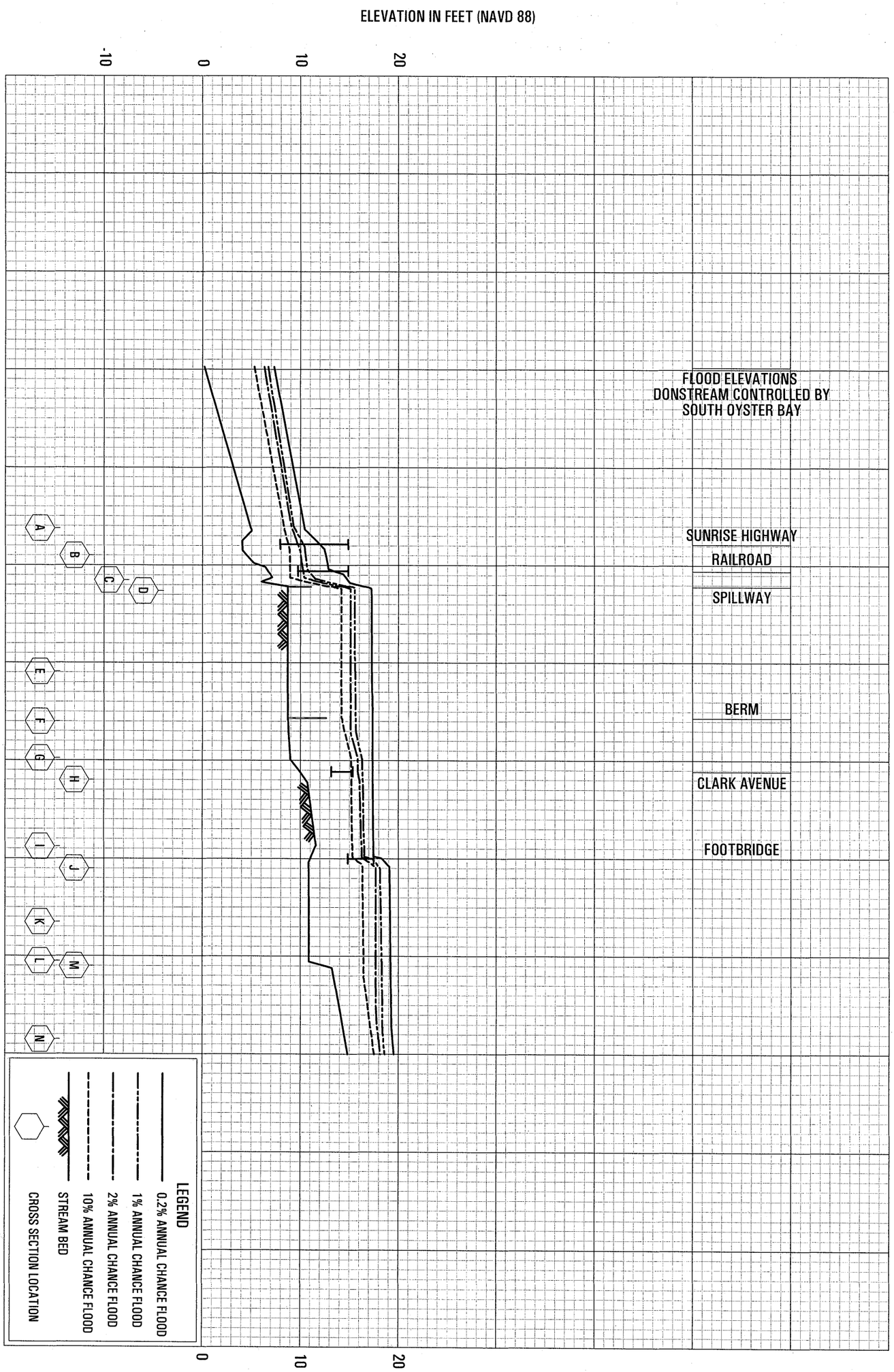
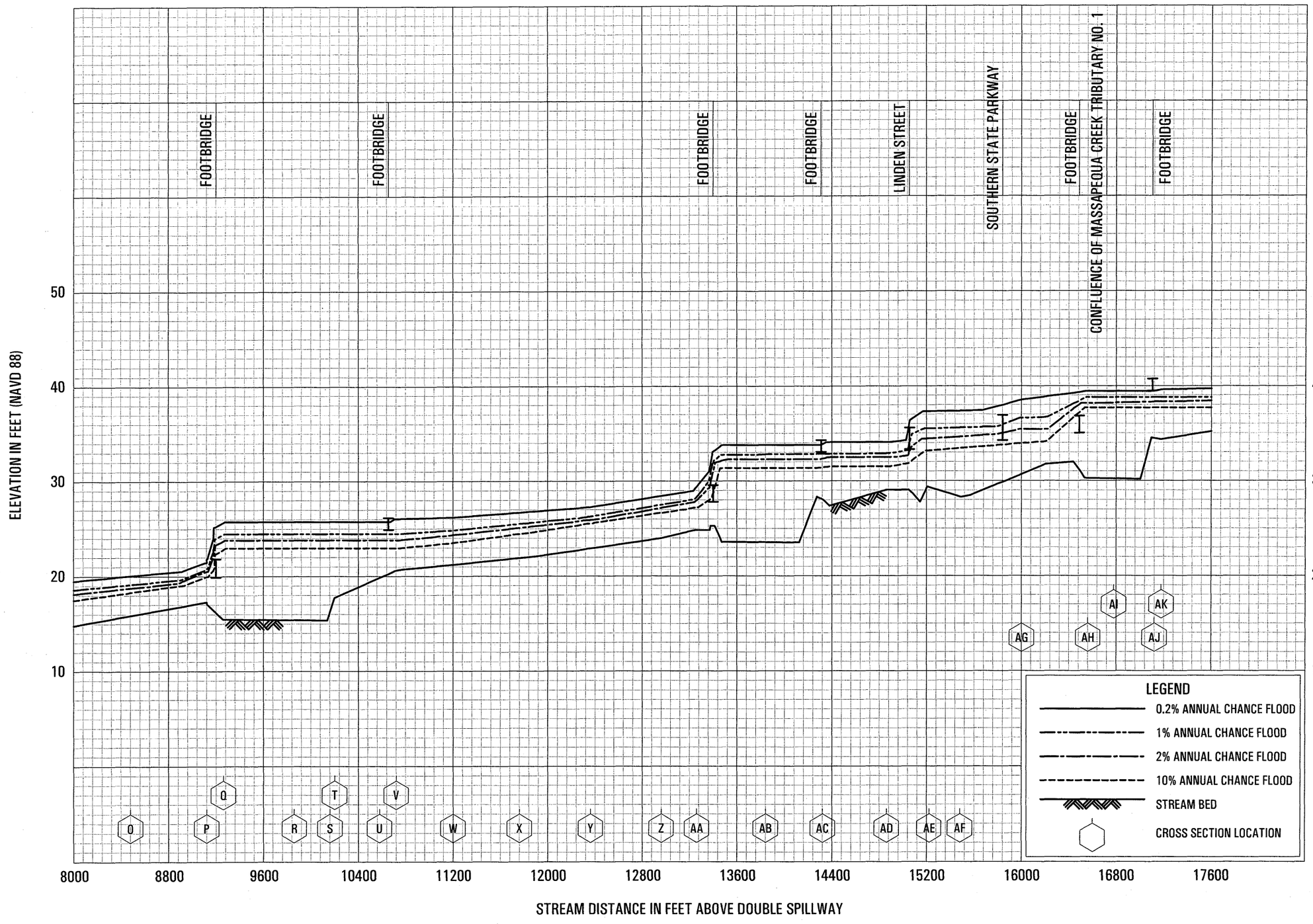


01P	FEDERAL EMERGENCY MANAGEMENT AGENCY NASSAU COUNTY, NEW YORK (ALL JURISDICTIONS)	FLOOD PROFILES MASSAPEQUA CREEK



FLOOD PROFILES

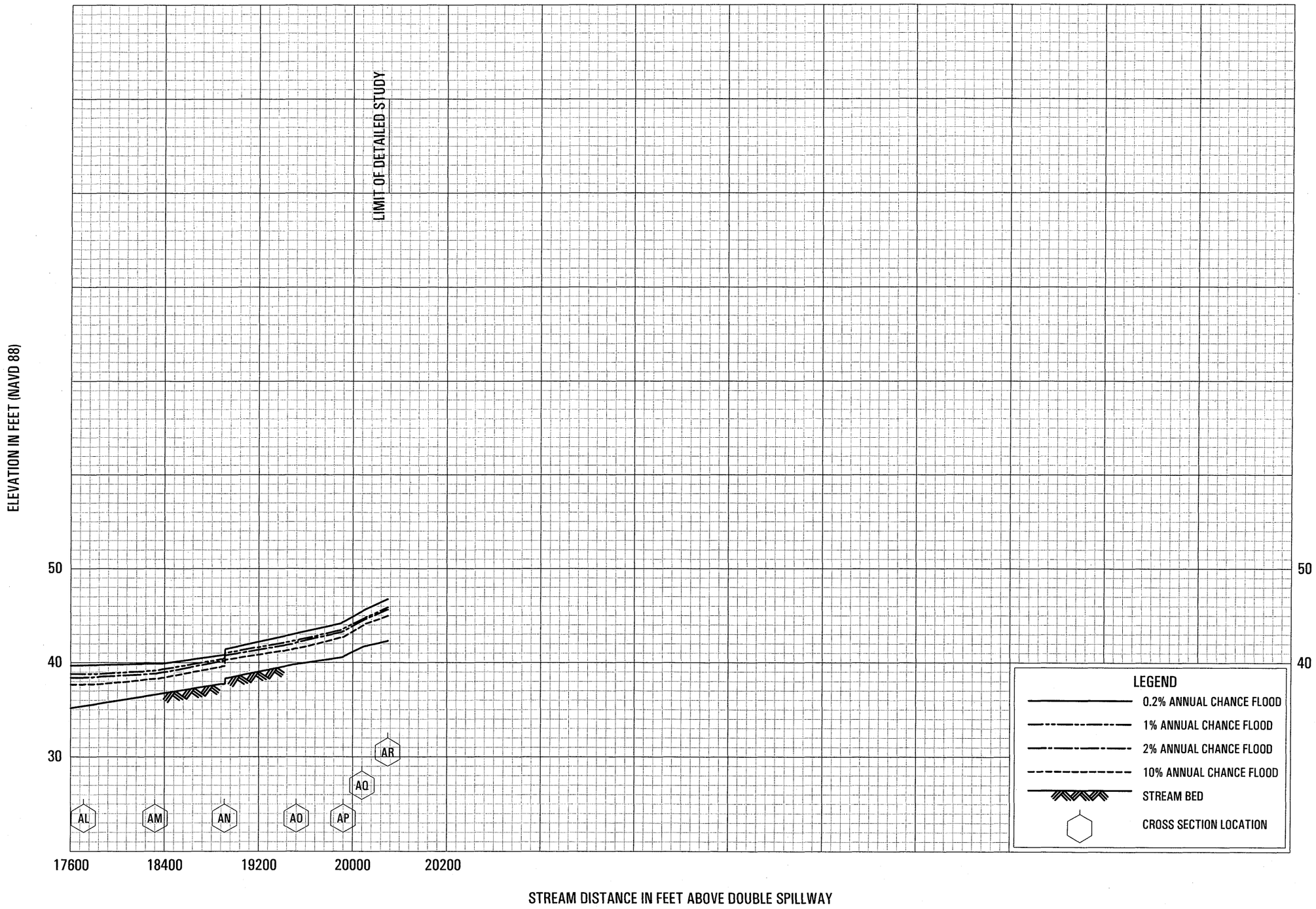
MASSAPEQUA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NEW YORK

(ALL JURISDICTIONS)

02P



FLOOD PROFILES

MASSAPEQUA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NEW YORK

(ALL JURISDICTIONS)

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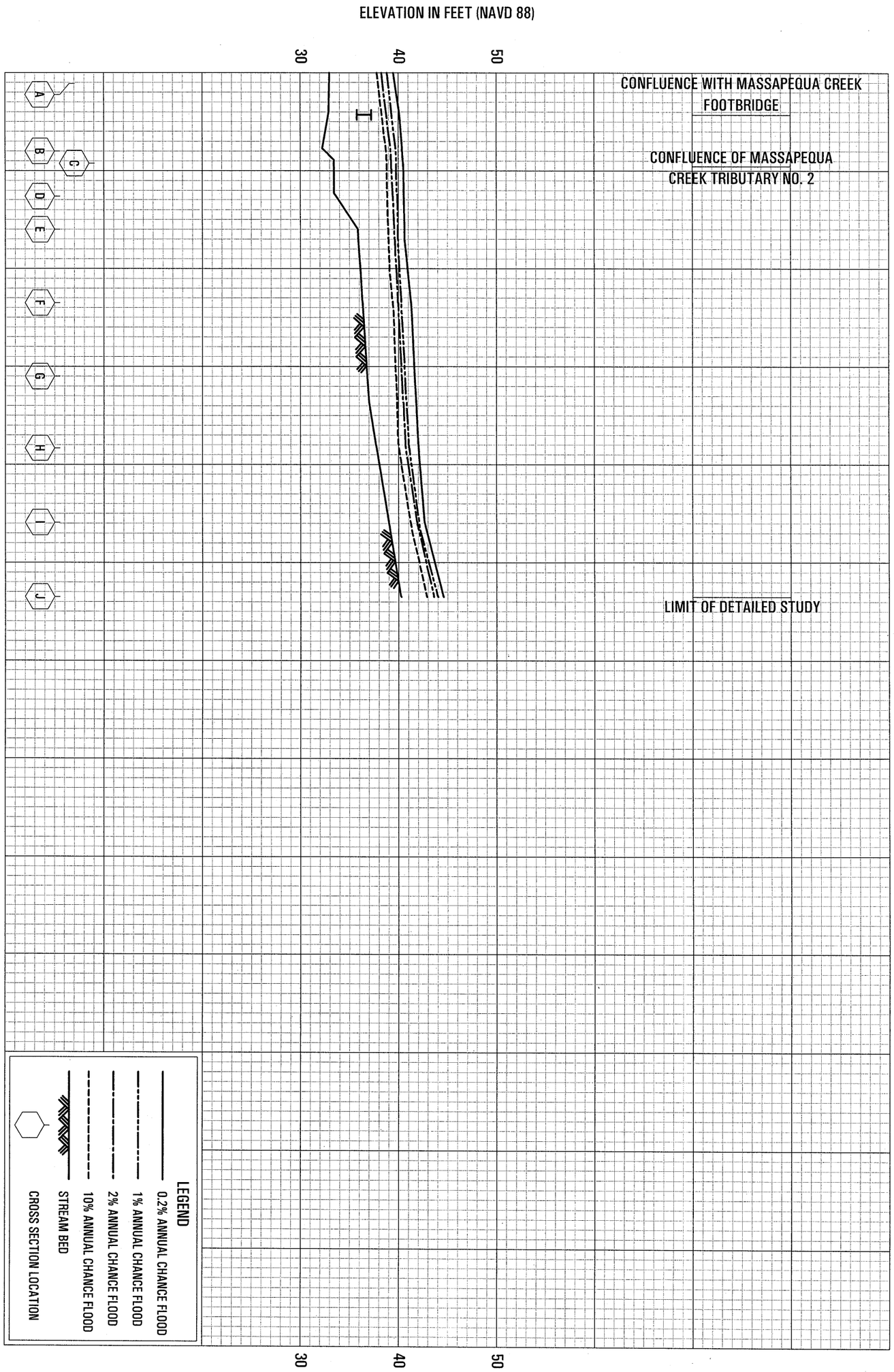


04P

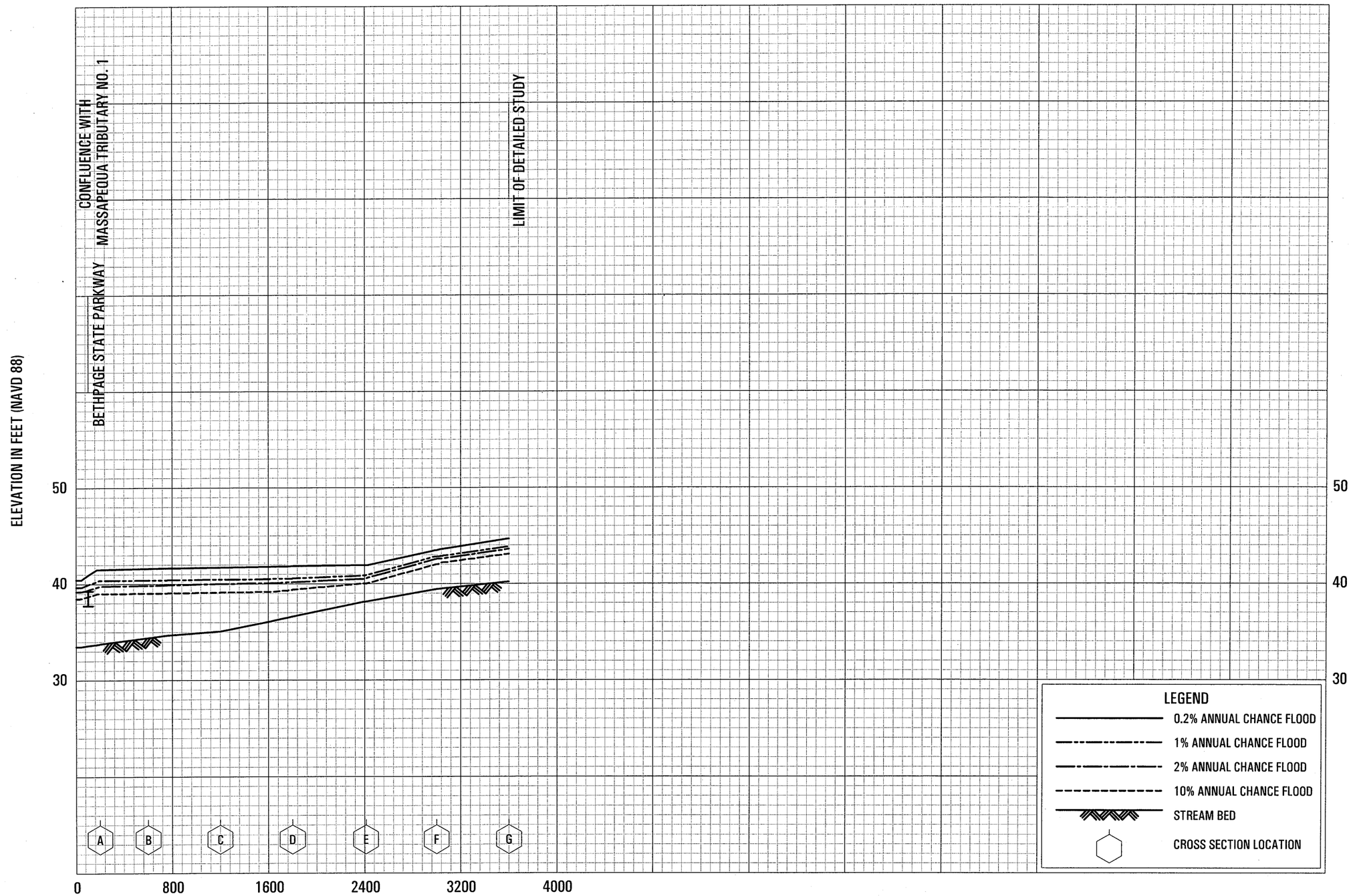
FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

FLOOD PROFILES

MASSAPEQUA CREEK TRIBUTARY NO. 1



FLOOD PROFILES

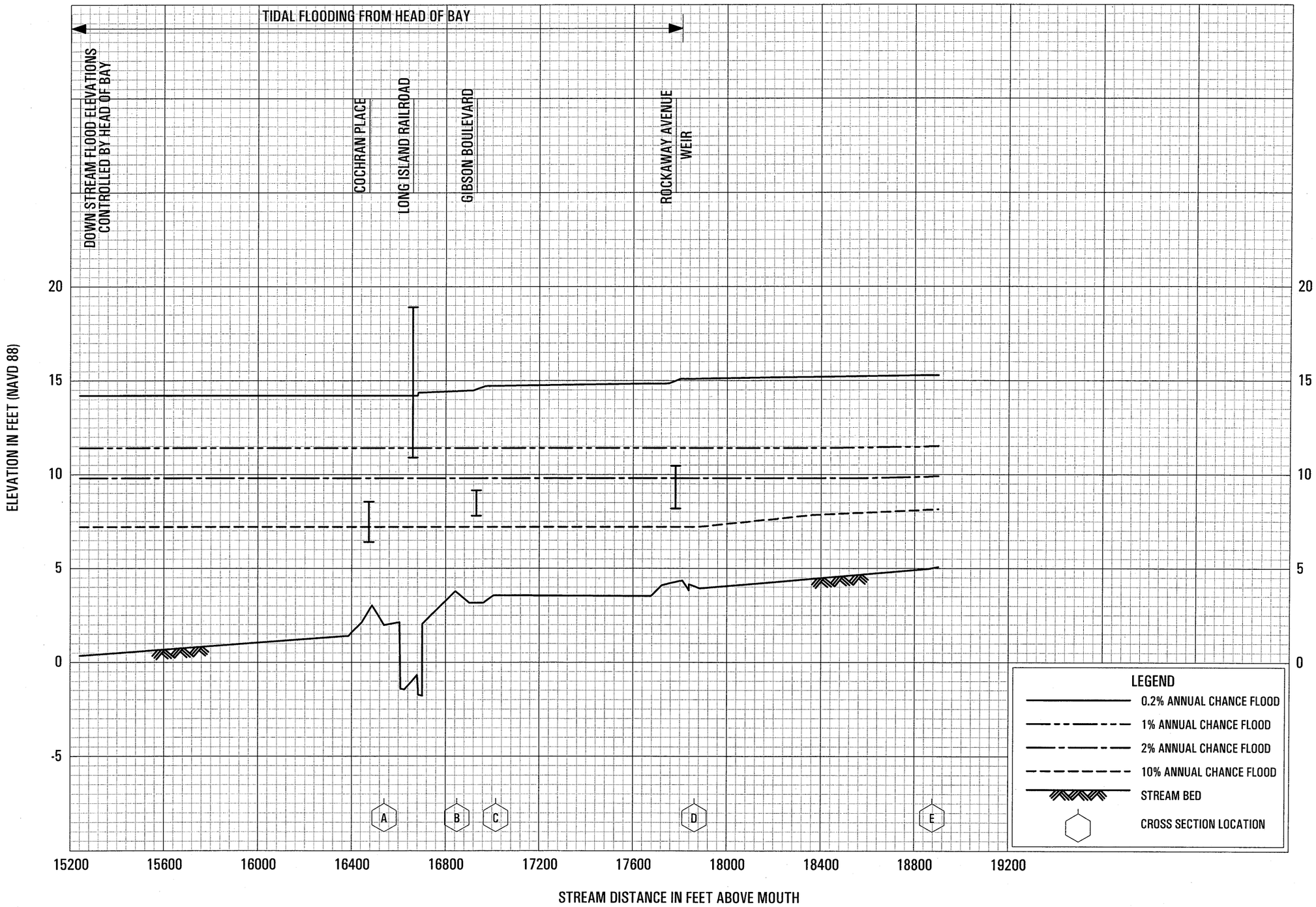
MASSAPEQUA CREEK TRIBUTARY NO. 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

05P



FLOOD PROFILES

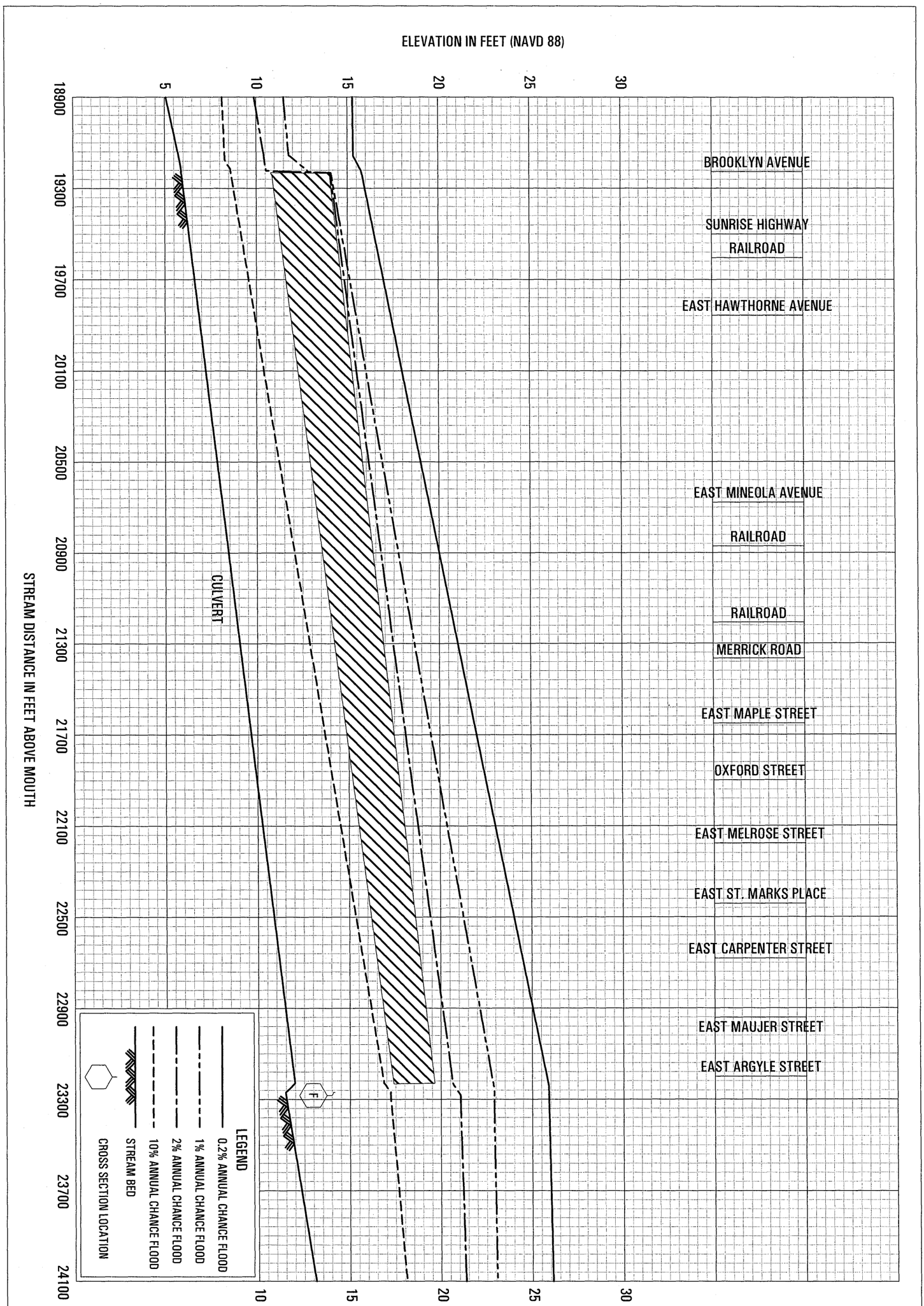
MOTTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

06P



07P

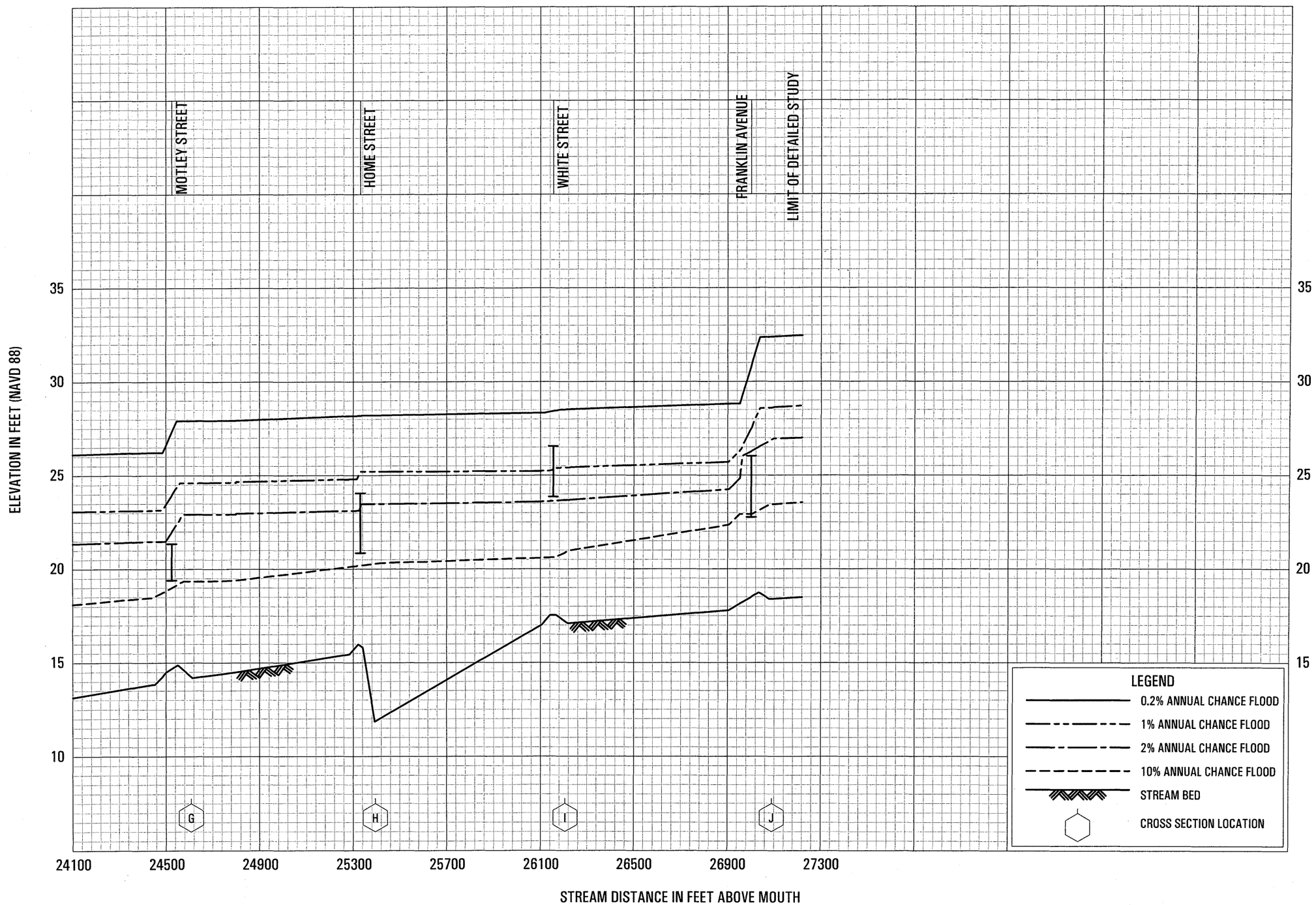
FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

FLOOD PROFILES

MOTTS CREEK



FLOOD PROFILES

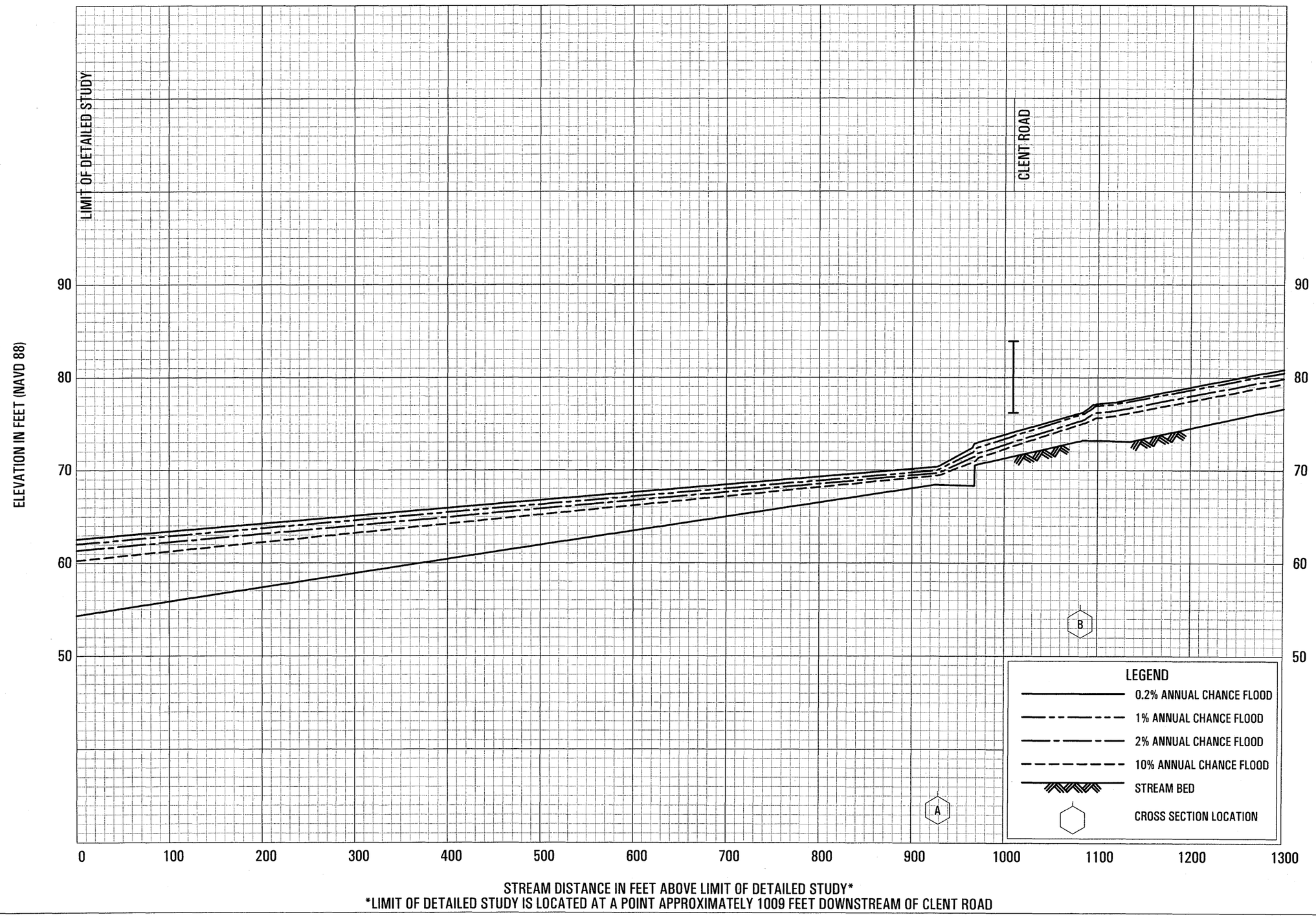
MOTTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

08P



FLOOD PROFILES

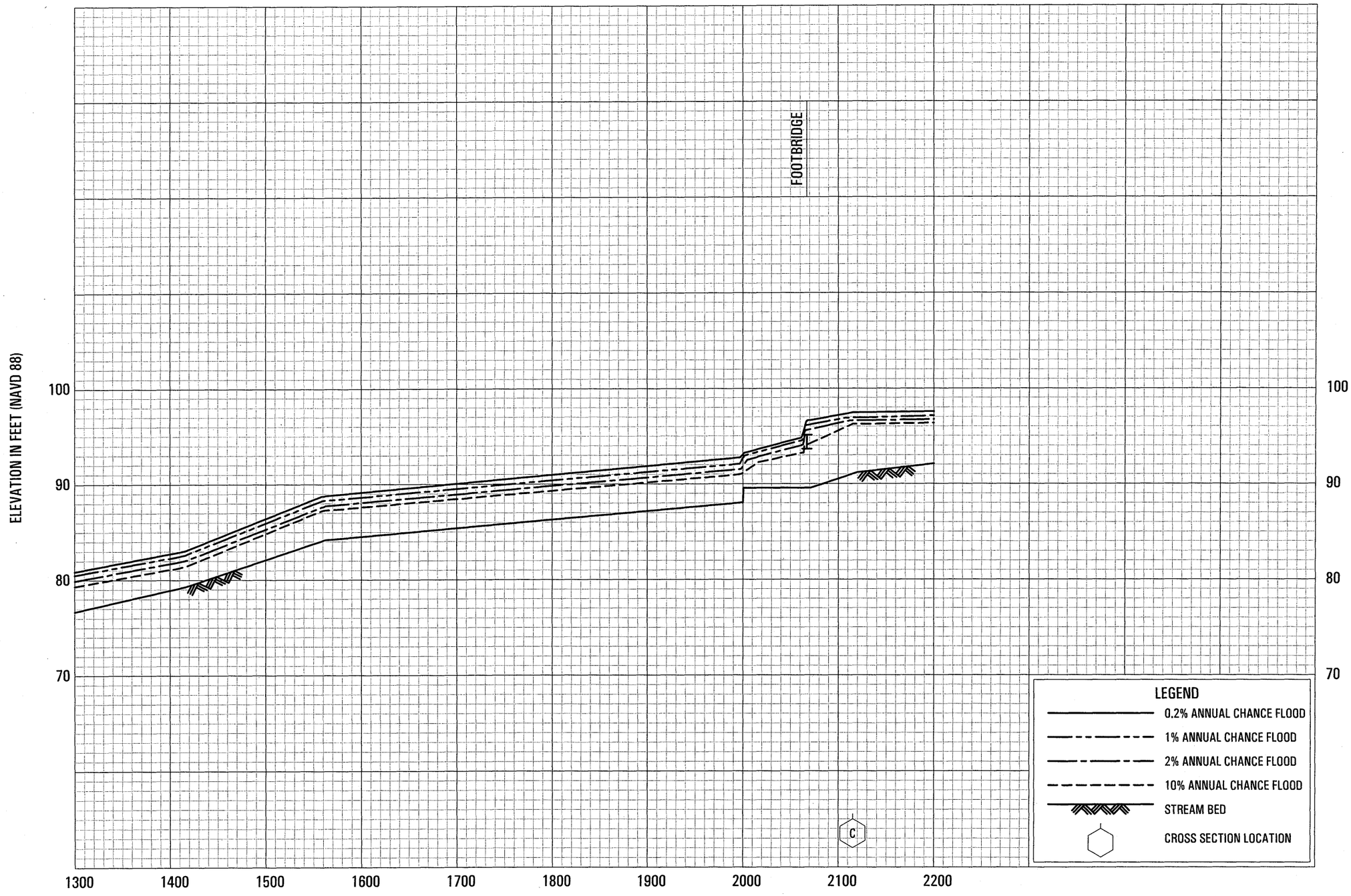
RUSSELLS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

09P



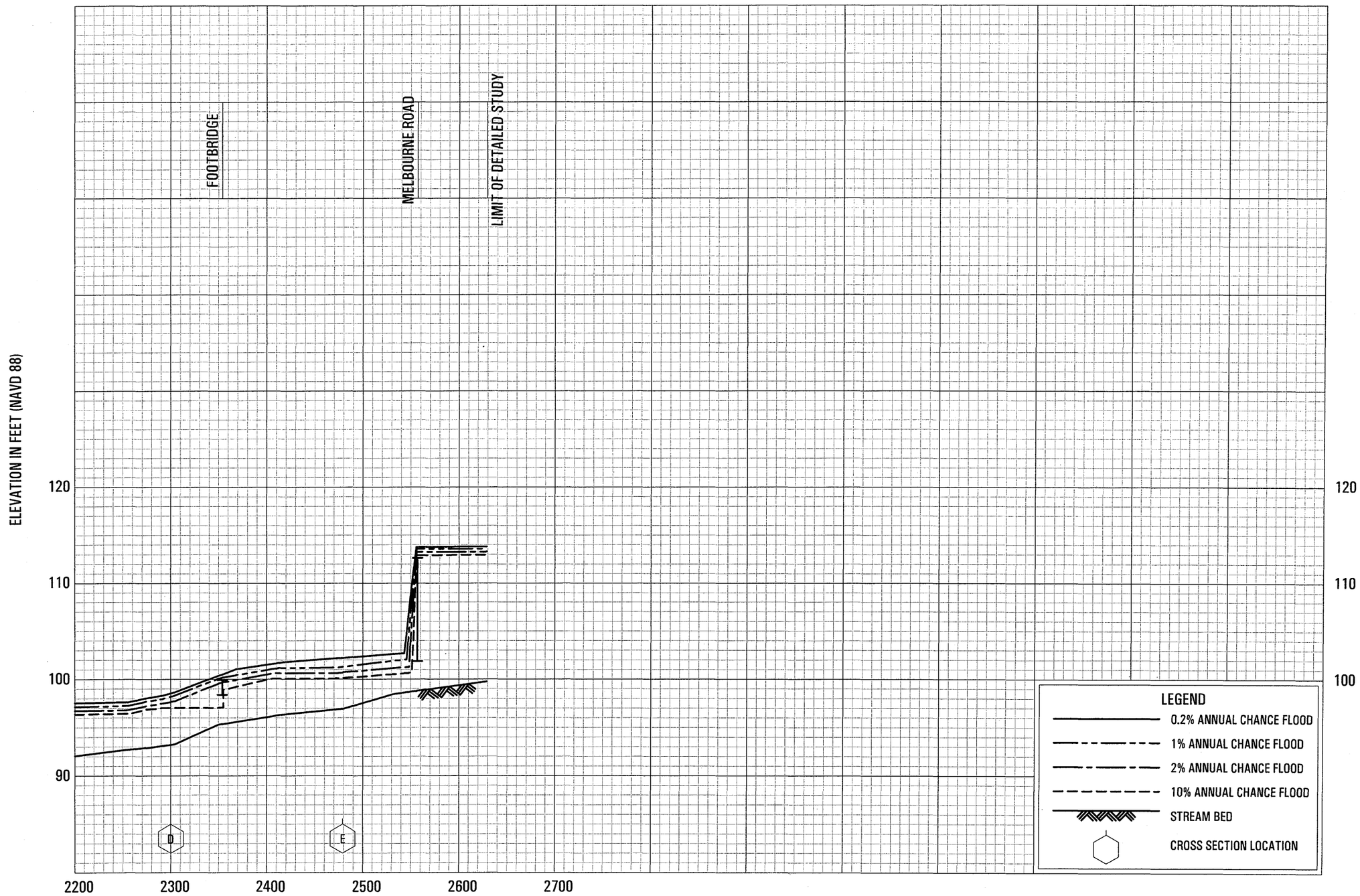
FLOOD PROFILES

RUSSELLS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)



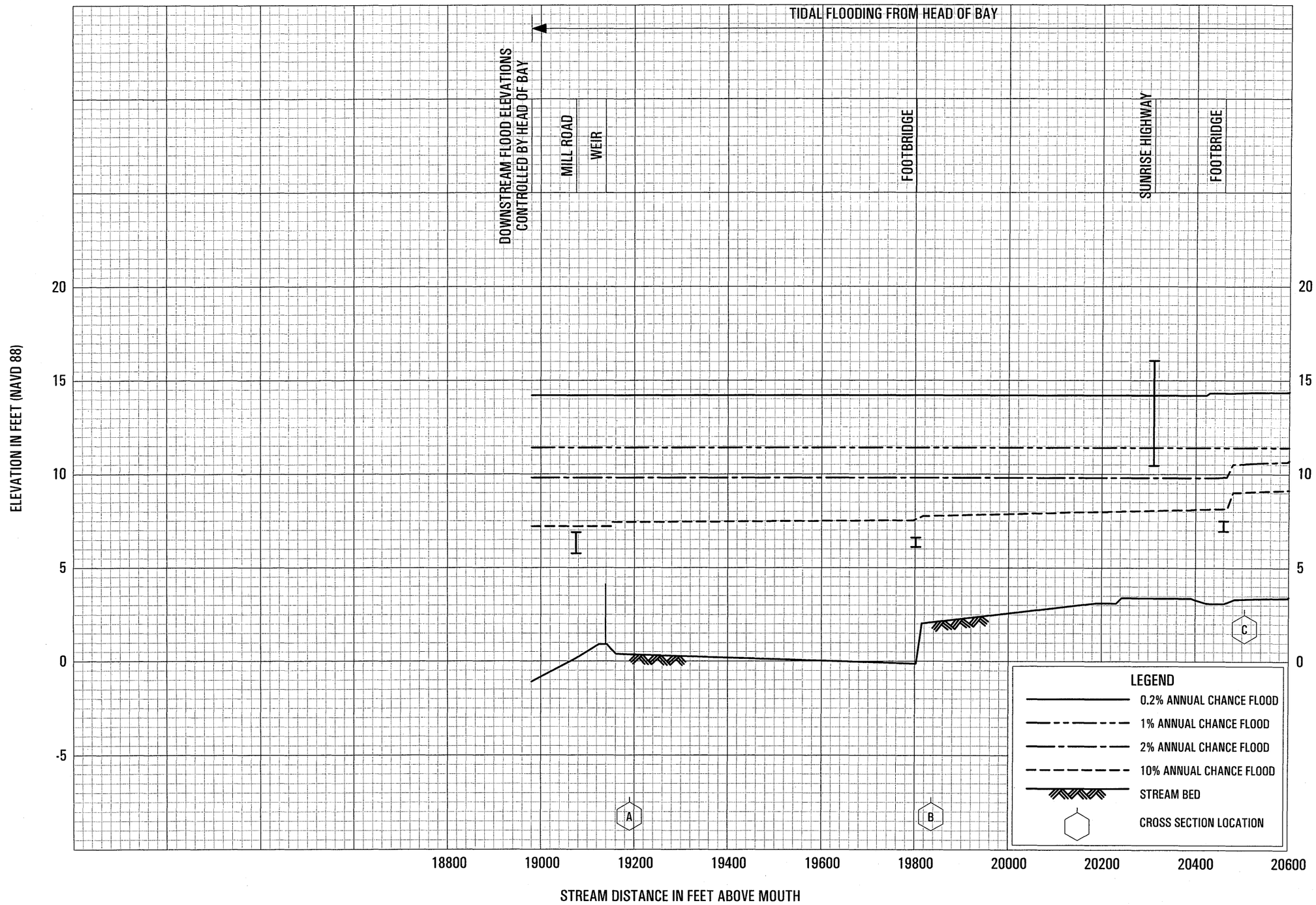
FLOOD PROFILES

RUSSELLS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)



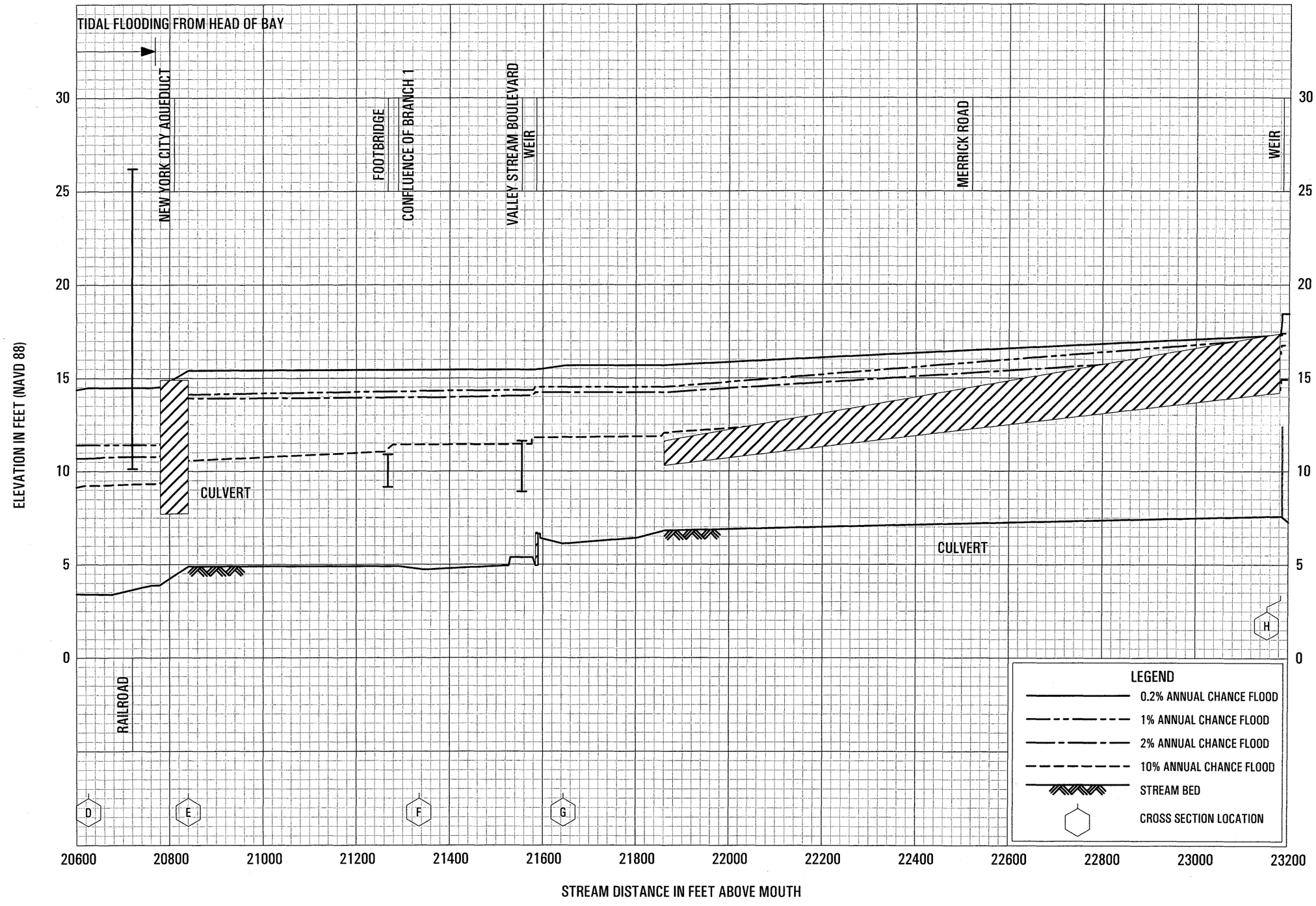
FLOOD PROFILES

VALLEY STREAM

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)



FLOOD PROFILES

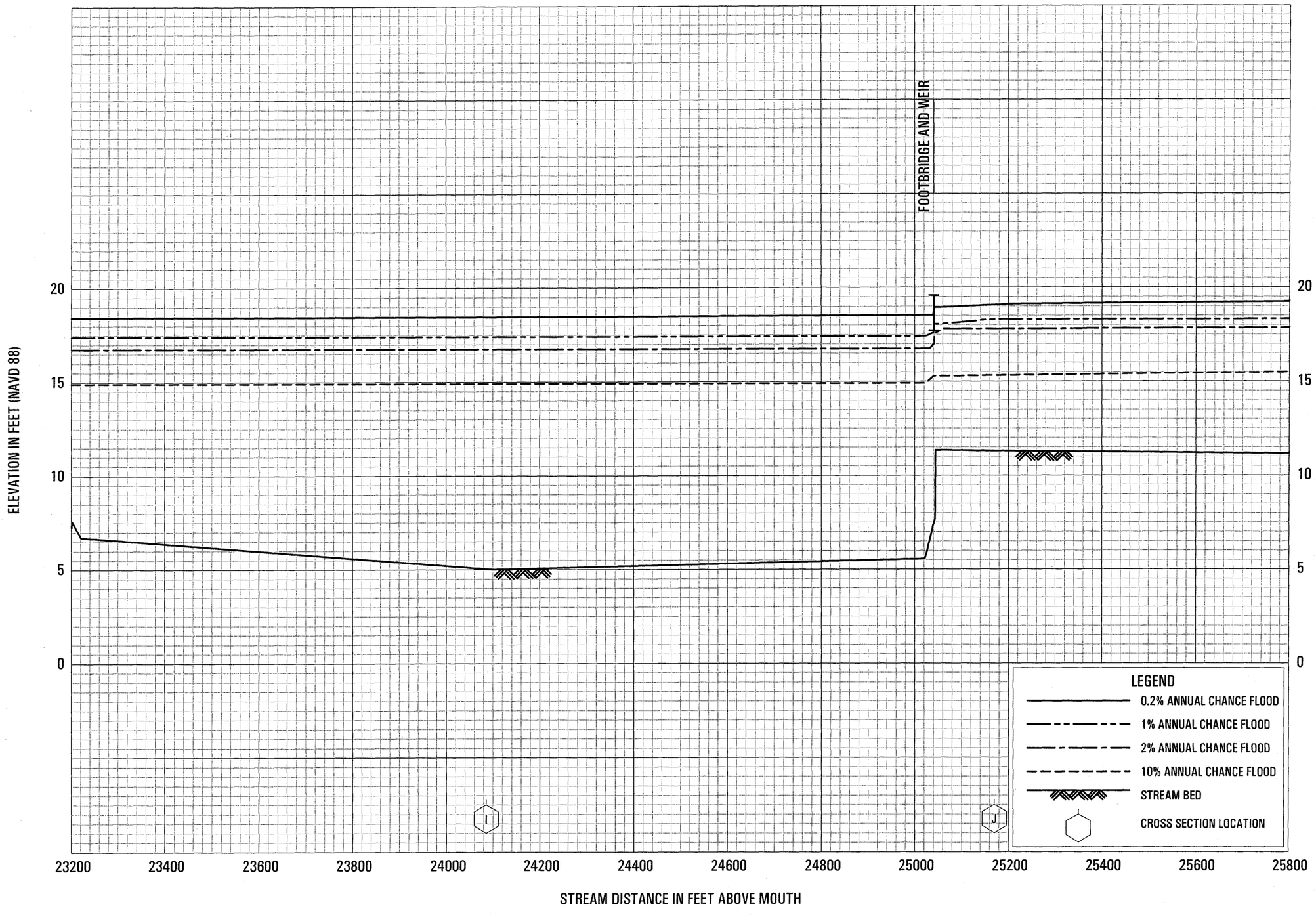
VALLEY STREAM

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

13P



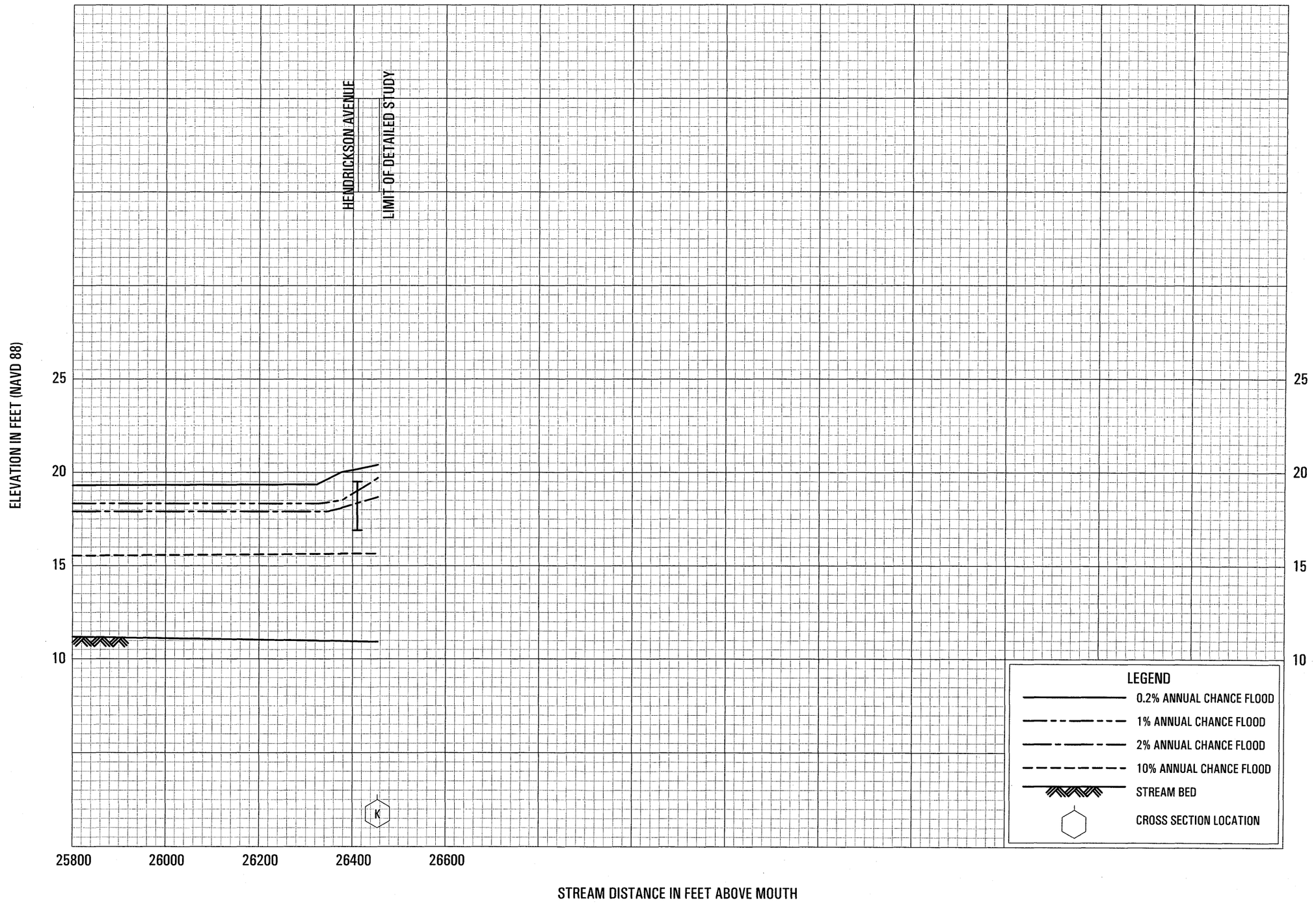
FLOOD PROFILES

VALLEY STREAM

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)



FLOOD PROFILES

VALLEY STREAM

FEDERAL EMERGENCY MANAGEMENT AGENCY

NASSAU COUNTY, NY

(ALL JURISDICTIONS)

Summary of HEC-HMS Peak Flows Existing Cond 8/24/2015

Storm Frequency	Location	Time Hr: Min	Peak Inflow CFS	Peak Outflow CFS	Time Hr: Min
5 year	Mill Creek into NE Pond	12:45	1831	1760	13:00
5 year	NW Pond Outlet	13:00	631	564	14:45
5 year	Hempstead Lake Outlet	14:45	611	25.2	29:45
5 year	South Pond Outlet	13:00	233	128	14:30
5 year	Smith Pond Outlet	13:45	1433	1342	14:15
25 year	Mill Creek into NE Pond	12:45	3051	2901	12:45
25 year	NW Pond Outlet	13:30	2368	1432	14:15
25 year	Hempstead Lake Outlet	14:15	1489	68	29:15
25 year	South Pond Outlet	13:00	392	210	14:15
25 year	Smith Pond Outlet	14:00	2058	2004	14:30
100 year	Mill Creek into NE Pond	12:45	4337	4160	12:45
100 year	NW Pond Outlet	13:15	4387	3404	13:30
100 year	Hempstead Lake Outlet	14:00	3443	78.9	28:30
100 year	South Pond Outlet	13:00	591	301	14:00
100 year	Smith Pond Outlet	14:15	2510	2471	14:30
PMP full	Mill Creek into NE Pond	16:15	25723	25486	16:15
PMP full	NW Pond Outlet	16:15	32616	31306	16:30
PMP full	Hempstead Lake Outlet	16:45	32129	902	17:45
PMP full	Hempstead Lake Overtop	17:45	18367	18362	17:45
PMP full	South Pond Outlet	17:30	20883	19981	17:45
PMP full	Smith Pond Outlet	17:15	36169	35338	17:30
1/2 PMP	Mill Creek into NE Pond	16:15	12862	12743	16:15
1/2 PMP	NW Pond Outlet	16:15	16308	15653	16:30
1/2 PMP	Hempstead Lake Outlet	16:45	16065	451	17:45
1/2 PMP	Hempstead Lake Overtop	17:45	9184	9181	17:45
1/2 PMP	South Pond Outlet	17:30	10442	9991	17:45
1/2 PMP	Smith Pond Outlet	17:15	18085	17669	17:30

Project: hempstead lake
Simulation Run: 006 8-24-15 5 year Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 25Aug2015, 12:15:58 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.0	0.0
01Jun2015	08:45	0.0	0.0
01Jun2015	09:00	0.0	0.0
01Jun2015	09:15	0.0	0.0
01Jun2015	09:30	0.0	0.0
01Jun2015	09:45	0.4	0.3
01Jun2015	10:00	1.8	1.0
01Jun2015	10:15	5.7	3.5
01Jun2015	10:30	13.6	9.1
01Jun2015	10:45	26.1	19.0
01Jun2015	11:00	43.5	33.6
01Jun2015	11:15	66.7	53.6
01Jun2015	11:30	99.1	80.8
01Jun2015	11:45	160.6	126.0
01Jun2015	12:00	351.3	255.8
01Jun2015	12:15	855.0	644.1
01Jun2015	12:30	1497.5	1254.1
01Jun2015	12:45	1831.0	1712.9
01Jun2015	13:00	1743.7	1760.4
01Jun2015	13:15	1441.5	1541.1
01Jun2015	13:30	1125.6	1239.8
01Jun2015	13:45	879.6	975.6

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	707.3	778.3
01Jun2015	14:15	589.5	641.0
01Jun2015	14:30	506.9	544.1
01Jun2015	14:45	447.5	475.4
01Jun2015	15:00	403.4	424.6
01Jun2015	15:15	369.0	385.9
01Jun2015	15:30	340.4	354.7
01Jun2015	15:45	315.2	328.0
01Jun2015	16:00	291.8	303.9
01Jun2015	16:15	269.6	281.2
01Jun2015	16:30	248.8	259.9
01Jun2015	16:45	230.4	240.5
01Jun2015	17:00	214.5	223.4
01Jun2015	17:15	201.1	208.8
01Jun2015	17:30	189.4	196.2
01Jun2015	17:45	178.8	185.0
01Jun2015	18:00	168.6	174.6
01Jun2015	18:15	158.6	164.5
01Jun2015	18:30	149.1	154.7
01Jun2015	18:45	141.1	145.8
01Jun2015	19:00	134.9	138.6
01Jun2015	19:15	130.1	132.9
01Jun2015	19:30	125.9	128.3
01Jun2015	19:45	122.2	124.3
01Jun2015	20:00	118.8	120.8
01Jun2015	20:15	115.9	117.6
01Jun2015	20:30	113.3	114.8
01Jun2015	20:45	110.5	112.1
01Jun2015	21:00	107.6	109.3
01Jun2015	21:15	104.8	106.4
01Jun2015	21:30	102.2	103.7

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	100.1	101.3
01Jun2015	22:00	98.2	99.3
01Jun2015	22:15	96.3	97.4
01Jun2015	22:30	94.2	95.4
01Jun2015	22:45	91.9	93.3
01Jun2015	23:00	89.5	90.9
01Jun2015	23:15	87.0	88.4
01Jun2015	23:30	84.7	86.0
01Jun2015	23:45	82.5	83.8
02Jun2015	00:00	80.5	81.7
02Jun2015	00:15	75.8	78.4
02Jun2015	00:30	64.3	70.7
02Jun2015	00:45	47.8	57.1
02Jun2015	01:00	31.4	40.9
02Jun2015	01:15	18.8	26.2
02Jun2015	01:30	10.6	15.6
02Jun2015	01:45	5.8	8.8
02Jun2015	02:00	3.2	4.9
02Jun2015	02:15	1.6	2.7
02Jun2015	02:30	0.8	1.4
02Jun2015	02:45	0.4	0.7
02Jun2015	03:00	0.2	0.3
02Jun2015	03:15	0.1	0.1
02Jun2015	03:30	0.0	0.0
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 006 8-24-15 5 year Reservoir: Northwest Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 25Aug2015, 12:15:58 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	24.4	22.0	230.4
01Jun2015	00:15	0.0	20.6	21.4	143.8
01Jun2015	00:30	0.0	18.2	21.1	95.6
01Jun2015	00:45	0.0	16.5	20.8	66.7
01Jun2015	01:00	0.0	15.3	20.6	48.3
01Jun2015	01:15	0.1	14.5	20.5	36.1
01Jun2015	01:30	0.3	13.8	20.4	27.7
01Jun2015	01:45	0.5	13.3	20.3	21.7
01Jun2015	02:00	0.6	12.9	20.3	17.4
01Jun2015	02:15	0.7	12.6	20.2	14.2
01Jun2015	02:30	0.9	12.4	20.2	11.8
01Jun2015	02:45	1.0	12.2	20.2	10.0
01Jun2015	03:00	1.2	12.0	20.1	8.5
01Jun2015	03:15	1.3	11.9	20.1	7.4
01Jun2015	03:30	1.4	11.7	20.1	6.5
01Jun2015	03:45	1.6	11.6	20.1	5.8
01Jun2015	04:00	1.7	11.6	20.1	5.2
01Jun2015	04:15	1.8	11.5	20.1	4.7
01Jun2015	04:30	2.0	11.4	20.1	4.4
01Jun2015	04:45	2.1	11.4	20.1	4.1
01Jun2015	05:00	2.2	11.4	20.1	3.8
01Jun2015	05:15	2.3	11.3	20.1	3.6
01Jun2015	05:30	2.4	11.3	20.0	3.5
01Jun2015	05:45	2.6	11.3	20.0	3.4
01Jun2015	06:00	2.7	11.3	20.0	3.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	2.8	11.3	20.0	3.2
01Jun2015	06:30	3.1	11.3	20.0	3.2
01Jun2015	06:45	3.4	11.3	20.0	3.2
01Jun2015	07:00	3.6	11.3	20.0	3.2
01Jun2015	07:15	3.9	11.3	20.0	3.3
01Jun2015	07:30	4.2	11.3	20.0	3.4
01Jun2015	07:45	4.5	11.3	20.0	3.5
01Jun2015	08:00	4.8	11.3	20.1	3.6
01Jun2015	08:15	5.2	11.4	20.1	3.8
01Jun2015	08:30	5.8	11.4	20.1	4.0
01Jun2015	08:45	6.4	11.4	20.1	4.3
01Jun2015	09:00	7.1	11.5	20.1	4.6
01Jun2015	09:15	7.6	11.5	20.1	4.9
01Jun2015	09:30	8.3	11.6	20.1	5.4
01Jun2015	09:45	9.1	11.6	20.1	5.8
01Jun2015	10:00	10.2	11.7	20.1	6.4
01Jun2015	10:15	12.2	11.8	20.1	7.1
01Jun2015	10:30	15.4	11.9	20.1	8.1
01Jun2015	10:45	19.8	12.1	20.2	9.6
01Jun2015	11:00	25.4	12.4	20.2	11.8
01Jun2015	11:15	33.7	12.7	20.3	15.1
01Jun2015	11:30	46.3	13.2	20.3	20.0
01Jun2015	11:45	83.0	14.0	20.4	29.7
01Jun2015	12:00	199.1	16.0	20.7	58.2
01Jun2015	12:15	365.8	19.9	21.3	128.8
01Jun2015	12:30	508.0	25.0	22.0	237.3
01Jun2015	12:45	599.1	30.8	22.4	306.1
01Jun2015	13:00	630.8	36.4	22.8	378.0
01Jun2015	13:15	629.8	41.0	23.1	439.6
01Jun2015	13:30	621.0	44.3	23.4	486.7
01Jun2015	13:45	608.4	46.6	23.5	520.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	597.3	48.1	23.6	541.8
01Jun2015	14:15	586.4	49.0	23.7	555.2
01Jun2015	14:30	575.2	49.4	23.7	562.1
01Jun2015	14:45	562.9	49.6	23.7	564.0
01Jun2015	15:00	550.0	49.4	23.7	561.9
01Jun2015	15:15	536.6	49.1	23.7	556.9
01Jun2015	15:30	522.7	48.6	23.7	549.6
01Jun2015	15:45	508.0	48.0	23.6	540.5
01Jun2015	16:00	492.4	47.3	23.6	529.8
01Jun2015	16:15	476.5	46.5	23.5	517.8
01Jun2015	16:30	460.4	45.6	23.4	504.9
01Jun2015	16:45	444.6	44.6	23.4	491.2
01Jun2015	17:00	429.3	43.6	23.3	477.2
01Jun2015	17:15	414.5	42.7	23.2	463.1
01Jun2015	17:30	398.9	41.6	23.2	448.8
01Jun2015	17:45	383.4	40.6	23.1	434.3
01Jun2015	18:00	368.1	39.5	23.0	419.7
01Jun2015	18:15	353.4	38.5	23.0	405.2
01Jun2015	18:30	339.3	37.4	22.9	391.0
01Jun2015	18:45	326.0	36.3	22.8	376.9
01Jun2015	19:00	313.7	35.3	22.7	363.3
01Jun2015	19:15	302.1	34.3	22.7	350.2
01Jun2015	19:30	291.3	33.3	22.6	337.7
01Jun2015	19:45	281.0	32.4	22.5	325.7
01Jun2015	20:00	271.4	31.5	22.5	314.4
01Jun2015	20:15	262.5	30.6	22.4	303.6
01Jun2015	20:30	253.9	29.8	22.4	293.4
01Jun2015	20:45	245.8	29.0	22.3	283.7
01Jun2015	21:00	238.1	28.2	22.3	274.5
01Jun2015	21:15	230.2	27.5	22.2	265.7
01Jun2015	21:30	222.6	26.7	22.2	257.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	215.4	26.0	22.1	249.0
01Jun2015	22:00	208.7	25.3	22.1	241.2
01Jun2015	22:15	202.3	24.7	22.0	233.7
01Jun2015	22:30	196.2	24.1	22.0	222.9
01Jun2015	22:45	190.3	23.6	21.9	211.1
01Jun2015	23:00	184.7	23.2	21.8	201.8
01Jun2015	23:15	179.4	22.9	21.8	194.2
01Jun2015	23:30	174.4	22.6	21.7	187.5
01Jun2015	23:45	169.6	22.3	21.7	181.6
02Jun2015	00:00	164.9	22.1	21.7	176.1
02Jun2015	00:15	158.2	21.8	21.6	170.7
02Jun2015	00:30	150.3	21.6	21.6	164.5
02Jun2015	00:45	141.1	21.2	21.5	157.6
02Jun2015	01:00	132.2	20.9	21.5	150.0
02Jun2015	01:15	124.3	20.5	21.4	142.2
02Jun2015	01:30	117.2	20.2	21.4	134.6
02Jun2015	01:45	110.9	19.8	21.3	127.4
02Jun2015	02:00	105.1	19.5	21.3	120.8
02Jun2015	02:15	99.8	19.2	21.2	114.6
02Jun2015	02:30	94.9	18.9	21.2	108.8
02Jun2015	02:45	90.3	18.6	21.1	103.5
02Jun2015	03:00	86.1	18.3	21.1	98.5
02Jun2015	03:15	81.8	18.1	21.1	93.8
02Jun2015	03:30	77.7	17.8	21.0	89.4
02Jun2015	03:45	73.9	17.6	21.0	85.2
02Jun2015	04:00	70.3	17.4	21.0	81.1
02Jun2015	04:15	67.0	17.1	20.9	77.3
02Jun2015	04:30	63.9	16.9	20.9	73.8
02Jun2015	04:45	61.0	16.7	20.9	70.4
02Jun2015	05:00	58.3	16.5	20.8	67.3
02Jun2015	05:15	55.7	16.4	20.8	64.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	53.3	16.2	20.8	61.5
02Jun2015	05:45	51.1	16.0	20.8	58.9
02Jun2015	06:00	48.9	15.9	20.7	56.4
02Jun2015	06:15	46.9	15.7	20.7	54.1
02Jun2015	06:30	45.0	15.6	20.7	51.9
02Jun2015	06:45	43.2	15.4	20.7	49.8
02Jun2015	07:00	41.5	15.3	20.6	47.8
02Jun2015	07:15	39.9	15.2	20.6	45.9
02Jun2015	07:30	38.4	15.0	20.6	44.2
02Jun2015	07:45	36.9	14.9	20.6	42.5
02Jun2015	08:00	35.5	14.8	20.6	40.9
02Jun2015	08:15	34.2	14.7	20.6	39.4
02Jun2015	08:30	33.0	14.6	20.5	37.9
02Jun2015	08:45	31.8	14.5	20.5	36.6
02Jun2015	09:00	30.6	14.4	20.5	35.3
02Jun2015	09:15	29.5	14.3	20.5	34.0
02Jun2015	09:30	28.5	14.2	20.5	32.8
02Jun2015	09:45	27.5	14.1	20.5	31.7
02Jun2015	10:00	26.6	14.0	20.5	30.6
02Jun2015	10:15	25.7	14.0	20.4	29.6
02Jun2015	10:30	24.8	13.9	20.4	28.6
02Jun2015	10:45	24.0	13.8	20.4	27.6
02Jun2015	11:00	23.2	13.7	20.4	26.7
02Jun2015	11:15	22.5	13.7	20.4	25.9
02Jun2015	11:30	21.8	13.6	20.4	25.1
02Jun2015	11:45	21.1	13.5	20.4	24.3
02Jun2015	12:00	20.4	13.5	20.4	23.5

Project: hempstead lake
Simulation Run: 006 8-24-15 5 year Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 25Aug2015, 12:15:58 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	90.3	654.2	22.0	29.3
01Jun2015	00:15	182.7	656.4	22.0	29.5
01Jun2015	00:30	153.4	659.3	22.0	29.7
01Jun2015	00:45	100.4	661.3	22.1	29.9
01Jun2015	01:00	69.2	662.4	22.1	30.0
01Jun2015	01:15	50.1	663.0	22.1	30.1
01Jun2015	01:30	37.8	663.3	22.1	30.1
01Jun2015	01:45	29.5	663.4	22.1	30.1
01Jun2015	02:00	23.7	663.3	22.1	30.1
01Jun2015	02:15	19.6	663.1	22.1	30.1
01Jun2015	02:30	16.7	662.9	22.1	30.1
01Jun2015	02:45	14.6	662.6	22.1	30.1
01Jun2015	03:00	13.0	662.3	22.1	30.0
01Jun2015	03:15	11.9	661.9	22.1	30.0
01Jun2015	03:30	11.1	661.5	22.1	30.0
01Jun2015	03:45	10.5	661.1	22.1	29.9
01Jun2015	04:00	10.1	660.7	22.1	29.9
01Jun2015	04:15	9.8	660.3	22.1	29.8
01Jun2015	04:30	9.6	659.9	22.0	29.8
01Jun2015	04:45	9.5	659.5	22.0	29.8
01Jun2015	05:00	9.4	659.1	22.0	29.7
01Jun2015	05:15	9.5	658.6	22.0	29.7
01Jun2015	05:30	9.6	658.2	22.0	29.6
01Jun2015	05:45	9.7	657.8	22.0	29.6
01Jun2015	06:00	9.9	657.4	22.0	29.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	10.2	657.0	22.0	29.5
01Jun2015	06:30	10.8	656.6	22.0	29.5
01Jun2015	06:45	11.4	656.2	22.0	29.5
01Jun2015	07:00	12.1	655.9	22.0	29.4
01Jun2015	07:15	12.8	655.5	22.0	29.4
01Jun2015	07:30	13.6	655.2	22.0	29.4
01Jun2015	07:45	14.3	654.9	22.0	29.3
01Jun2015	08:00	15.3	654.6	22.0	29.3
01Jun2015	08:15	16.2	654.3	22.0	29.3
01Jun2015	08:30	17.9	654.0	22.0	29.2
01Jun2015	08:45	19.5	653.8	22.0	29.2
01Jun2015	09:00	21.5	653.6	22.0	29.2
01Jun2015	09:15	23.2	653.5	22.0	29.2
01Jun2015	09:30	25.0	653.4	22.0	29.2
01Jun2015	09:45	27.1	653.3	22.0	29.2
01Jun2015	10:00	29.2	653.3	22.0	29.2
01Jun2015	10:15	31.8	653.3	22.0	29.2
01Jun2015	10:30	35.3	653.4	22.0	29.2
01Jun2015	10:45	39.2	653.6	22.0	29.2
01Jun2015	11:00	43.9	653.8	22.0	29.2
01Jun2015	11:15	52.5	654.2	22.0	29.3
01Jun2015	11:30	66.4	654.8	22.0	29.3
01Jun2015	11:45	121.8	656.2	22.0	29.5
01Jun2015	12:00	281.3	659.7	22.0	29.8
01Jun2015	12:15	362.8	665.8	22.1	30.3
01Jun2015	12:30	323.1	672.2	22.2	30.9
01Jun2015	12:45	342.5	678.5	22.2	31.5
01Jun2015	13:00	397.2	685.4	22.3	32.1
01Jun2015	13:15	450.9	693.5	22.3	32.8
01Jun2015	13:30	500.9	702.7	22.4	33.6
01Jun2015	13:45	540.3	712.7	22.5	34.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	567.5	723.5	22.6	35.2
01Jun2015	14:15	581.8	734.6	22.7	36.1
01Jun2015	14:30	595.8	746.0	22.8	37.0
01Jun2015	14:45	611.3	757.7	22.9	37.8
01Jun2015	15:00	606.4	769.5	23.0	38.7
01Jun2015	15:15	601.9	781.2	23.1	39.5
01Jun2015	15:30	577.2	792.5	23.2	40.3
01Jun2015	15:45	574.7	803.6	23.3	41.1
01Jun2015	16:00	570.4	814.6	23.4	41.8
01Jun2015	16:15	546.7	825.2	23.4	42.5
01Jun2015	16:30	543.3	835.6	23.5	43.2
01Jun2015	16:45	522.9	845.7	23.6	43.8
01Jun2015	17:00	511.6	855.5	23.7	44.4
01Jun2015	17:15	492.5	864.9	23.8	45.0
01Jun2015	17:30	480.9	874.1	23.9	45.6
01Jun2015	17:45	461.6	882.8	23.9	46.1
01Jun2015	18:00	441.3	891.2	24.0	46.6
01Jun2015	18:15	421.9	899.2	24.1	47.1
01Jun2015	18:30	418.0	906.9	24.1	47.5
01Jun2015	18:45	400.7	914.3	24.2	47.9
01Jun2015	19:00	382.3	921.4	24.2	48.3
01Jun2015	19:15	365.2	928.2	24.3	48.7
01Jun2015	19:30	362.3	934.7	24.3	49.0
01Jun2015	19:45	346.6	941.0	24.4	49.4
01Jun2015	20:00	337.5	947.0	24.4	49.7
01Jun2015	20:15	323.0	952.8	24.5	50.0
01Jun2015	20:30	315.1	958.4	24.5	50.3
01Jun2015	20:45	298.7	963.7	24.6	50.6
01Jun2015	21:00	297.4	968.8	24.6	50.8
01Jun2015	21:15	282.8	973.7	24.7	51.1
01Jun2015	21:30	267.8	978.3	24.7	51.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	261.3	982.7	24.7	51.5
01Jun2015	22:00	251.1	987.0	24.8	51.8
01Jun2015	22:15	245.2	991.0	24.8	52.0
01Jun2015	22:30	243.3	995.0	24.8	52.2
01Jun2015	22:45	228.3	998.8	24.9	52.4
01Jun2015	23:00	215.1	1002.3	24.9	52.5
01Jun2015	23:15	213.9	1005.6	24.9	52.7
01Jun2015	23:30	200.9	1008.8	24.9	52.9
01Jun2015	23:45	188.0	1011.7	25.0	53.0
02Jun2015	00:00	187.4	1014.5	25.0	53.1
02Jun2015	00:15	181.7	1017.2	25.0	53.3
02Jun2015	00:30	170.0	1019.8	25.0	53.4
02Jun2015	00:45	166.9	1022.1	25.0	53.5
02Jun2015	01:00	154.9	1024.4	25.1	53.6
02Jun2015	01:15	144.6	1026.4	25.1	53.7
02Jun2015	01:30	136.6	1028.1	25.1	53.8
02Jun2015	01:45	128.1	1029.8	25.1	53.9
02Jun2015	02:00	122.5	1031.2	25.1	54.0
02Jun2015	02:15	114.9	1032.6	25.1	54.0
02Jun2015	02:30	110.7	1033.8	25.1	54.1
02Jun2015	02:45	103.3	1034.9	25.1	54.1
02Jun2015	03:00	100.1	1035.9	25.2	54.2
02Jun2015	03:15	93.8	1036.7	25.2	54.2
02Jun2015	03:30	90.7	1037.5	25.2	54.3
02Jun2015	03:45	85.3	1038.2	25.2	54.3
02Jun2015	04:00	82.2	1038.8	25.2	54.3
02Jun2015	04:15	77.7	1039.4	25.2	54.4
02Jun2015	04:30	74.5	1039.8	25.2	54.4
02Jun2015	04:45	71.5	1040.2	25.2	54.4
02Jun2015	05:00	67.4	1040.5	25.2	54.4
02Jun2015	05:15	65.1	1040.8	25.2	54.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	63.9	1041.0	25.2	54.4
02Jun2015	05:45	62.3	1041.1	25.2	54.5
02Jun2015	06:00	58.6	1041.3	25.2	54.5
02Jun2015	06:15	57.1	1041.3	25.2	54.5
02Jun2015	06:30	53.8	1041.4	25.2	54.5
02Jun2015	06:45	52.5	1041.3	25.2	54.5
02Jun2015	07:00	49.6	1041.3	25.2	54.5
02Jun2015	07:15	46.9	1041.1	25.2	54.4
02Jun2015	07:30	43.9	1040.9	25.2	54.4
02Jun2015	07:45	43.4	1040.7	25.2	54.4
02Jun2015	08:00	40.6	1040.5	25.2	54.4
02Jun2015	08:15	40.2	1040.2	25.2	54.4
02Jun2015	08:30	37.7	1039.9	25.2	54.4
02Jun2015	08:45	37.3	1039.5	25.2	54.4
02Jun2015	09:00	35.0	1039.1	25.2	54.4
02Jun2015	09:15	34.7	1038.7	25.2	54.3
02Jun2015	09:30	32.6	1038.3	25.2	54.3
02Jun2015	09:45	32.3	1037.8	25.2	54.3
02Jun2015	10:00	30.4	1037.4	25.2	54.3
02Jun2015	10:15	30.1	1036.9	25.2	54.2
02Jun2015	10:30	28.4	1036.4	25.2	54.2
02Jun2015	10:45	28.2	1035.8	25.2	54.2
02Jun2015	11:00	26.6	1035.3	25.2	54.2
02Jun2015	11:15	26.4	1034.7	25.1	54.1
02Jun2015	11:30	24.9	1034.1	25.1	54.1
02Jun2015	11:45	24.7	1033.5	25.1	54.1
02Jun2015	12:00	23.4	1032.9	25.1	54.0

Project: hempstead lake
Simulation Run: 006 8-24-15 5 year Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 25Aug2015, 12:15:58 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	29.3	107.5	12.0	0.0
01Jun2015	00:15	29.4	108.1	12.0	0.3
01Jun2015	00:30	29.7	108.7	12.1	0.8
01Jun2015	00:45	29.9	109.3	12.1	1.5
01Jun2015	01:00	30.0	109.8	12.1	2.3
01Jun2015	01:15	30.2	110.4	12.1	3.2
01Jun2015	01:30	30.3	110.9	12.2	4.1
01Jun2015	01:45	30.4	111.5	12.2	5.1
01Jun2015	02:00	30.5	112.0	12.2	6.1
01Jun2015	02:15	30.5	112.5	12.2	7.1
01Jun2015	02:30	30.6	113.0	12.2	8.2
01Jun2015	02:45	30.6	113.4	12.3	9.2
01Jun2015	03:00	30.7	113.8	12.3	10.2
01Jun2015	03:15	30.7	114.3	12.3	11.2
01Jun2015	03:30	30.8	114.6	12.3	12.2
01Jun2015	03:45	30.8	115.0	12.3	13.2
01Jun2015	04:00	30.9	115.4	12.4	14.1
01Jun2015	04:15	30.9	115.7	12.4	15.0
01Jun2015	04:30	31.0	116.0	12.4	15.9
01Jun2015	04:45	31.0	116.3	12.4	16.8
01Jun2015	05:00	31.0	116.6	12.4	17.6
01Jun2015	05:15	31.1	116.9	12.4	18.4
01Jun2015	05:30	31.1	117.1	12.4	19.1
01Jun2015	05:45	31.2	117.4	12.4	19.8
01Jun2015	06:00	31.2	117.6	12.5	20.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	31.3	117.8	12.5	21.2
01Jun2015	06:30	31.4	118.0	12.5	21.8
01Jun2015	06:45	31.5	118.2	12.5	22.4
01Jun2015	07:00	31.7	118.4	12.5	23.0
01Jun2015	07:15	31.8	118.6	12.5	23.5
01Jun2015	07:30	32.0	118.8	12.5	24.1
01Jun2015	07:45	32.1	118.9	12.5	24.6
01Jun2015	08:00	32.3	119.1	12.5	25.1
01Jun2015	08:15	32.6	119.2	12.5	25.5
01Jun2015	08:30	32.9	119.4	12.5	26.0
01Jun2015	08:45	33.3	119.5	12.5	26.5
01Jun2015	09:00	33.7	119.6	12.5	26.9
01Jun2015	09:15	34.1	119.8	12.5	27.4
01Jun2015	09:30	34.6	119.9	12.6	27.9
01Jun2015	09:45	35.1	120.1	12.6	28.3
01Jun2015	10:00	35.6	120.2	12.6	28.8
01Jun2015	10:15	36.3	120.3	12.6	29.3
01Jun2015	10:30	37.3	120.5	12.6	29.8
01Jun2015	10:45	38.4	120.7	12.6	30.4
01Jun2015	11:00	39.8	120.8	12.6	31.0
01Jun2015	11:15	42.2	121.0	12.6	31.7
01Jun2015	11:30	46.1	121.3	12.6	32.5
01Jun2015	11:45	60.3	121.7	12.6	34.0
01Jun2015	12:00	102.6	122.6	12.7	37.5
01Jun2015	12:15	140.7	124.3	12.7	43.8
01Jun2015	12:30	173.0	126.5	12.8	52.9
01Jun2015	12:45	211.3	129.3	13.0	64.7
01Jun2015	13:00	233.1	132.4	13.1	79.0
01Jun2015	13:15	232.6	135.4	13.2	93.8
01Jun2015	13:30	216.7	138.0	13.4	107.0
01Jun2015	13:45	193.0	139.9	13.4	117.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	165.1	141.1	13.5	123.8
01Jun2015	14:15	142.0	141.7	13.5	127.0
01Jun2015	14:30	126.2	141.8	13.5	127.8
01Jun2015	14:45	115.1	141.7	13.5	127.0
01Jun2015	15:00	107.1	141.4	13.5	125.3
01Jun2015	15:15	101.1	141.0	13.5	123.0
01Jun2015	15:30	96.5	140.5	13.5	120.4
01Jun2015	15:45	92.8	140.0	13.4	117.7
01Jun2015	16:00	89.6	139.5	13.4	114.9
01Jun2015	16:15	86.9	139.0	13.4	112.1
01Jun2015	16:30	84.5	138.4	13.4	109.3
01Jun2015	16:45	82.3	137.9	13.4	106.7
01Jun2015	17:00	80.3	137.4	13.3	104.1
01Jun2015	17:15	78.6	137.0	13.3	101.5
01Jun2015	17:30	77.0	136.5	13.3	99.2
01Jun2015	17:45	75.6	136.0	13.3	96.9
01Jun2015	18:00	74.3	135.6	13.3	94.7
01Jun2015	18:15	73.1	135.2	13.2	92.6
01Jun2015	18:30	72.1	134.8	13.2	90.7
01Jun2015	18:45	71.3	134.4	13.2	88.8
01Jun2015	19:00	70.5	134.1	13.2	87.1
01Jun2015	19:15	69.8	133.8	13.2	85.5
01Jun2015	19:30	69.3	133.4	13.2	83.9
01Jun2015	19:45	68.9	133.1	13.1	82.5
01Jun2015	20:00	68.6	132.9	13.1	81.2
01Jun2015	20:15	68.3	132.6	13.1	80.0
01Jun2015	20:30	68.1	132.4	13.1	78.9
01Jun2015	20:45	67.9	132.2	13.1	77.9
01Jun2015	21:00	67.7	132.0	13.1	77.0
01Jun2015	21:15	67.6	131.8	13.1	76.1
01Jun2015	21:30	67.4	131.6	13.1	75.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	67.3	131.5	13.1	74.6
01Jun2015	22:00	67.1	131.3	13.1	73.9
01Jun2015	22:15	67.0	131.2	13.1	73.3
01Jun2015	22:30	66.9	131.1	13.1	72.7
01Jun2015	22:45	66.7	130.9	13.0	72.2
01Jun2015	23:00	66.6	130.8	13.0	71.7
01Jun2015	23:15	66.4	130.7	13.0	71.2
01Jun2015	23:30	66.2	130.6	13.0	70.7
01Jun2015	23:45	66.1	130.6	13.0	70.3
02Jun2015	00:00	65.8	130.5	13.0	69.9
02Jun2015	00:15	64.8	130.4	13.0	69.5
02Jun2015	00:30	64.0	130.3	13.0	69.1
02Jun2015	00:45	63.0	130.2	13.0	68.6
02Jun2015	01:00	61.9	130.0	13.0	68.0
02Jun2015	01:15	60.7	129.9	13.0	67.4
02Jun2015	01:30	59.4	129.8	13.0	66.8
02Jun2015	01:45	58.3	129.6	13.0	66.1
02Jun2015	02:00	57.4	129.4	13.0	65.3
02Jun2015	02:15	56.7	129.3	13.0	64.6
02Jun2015	02:30	56.1	129.1	13.0	63.9
02Jun2015	02:45	55.7	129.0	13.0	63.2
02Jun2015	03:00	55.5	128.8	13.0	62.5
02Jun2015	03:15	55.3	128.7	12.9	61.9
02Jun2015	03:30	55.1	128.5	12.9	61.3
02Jun2015	03:45	55.0	128.4	12.9	60.8
02Jun2015	04:00	54.9	128.3	12.9	60.3
02Jun2015	04:15	54.9	128.2	12.9	59.8
02Jun2015	04:30	54.8	128.1	12.9	59.4
02Jun2015	04:45	54.8	128.0	12.9	59.0
02Jun2015	05:00	54.7	127.9	12.9	58.6
02Jun2015	05:15	54.7	127.8	12.9	58.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	54.7	127.8	12.9	58.0
02Jun2015	05:45	54.7	127.7	12.9	57.7
02Jun2015	06:00	54.6	127.6	12.9	57.5
02Jun2015	06:15	54.6	127.6	12.9	57.2
02Jun2015	06:30	54.6	127.5	12.9	57.0
02Jun2015	06:45	54.6	127.5	12.9	56.8
02Jun2015	07:00	54.6	127.4	12.9	56.6
02Jun2015	07:15	54.6	127.4	12.9	56.4
02Jun2015	07:30	54.5	127.4	12.9	56.3
02Jun2015	07:45	54.5	127.3	12.9	56.1
02Jun2015	08:00	54.5	127.3	12.9	56.0
02Jun2015	08:15	54.5	127.3	12.9	55.9
02Jun2015	08:30	54.5	127.2	12.9	55.8
02Jun2015	08:45	54.4	127.2	12.9	55.6
02Jun2015	09:00	54.4	127.2	12.9	55.5
02Jun2015	09:15	54.4	127.2	12.9	55.4
02Jun2015	09:30	54.4	127.1	12.9	55.4
02Jun2015	09:45	54.3	127.1	12.9	55.3
02Jun2015	10:00	54.3	127.1	12.9	55.2
02Jun2015	10:15	54.3	127.1	12.9	55.1
02Jun2015	10:30	54.3	127.1	12.9	55.0
02Jun2015	10:45	54.2	127.1	12.9	55.0
02Jun2015	11:00	54.2	127.0	12.9	54.9
02Jun2015	11:15	54.2	127.0	12.9	54.9
02Jun2015	11:30	54.1	127.0	12.9	54.8
02Jun2015	11:45	54.1	127.0	12.9	54.7
02Jun2015	12:00	54.1	127.0	12.9	54.7

Project: hempstead lake
Simulation Run: 006 8-24-15 5 year Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 25Aug2015, 12:15:58 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.7	102.4	5.8	54.4
01Jun2015	00:45	46.7	102.6	5.8	56.8
01Jun2015	01:00	29.8	102.2	5.8	52.7
01Jun2015	01:15	21.3	101.7	5.8	47.0
01Jun2015	01:30	16.7	101.2	5.7	41.3
01Jun2015	01:45	14.3	100.7	5.7	36.2
01Jun2015	02:00	13.0	100.3	5.7	32.0
01Jun2015	02:15	12.5	99.9	5.7	28.5
01Jun2015	02:30	12.5	99.6	5.7	25.6
01Jun2015	02:45	12.7	99.4	5.7	23.4
01Jun2015	03:00	13.2	99.2	5.7	21.6
01Jun2015	03:15	13.8	99.0	5.6	20.3
01Jun2015	03:30	14.5	98.9	5.6	19.3
01Jun2015	03:45	15.3	98.8	5.6	18.6
01Jun2015	04:00	16.1	98.8	5.6	18.2
01Jun2015	04:15	16.7	98.7	5.6	17.9
01Jun2015	04:30	17.5	98.7	5.6	17.8
01Jun2015	04:45	18.7	98.7	5.6	17.8
01Jun2015	05:00	19.6	98.8	5.6	18.0
01Jun2015	05:15	20.3	98.8	5.6	18.3
01Jun2015	05:30	21.1	98.8	5.6	18.7
01Jun2015	05:45	21.8	98.9	5.6	19.1
01Jun2015	06:00	22.5	99.0	5.6	19.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	23.2	99.0	5.6	20.1
01Jun2015	06:30	24.0	99.1	5.6	20.7
01Jun2015	06:45	24.7	99.1	5.6	21.3
01Jun2015	07:00	25.4	99.2	5.7	21.9
01Jun2015	07:15	26.1	99.3	5.7	22.6
01Jun2015	07:30	26.8	99.4	5.7	23.2
01Jun2015	07:45	27.4	99.4	5.7	23.9
01Jun2015	08:00	28.1	99.5	5.7	24.5
01Jun2015	08:15	28.7	99.6	5.7	25.2
01Jun2015	08:30	29.6	99.7	5.7	25.9
01Jun2015	08:45	30.4	99.7	5.7	26.6
01Jun2015	09:00	31.2	99.8	5.7	27.3
01Jun2015	09:15	32.0	99.9	5.7	28.1
01Jun2015	09:30	32.8	100.0	5.7	28.9
01Jun2015	09:45	33.7	100.1	5.7	29.7
01Jun2015	10:00	34.6	100.1	5.7	30.5
01Jun2015	10:15	35.6	100.2	5.7	31.3
01Jun2015	10:30	36.9	100.3	5.7	32.3
01Jun2015	10:45	38.4	100.4	5.7	33.3
01Jun2015	11:00	40.4	100.5	5.7	34.4
01Jun2015	11:15	44.6	100.7	5.7	36.0
01Jun2015	11:30	53.3	100.9	5.7	38.5
01Jun2015	11:45	79.9	101.5	5.8	44.1
01Jun2015	12:00	158.4	102.8	5.8	60.2
01Jun2015	12:15	311.2	106.0	6.0	102.8
01Jun2015	12:30	603.5	112.3	6.2	196.0
01Jun2015	12:45	988.0	122.7	6.6	383.5
01Jun2015	13:00	1194.8	134.6	7.1	642.4
01Jun2015	13:15	1333.6	144.7	7.5	895.4
01Jun2015	13:30	1414.4	152.3	7.8	1104.2
01Jun2015	13:45	1433.1	157.3	8.0	1246.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1408.9	160.1	8.1	1321.6
01Jun2015	14:15	1328.7	160.9	8.2	1342.1
01Jun2015	14:30	1224.1	159.8	8.1	1313.6
01Jun2015	14:45	1078.5	157.2	8.0	1243.7
01Jun2015	15:00	893.8	153.1	7.9	1127.0
01Jun2015	15:15	774.5	148.5	7.7	997.8
01Jun2015	15:30	693.9	144.3	7.5	885.0
01Jun2015	15:45	630.0	140.7	7.4	792.3
01Jun2015	16:00	577.3	137.6	7.2	714.9
01Jun2015	16:15	531.9	134.9	7.1	650.9
01Jun2015	16:30	492.6	132.6	7.0	596.8
01Jun2015	16:45	458.0	130.6	7.0	550.5
01Jun2015	17:00	427.6	128.8	6.9	510.3
01Jun2015	17:15	401.0	127.2	6.8	475.2
01Jun2015	17:30	377.7	125.7	6.8	444.3
01Jun2015	17:45	356.8	124.4	6.7	417.2
01Jun2015	18:00	337.9	123.2	6.7	392.9
01Jun2015	18:15	320.4	122.1	6.6	371.2
01Jun2015	18:30	304.5	121.1	6.6	351.4
01Jun2015	18:45	290.1	120.2	6.5	333.5
01Jun2015	19:00	276.8	119.3	6.5	317.2
01Jun2015	19:15	265.3	118.5	6.5	302.3
01Jun2015	19:30	255.1	117.8	6.4	289.0
01Jun2015	19:45	246.1	117.1	6.4	276.9
01Jun2015	20:00	238.1	116.5	6.4	266.1
01Jun2015	20:15	231.0	115.9	6.4	256.4
01Jun2015	20:30	224.7	115.4	6.4	247.7
01Jun2015	20:45	219.0	115.0	6.3	240.0
01Jun2015	21:00	213.8	114.6	6.3	232.9
01Jun2015	21:15	209.1	114.2	6.3	226.6
01Jun2015	21:30	204.7	113.9	6.3	220.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	200.7	113.5	6.3	215.5
01Jun2015	22:00	196.9	113.2	6.3	210.7
01Jun2015	22:15	193.4	113.0	6.3	206.2
01Jun2015	22:30	190.1	112.7	6.2	202.1
01Jun2015	22:45	186.9	112.5	6.2	198.2
01Jun2015	23:00	183.7	112.2	6.2	194.6
01Jun2015	23:15	180.7	112.0	6.2	191.1
01Jun2015	23:30	177.7	111.8	6.2	187.8
01Jun2015	23:45	174.8	111.6	6.2	184.5
02Jun2015	00:00	171.9	111.4	6.2	181.4
02Jun2015	00:15	167.8	111.2	6.2	178.2
02Jun2015	00:30	163.0	111.0	6.2	174.7
02Jun2015	00:45	156.4	110.7	6.2	170.6
02Jun2015	01:00	148.5	110.4	6.1	165.7
02Jun2015	01:15	139.9	110.0	6.1	159.9
02Jun2015	01:30	130.9	109.6	6.1	153.4
02Jun2015	01:45	122.1	109.1	6.1	146.4
02Jun2015	02:00	113.5	108.6	6.1	139.0
02Jun2015	02:15	105.5	108.0	6.1	131.5
02Jun2015	02:30	98.1	107.5	6.0	124.1
02Jun2015	02:45	91.5	107.0	6.0	116.9
02Jun2015	03:00	85.8	106.5	6.0	109.6
02Jun2015	03:15	80.9	106.0	6.0	102.6
02Jun2015	03:30	76.8	105.6	5.9	96.4
02Jun2015	03:45	73.5	105.2	5.9	91.0
02Jun2015	04:00	70.8	104.8	5.9	86.2
02Jun2015	04:15	68.6	104.5	5.9	82.1
02Jun2015	04:30	66.8	104.3	5.9	78.6
02Jun2015	04:45	65.3	104.0	5.9	75.6
02Jun2015	05:00	64.1	103.8	5.9	73.0
02Jun2015	05:15	63.0	103.7	5.9	70.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	62.1	103.5	5.9	68.8
02Jun2015	05:45	61.3	103.4	5.8	67.2
02Jun2015	06:00	60.7	103.3	5.8	65.7
02Jun2015	06:15	60.1	103.2	5.8	64.5
02Jun2015	06:30	59.6	103.1	5.8	63.4
02Jun2015	06:45	59.1	103.0	5.8	62.5
02Jun2015	07:00	58.7	103.0	5.8	61.7
02Jun2015	07:15	58.3	102.9	5.8	61.0
02Jun2015	07:30	58.0	102.8	5.8	60.3
02Jun2015	07:45	57.7	102.8	5.8	59.8
02Jun2015	08:00	57.4	102.8	5.8	59.3
02Jun2015	08:15	57.2	102.7	5.8	58.8
02Jun2015	08:30	57.0	102.7	5.8	58.4
02Jun2015	08:45	56.8	102.7	5.8	58.1
02Jun2015	09:00	56.6	102.6	5.8	57.8
02Jun2015	09:15	56.4	102.6	5.8	57.5
02Jun2015	09:30	56.2	102.6	5.8	57.2
02Jun2015	09:45	56.1	102.6	5.8	57.0
02Jun2015	10:00	56.0	102.6	5.8	56.8
02Jun2015	10:15	55.8	102.5	5.8	56.6
02Jun2015	10:30	55.7	102.5	5.8	56.4
02Jun2015	10:45	55.6	102.5	5.8	56.2
02Jun2015	11:00	55.5	102.5	5.8	56.1
02Jun2015	11:15	55.4	102.5	5.8	56.0
02Jun2015	11:30	55.3	102.5	5.8	55.8
02Jun2015	11:45	55.2	102.5	5.8	55.7
02Jun2015	12:00	55.2	102.5	5.8	55.6

Project: hempstead lake
Simulation Run: 004 8-24-15 25 year Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 25Aug2015, 12:01:24 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.2	0.1
01Jun2015	08:45	1.0	0.5
01Jun2015	09:00	3.4	2.1
01Jun2015	09:15	8.8	5.9
01Jun2015	09:30	18.3	13.3
01Jun2015	09:45	31.5	24.6
01Jun2015	10:00	48.3	39.5
01Jun2015	10:15	68.5	57.9
01Jun2015	10:30	92.8	80.0
01Jun2015	10:45	122.1	106.5
01Jun2015	11:00	157.8	138.7
01Jun2015	11:15	202.0	178.1
01Jun2015	11:30	262.1	229.8
01Jun2015	11:45	378.0	321.2
01Jun2015	12:00	746.7	589.2
01Jun2015	12:15	1620.7	1310.1
01Jun2015	12:30	2619.4	2296.3
01Jun2015	12:45	3051.1	2901.1
01Jun2015	13:00	2812.1	2865.7
01Jun2015	13:15	2273.9	2433.5
01Jun2015	13:30	1750.3	1921.6
01Jun2015	13:45	1356.1	1495.1

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	1082.8	1185.1
01Jun2015	14:15	897.5	970.3
01Jun2015	14:30	768.2	820.9
01Jun2015	14:45	675.5	714.5
01Jun2015	15:00	607.0	636.5
01Jun2015	15:15	553.8	577.3
01Jun2015	15:30	509.8	529.6
01Jun2015	15:45	471.0	488.8
01Jun2015	16:00	435.3	451.9
01Jun2015	16:15	401.4	417.5
01Jun2015	16:30	370.0	385.3
01Jun2015	16:45	342.2	356.0
01Jun2015	17:00	318.5	330.5
01Jun2015	17:15	298.3	308.7
01Jun2015	17:30	280.7	289.9
01Jun2015	17:45	264.7	273.2
01Jun2015	18:00	249.5	257.7
01Jun2015	18:15	234.4	242.6
01Jun2015	18:30	220.2	228.1
01Jun2015	18:45	208.3	215.0
01Jun2015	19:00	199.2	204.3
01Jun2015	19:15	192.0	196.0
01Jun2015	19:30	185.8	189.2
01Jun2015	19:45	180.2	183.3
01Jun2015	20:00	175.3	178.0
01Jun2015	20:15	170.9	173.3
01Jun2015	20:30	166.9	169.1
01Jun2015	20:45	162.8	165.1
01Jun2015	21:00	158.4	160.8
01Jun2015	21:15	154.2	156.5
01Jun2015	21:30	150.4	152.5

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	147.2	149.0
01Jun2015	22:00	144.4	145.9
01Jun2015	22:15	141.6	143.1
01Jun2015	22:30	138.4	140.1
01Jun2015	22:45	135.0	136.8
01Jun2015	23:00	131.3	133.3
01Jun2015	23:15	127.6	129.6
01Jun2015	23:30	124.2	126.1
01Jun2015	23:45	121.0	122.7
02Jun2015	00:00	118.0	119.6
02Jun2015	00:15	110.7	114.5
02Jun2015	00:30	93.1	102.2
02Jun2015	00:45	68.3	81.3
02Jun2015	01:00	44.1	57.0
02Jun2015	01:15	26.1	35.8
02Jun2015	01:30	14.6	20.9
02Jun2015	01:45	8.0	11.8
02Jun2015	02:00	4.3	6.5
02Jun2015	02:15	2.3	3.5
02Jun2015	02:30	1.2	1.8
02Jun2015	02:45	0.5	0.9
02Jun2015	03:00	0.2	0.4
02Jun2015	03:15	0.1	0.2
02Jun2015	03:30	0.0	0.1
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 004 8-24-15 25 year Reservoir: Northwest Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 25Aug2015, 12:01:24 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	24.4	22.0	230.4
01Jun2015	00:15	0.0	20.6	21.4	143.8
01Jun2015	00:30	0.0	18.2	21.1	95.6
01Jun2015	00:45	0.0	16.5	20.8	66.7
01Jun2015	01:00	0.2	15.3	20.6	48.3
01Jun2015	01:15	0.5	14.5	20.5	36.2
01Jun2015	01:30	0.8	13.8	20.4	27.8
01Jun2015	01:45	1.0	13.3	20.4	22.0
01Jun2015	02:00	1.2	12.9	20.3	17.7
01Jun2015	02:15	1.4	12.6	20.2	14.5
01Jun2015	02:30	1.6	12.4	20.2	12.1
01Jun2015	02:45	1.7	12.2	20.2	10.3
01Jun2015	03:00	1.9	12.0	20.2	8.9
01Jun2015	03:15	2.1	11.9	20.1	7.8
01Jun2015	03:30	2.3	11.8	20.1	7.0
01Jun2015	03:45	2.4	11.7	20.1	6.3
01Jun2015	04:00	2.6	11.6	20.1	5.7
01Jun2015	04:15	2.8	11.6	20.1	5.3
01Jun2015	04:30	2.9	11.5	20.1	5.0
01Jun2015	04:45	3.1	11.5	20.1	4.7
01Jun2015	05:00	3.2	11.5	20.1	4.5
01Jun2015	05:15	3.5	11.4	20.1	4.4
01Jun2015	05:30	3.6	11.4	20.1	4.3
01Jun2015	05:45	3.7	11.4	20.1	4.2
01Jun2015	06:00	3.9	11.4	20.1	4.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	4.1	11.4	20.1	4.1
01Jun2015	06:30	4.4	11.4	20.1	4.1
01Jun2015	06:45	4.8	11.4	20.1	4.2
01Jun2015	07:00	5.2	11.4	20.1	4.3
01Jun2015	07:15	5.5	11.5	20.1	4.4
01Jun2015	07:30	5.9	11.5	20.1	4.6
01Jun2015	07:45	6.3	11.5	20.1	4.8
01Jun2015	08:00	6.8	11.5	20.1	5.0
01Jun2015	08:15	7.2	11.6	20.1	5.3
01Jun2015	08:30	8.1	11.6	20.1	5.6
01Jun2015	08:45	9.2	11.7	20.1	6.1
01Jun2015	09:00	10.8	11.8	20.1	6.6
01Jun2015	09:15	13.0	11.9	20.1	7.4
01Jun2015	09:30	16.2	12.0	20.2	8.6
01Jun2015	09:45	20.4	12.2	20.2	10.1
01Jun2015	10:00	25.4	12.4	20.2	12.3
01Jun2015	10:15	31.7	12.7	20.3	15.3
01Jun2015	10:30	39.8	13.1	20.3	19.4
01Jun2015	10:45	49.7	13.6	20.4	24.7
01Jun2015	11:00	61.9	14.1	20.5	31.8
01Jun2015	11:15	78.6	14.8	20.6	41.1
01Jun2015	11:30	103.3	15.7	20.7	54.2
01Jun2015	11:45	168.5	17.2	20.9	77.7
01Jun2015	12:00	370.7	20.5	21.4	140.7
01Jun2015	12:15	678.1	26.9	22.2	259.3
01Jun2015	12:30	950.7	37.0	22.9	386.2
01Jun2015	12:45	1117.5	48.7	23.7	550.8
01Jun2015	13:00	1172.8	59.4	24.2	680.0
01Jun2015	13:15	1889.0	75.4	24.9	834.3
01Jun2015	13:30	2367.5	99.5	25.8	1085.9
01Jun2015	13:45	2065.4	120.5	26.6	1301.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1673.8	131.1	27.0	1412.3
01Jun2015	14:15	1354.1	133.0	27.0	1432.4
01Jun2015	14:30	1129.4	129.4	26.9	1394.8
01Jun2015	14:45	966.8	123.0	26.7	1327.3
01Jun2015	15:00	848.6	115.1	26.4	1247.0
01Jun2015	15:15	760.3	106.9	26.1	1164.0
01Jun2015	15:30	697.8	98.8	25.8	1078.4
01Jun2015	15:45	665.9	91.4	25.5	999.4
01Jun2015	16:00	646.2	85.0	25.3	932.5
01Jun2015	16:15	627.1	79.5	25.0	875.9
01Jun2015	16:30	607.6	74.7	24.8	827.4
01Jun2015	16:45	588.2	70.4	24.7	785.0
01Jun2015	17:00	569.2	66.5	24.5	747.5
01Jun2015	17:15	550.6	63.0	24.4	713.8
01Jun2015	17:30	532.4	59.8	24.2	683.3
01Jun2015	17:45	514.5	56.8	24.1	655.4
01Jun2015	18:00	496.6	54.0	24.0	629.5
01Jun2015	18:15	478.9	51.4	23.8	592.3
01Jun2015	18:30	461.9	49.3	23.7	559.4
01Jun2015	18:45	445.8	47.4	23.6	531.4
01Jun2015	19:00	430.7	45.7	23.5	507.0
01Jun2015	19:15	416.3	44.2	23.4	485.4
01Jun2015	19:30	401.5	42.8	23.3	465.8
01Jun2015	19:45	387.0	41.6	23.2	447.8
01Jun2015	20:00	373.3	40.3	23.1	430.8
01Jun2015	20:15	360.4	39.2	23.0	414.9
01Jun2015	20:30	348.2	38.1	22.9	400.0
01Jun2015	20:45	336.5	37.0	22.9	386.2
01Jun2015	21:00	325.4	36.0	22.8	372.9
01Jun2015	21:15	315.0	35.1	22.7	360.3
01Jun2015	21:30	305.2	34.2	22.7	348.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	296.0	33.3	22.6	337.3
01Jun2015	22:00	287.4	32.5	22.6	326.7
01Jun2015	22:15	279.1	31.7	22.5	316.7
01Jun2015	22:30	271.2	30.9	22.4	307.3
01Jun2015	22:45	263.5	30.2	22.4	298.3
01Jun2015	23:00	256.0	29.5	22.3	289.6
01Jun2015	23:15	249.0	28.8	22.3	281.4
01Jun2015	23:30	242.1	28.1	22.3	273.5
01Jun2015	23:45	235.1	27.5	22.2	265.9
02Jun2015	00:00	228.1	26.8	22.2	258.5
02Jun2015	00:15	218.1	26.2	22.1	250.9
02Jun2015	00:30	206.0	25.5	22.1	242.7
02Jun2015	00:45	192.1	24.7	22.0	233.5
02Jun2015	01:00	178.7	23.8	21.9	217.0
02Jun2015	01:15	166.6	23.1	21.8	199.7
02Jun2015	01:30	156.0	22.5	21.7	184.9
02Jun2015	01:45	146.5	21.9	21.6	172.2
02Jun2015	02:00	137.9	21.4	21.6	161.0
02Jun2015	02:15	130.0	20.9	21.5	151.1
02Jun2015	02:30	122.8	20.5	21.4	142.3
02Jun2015	02:45	116.2	20.1	21.4	134.2
02Jun2015	03:00	110.1	19.8	21.3	126.9
02Jun2015	03:15	104.5	19.4	21.3	120.2
02Jun2015	03:30	99.3	19.1	21.2	114.0
02Jun2015	03:45	94.4	18.8	21.2	108.3
02Jun2015	04:00	89.9	18.6	21.1	103.0
02Jun2015	04:15	85.7	18.3	21.1	98.0
02Jun2015	04:30	81.4	18.0	21.1	93.4
02Jun2015	04:45	77.3	17.8	21.0	89.0
02Jun2015	05:00	73.5	17.6	21.0	84.7
02Jun2015	05:15	70.0	17.3	20.9	80.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	66.7	17.1	20.9	77.0
02Jun2015	05:45	63.6	16.9	20.9	73.4
02Jun2015	06:00	60.7	16.7	20.9	70.1
02Jun2015	06:15	58.0	16.5	20.8	67.0
02Jun2015	06:30	55.5	16.3	20.8	64.0
02Jun2015	06:45	53.1	16.2	20.8	61.3
02Jun2015	07:00	50.9	16.0	20.7	58.6
02Jun2015	07:15	48.7	15.9	20.7	56.2
02Jun2015	07:30	46.7	15.7	20.7	53.9
02Jun2015	07:45	44.8	15.6	20.7	51.7
02Jun2015	08:00	43.1	15.4	20.7	49.6
02Jun2015	08:15	41.4	15.3	20.6	47.6
02Jun2015	08:30	39.7	15.2	20.6	45.8
02Jun2015	08:45	38.2	15.0	20.6	44.0
02Jun2015	09:00	36.8	14.9	20.6	42.3
02Jun2015	09:15	35.4	14.8	20.6	40.8
02Jun2015	09:30	34.1	14.7	20.6	39.2
02Jun2015	09:45	32.8	14.6	20.5	37.8
02Jun2015	10:00	31.7	14.5	20.5	36.4
02Jun2015	10:15	30.5	14.4	20.5	35.1
02Jun2015	10:30	29.5	14.3	20.5	33.9
02Jun2015	10:45	28.4	14.2	20.5	32.7
02Jun2015	11:00	27.4	14.1	20.5	31.6
02Jun2015	11:15	26.5	14.0	20.5	30.5
02Jun2015	11:30	25.6	14.0	20.4	29.5
02Jun2015	11:45	24.8	13.9	20.4	28.5
02Jun2015	12:00	24.0	13.8	20.4	27.6

Project: hempstead lake
Simulation Run: 004 8-24-15 25 year Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 25Aug2015, 12:01:24 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	90.3	654.2	22.0	29.3
01Jun2015	00:15	182.7	656.4	22.0	29.5
01Jun2015	00:30	153.4	659.3	22.0	29.7
01Jun2015	00:45	100.4	661.3	22.1	29.9
01Jun2015	01:00	69.8	662.4	22.1	30.0
01Jun2015	01:15	51.1	663.1	22.1	30.1
01Jun2015	01:30	39.1	663.4	22.1	30.1
01Jun2015	01:45	30.9	663.5	22.1	30.1
01Jun2015	02:00	25.3	663.4	22.1	30.1
01Jun2015	02:15	21.4	663.3	22.1	30.1
01Jun2015	02:30	18.6	663.1	22.1	30.1
01Jun2015	02:45	16.7	662.8	22.1	30.1
01Jun2015	03:00	15.3	662.5	22.1	30.0
01Jun2015	03:15	14.3	662.2	22.1	30.0
01Jun2015	03:30	13.6	661.9	22.1	30.0
01Jun2015	03:45	13.1	661.5	22.1	30.0
01Jun2015	04:00	12.9	661.2	22.1	29.9
01Jun2015	04:15	12.7	660.8	22.1	29.9
01Jun2015	04:30	12.6	660.5	22.1	29.9
01Jun2015	04:45	12.6	660.1	22.0	29.8
01Jun2015	05:00	12.5	659.8	22.0	29.8
01Jun2015	05:15	12.9	659.4	22.0	29.8
01Jun2015	05:30	13.0	659.1	22.0	29.7
01Jun2015	05:45	13.3	658.7	22.0	29.7
01Jun2015	06:00	13.6	658.4	22.0	29.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	14.1	658.1	22.0	29.6
01Jun2015	06:30	14.8	657.8	22.0	29.6
01Jun2015	06:45	15.8	657.5	22.0	29.6
01Jun2015	07:00	16.8	657.2	22.0	29.5
01Jun2015	07:15	17.7	656.9	22.0	29.5
01Jun2015	07:30	18.8	656.7	22.0	29.5
01Jun2015	07:45	19.8	656.5	22.0	29.5
01Jun2015	08:00	21.1	656.3	22.0	29.5
01Jun2015	08:15	22.5	656.1	22.0	29.5
01Jun2015	08:30	24.7	656.0	22.0	29.4
01Jun2015	08:45	27.1	655.9	22.0	29.4
01Jun2015	09:00	29.7	655.9	22.0	29.4
01Jun2015	09:15	32.1	656.0	22.0	29.4
01Jun2015	09:30	34.7	656.0	22.0	29.4
01Jun2015	09:45	37.8	656.2	22.0	29.5
01Jun2015	10:00	41.5	656.4	22.0	29.5
01Jun2015	10:15	46.5	656.7	22.0	29.5
01Jun2015	10:30	53.4	657.1	22.0	29.5
01Jun2015	10:45	61.6	657.7	22.0	29.6
01Jun2015	11:00	71.2	658.4	22.0	29.7
01Jun2015	11:15	86.8	659.5	22.0	29.8
01Jun2015	11:30	110.6	660.9	22.1	29.9
01Jun2015	11:45	192.7	663.4	22.1	30.1
01Jun2015	12:00	424.4	669.1	22.1	30.7
01Jun2015	12:15	568.4	678.8	22.2	31.5
01Jun2015	12:30	546.2	689.6	22.3	32.5
01Jun2015	12:45	596.0	700.7	22.4	33.4
01Jun2015	13:00	706.4	713.5	22.5	34.4
01Jun2015	13:15	818.6	728.5	22.6	35.6
01Jun2015	13:30	971.6	746.3	22.8	37.0
01Jun2015	13:45	1173.3	767.6	23.0	38.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1359.3	793.0	23.2	40.3
01Jun2015	14:15	1488.6	821.6	23.4	42.3
01Jun2015	14:30	1483.5	851.4	23.7	44.2
01Jun2015	14:45	1415.2	880.4	23.9	46.0
01Jun2015	15:00	1351.4	908.0	24.1	47.6
01Jun2015	15:15	1344.7	934.8	24.3	49.0
01Jun2015	15:30	1217.8	960.3	24.6	50.4
01Jun2015	15:45	1135.5	983.5	24.7	51.6
01Jun2015	16:00	1052.7	1005.1	24.9	52.7
01Jun2015	16:15	980.8	1025.0	25.1	53.7
01Jun2015	16:30	885.5	1043.1	25.2	54.5
01Jun2015	16:45	841.8	1059.9	25.3	55.3
01Jun2015	17:00	795.3	1075.6	25.5	56.1
01Jun2015	17:15	793.2	1090.9	25.6	56.8
01Jun2015	17:30	721.6	1105.3	25.7	57.5
01Jun2015	17:45	719.4	1119.0	25.8	58.1
01Jun2015	18:00	697.4	1132.4	25.9	58.7
01Jun2015	18:15	635.8	1145.0	26.0	59.3
01Jun2015	18:30	627.2	1156.8	26.1	59.8
01Jun2015	18:45	582.0	1168.1	26.2	60.2
01Jun2015	19:00	554.3	1178.6	26.3	60.7
01Jun2015	19:15	529.0	1188.5	26.4	61.1
01Jun2015	19:30	507.0	1197.9	26.4	61.5
01Jun2015	19:45	486.7	1206.9	26.5	61.8
01Jun2015	20:00	467.8	1215.5	26.6	62.2
01Jun2015	20:15	450.3	1223.7	26.6	62.5
01Jun2015	20:30	432.2	1231.5	26.7	62.8
01Jun2015	20:45	423.8	1239.1	26.7	63.1
01Jun2015	21:00	406.1	1246.3	26.8	63.4
01Jun2015	21:15	388.1	1253.2	26.9	63.7
01Jun2015	21:30	386.8	1259.9	26.9	64.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	366.6	1266.4	27.0	64.2
01Jun2015	22:00	358.6	1272.5	27.0	64.5
01Jun2015	22:15	339.3	1278.4	27.1	64.7
01Jun2015	22:30	331.2	1284.0	27.1	64.9
01Jun2015	22:45	315.8	1289.3	27.1	65.1
01Jun2015	23:00	313.9	1294.5	27.2	65.3
01Jun2015	23:15	297.9	1299.5	27.2	65.5
01Jun2015	23:30	295.1	1304.2	27.2	65.7
01Jun2015	23:45	287.1	1308.9	27.3	65.9
02Jun2015	00:00	273.1	1313.3	27.3	66.0
02Jun2015	00:15	257.6	1317.4	27.3	66.2
02Jun2015	00:30	250.0	1321.3	27.4	66.3
02Jun2015	00:45	245.1	1325.0	27.4	66.5
02Jun2015	01:00	231.2	1328.6	27.4	66.6
02Jun2015	01:15	217.4	1331.8	27.5	66.7
02Jun2015	01:30	201.7	1334.8	27.5	66.8
02Jun2015	01:45	186.4	1337.4	27.5	66.9
02Jun2015	02:00	173.4	1339.8	27.5	67.0
02Jun2015	02:15	162.0	1341.8	27.5	67.1
02Jun2015	02:30	150.6	1343.7	27.6	67.2
02Jun2015	02:45	141.4	1345.3	27.6	67.2
02Jun2015	03:00	133.4	1346.8	27.6	67.3
02Jun2015	03:15	124.3	1348.0	27.6	67.3
02Jun2015	03:30	116.6	1349.1	27.6	67.4
02Jun2015	03:45	112.1	1350.1	27.6	67.4
02Jun2015	04:00	104.9	1350.9	27.6	67.5
02Jun2015	04:15	101.8	1351.7	27.6	67.5
02Jun2015	04:30	95.2	1352.3	27.6	67.5
02Jun2015	04:45	92.1	1352.9	27.6	67.5
02Jun2015	05:00	86.6	1353.3	27.6	67.5
02Jun2015	05:15	83.4	1353.7	27.6	67.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	79.3	1354.0	27.6	67.6
02Jun2015	05:45	76.9	1354.2	27.6	67.6
02Jun2015	06:00	71.0	1354.3	27.6	67.6
02Jun2015	06:15	69.9	1354.4	27.6	67.6
02Jun2015	06:30	64.9	1354.4	27.6	67.6
02Jun2015	06:45	63.7	1354.3	27.6	67.6
02Jun2015	07:00	62.2	1354.2	27.6	67.6
02Jun2015	07:15	57.5	1354.0	27.6	67.6
02Jun2015	07:30	53.9	1353.8	27.6	67.6
02Jun2015	07:45	52.3	1353.5	27.6	67.6
02Jun2015	08:00	49.7	1353.1	27.6	67.5
02Jun2015	08:15	48.2	1352.8	27.6	67.5
02Jun2015	08:30	45.9	1352.3	27.6	67.5
02Jun2015	08:45	44.5	1351.9	27.6	67.5
02Jun2015	09:00	42.5	1351.4	27.6	67.5
02Jun2015	09:15	41.2	1350.9	27.6	67.5
02Jun2015	09:30	39.4	1350.3	27.6	67.4
02Jun2015	09:45	38.2	1349.7	27.6	67.4
02Jun2015	10:00	36.6	1349.1	27.6	67.4
02Jun2015	10:15	35.5	1348.4	27.6	67.4
02Jun2015	10:30	34.0	1347.8	27.6	67.3
02Jun2015	10:45	33.0	1347.1	27.6	67.3
02Jun2015	11:00	31.7	1346.3	27.6	67.3
02Jun2015	11:15	30.8	1345.6	27.6	67.3
02Jun2015	11:30	29.6	1344.8	27.6	67.2
02Jun2015	11:45	28.8	1344.0	27.6	67.2
02Jun2015	12:00	27.7	1343.2	27.5	67.2

Project: hempstead lake
Simulation Run: 004 8-24-15 25 year Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 25Aug2015, 12:01:24 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	29.3	107.5	12.0	0.0
01Jun2015	00:15	29.4	108.1	12.0	0.3
01Jun2015	00:30	29.7	108.7	12.1	0.8
01Jun2015	00:45	29.9	109.3	12.1	1.5
01Jun2015	01:00	30.1	109.8	12.1	2.3
01Jun2015	01:15	30.4	110.4	12.1	3.2
01Jun2015	01:30	30.5	111.0	12.2	4.1
01Jun2015	01:45	30.7	111.5	12.2	5.1
01Jun2015	02:00	30.8	112.0	12.2	6.2
01Jun2015	02:15	30.9	112.5	12.2	7.2
01Jun2015	02:30	31.0	113.0	12.2	8.2
01Jun2015	02:45	31.1	113.4	12.3	9.3
01Jun2015	03:00	31.2	113.9	12.3	10.3
01Jun2015	03:15	31.2	114.3	12.3	11.4
01Jun2015	03:30	31.3	114.7	12.3	12.4
01Jun2015	03:45	31.4	115.1	12.3	13.4
01Jun2015	04:00	31.5	115.5	12.4	14.3
01Jun2015	04:15	31.5	115.8	12.4	15.3
01Jun2015	04:30	31.6	116.1	12.4	16.2
01Jun2015	04:45	31.7	116.4	12.4	17.1
01Jun2015	05:00	31.7	116.7	12.4	17.9
01Jun2015	05:15	31.9	117.0	12.4	18.7
01Jun2015	05:30	31.9	117.3	12.4	19.5
01Jun2015	05:45	32.0	117.5	12.4	20.2
01Jun2015	06:00	32.1	117.8	12.5	21.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	32.2	118.0	12.5	21.6
01Jun2015	06:30	32.4	118.2	12.5	22.3
01Jun2015	06:45	32.6	118.4	12.5	22.9
01Jun2015	07:00	32.9	118.6	12.5	23.6
01Jun2015	07:15	33.1	118.8	12.5	24.2
01Jun2015	07:30	33.3	119.0	12.5	24.7
01Jun2015	07:45	33.6	119.1	12.5	25.3
01Jun2015	08:00	33.9	119.3	12.5	25.9
01Jun2015	08:15	34.3	119.5	12.5	26.4
01Jun2015	08:30	34.8	119.6	12.5	26.9
01Jun2015	08:45	35.4	119.8	12.5	27.5
01Jun2015	09:00	36.1	120.0	12.6	28.0
01Jun2015	09:15	36.7	120.1	12.6	28.6
01Jun2015	09:30	37.5	120.3	12.6	29.2
01Jun2015	09:45	38.5	120.5	12.6	29.8
01Jun2015	10:00	39.6	120.7	12.6	30.4
01Jun2015	10:15	41.2	120.9	12.6	31.1
01Jun2015	10:30	43.5	121.1	12.6	31.9
01Jun2015	10:45	46.4	121.3	12.6	32.8
01Jun2015	11:00	50.0	121.7	12.6	33.9
01Jun2015	11:15	55.5	122.0	12.6	35.2
01Jun2015	11:30	63.7	122.5	12.7	37.0
01Jun2015	11:45	87.3	123.3	12.7	39.9
01Jun2015	12:00	154.9	124.9	12.8	46.1
01Jun2015	12:15	238.2	127.9	12.9	58.4
01Jun2015	12:30	300.4	132.0	13.1	77.2
01Jun2015	12:45	361.4	137.0	13.3	101.9
01Jun2015	13:00	391.9	142.4	13.6	130.9
01Jun2015	13:15	376.7	147.3	13.8	159.6
01Jun2015	13:30	336.0	151.2	13.9	183.1
01Jun2015	13:45	289.2	153.7	14.1	198.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	247.9	155.0	14.1	206.4
01Jun2015	14:15	215.5	155.5	14.1	209.4
01Jun2015	14:30	187.2	155.4	14.1	208.4
01Jun2015	14:45	165.4	154.8	14.1	204.7
01Jun2015	15:00	151.1	153.8	14.1	199.4
01Jun2015	15:15	141.5	152.8	14.0	193.3
01Jun2015	15:30	134.4	151.7	14.0	186.7
01Jun2015	15:45	128.8	150.7	13.9	180.0
01Jun2015	16:00	124.0	149.6	13.9	173.6
01Jun2015	16:15	119.8	148.6	13.8	167.4
01Jun2015	16:30	115.9	147.7	13.8	161.6
01Jun2015	16:45	112.5	146.7	13.7	156.0
01Jun2015	17:00	109.3	145.9	13.7	150.8
01Jun2015	17:15	106.5	145.0	13.7	145.9
01Jun2015	17:30	104.1	144.2	13.6	141.3
01Jun2015	17:45	101.9	143.5	13.6	137.1
01Jun2015	18:00	99.9	142.8	13.6	133.0
01Jun2015	18:15	98.1	142.1	13.5	129.3
01Jun2015	18:30	96.5	141.5	13.5	125.8
01Jun2015	18:45	95.1	140.9	13.5	122.6
01Jun2015	19:00	93.8	140.4	13.5	119.6
01Jun2015	19:15	92.7	139.8	13.4	116.8
01Jun2015	19:30	91.7	139.4	13.4	114.2
01Jun2015	19:45	91.0	138.9	13.4	111.8
01Jun2015	20:00	90.3	138.5	13.4	109.6
01Jun2015	20:15	89.9	138.1	13.4	107.6
01Jun2015	20:30	89.4	137.8	13.3	105.7
01Jun2015	20:45	89.0	137.4	13.3	104.0
01Jun2015	21:00	88.6	137.1	13.3	102.5
01Jun2015	21:15	88.3	136.9	13.3	101.1
01Jun2015	21:30	87.9	136.6	13.3	99.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	87.6	136.4	13.3	98.5
01Jun2015	22:00	87.4	136.2	13.3	97.4
01Jun2015	22:15	87.1	136.0	13.3	96.4
01Jun2015	22:30	86.8	135.8	13.3	95.5
01Jun2015	22:45	86.5	135.6	13.3	94.6
01Jun2015	23:00	86.2	135.4	13.2	93.8
01Jun2015	23:15	85.9	135.3	13.2	93.0
01Jun2015	23:30	85.6	135.1	13.2	92.3
01Jun2015	23:45	85.3	135.0	13.2	91.6
02Jun2015	00:00	84.9	134.9	13.2	91.0
02Jun2015	00:15	83.4	134.7	13.2	90.3
02Jun2015	00:30	82.0	134.6	13.2	89.6
02Jun2015	00:45	80.3	134.4	13.2	88.8
02Jun2015	01:00	78.4	134.2	13.2	87.8
02Jun2015	01:15	76.3	134.0	13.2	86.8
02Jun2015	01:30	74.3	133.8	13.2	85.7
02Jun2015	01:45	72.7	133.6	13.2	84.6
02Jun2015	02:00	71.3	133.3	13.2	83.4
02Jun2015	02:15	70.4	133.1	13.1	82.2
02Jun2015	02:30	69.6	132.8	13.1	81.0
02Jun2015	02:45	69.1	132.6	13.1	79.9
02Jun2015	03:00	68.8	132.4	13.1	78.9
02Jun2015	03:15	68.5	132.2	13.1	77.9
02Jun2015	03:30	68.4	132.0	13.1	77.1
02Jun2015	03:45	68.2	131.8	13.1	76.3
02Jun2015	04:00	68.1	131.7	13.1	75.5
02Jun2015	04:15	68.0	131.5	13.1	74.8
02Jun2015	04:30	68.0	131.4	13.1	74.2
02Jun2015	04:45	67.9	131.3	13.1	73.6
02Jun2015	05:00	67.9	131.2	13.1	73.1
02Jun2015	05:15	67.8	131.1	13.0	72.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	67.8	131.0	13.0	72.2
02Jun2015	05:45	67.8	130.9	13.0	71.8
02Jun2015	06:00	67.8	130.8	13.0	71.4
02Jun2015	06:15	67.8	130.7	13.0	71.1
02Jun2015	06:30	67.7	130.7	13.0	70.8
02Jun2015	06:45	67.7	130.6	13.0	70.5
02Jun2015	07:00	67.7	130.5	13.0	70.3
02Jun2015	07:15	67.7	130.5	13.0	70.0
02Jun2015	07:30	67.7	130.4	13.0	69.8
02Jun2015	07:45	67.6	130.4	13.0	69.6
02Jun2015	08:00	67.6	130.4	13.0	69.4
02Jun2015	08:15	67.6	130.3	13.0	69.3
02Jun2015	08:30	67.6	130.3	13.0	69.1
02Jun2015	08:45	67.6	130.3	13.0	69.0
02Jun2015	09:00	67.5	130.2	13.0	68.9
02Jun2015	09:15	67.5	130.2	13.0	68.7
02Jun2015	09:30	67.5	130.2	13.0	68.6
02Jun2015	09:45	67.5	130.2	13.0	68.5
02Jun2015	10:00	67.4	130.1	13.0	68.4
02Jun2015	10:15	67.4	130.1	13.0	68.3
02Jun2015	10:30	67.4	130.1	13.0	68.3
02Jun2015	10:45	67.4	130.1	13.0	68.2
02Jun2015	11:00	67.3	130.1	13.0	68.1
02Jun2015	11:15	67.3	130.0	13.0	68.0
02Jun2015	11:30	67.3	130.0	13.0	68.0
02Jun2015	11:45	67.2	130.0	13.0	67.9
02Jun2015	12:00	67.2	130.0	13.0	67.8

Project: hempstead lake
Simulation Run: 004 8-24-15 25 year Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 25Aug2015, 12:01:24 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.7	102.4	5.8	54.4
01Jun2015	00:45	46.7	102.6	5.8	56.8
01Jun2015	01:00	30.0	102.2	5.8	52.8
01Jun2015	01:15	21.6	101.7	5.8	47.1
01Jun2015	01:30	17.1	101.2	5.7	41.4
01Jun2015	01:45	14.7	100.7	5.7	36.4
01Jun2015	02:00	13.5	100.3	5.7	32.2
01Jun2015	02:15	13.0	100.0	5.7	28.7
01Jun2015	02:30	13.0	99.7	5.7	25.9
01Jun2015	02:45	13.3	99.4	5.7	23.7
01Jun2015	03:00	13.8	99.2	5.7	22.0
01Jun2015	03:15	14.4	99.1	5.6	20.7
01Jun2015	03:30	15.3	99.0	5.6	19.8
01Jun2015	03:45	16.1	98.9	5.6	19.1
01Jun2015	04:00	16.9	98.8	5.6	18.7
01Jun2015	04:15	17.5	98.8	5.6	18.5
01Jun2015	04:30	18.4	98.8	5.6	18.4
01Jun2015	04:45	19.7	98.8	5.6	18.5
01Jun2015	05:00	20.6	98.8	5.6	18.8
01Jun2015	05:15	21.4	98.9	5.6	19.1
01Jun2015	05:30	22.2	98.9	5.6	19.5
01Jun2015	05:45	22.9	99.0	5.6	20.0
01Jun2015	06:00	23.7	99.1	5.6	20.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	24.4	99.1	5.6	21.1
01Jun2015	06:30	25.3	99.2	5.7	21.7
01Jun2015	06:45	26.1	99.3	5.7	22.4
01Jun2015	07:00	26.9	99.4	5.7	23.1
01Jun2015	07:15	27.7	99.4	5.7	23.8
01Jun2015	07:30	28.5	99.5	5.7	24.5
01Jun2015	07:45	29.2	99.6	5.7	25.3
01Jun2015	08:00	30.0	99.7	5.7	26.0
01Jun2015	08:15	30.8	99.8	5.7	26.8
01Jun2015	08:30	31.8	99.8	5.7	27.6
01Jun2015	08:45	32.9	99.9	5.7	28.5
01Jun2015	09:00	34.0	100.0	5.7	29.4
01Jun2015	09:15	35.0	100.1	5.7	30.3
01Jun2015	09:30	36.2	100.2	5.7	31.3
01Jun2015	09:45	37.8	100.3	5.7	32.3
01Jun2015	10:00	40.1	100.5	5.7	33.6
01Jun2015	10:15	44.5	100.6	5.7	35.2
01Jun2015	10:30	53.0	100.9	5.7	37.8
01Jun2015	10:45	67.3	101.3	5.7	42.3
01Jun2015	11:00	89.1	101.9	5.8	49.7
01Jun2015	11:15	120.5	103.0	5.8	61.8
01Jun2015	11:30	164.0	104.4	5.9	80.7
01Jun2015	11:45	240.3	106.6	6.0	111.8
01Jun2015	12:00	417.8	110.5	6.2	167.5
01Jun2015	12:15	767.0	118.0	6.5	292.2
01Jun2015	12:30	1210.2	129.8	6.9	532.2
01Jun2015	12:45	1507.6	143.3	7.5	859.8
01Jun2015	13:00	1739.6	155.4	8.0	1194.3
01Jun2015	13:15	1888.8	165.2	8.3	1461.6
01Jun2015	13:30	1995.5	172.8	8.6	1676.3
01Jun2015	13:45	2044.9	178.2	8.8	1834.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2057.7	181.6	8.9	1937.5
01Jun2015	14:15	2043.2	183.4	9.0	1991.8
01Jun2015	14:30	1990.2	183.7	9.0	2003.8
01Jun2015	14:45	1904.5	182.9	9.0	1976.6
01Jun2015	15:00	1800.6	180.9	8.9	1917.1
01Jun2015	15:15	1647.6	177.9	8.8	1825.4
01Jun2015	15:30	1484.7	173.8	8.6	1704.2
01Jun2015	15:45	1261.8	168.6	8.4	1555.2
01Jun2015	16:00	991.4	161.8	8.2	1367.4
01Jun2015	16:15	812.4	154.4	7.9	1165.4
01Jun2015	16:30	727.2	148.2	7.7	990.4
01Jun2015	16:45	669.7	143.5	7.5	865.9
01Jun2015	17:00	622.6	140.0	7.3	775.1
01Jun2015	17:15	581.9	137.2	7.2	704.5
01Jun2015	17:30	545.7	134.8	7.1	648.4
01Jun2015	17:45	514.0	132.9	7.1	602.2
01Jun2015	18:00	485.4	131.1	7.0	562.9
01Jun2015	18:15	459.8	129.6	6.9	528.9
01Jun2015	18:30	436.4	128.3	6.9	499.0
01Jun2015	18:45	415.3	127.0	6.8	472.3
01Jun2015	19:00	396.4	125.9	6.8	448.5
01Jun2015	19:15	378.9	124.9	6.7	426.9
01Jun2015	19:30	363.5	123.9	6.7	407.4
01Jun2015	19:45	349.9	123.1	6.7	389.9
01Jun2015	20:00	337.7	122.3	6.6	374.2
01Jun2015	20:15	327.2	121.6	6.6	360.1
01Jun2015	20:30	317.8	120.9	6.6	347.5
01Jun2015	20:45	309.5	120.3	6.5	336.3
01Jun2015	21:00	301.9	119.8	6.5	326.3
01Jun2015	21:15	294.9	119.3	6.5	317.2
01Jun2015	21:30	288.4	118.9	6.5	308.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	282.4	118.5	6.5	301.4
01Jun2015	22:00	276.8	118.1	6.5	294.4
01Jun2015	22:15	271.6	117.7	6.4	288.0
01Jun2015	22:30	266.7	117.4	6.4	282.1
01Jun2015	22:45	261.9	117.1	6.4	276.5
01Jun2015	23:00	257.2	116.8	6.4	271.2
01Jun2015	23:15	252.6	116.5	6.4	266.2
01Jun2015	23:30	248.0	116.2	6.4	261.3
01Jun2015	23:45	243.6	116.0	6.4	256.5
02Jun2015	00:00	239.2	115.7	6.4	251.9
02Jun2015	00:15	233.1	115.4	6.3	247.2
02Jun2015	00:30	225.4	115.1	6.3	241.8
02Jun2015	00:45	214.9	114.7	6.3	235.3
02Jun2015	01:00	202.0	114.2	6.3	227.3
02Jun2015	01:15	188.1	113.7	6.3	217.8
02Jun2015	01:30	174.2	113.0	6.3	207.2
02Jun2015	01:45	160.6	112.3	6.2	195.9
02Jun2015	02:00	147.7	111.6	6.2	184.2
02Jun2015	02:15	135.7	110.8	6.2	172.5
02Jun2015	02:30	125.0	110.1	6.1	161.1
02Jun2015	02:45	115.7	109.3	6.1	150.3
02Jun2015	03:00	107.8	108.6	6.1	140.3
02Jun2015	03:15	101.1	108.0	6.0	131.2
02Jun2015	03:30	95.6	107.4	6.0	123.0
02Jun2015	03:45	91.1	106.9	6.0	115.7
02Jun2015	04:00	87.6	106.4	6.0	108.8
02Jun2015	04:15	84.8	106.0	6.0	102.8
02Jun2015	04:30	82.5	105.6	5.9	97.8
02Jun2015	04:45	80.6	105.4	5.9	93.6
02Jun2015	05:00	79.1	105.1	5.9	90.1
02Jun2015	05:15	77.8	104.9	5.9	87.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	76.7	104.7	5.9	84.7
02Jun2015	05:45	75.7	104.6	5.9	82.6
02Jun2015	06:00	74.9	104.4	5.9	80.8
02Jun2015	06:15	74.1	104.3	5.9	79.3
02Jun2015	06:30	73.5	104.2	5.9	77.9
02Jun2015	06:45	73.0	104.1	5.9	76.8
02Jun2015	07:00	72.5	104.1	5.9	75.8
02Jun2015	07:15	72.0	104.0	5.9	75.0
02Jun2015	07:30	71.6	103.9	5.9	74.2
02Jun2015	07:45	71.3	103.9	5.9	73.5
02Jun2015	08:00	70.9	103.8	5.9	73.0
02Jun2015	08:15	70.6	103.8	5.9	72.4
02Jun2015	08:30	70.4	103.8	5.9	72.0
02Jun2015	08:45	70.2	103.7	5.9	71.6
02Jun2015	09:00	69.9	103.7	5.9	71.2
02Jun2015	09:15	69.7	103.7	5.9	70.9
02Jun2015	09:30	69.5	103.7	5.9	70.6
02Jun2015	09:45	69.4	103.6	5.9	70.3
02Jun2015	10:00	69.2	103.6	5.9	70.1
02Jun2015	10:15	69.1	103.6	5.9	69.9
02Jun2015	10:30	69.0	103.6	5.9	69.7
02Jun2015	10:45	68.8	103.6	5.9	69.5
02Jun2015	11:00	68.7	103.6	5.9	69.3
02Jun2015	11:15	68.6	103.5	5.9	69.2
02Jun2015	11:30	68.5	103.5	5.9	69.0
02Jun2015	11:45	68.4	103.5	5.9	68.9
02Jun2015	12:00	68.3	103.5	5.9	68.8

Project: hempstead lake
Simulation Run: 003 - 8-24-15 100 year 36 hr Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 25Aug2015, 11:31:18 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.1	0.1
01Jun2015	07:45	0.8	0.4
01Jun2015	08:00	2.5	1.6
01Jun2015	08:15	6.6	4.6
01Jun2015	08:30	13.9	10.3
01Jun2015	08:45	24.6	19.3
01Jun2015	09:00	38.8	31.8
01Jun2015	09:15	56.6	47.8
01Jun2015	09:30	77.9	67.2
01Jun2015	09:45	102.7	90.2
01Jun2015	10:00	131.1	116.7
01Jun2015	10:15	163.5	146.9
01Jun2015	10:30	201.1	181.7
01Jun2015	10:45	246.1	222.6
01Jun2015	11:00	300.0	271.9
01Jun2015	11:15	366.3	333.4
01Jun2015	11:30	457.0	415.1
01Jun2015	11:45	639.7	563.6
01Jun2015	12:00	1207.1	993.5
01Jun2015	12:15	2468.5	2067.9
01Jun2015	12:30	3824.8	3413.9
01Jun2015	12:45	4335.0	4158.7
01Jun2015	13:00	3917.3	4010.7
01Jun2015	13:15	3123.9	3342.1
01Jun2015	13:30	2386.3	2607.5
01Jun2015	13:45	1839.9	2018.3

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	1464.1	1595.2
01Jun2015	14:15	1209.7	1302.8
01Jun2015	14:30	1032.3	1099.4
01Jun2015	14:45	905.8	955.1
01Jun2015	15:00	812.4	850.0
01Jun2015	15:15	739.7	769.7
01Jun2015	15:30	679.7	704.9
01Jun2015	15:45	627.1	649.5
01Jun2015	16:00	578.7	599.7
01Jun2015	16:15	533.2	553.3
01Jun2015	16:30	491.3	510.2
01Jun2015	16:45	454.2	471.4
01Jun2015	17:00	422.6	437.5
01Jun2015	17:15	395.7	408.6
01Jun2015	17:30	372.2	383.7
01Jun2015	17:45	350.9	361.4
01Jun2015	18:00	330.5	340.7
01Jun2015	18:15	310.3	320.5
01Jun2015	18:30	291.4	301.2
01Jun2015	18:45	275.7	284.0
01Jun2015	19:00	263.6	270.1
01Jun2015	19:15	254.1	259.3
01Jun2015	19:30	245.8	250.3
01Jun2015	19:45	238.4	242.4
01Jun2015	20:00	231.8	235.3
01Jun2015	20:15	226.0	229.1
01Jun2015	20:30	220.7	223.5
01Jun2015	20:45	215.2	218.1
01Jun2015	21:00	209.2	212.3
01Jun2015	21:15	203.6	206.6
01Jun2015	21:30	198.6	201.2

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	194.4	196.6
01Jun2015	22:00	190.6	192.6
01Jun2015	22:15	186.9	188.8
01Jun2015	22:30	182.6	184.8
01Jun2015	22:45	178.0	180.4
01Jun2015	23:00	173.1	175.7
01Jun2015	23:15	168.3	170.8
01Jun2015	23:30	163.7	166.1
01Jun2015	23:45	159.5	161.7
02Jun2015	00:00	155.5	157.6
02Jun2015	00:15	145.5	150.5
02Jun2015	00:30	121.6	133.5
02Jun2015	00:45	88.4	105.0
02Jun2015	01:00	56.6	72.6
02Jun2015	01:15	33.2	45.1
02Jun2015	01:30	18.6	26.1
02Jun2015	01:45	10.2	14.6
02Jun2015	02:00	5.5	8.0
02Jun2015	02:15	3.0	4.4
02Jun2015	02:30	1.5	2.3
02Jun2015	02:45	0.7	1.2
02Jun2015	03:00	0.3	0.5
02Jun2015	03:15	0.1	0.2
02Jun2015	03:30	0.0	0.1
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 003 - 8-24-15 100 year 36 hr Reservoir: Northwest Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 25Aug2015, 11:31:18 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	24.4	22.0	230.4
01Jun2015	00:15	0.0	20.6	21.4	143.8
01Jun2015	00:30	0.0	18.2	21.1	95.6
01Jun2015	00:45	0.1	16.5	20.8	66.7
01Jun2015	01:00	0.6	15.3	20.6	48.4
01Jun2015	01:15	1.0	14.5	20.5	36.3
01Jun2015	01:30	1.3	13.8	20.4	28.0
01Jun2015	01:45	1.6	13.4	20.4	22.2
01Jun2015	02:00	1.8	13.0	20.3	18.0
01Jun2015	02:15	2.0	12.7	20.3	14.9
01Jun2015	02:30	2.3	12.4	20.2	12.5
01Jun2015	02:45	2.5	12.3	20.2	10.8
01Jun2015	03:00	2.7	12.1	20.2	9.4
01Jun2015	03:15	2.9	12.0	20.1	8.4
01Jun2015	03:30	3.1	11.9	20.1	7.5
01Jun2015	03:45	3.3	11.8	20.1	6.9
01Jun2015	04:00	3.6	11.7	20.1	6.4
01Jun2015	04:15	3.8	11.7	20.1	6.0
01Jun2015	04:30	4.0	11.6	20.1	5.7
01Jun2015	04:45	4.2	11.6	20.1	5.4
01Jun2015	05:00	4.3	11.6	20.1	5.3
01Jun2015	05:15	4.6	11.6	20.1	5.2
01Jun2015	05:30	4.7	11.5	20.1	5.1
01Jun2015	05:45	4.9	11.5	20.1	5.0
01Jun2015	06:00	5.1	11.5	20.1	5.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	5.3	11.5	20.1	5.1
01Jun2015	06:30	5.8	11.6	20.1	5.1
01Jun2015	06:45	6.2	11.6	20.1	5.2
01Jun2015	07:00	6.7	11.6	20.1	5.4
01Jun2015	07:15	7.2	11.6	20.1	5.6
01Jun2015	07:30	7.7	11.7	20.1	5.9
01Jun2015	07:45	8.3	11.7	20.1	6.2
01Jun2015	08:00	9.4	11.8	20.1	6.6
01Jun2015	08:15	11.2	11.8	20.1	7.2
01Jun2015	08:30	14.0	11.9	20.1	8.0
01Jun2015	08:45	17.7	12.1	20.2	9.2
01Jun2015	09:00	22.3	12.3	20.2	11.0
01Jun2015	09:15	27.8	12.5	20.2	13.5
01Jun2015	09:30	34.3	12.9	20.3	16.9
01Jun2015	09:45	42.3	13.3	20.3	21.2
01Jun2015	10:00	51.6	13.7	20.4	26.8
01Jun2015	10:15	62.8	14.3	20.5	33.8
01Jun2015	10:30	76.7	14.9	20.6	42.7
01Jun2015	10:45	94.0	15.7	20.7	54.0
01Jun2015	11:00	115.7	16.6	20.8	68.3
01Jun2015	11:15	145.7	17.7	21.0	87.1
01Jun2015	11:30	189.6	19.1	21.2	113.0
01Jun2015	11:45	294.1	21.3	21.5	157.8
01Jun2015	12:00	597.4	26.1	22.1	249.7
01Jun2015	12:15	1059.0	36.7	22.8	381.1
01Jun2015	12:30	1466.1	52.5	23.9	608.3
01Jun2015	12:45	1818.2	71.8	24.7	798.4
01Jun2015	13:00	4283.8	113.7	26.3	1232.2
01Jun2015	13:15	4397.0	167.3	28.2	2474.2
01Jun2015	13:30	3652.0	188.7	28.9	3405.1
01Jun2015	13:45	2886.8	186.8	28.9	3315.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2280.3	177.0	28.5	2865.7
01Jun2015	14:15	1841.0	165.7	28.2	2417.5
01Jun2015	14:30	1525.7	154.8	27.8	2035.8
01Jun2015	14:45	1300.1	145.7	27.5	1715.2
01Jun2015	15:00	1137.9	137.9	27.2	1505.8
01Jun2015	15:15	1016.0	130.2	26.9	1403.0
01Jun2015	15:30	917.8	122.1	26.6	1318.2
01Jun2015	15:45	839.6	113.9	26.4	1234.3
01Jun2015	16:00	773.5	105.9	26.1	1154.2
01Jun2015	16:15	717.6	98.3	25.8	1073.2
01Jun2015	16:30	679.5	91.4	25.5	998.6
01Jun2015	16:45	659.1	85.2	25.3	934.4
01Jun2015	17:00	641.7	79.9	25.0	880.1
01Jun2015	17:15	624.4	75.3	24.9	833.6
01Jun2015	17:30	607.1	71.3	24.7	793.3
01Jun2015	17:45	589.5	67.6	24.6	757.7
01Jun2015	18:00	571.5	64.3	24.4	725.8
01Jun2015	18:15	553.4	61.2	24.3	696.7
01Jun2015	18:30	535.7	58.4	24.2	670.0
01Jun2015	18:45	518.8	55.7	24.1	645.1
01Jun2015	19:00	502.9	53.2	24.0	619.1
01Jun2015	19:15	487.7	51.0	23.8	585.3
01Jun2015	19:30	473.3	49.1	23.7	557.1
01Jun2015	19:45	459.4	47.5	23.6	533.0
01Jun2015	20:00	446.2	46.1	23.5	511.9
01Jun2015	20:15	433.6	44.8	23.4	493.2
01Jun2015	20:30	421.2	43.6	23.3	476.2
01Jun2015	20:45	408.1	42.5	23.2	460.5
01Jun2015	21:00	395.4	41.4	23.2	445.6
01Jun2015	21:15	383.3	40.4	23.1	431.5
01Jun2015	21:30	371.9	39.4	23.0	418.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	361.1	38.5	23.0	405.4
01Jun2015	22:00	351.0	37.6	22.9	393.5
01Jun2015	22:15	341.2	36.7	22.8	382.0
01Jun2015	22:30	331.8	35.9	22.8	371.1
01Jun2015	22:45	322.6	35.1	22.7	360.6
01Jun2015	23:00	313.7	34.3	22.7	350.6
01Jun2015	23:15	305.2	33.6	22.6	340.9
01Jun2015	23:30	297.0	32.8	22.6	331.7
01Jun2015	23:45	289.3	32.1	22.5	322.8
02Jun2015	00:00	281.6	31.5	22.5	314.2
02Jun2015	00:15	270.0	30.8	22.4	305.5
02Jun2015	00:30	255.2	30.0	22.4	295.9
02Jun2015	00:45	237.8	29.1	22.3	284.9
02Jun2015	01:00	221.0	28.0	22.3	272.7
02Jun2015	01:15	205.2	27.0	22.2	259.8
02Jun2015	01:30	191.0	25.8	22.1	246.7
02Jun2015	01:45	178.4	24.7	22.0	233.6
02Jun2015	02:00	167.0	23.6	21.9	212.1
02Jun2015	02:15	156.6	22.8	21.8	192.7
02Jun2015	02:30	147.3	22.1	21.7	177.1
02Jun2015	02:45	138.7	21.6	21.6	164.4
02Jun2015	03:00	130.8	21.1	21.5	153.5
02Jun2015	03:15	123.6	20.6	21.4	144.0
02Jun2015	03:30	116.9	20.2	21.4	135.6
02Jun2015	03:45	110.8	19.8	21.3	128.0
02Jun2015	04:00	105.1	19.5	21.3	121.1
02Jun2015	04:15	99.8	19.2	21.2	114.8
02Jun2015	04:30	94.9	18.9	21.2	109.0
02Jun2015	04:45	90.4	18.6	21.1	103.6
02Jun2015	05:00	86.2	18.3	21.1	98.6
02Jun2015	05:15	81.9	18.1	21.1	93.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	77.8	17.8	21.0	89.5
02Jun2015	05:45	74.0	17.6	21.0	85.2
02Jun2015	06:00	70.4	17.4	21.0	81.2
02Jun2015	06:15	67.1	17.1	20.9	77.4
02Jun2015	06:30	64.0	16.9	20.9	73.9
02Jun2015	06:45	61.1	16.7	20.9	70.5
02Jun2015	07:00	58.4	16.5	20.8	67.3
02Jun2015	07:15	55.8	16.4	20.8	64.4
02Jun2015	07:30	53.4	16.2	20.8	61.6
02Jun2015	07:45	51.1	16.0	20.8	59.0
02Jun2015	08:00	49.0	15.9	20.7	56.5
02Jun2015	08:15	47.0	15.7	20.7	54.1
02Jun2015	08:30	45.1	15.6	20.7	51.9
02Jun2015	08:45	43.3	15.4	20.7	49.8
02Jun2015	09:00	41.6	15.3	20.6	47.9
02Jun2015	09:15	39.9	15.2	20.6	46.0
02Jun2015	09:30	38.4	15.1	20.6	44.2
02Jun2015	09:45	36.9	14.9	20.6	42.5
02Jun2015	10:00	35.6	14.8	20.6	40.9
02Jun2015	10:15	34.2	14.7	20.6	39.4
02Jun2015	10:30	33.0	14.6	20.5	38.0
02Jun2015	10:45	31.8	14.5	20.5	36.6
02Jun2015	11:00	30.7	14.4	20.5	35.3
02Jun2015	11:15	29.6	14.3	20.5	34.0
02Jun2015	11:30	28.5	14.2	20.5	32.8
02Jun2015	11:45	27.6	14.1	20.5	31.7
02Jun2015	12:00	26.6	14.1	20.5	30.6

Project: hempstead lake
Simulation Run: 003 - 8-24-15 100 year 36 hr Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 25Aug2015, 11:31:18 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	90.3	654.2	22.0	29.3
01Jun2015	00:15	182.7	656.4	22.0	29.5
01Jun2015	00:30	153.4	659.3	22.0	29.7
01Jun2015	00:45	100.8	661.3	22.1	29.9
01Jun2015	01:00	70.7	662.4	22.1	30.0
01Jun2015	01:15	52.3	663.1	22.1	30.1
01Jun2015	01:30	40.6	663.4	22.1	30.1
01Jun2015	01:45	32.6	663.6	22.1	30.1
01Jun2015	02:00	27.2	663.6	22.1	30.1
01Jun2015	02:15	23.4	663.5	22.1	30.1
01Jun2015	02:30	20.8	663.3	22.1	30.1
01Jun2015	02:45	19.0	663.1	22.1	30.1
01Jun2015	03:00	17.7	662.8	22.1	30.1
01Jun2015	03:15	16.8	662.6	22.1	30.1
01Jun2015	03:30	16.2	662.3	22.1	30.0
01Jun2015	03:45	16.0	662.0	22.1	30.0
01Jun2015	04:00	15.8	661.7	22.1	30.0
01Jun2015	04:15	15.7	661.4	22.1	29.9
01Jun2015	04:30	15.7	661.1	22.1	29.9
01Jun2015	04:45	16.1	660.8	22.1	29.9
01Jun2015	05:00	15.9	660.6	22.1	29.9
01Jun2015	05:15	16.3	660.3	22.1	29.8
01Jun2015	05:30	16.7	660.0	22.0	29.8
01Jun2015	05:45	16.8	659.7	22.0	29.8
01Jun2015	06:00	17.4	659.5	22.0	29.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	17.9	659.2	22.0	29.7
01Jun2015	06:30	19.0	659.0	22.0	29.7
01Jun2015	06:45	20.1	658.8	22.0	29.7
01Jun2015	07:00	21.5	658.6	22.0	29.7
01Jun2015	07:15	22.7	658.4	22.0	29.7
01Jun2015	07:30	24.1	658.3	22.0	29.7
01Jun2015	07:45	25.4	658.2	22.0	29.6
01Jun2015	08:00	27.1	658.1	22.0	29.6
01Jun2015	08:15	28.9	658.1	22.0	29.6
01Jun2015	08:30	32.0	658.1	22.0	29.6
01Jun2015	08:45	35.1	658.2	22.0	29.6
01Jun2015	09:00	38.9	658.3	22.0	29.7
01Jun2015	09:15	43.0	658.6	22.0	29.7
01Jun2015	09:30	47.9	658.9	22.0	29.7
01Jun2015	09:45	54.0	659.3	22.0	29.8
01Jun2015	10:00	60.9	659.9	22.0	29.8
01Jun2015	10:15	70.0	660.6	22.1	29.9
01Jun2015	10:30	81.8	661.6	22.1	30.0
01Jun2015	10:45	96.0	662.8	22.1	30.1
01Jun2015	11:00	112.7	664.3	22.1	30.2
01Jun2015	11:15	138.5	666.3	22.1	30.4
01Jun2015	11:30	177.2	668.9	22.1	30.6
01Jun2015	11:45	293.9	673.2	22.2	31.0
01Jun2015	12:00	605.5	681.8	22.2	31.8
01Jun2015	12:15	806.4	695.7	22.4	33.0
01Jun2015	12:30	805.7	711.7	22.5	34.3
01Jun2015	12:45	902.0	728.6	22.6	35.6
01Jun2015	13:00	1110.3	748.7	22.8	37.2
01Jun2015	13:15	1639.4	776.3	23.0	39.2
01Jun2015	13:30	2531.4	818.5	23.4	42.1
01Jun2015	13:45	3269.2	877.5	23.9	45.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	3443.2	945.9	24.4	49.6
01Jun2015	14:15	2979.5	1011.2	25.0	53.0
01Jun2015	14:30	2553.5	1067.2	25.4	55.7
01Jun2015	14:45	2151.6	1114.6	25.8	57.9
01Jun2015	15:00	1824.6	1154.5	26.1	59.7
01Jun2015	15:15	1606.4	1188.7	26.4	61.1
01Jun2015	15:30	1483.0	1219.3	26.6	62.3
01Jun2015	15:45	1415.2	1248.0	26.8	63.5
01Jun2015	16:00	1297.9	1274.7	27.0	64.5
01Jun2015	16:15	1240.3	1299.6	27.2	65.5
01Jun2015	16:30	1128.4	1322.7	27.4	66.4
01Jun2015	16:45	1055.7	1343.9	27.6	67.2
01Jun2015	17:00	950.1	1363.2	27.7	67.9
01Jun2015	17:15	897.5	1380.9	27.8	68.6
01Jun2015	17:30	851.8	1397.5	28.0	69.2
01Jun2015	17:45	813.1	1413.3	28.1	69.7
01Jun2015	18:00	782.6	1428.3	28.2	70.3
01Jun2015	18:15	735.1	1442.5	28.3	70.7
01Jun2015	18:30	720.2	1456.1	28.4	71.2
01Jun2015	18:45	681.0	1469.1	28.5	71.6
01Jun2015	19:00	665.0	1481.5	28.6	72.1
01Jun2015	19:15	625.9	1493.4	28.7	72.5
01Jun2015	19:30	623.9	1504.8	28.8	72.8
01Jun2015	19:45	583.5	1515.7	28.8	73.2
01Jun2015	20:00	560.2	1526.0	28.9	73.5
01Jun2015	20:15	538.7	1535.9	29.0	73.9
01Jun2015	20:30	519.0	1545.3	29.0	74.2
01Jun2015	20:45	499.5	1554.3	29.1	74.5
01Jun2015	21:00	488.4	1562.9	29.2	74.7
01Jun2015	21:15	469.6	1571.3	29.2	75.0
01Jun2015	21:30	460.1	1579.3	29.3	75.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	435.8	1587.0	29.4	75.5
01Jun2015	22:00	425.7	1594.4	29.4	75.8
01Jun2015	22:15	406.5	1601.4	29.5	76.0
01Jun2015	22:30	405.0	1608.2	29.5	76.2
01Jun2015	22:45	387.5	1614.8	29.6	76.4
01Jun2015	23:00	379.4	1621.1	29.6	76.6
01Jun2015	23:15	362.4	1627.2	29.6	76.8
01Jun2015	23:30	359.9	1633.1	29.7	77.0
01Jun2015	23:45	343.1	1638.8	29.7	77.2
02Jun2015	00:00	334.4	1644.2	29.8	77.3
02Jun2015	00:15	326.7	1649.4	29.8	77.5
02Jun2015	00:30	308.8	1654.4	29.8	77.6
02Jun2015	00:45	300.3	1659.0	29.9	77.8
02Jun2015	01:00	284.2	1663.5	29.9	77.9
02Jun2015	01:15	267.6	1667.6	29.9	78.1
02Jun2015	01:30	253.7	1671.3	30.0	78.2
02Jun2015	01:45	240.3	1674.8	30.0	78.3
02Jun2015	02:00	227.6	1678.0	30.0	78.4
02Jun2015	02:15	213.7	1681.0	30.0	78.5
02Jun2015	02:30	194.1	1683.6	30.1	78.5
02Jun2015	02:45	178.4	1685.8	30.1	78.6
02Jun2015	03:00	165.5	1687.7	30.1	78.7
02Jun2015	03:15	154.3	1689.4	30.1	78.7
02Jun2015	03:30	143.4	1690.8	30.1	78.8
02Jun2015	03:45	134.7	1692.1	30.1	78.8
02Jun2015	04:00	125.3	1693.2	30.1	78.8
02Jun2015	04:15	117.4	1694.0	30.1	78.8
02Jun2015	04:30	112.8	1694.8	30.1	78.9
02Jun2015	04:45	105.6	1695.4	30.1	78.9
02Jun2015	05:00	101.8	1695.9	30.1	78.9
02Jun2015	05:15	96.3	1696.3	30.2	78.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	93.2	1696.7	30.2	78.9
02Jun2015	05:45	86.5	1696.9	30.2	78.9
02Jun2015	06:00	84.6	1697.0	30.2	78.9
02Jun2015	06:15	78.6	1697.1	30.2	78.9
02Jun2015	06:30	77.1	1697.1	30.2	78.9
02Jun2015	06:45	71.6	1697.0	30.2	78.9
02Jun2015	07:00	70.1	1696.8	30.2	78.9
02Jun2015	07:15	65.5	1696.6	30.2	78.9
02Jun2015	07:30	63.8	1696.3	30.2	78.9
02Jun2015	07:45	58.3	1695.9	30.1	78.9
02Jun2015	08:00	57.6	1695.5	30.1	78.9
02Jun2015	08:15	54.6	1695.0	30.1	78.9
02Jun2015	08:30	52.1	1694.5	30.1	78.9
02Jun2015	08:45	50.4	1693.9	30.1	78.8
02Jun2015	09:00	48.0	1693.3	30.1	78.8
02Jun2015	09:15	46.5	1692.6	30.1	78.8
02Jun2015	09:30	44.3	1691.9	30.1	78.8
02Jun2015	09:45	43.0	1691.2	30.1	78.8
02Jun2015	10:00	41.0	1690.5	30.1	78.7
02Jun2015	10:15	39.9	1689.7	30.1	78.7
02Jun2015	10:30	38.1	1688.9	30.1	78.7
02Jun2015	10:45	37.0	1688.0	30.1	78.7
02Jun2015	11:00	35.4	1687.1	30.1	78.6
02Jun2015	11:15	34.4	1686.2	30.1	78.6
02Jun2015	11:30	32.9	1685.3	30.1	78.6
02Jun2015	11:45	32.1	1684.3	30.1	78.6
02Jun2015	12:00	30.7	1683.4	30.1	78.5

Project: hempstead lake
Simulation Run: 003 - 8-24-15 100 year 36 hr Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 25Aug2015, 11:31:18 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	29.3	107.5	12.0	0.0
01Jun2015	00:15	29.4	108.1	12.0	0.3
01Jun2015	00:30	29.7	108.7	12.1	0.8
01Jun2015	00:45	30.0	109.3	12.1	1.5
01Jun2015	01:00	30.3	109.8	12.1	2.3
01Jun2015	01:15	30.6	110.4	12.1	3.2
01Jun2015	01:30	30.9	111.0	12.2	4.2
01Jun2015	01:45	31.0	111.5	12.2	5.2
01Jun2015	02:00	31.2	112.0	12.2	6.2
01Jun2015	02:15	31.3	112.5	12.2	7.3
01Jun2015	02:30	31.4	113.0	12.2	8.3
01Jun2015	02:45	31.5	113.5	12.3	9.4
01Jun2015	03:00	31.7	113.9	12.3	10.5
01Jun2015	03:15	31.8	114.4	12.3	11.5
01Jun2015	03:30	31.9	114.8	12.3	12.6
01Jun2015	03:45	32.0	115.2	12.3	13.6
01Jun2015	04:00	32.1	115.5	12.4	14.6
01Jun2015	04:15	32.2	115.9	12.4	15.5
01Jun2015	04:30	32.3	116.2	12.4	16.5
01Jun2015	04:45	32.4	116.6	12.4	17.4
01Jun2015	05:00	32.5	116.9	12.4	18.3
01Jun2015	05:15	32.7	117.1	12.4	19.1
01Jun2015	05:30	32.8	117.4	12.4	19.9
01Jun2015	05:45	32.9	117.7	12.5	20.7
01Jun2015	06:00	33.0	117.9	12.5	21.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	33.2	118.2	12.5	22.2
01Jun2015	06:30	33.5	118.4	12.5	22.9
01Jun2015	06:45	33.8	118.6	12.5	23.5
01Jun2015	07:00	34.1	118.8	12.5	24.2
01Jun2015	07:15	34.5	119.0	12.5	24.9
01Jun2015	07:30	34.8	119.2	12.5	25.5
01Jun2015	07:45	35.2	119.4	12.5	26.1
01Jun2015	08:00	35.6	119.6	12.5	26.7
01Jun2015	08:15	36.2	119.8	12.5	27.3
01Jun2015	08:30	37.0	119.9	12.6	28.0
01Jun2015	08:45	37.9	120.1	12.6	28.6
01Jun2015	09:00	39.0	120.3	12.6	29.3
01Jun2015	09:15	40.3	120.5	12.6	30.0
01Jun2015	09:30	42.0	120.8	12.6	30.7
01Jun2015	09:45	44.3	121.0	12.6	31.6
01Jun2015	10:00	47.0	121.3	12.6	32.6
01Jun2015	10:15	50.5	121.6	12.6	33.7
01Jun2015	10:30	55.0	122.0	12.6	35.1
01Jun2015	10:45	60.5	122.4	12.7	36.8
01Jun2015	11:00	67.0	123.0	12.7	38.7
01Jun2015	11:15	76.0	123.6	12.7	41.2
01Jun2015	11:30	88.6	124.4	12.8	44.4
01Jun2015	11:45	122.6	125.7	12.8	49.2
01Jun2015	12:00	222.4	128.1	12.9	59.4
01Jun2015	12:15	341.1	132.5	13.1	79.4
01Jun2015	12:30	446.9	138.7	13.4	110.5
01Jun2015	12:45	565.1	146.4	13.7	154.0
01Jun2015	13:00	591.9	154.6	14.1	204.0
01Jun2015	13:15	527.8	161.5	14.4	246.3
01Jun2015	13:30	443.5	166.2	14.6	276.1
01Jun2015	13:45	376.1	168.8	14.7	293.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	321.6	169.8	14.7	300.4
01Jun2015	14:15	279.2	169.8	14.7	300.4
01Jun2015	14:30	248.1	169.1	14.7	295.6
01Jun2015	14:45	223.4	168.0	14.6	287.9
01Jun2015	15:00	203.0	166.5	14.6	278.4
01Jun2015	15:15	187.2	164.9	14.5	267.9
01Jun2015	15:30	175.2	163.2	14.4	257.0
01Jun2015	15:45	167.3	161.6	14.4	246.5
01Jun2015	16:00	159.6	160.0	14.3	236.4
01Jun2015	16:15	154.0	158.4	14.2	226.8
01Jun2015	16:30	147.9	156.9	14.2	217.9
01Jun2015	16:45	143.4	155.5	14.1	209.4
01Jun2015	17:00	138.4	154.2	14.1	201.5
01Jun2015	17:15	134.9	152.9	14.0	194.1
01Jun2015	17:30	130.9	151.8	14.0	186.8
01Jun2015	17:45	128.2	150.6	13.9	179.8
01Jun2015	18:00	124.8	149.6	13.9	173.4
01Jun2015	18:15	122.6	148.6	13.8	167.5
01Jun2015	18:30	119.8	147.7	13.8	162.0
01Jun2015	18:45	118.1	146.9	13.8	157.0
01Jun2015	19:00	115.9	146.1	13.7	152.4
01Jun2015	19:15	114.6	145.4	13.7	148.1
01Jun2015	19:30	113.0	144.7	13.7	144.2
01Jun2015	19:45	112.2	144.1	13.6	140.6
01Jun2015	20:00	111.0	143.5	13.6	137.4
01Jun2015	20:15	110.6	143.0	13.6	134.4
01Jun2015	20:30	109.6	142.6	13.6	131.8
01Jun2015	20:45	109.2	142.1	13.5	129.3
01Jun2015	21:00	108.3	141.7	13.5	127.1
01Jun2015	21:15	108.0	141.3	13.5	125.0
01Jun2015	21:30	107.2	141.0	13.5	123.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	106.9	140.7	13.5	121.4
01Jun2015	22:00	106.2	140.4	13.5	119.8
01Jun2015	22:15	105.9	140.1	13.5	118.4
01Jun2015	22:30	105.3	139.9	13.4	117.0
01Jun2015	22:45	105.0	139.7	13.4	115.8
01Jun2015	23:00	104.3	139.4	13.4	114.6
01Jun2015	23:15	104.1	139.2	13.4	113.5
01Jun2015	23:30	103.4	139.0	13.4	112.5
01Jun2015	23:45	103.1	138.9	13.4	111.5
02Jun2015	00:00	102.3	138.7	13.4	110.6
02Jun2015	00:15	100.5	138.5	13.4	109.6
02Jun2015	00:30	98.3	138.3	13.4	108.6
02Jun2015	00:45	96.0	138.1	13.4	107.4
02Jun2015	01:00	93.0	137.8	13.4	106.1
02Jun2015	01:15	90.2	137.5	13.3	104.6
02Jun2015	01:30	87.3	137.2	13.3	103.0
02Jun2015	01:45	85.2	136.9	13.3	101.3
02Jun2015	02:00	83.4	136.6	13.3	99.6
02Jun2015	02:15	82.3	136.2	13.3	97.9
02Jun2015	02:30	81.3	135.9	13.3	96.3
02Jun2015	02:45	80.8	135.6	13.3	94.8
02Jun2015	03:00	80.3	135.4	13.2	93.4
02Jun2015	03:15	80.1	135.1	13.2	92.1
02Jun2015	03:30	79.8	134.9	13.2	90.9
02Jun2015	03:45	79.7	134.6	13.2	89.8
02Jun2015	04:00	79.5	134.4	13.2	88.8
02Jun2015	04:15	79.5	134.3	13.2	87.9
02Jun2015	04:30	79.3	134.1	13.2	87.1
02Jun2015	04:45	79.4	133.9	13.2	86.3
02Jun2015	05:00	79.2	133.8	13.2	85.7
02Jun2015	05:15	79.3	133.7	13.2	85.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	79.2	133.6	13.2	84.5
02Jun2015	05:45	79.2	133.5	13.2	84.0
02Jun2015	06:00	79.1	133.4	13.2	83.5
02Jun2015	06:15	79.2	133.3	13.1	83.1
02Jun2015	06:30	79.1	133.2	13.1	82.7
02Jun2015	06:45	79.1	133.1	13.1	82.4
02Jun2015	07:00	79.0	133.1	13.1	82.1
02Jun2015	07:15	79.1	133.0	13.1	81.8
02Jun2015	07:30	79.0	132.9	13.1	81.5
02Jun2015	07:45	79.0	132.9	13.1	81.3
02Jun2015	08:00	79.0	132.8	13.1	81.1
02Jun2015	08:15	79.0	132.8	13.1	80.9
02Jun2015	08:30	78.9	132.8	13.1	80.7
02Jun2015	08:45	78.9	132.7	13.1	80.5
02Jun2015	09:00	78.9	132.7	13.1	80.4
02Jun2015	09:15	78.9	132.7	13.1	80.2
02Jun2015	09:30	78.8	132.6	13.1	80.1
02Jun2015	09:45	78.8	132.6	13.1	80.0
02Jun2015	10:00	78.8	132.6	13.1	79.9
02Jun2015	10:15	78.8	132.6	13.1	79.8
02Jun2015	10:30	78.7	132.6	13.1	79.7
02Jun2015	10:45	78.7	132.5	13.1	79.6
02Jun2015	11:00	78.7	132.5	13.1	79.5
02Jun2015	11:15	78.7	132.5	13.1	79.4
02Jun2015	11:30	78.6	132.5	13.1	79.3
02Jun2015	11:45	78.6	132.5	13.1	79.3
02Jun2015	12:00	78.5	132.5	13.1	79.2

Project: hempstead lake
Simulation Run: 003 - 8-24-15 100 year 36 hr Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 25Aug2015, 11:31:18 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.7	102.4	5.8	54.4
01Jun2015	00:45	46.9	102.6	5.8	56.8
01Jun2015	01:00	30.3	102.2	5.8	52.8
01Jun2015	01:15	21.9	101.7	5.8	47.2
01Jun2015	01:30	17.5	101.2	5.7	41.6
01Jun2015	01:45	15.1	100.8	5.7	36.6
01Jun2015	02:00	13.9	100.3	5.7	32.4
01Jun2015	02:15	13.5	100.0	5.7	29.0
01Jun2015	02:30	13.6	99.7	5.7	26.2
01Jun2015	02:45	13.9	99.5	5.7	24.1
01Jun2015	03:00	14.4	99.3	5.7	22.4
01Jun2015	03:15	15.2	99.1	5.6	21.1
01Jun2015	03:30	16.0	99.0	5.6	20.2
01Jun2015	03:45	16.9	99.0	5.6	19.6
01Jun2015	04:00	17.7	98.9	5.6	19.3
01Jun2015	04:15	18.6	98.9	5.6	19.1
01Jun2015	04:30	19.3	98.9	5.6	19.1
01Jun2015	04:45	20.2	98.9	5.6	19.2
01Jun2015	05:00	21.5	98.9	5.6	19.4
01Jun2015	05:15	22.5	99.0	5.6	19.9
01Jun2015	05:30	23.3	99.0	5.6	20.3
01Jun2015	05:45	24.1	99.1	5.6	20.9
01Jun2015	06:00	24.9	99.2	5.7	21.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	25.7	99.2	5.7	22.1
01Jun2015	06:30	26.6	99.3	5.7	22.8
01Jun2015	06:45	27.6	99.4	5.7	23.5
01Jun2015	07:00	28.5	99.5	5.7	24.3
01Jun2015	07:15	29.4	99.6	5.7	25.1
01Jun2015	07:30	30.3	99.7	5.7	25.9
01Jun2015	07:45	31.2	99.8	5.7	26.8
01Jun2015	08:00	32.1	99.8	5.7	27.6
01Jun2015	08:15	33.1	99.9	5.7	28.5
01Jun2015	08:30	34.4	100.0	5.7	29.5
01Jun2015	08:45	36.0	100.1	5.7	30.5
01Jun2015	09:00	38.2	100.3	5.7	31.7
01Jun2015	09:15	41.8	100.4	5.7	33.3
01Jun2015	09:30	48.3	100.6	5.7	35.5
01Jun2015	09:45	59.4	101.0	5.7	39.1
01Jun2015	10:00	76.3	101.5	5.8	44.9
01Jun2015	10:15	99.7	102.3	5.8	54.0
01Jun2015	10:30	130.1	103.4	5.8	67.7
01Jun2015	10:45	167.9	104.9	5.9	87.3
01Jun2015	11:00	213.7	106.8	6.0	114.2
01Jun2015	11:15	270.0	109.1	6.1	146.2
01Jun2015	11:30	341.5	111.9	6.2	189.1
01Jun2015	11:45	461.2	115.6	6.4	250.7
01Jun2015	12:00	745.6	121.7	6.6	363.0
01Jun2015	12:15	1238.8	132.3	7.0	588.6
01Jun2015	12:30	1594.7	145.7	7.6	924.0
01Jun2015	12:45	1902.1	158.7	8.1	1284.7
01Jun2015	13:00	2130.6	170.3	8.5	1604.6
01Jun2015	13:15	2297.3	179.8	8.8	1883.6
01Jun2015	13:30	2404.7	187.0	9.1	2105.1
01Jun2015	13:45	2474.2	192.2	9.3	2270.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2504.4	195.6	9.4	2380.1
01Jun2015	14:15	2509.1	197.5	9.5	2444.2
01Jun2015	14:30	2479.7	198.3	9.5	2469.7
01Jun2015	14:45	2438.3	198.2	9.5	2464.3
01Jun2015	15:00	2381.4	197.3	9.5	2436.6
01Jun2015	15:15	2313.3	195.9	9.4	2391.4
01Jun2015	15:30	2222.5	194.0	9.4	2329.2
01Jun2015	15:45	2119.4	191.6	9.3	2250.1
01Jun2015	16:00	1995.4	188.6	9.2	2154.8
01Jun2015	16:15	1845.4	184.9	9.0	2040.2
01Jun2015	16:30	1649.4	180.3	8.9	1899.4
01Jun2015	16:45	1420.0	174.7	8.7	1730.8
01Jun2015	17:00	1133.9	167.6	8.4	1526.6
01Jun2015	17:15	847.9	159.1	8.1	1294.1
01Jun2015	17:30	738.0	151.2	7.8	1072.9
01Jun2015	17:45	679.4	145.4	7.6	915.0
01Jun2015	18:00	636.2	141.3	7.4	807.4
01Jun2015	18:15	600.0	138.2	7.3	729.3
01Jun2015	18:30	567.9	135.8	7.2	670.9
01Jun2015	18:45	539.3	133.8	7.1	624.7
01Jun2015	19:00	513.8	132.2	7.0	586.7
01Jun2015	19:15	490.3	130.8	7.0	554.4
01Jun2015	19:30	470.2	129.5	6.9	526.6
01Jun2015	19:45	452.5	128.4	6.9	502.4
01Jun2015	20:00	437.0	127.5	6.8	481.3
01Jun2015	20:15	423.3	126.6	6.8	462.8
01Jun2015	20:30	411.1	125.8	6.8	446.5
01Jun2015	20:45	400.1	125.1	6.7	432.0
01Jun2015	21:00	390.0	124.5	6.7	419.0
01Jun2015	21:15	380.5	123.9	6.7	407.2
01Jun2015	21:30	371.7	123.4	6.7	396.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	363.4	122.9	6.7	386.5
01Jun2015	22:00	355.8	122.4	6.6	377.3
01Jun2015	22:15	348.7	122.0	6.6	368.8
01Jun2015	22:30	342.0	121.6	6.6	360.9
01Jun2015	22:45	335.6	121.2	6.6	353.5
01Jun2015	23:00	329.2	120.9	6.6	346.5
01Jun2015	23:15	323.0	120.5	6.6	339.8
01Jun2015	23:30	316.9	120.2	6.5	333.2
01Jun2015	23:45	311.0	119.8	6.5	326.9
02Jun2015	00:00	305.0	119.5	6.5	320.7
02Jun2015	00:15	296.8	119.2	6.5	314.3
02Jun2015	00:30	285.9	118.8	6.5	306.9
02Jun2015	00:45	271.0	118.3	6.5	297.8
02Jun2015	01:00	252.9	117.6	6.4	286.5
02Jun2015	01:15	233.6	116.9	6.4	272.9
02Jun2015	01:30	214.4	116.0	6.4	257.8
02Jun2015	01:45	196.1	115.1	6.3	241.9
02Jun2015	02:00	178.8	114.2	6.3	225.7
02Jun2015	02:15	163.1	113.2	6.3	209.7
02Jun2015	02:30	149.1	112.2	6.2	194.4
02Jun2015	02:45	137.2	111.3	6.2	180.1
02Jun2015	03:00	127.2	110.5	6.1	167.0
02Jun2015	03:15	118.9	109.7	6.1	155.3
02Jun2015	03:30	112.1	109.0	6.1	144.8
02Jun2015	03:45	106.6	108.3	6.1	135.7
02Jun2015	04:00	102.3	107.8	6.0	127.8
02Jun2015	04:15	98.9	107.3	6.0	121.1
02Jun2015	04:30	96.1	106.8	6.0	115.3
02Jun2015	04:45	93.9	106.5	6.0	109.9
02Jun2015	05:00	92.1	106.2	6.0	105.4
02Jun2015	05:15	90.5	105.9	6.0	101.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	89.2	105.7	6.0	98.6
02Jun2015	05:45	88.1	105.5	5.9	96.1
02Jun2015	06:00	87.2	105.4	5.9	93.9
02Jun2015	06:15	86.3	105.2	5.9	92.1
02Jun2015	06:30	85.6	105.1	5.9	90.5
02Jun2015	06:45	84.9	105.0	5.9	89.2
02Jun2015	07:00	84.4	105.0	5.9	88.0
02Jun2015	07:15	83.8	104.9	5.9	87.0
02Jun2015	07:30	83.4	104.8	5.9	86.2
02Jun2015	07:45	83.0	104.8	5.9	85.4
02Jun2015	08:00	82.6	104.7	5.9	84.8
02Jun2015	08:15	82.3	104.7	5.9	84.2
02Jun2015	08:30	82.0	104.6	5.9	83.7
02Jun2015	08:45	81.7	104.6	5.9	83.2
02Jun2015	09:00	81.5	104.6	5.9	82.8
02Jun2015	09:15	81.2	104.6	5.9	82.5
02Jun2015	09:30	81.0	104.5	5.9	82.1
02Jun2015	09:45	80.8	104.5	5.9	81.8
02Jun2015	10:00	80.7	104.5	5.9	81.6
02Jun2015	10:15	80.5	104.5	5.9	81.3
02Jun2015	10:30	80.4	104.5	5.9	81.1
02Jun2015	10:45	80.3	104.4	5.9	80.9
02Jun2015	11:00	80.1	104.4	5.9	80.7
02Jun2015	11:15	80.0	104.4	5.9	80.6
02Jun2015	11:30	79.9	104.4	5.9	80.4
02Jun2015	11:45	79.8	104.4	5.9	80.3
02Jun2015	12:00	79.7	104.4	5.9	80.2

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.1	0.1
01Jun2015	03:30	0.8	0.6
01Jun2015	03:45	3.5	2.5
01Jun2015	04:00	10.0	7.7
01Jun2015	04:15	21.0	17.1
01Jun2015	04:30	35.8	30.4
01Jun2015	04:45	52.7	46.5
01Jun2015	05:00	70.5	63.8
01Jun2015	05:15	88.8	81.9
01Jun2015	05:30	108.1	100.7
01Jun2015	05:45	127.9	120.2
01Jun2015	06:00	147.5	139.8

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	173.4	163.2
01Jun2015	06:30	217.4	199.8
01Jun2015	06:45	276.6	252.3
01Jun2015	07:00	338.7	312.5
01Jun2015	07:15	397.3	371.9
01Jun2015	07:30	454.2	429.2
01Jun2015	07:45	509.6	484.9
01Jun2015	08:00	560.9	538.0
01Jun2015	08:15	610.0	588.5
01Jun2015	08:30	662.8	640.4
01Jun2015	08:45	718.3	695.2
01Jun2015	09:00	770.6	749.1
01Jun2015	09:15	821.8	801.2
01Jun2015	09:30	880.8	857.6
01Jun2015	09:45	944.7	919.9
01Jun2015	10:00	1004.6	981.6
01Jun2015	10:15	1063.0	1041.0
01Jun2015	10:30	1132.2	1106.7
01Jun2015	10:45	1208.0	1180.3
01Jun2015	11:00	1278.0	1252.7
01Jun2015	11:15	1345.6	1321.7
01Jun2015	11:30	1427.2	1398.9
01Jun2015	11:45	1516.6	1485.8
01Jun2015	12:00	1598.5	1570.8
01Jun2015	12:15	1706.2	1671.3
01Jun2015	12:30	1896.9	1836.1
01Jun2015	12:45	2137.0	2061.0
01Jun2015	13:00	2358.7	2290.2
01Jun2015	13:15	2619.0	2543.0
01Jun2015	13:30	3043.6	2922.6
01Jun2015	13:45	3553.7	3410.2

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	4007.8	3884.6
01Jun2015	14:15	4523.2	4392.8
01Jun2015	14:30	5335.3	5134.0
01Jun2015	14:45	6286.3	6054.2
01Jun2015	15:00	7182.6	6993.1
01Jun2015	15:15	9247.4	8849.4
01Jun2015	15:30	14042.3	13106.8
01Jun2015	15:45	19879.7	18776.5
01Jun2015	16:00	24554.9	23660.2
01Jun2015	16:15	25710.8	25414.2
01Jun2015	16:30	22650.9	23124.2
01Jun2015	16:45	17826.4	18695.5
01Jun2015	17:00	13619.6	14446.5
01Jun2015	17:15	10702.0	11315.0
01Jun2015	17:30	8624.9	9084.1
01Jun2015	17:45	7107.0	7458.6
01Jun2015	18:00	6060.9	6313.8
01Jun2015	18:15	5216.8	5427.2
01Jun2015	18:30	4227.6	4482.6
01Jun2015	18:45	3204.2	3486.6
01Jun2015	19:00	2379.9	2626.8
01Jun2015	19:15	1822.8	2003.3
01Jun2015	19:30	1476.4	1596.2
01Jun2015	19:45	1266.3	1342.5
01Jun2015	20:00	1140.7	1187.9
01Jun2015	20:15	1064.2	1093.5
01Jun2015	20:30	1008.1	1029.7
01Jun2015	20:45	963.5	980.8
01Jun2015	21:00	930.4	943.4
01Jun2015	21:15	905.6	915.4
01Jun2015	21:30	881.7	891.1

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	858.5	867.7
01Jun2015	22:00	839.4	847.0
01Jun2015	22:15	824.2	830.3
01Jun2015	22:30	808.9	815.1
01Jun2015	22:45	793.6	799.7
01Jun2015	23:00	780.7	786.0
01Jun2015	23:15	770.9	775.0
01Jun2015	23:30	762.0	765.6
01Jun2015	23:45	753.5	757.0
02Jun2015	00:00	746.3	749.2
02Jun2015	00:15	708.2	723.0
02Jun2015	00:30	592.5	639.7
02Jun2015	00:45	424.6	497.7
02Jun2015	01:00	265.4	333.9
02Jun2015	01:15	151.8	198.9
02Jun2015	01:30	83.8	110.8
02Jun2015	01:45	45.9	60.4
02Jun2015	02:00	25.1	32.8
02Jun2015	02:15	13.6	17.8
02Jun2015	02:30	7.3	9.6
02Jun2015	02:45	3.8	5.1
02Jun2015	03:00	1.8	2.6
02Jun2015	03:15	0.7	1.1
02Jun2015	03:30	0.2	0.4
02Jun2015	03:45	0.1	0.1
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reservoir: Northwest Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	24.4	22.0	230.4
01Jun2015	00:15	0.1	20.6	21.4	143.8
01Jun2015	00:30	2.3	18.2	21.1	96.0
01Jun2015	00:45	4.6	16.6	20.8	67.9
01Jun2015	01:00	6.2	15.5	20.7	50.5
01Jun2015	01:15	7.5	14.7	20.6	39.3
01Jun2015	01:30	8.3	14.1	20.5	31.7
01Jun2015	01:45	8.8	13.7	20.4	26.4
01Jun2015	02:00	9.2	13.4	20.4	22.6
01Jun2015	02:15	9.8	13.2	20.3	19.9
01Jun2015	02:30	10.1	13.0	20.3	17.9
01Jun2015	02:45	10.3	12.8	20.3	16.4
01Jun2015	03:00	10.5	12.7	20.3	15.2
01Jun2015	03:15	11.0	12.6	20.2	14.4
01Jun2015	03:30	11.5	12.6	20.2	13.8
01Jun2015	03:45	12.4	12.5	20.2	13.5
01Jun2015	04:00	14.2	12.5	20.2	13.4
01Jun2015	04:15	17.4	12.6	20.2	13.9
01Jun2015	04:30	21.2	12.7	20.3	14.9
01Jun2015	04:45	25.4	12.8	20.3	16.5
01Jun2015	05:00	30.1	13.0	20.3	18.7
01Jun2015	05:15	35.9	13.3	20.3	21.7
01Jun2015	05:30	42.1	13.6	20.4	25.4
01Jun2015	05:45	48.7	14.0	20.4	29.9
01Jun2015	06:00	55.7	14.4	20.5	35.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	71.8	14.9	20.6	42.3
01Jun2015	06:30	89.0	15.6	20.7	52.3
01Jun2015	06:45	109.8	16.4	20.8	65.4
01Jun2015	07:00	132.7	17.4	21.0	82.0
01Jun2015	07:15	159.8	18.5	21.1	102.2
01Jun2015	07:30	189.8	19.8	21.3	126.5
01Jun2015	07:45	222.8	21.1	21.5	154.6
01Jun2015	08:00	256.6	22.5	21.7	186.1
01Jun2015	08:15	294.8	24.0	21.9	220.8
01Jun2015	08:30	335.9	25.7	22.1	244.9
01Jun2015	08:45	380.0	27.7	22.2	269.1
01Jun2015	09:00	424.3	30.2	22.4	298.5
01Jun2015	09:15	471.5	32.9	22.6	332.5
01Jun2015	09:30	521.3	35.9	22.8	370.9
01Jun2015	09:45	574.0	39.1	23.0	413.5
01Jun2015	10:00	627.6	42.5	23.2	460.2
01Jun2015	10:15	683.9	46.0	23.5	510.5
01Jun2015	10:30	742.3	49.6	23.7	564.1
01Jun2015	10:45	804.2	53.3	24.0	620.9
01Jun2015	11:00	866.9	57.3	24.1	660.0
01Jun2015	11:15	1012.5	62.5	24.4	709.2
01Jun2015	11:30	1469.6	72.5	24.8	805.7
01Jun2015	11:45	1756.7	87.6	25.4	958.9
01Jun2015	12:00	1923.1	103.9	26.0	1134.7
01Jun2015	12:15	2078.6	120.1	26.6	1297.6
01Jun2015	12:30	2278.6	136.4	27.2	1477.7
01Jun2015	12:45	2525.6	151.1	27.7	1899.1
01Jun2015	13:00	2808.3	162.3	28.1	2301.6
01Jun2015	13:15	3166.1	172.4	28.4	2666.5
01Jun2015	13:30	3622.3	182.4	28.7	3106.5
01Jun2015	13:45	4199.6	193.0	29.1	3616.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	4810.6	204.5	29.4	4202.7
01Jun2015	14:15	5532.1	216.6	29.8	4865.3
01Jun2015	14:30	6437.1	230.4	30.3	5642.3
01Jun2015	14:45	7545.3	246.8	30.8	6601.3
01Jun2015	15:00	8741.2	265.0	31.3	7732.1
01Jun2015	15:15	11210.5	290.4	32.1	9412.2
01Jun2015	15:30	15863.6	336.7	33.4	12544.3
01Jun2015	15:45	22533.6	410.3	35.3	17589.0
01Jun2015	16:00	29253.7	503.9	37.4	23767.3
01Jun2015	16:15	32601.2	585.8	39.1	29044.1
01Jun2015	16:30	31365.9	620.0	39.7	31281.1
01Jun2015	16:45	26815.8	595.0	39.3	29638.0
01Jun2015	17:00	21360.3	530.8	38.0	25572.5
01Jun2015	17:15	16706.8	456.8	36.4	20720.1
01Jun2015	17:30	13261.2	392.5	34.9	16365.8
01Jun2015	17:45	10802.9	343.8	33.6	13056.0
01Jun2015	18:00	9048.9	309.4	32.6	10659.6
01Jun2015	18:15	7651.2	283.2	31.9	8931.5
01Jun2015	18:30	6376.3	261.4	31.2	7504.9
01Jun2015	18:45	5101.2	240.6	30.6	6234.1
01Jun2015	19:00	3939.2	219.8	29.9	5043.7
01Jun2015	19:15	3020.4	200.4	29.3	3987.5
01Jun2015	19:30	2371.8	183.5	28.8	3161.4
01Jun2015	19:45	1941.6	169.8	28.3	2569.4
01Jun2015	20:00	1664.5	158.6	27.9	2171.3
01Jun2015	20:15	1487.0	149.9	27.6	1855.1
01Jun2015	20:30	1365.1	143.4	27.4	1647.1
01Jun2015	20:45	1283.6	138.2	27.2	1514.3
01Jun2015	21:00	1224.7	133.7	27.1	1440.7
01Jun2015	21:15	1178.9	129.3	26.9	1393.6
01Jun2015	21:30	1141.5	125.0	26.7	1348.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	1108.5	120.8	26.6	1305.1
01Jun2015	22:00	1079.7	116.9	26.5	1264.7
01Jun2015	22:15	1054.3	113.2	26.3	1227.3
01Jun2015	22:30	1031.9	109.8	26.2	1192.7
01Jun2015	22:45	1011.2	106.6	26.1	1160.7
01Jun2015	23:00	992.6	103.6	26.0	1131.0
01Jun2015	23:15	976.0	100.9	25.9	1101.0
01Jun2015	23:30	961.8	98.4	25.8	1074.3
01Jun2015	23:45	949.4	96.2	25.7	1050.4
02Jun2015	00:00	938.3	94.2	25.6	1029.1
02Jun2015	00:15	899.4	92.2	25.5	1007.2
02Jun2015	00:30	819.3	89.4	25.4	978.1
02Jun2015	00:45	699.2	85.3	25.3	935.6
02Jun2015	01:00	608.4	80.1	25.1	881.6
02Jun2015	01:15	551.7	74.5	24.8	825.0
02Jun2015	01:30	507.3	68.9	24.6	770.6
02Jun2015	01:45	469.5	63.6	24.4	719.6
02Jun2015	02:00	436.1	58.6	24.2	672.5
02Jun2015	02:15	406.3	53.9	24.0	628.9
02Jun2015	02:30	379.4	49.7	23.7	566.0
02Jun2015	02:45	354.3	46.1	23.5	513.2
02Jun2015	03:00	329.4	43.1	23.3	469.0
02Jun2015	03:15	306.4	40.4	23.1	431.0
02Jun2015	03:30	285.5	37.9	22.9	397.8
02Jun2015	03:45	266.5	35.7	22.8	368.7
02Jun2015	04:00	249.2	33.7	22.6	342.7
02Jun2015	04:15	233.5	31.9	22.5	319.3
02Jun2015	04:30	219.1	30.2	22.4	298.3
02Jun2015	04:45	206.0	28.6	22.3	279.3
02Jun2015	05:00	192.6	27.1	22.2	261.9
02Jun2015	05:15	180.2	25.7	22.1	245.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	168.8	24.4	22.0	230.8
02Jun2015	05:45	158.4	23.3	21.8	204.8
02Jun2015	06:00	149.0	22.5	21.7	185.2
02Jun2015	06:15	140.3	21.8	21.6	170.1
02Jun2015	06:30	132.4	21.2	21.5	157.6
02Jun2015	06:45	125.0	20.8	21.5	147.1
02Jun2015	07:00	118.3	20.3	21.4	138.0
02Jun2015	07:15	112.1	19.9	21.3	130.0
02Jun2015	07:30	106.3	19.6	21.3	122.8
02Jun2015	07:45	101.0	19.2	21.2	116.3
02Jun2015	08:00	96.0	18.9	21.2	110.3
02Jun2015	08:15	91.4	18.7	21.1	104.8
02Jun2015	08:30	87.1	18.4	21.1	99.7
02Jun2015	08:45	82.8	18.1	21.1	95.0
02Jun2015	09:00	78.7	17.9	21.0	90.5
02Jun2015	09:15	74.8	17.6	21.0	86.2
02Jun2015	09:30	71.2	17.4	21.0	82.1
02Jun2015	09:45	67.8	17.2	20.9	78.3
02Jun2015	10:00	64.7	17.0	20.9	74.6
02Jun2015	10:15	61.7	16.8	20.9	71.2
02Jun2015	10:30	58.9	16.6	20.8	68.0
02Jun2015	10:45	56.3	16.4	20.8	65.0
02Jun2015	11:00	53.9	16.2	20.8	62.2
02Jun2015	11:15	51.6	16.1	20.8	59.5
02Jun2015	11:30	49.4	15.9	20.7	57.0
02Jun2015	11:45	47.4	15.8	20.7	54.6
02Jun2015	12:00	45.5	15.6	20.7	52.4

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

01Jun2015	00:00	90.3	654.2	22.0	29.3
01Jun2015	00:15	183.0	656.4	22.0	29.5
01Jun2015	00:30	159.3	659.4	22.0	29.8
01Jun2015	00:45	112.5	661.5	22.1	30.0
01Jun2015	01:00	86.1	663.0	22.1	30.1
01Jun2015	01:15	70.9	664.0	22.1	30.2
01Jun2015	01:30	61.0	664.7	22.1	30.2
01Jun2015	01:45	54.3	665.3	22.1	30.3
01Jun2015	02:00	49.7	665.7	22.1	30.3
01Jun2015	02:15	47.1	666.1	22.1	30.4
01Jun2015	02:30	45.0	666.4	22.1	30.4
01Jun2015	02:45	43.4	666.7	22.1	30.4
01Jun2015	03:00	42.0	667.0	22.1	30.5
01Jun2015	03:15	42.1	667.2	22.1	30.5
01Jun2015	03:30	41.6	667.4	22.1	30.5
01Jun2015	03:45	40.5	667.7	22.1	30.5
01Jun2015	04:00	41.4	667.9	22.1	30.5
01Jun2015	04:15	41.8	668.1	22.1	30.6
01Jun2015	04:30	43.4	668.3	22.1	30.6
01Jun2015	04:45	44.7	668.6	22.1	30.6
01Jun2015	05:00	46.2	668.9	22.1	30.6
01Jun2015	05:15	49.8	669.3	22.1	30.7
01Jun2015	05:30	53.0	669.7	22.1	30.7
01Jun2015	05:45	57.1	670.2	22.1	30.8
01Jun2015	06:00	61.7	670.8	22.1	30.8

01Jun2015	06:15	84.1	671.7	22.1	30.9
01Jun2015	06:30	96.2	672.9	22.2	31.0
01Jun2015	06:45	107.3	674.4	22.2	31.1
01Jun2015	07:00	121.2	676.1	22.2	31.3
01Jun2015	07:15	143.0	678.2	22.2	31.5
01Jun2015	07:30	166.1	680.7	22.2	31.7
01Jun2015	07:45	192.9	683.8	22.2	31.9
01Jun2015	08:00	223.1	687.4	22.3	32.3
01Jun2015	08:15	262.2	691.7	22.3	32.6
01Jun2015	08:30	297.8	696.8	22.4	33.1
01Jun2015	08:45	328.5	702.6	22.4	33.6
01Jun2015	09:00	357.4	709.0	22.5	34.1
01Jun2015	09:15	396.9	716.1	22.5	34.6
01Jun2015	09:30	435.5	724.0	22.6	35.3
01Jun2015	09:45	478.2	732.7	22.7	36.0
01Jun2015	10:00	524.7	742.3	22.7	36.7
01Jun2015	10:15	583.6	753.0	22.8	37.5
01Jun2015	10:30	641.2	764.8	22.9	38.4
01Jun2015	10:45	699.5	777.9	23.0	39.3
01Jun2015	11:00	770.9	792.2	23.2	40.3
01Jun2015	11:15	849.0	808.1	23.3	41.4
01Jun2015	11:30	910.7	825.4	23.4	42.5
01Jun2015	11:45	996.4	844.3	23.6	43.7
01Jun2015	12:00	1159.2	865.6	23.8	45.1
01Jun2015	12:15	1352.1	890.6	24.0	46.6
01Jun2015	12:30	1541.3	919.5	24.2	48.2
01Jun2015	12:45	1794.7	953.0	24.5	50.0
01Jun2015	13:00	2167.5	992.8	24.8	52.1
01Jun2015	13:15	2642.9	1041.4	25.2	54.5
01Jun2015	13:30	3070.8	1099.3	25.7	57.2
01Jun2015	13:45	3549.8	1166.5	26.2	60.2

01Jun2015	14:00	4117.2	1244.4	26.8	63.3
01Jun2015	14:15	4844.7	1335.6	27.5	66.9
01Jun2015	14:30	5612.3	1442.3	28.3	70.7
01Jun2015	14:45	6504.5	1565.9	29.2	74.8
01Jun2015	15:00	7551.6	1709.5	30.2	79.3
01Jun2015	15:15	9762.2	1886.5	31.5	114.8
01Jun2015	15:30	12167.8	2109.2	33.0	279.3
01Jun2015	15:45	15863.2	2390.6	34.8	480.3
01Jun2015	16:00	21185.2	2759.4	36.8	620.1
01Jun2015	16:15	25944.9	3184.5	38.5	719.9
01Jun2015	16:30	30277.4	3618.9	39.9	792.0
01Jun2015	16:45	32129.4	4032.2	40.9	837.1
01Jun2015	17:00	30860.5	4380.1	41.7	872.6
01Jun2015	17:15	26634.9	4614.5	42.2	893.0
01Jun2015	17:30	21865.9	4727.5	42.4	901.1
01Jun2015	17:45	17310.0	4734.6	42.4	901.6
01Jun2015	18:00	13927.7	4664.7	42.3	896.6
01Jun2015	18:15	11304.8	4547.5	42.1	888.2
01Jun2015	18:30	9459.5	4406.7	41.8	875.3
01Jun2015	18:45	7894.1	4259.6	41.4	860.5
01Jun2015	19:00	6524.4	4111.4	41.1	845.3
01Jun2015	19:15	5288.3	3964.5	40.8	830.0
01Jun2015	19:30	4219.4	3820.6	40.4	814.8
01Jun2015	19:45	3364.9	3682.0	40.1	799.7
01Jun2015	20:00	2787.3	3553.7	39.7	781.6
01Jun2015	20:15	2340.6	3442.0	39.4	763.5
01Jun2015	20:30	2006.8	3345.1	39.0	747.4
01Jun2015	20:45	1784.3	3261.3	38.8	733.2
01Jun2015	21:00	1652.7	3189.2	38.5	720.7
01Jun2015	21:15	1595.6	3127.8	38.3	709.9
01Jun2015	21:30	1539.3	3075.4	38.2	700.5

01Jun2015	21:45	1488.5	3030.2	38.0	692.4
01Jun2015	22:00	1370.1	2991.4	37.8	682.7
01Jun2015	22:15	1361.9	2959.1	37.7	674.4
01Jun2015	22:30	1291.6	2931.9	37.6	667.3
01Jun2015	22:45	1288.8	2909.0	37.5	661.2
01Jun2015	23:00	1226.0	2889.4	37.4	656.0
01Jun2015	23:15	1224.7	2872.5	37.3	651.5
01Jun2015	23:30	1166.1	2857.8	37.2	647.5
01Jun2015	23:45	1168.6	2844.8	37.2	643.9
02Jun2015	00:00	1120.6	2833.4	37.1	640.8
02Jun2015	00:15	1094.7	2822.9	37.1	637.9
02Jun2015	00:30	1027.0	2813.0	37.0	635.2
02Jun2015	00:45	1002.5	2803.5	37.0	632.5
02Jun2015	01:00	918.0	2794.1	36.9	629.9
02Jun2015	01:15	909.4	2785.0	36.9	627.4
02Jun2015	01:30	838.2	2776.2	36.9	624.9
02Jun2015	01:45	750.8	2766.9	36.8	622.3
02Jun2015	02:00	697.5	2757.2	36.8	619.5
02Jun2015	02:15	653.9	2747.6	36.7	616.8
02Jun2015	02:30	598.4	2738.1	36.7	614.0
02Jun2015	02:45	570.3	2728.6	36.6	611.3
02Jun2015	03:00	515.7	2719.2	36.6	608.6
02Jun2015	03:15	470.8	2709.7	36.6	605.8
02Jun2015	03:30	432.4	2700.1	36.5	603.0
02Jun2015	03:45	398.2	2690.6	36.5	600.2
02Jun2015	04:00	369.6	2681.2	36.4	597.4
02Jun2015	04:15	343.5	2671.9	36.4	594.6
02Jun2015	04:30	320.3	2662.7	36.3	591.9
02Jun2015	04:45	299.3	2653.6	36.3	589.2
02Jun2015	05:00	280.4	2644.7	36.3	586.5
02Jun2015	05:15	263.0	2635.8	36.2	583.8

02Jun2015	05:30	246.9	2627.0	36.2	581.1
02Jun2015	05:45	228.6	2618.2	36.1	578.4
02Jun2015	06:00	206.6	2609.3	36.1	575.6
02Jun2015	06:15	186.5	2600.2	36.1	572.8
02Jun2015	06:30	171.2	2591.1	36.0	570.0
02Jun2015	06:45	158.6	2582.0	36.0	566.6
02Jun2015	07:00	147.5	2572.9	35.9	562.9
02Jun2015	07:15	137.4	2563.8	35.9	559.1
02Jun2015	07:30	129.2	2554.8	35.8	555.3
02Jun2015	07:45	120.3	2545.8	35.8	551.5
02Jun2015	08:00	112.8	2536.8	35.7	547.6
02Jun2015	08:15	108.5	2527.8	35.6	543.8
02Jun2015	08:30	101.5	2518.8	35.6	539.8
02Jun2015	08:45	98.6	2509.7	35.5	535.9
02Jun2015	09:00	92.2	2500.7	35.5	531.9
02Jun2015	09:15	89.3	2491.6	35.4	527.8
02Jun2015	09:30	83.8	2482.5	35.4	523.8
02Jun2015	09:45	80.9	2473.4	35.3	519.7
02Jun2015	10:00	76.8	2464.4	35.3	515.5
02Jun2015	10:15	73.3	2455.3	35.2	511.3
02Jun2015	10:30	69.9	2446.3	35.2	507.1
02Jun2015	10:45	66.8	2437.2	35.1	502.9
02Jun2015	11:00	63.8	2428.2	35.1	498.6
02Jun2015	11:15	59.5	2419.3	35.0	494.3
02Jun2015	11:30	57.5	2410.3	34.9	490.0
02Jun2015	11:45	55.1	2401.4	34.9	485.6
02Jun2015	12:00	52.6	2392.5	34.8	481.2

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reach: R-Hemp to South

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.0	0.0
01Jun2015	08:45	0.0	0.0
01Jun2015	09:00	0.0	0.0
01Jun2015	09:15	0.0	0.0
01Jun2015	09:30	0.0	0.0
01Jun2015	09:45	0.0	0.0
01Jun2015	10:00	0.0	0.0
01Jun2015	10:15	0.0	0.0
01Jun2015	10:30	0.0	0.0
01Jun2015	10:45	0.0	0.0
01Jun2015	11:00	0.0	0.0
01Jun2015	11:15	0.0	0.0
01Jun2015	11:30	0.0	0.0
01Jun2015	11:45	0.0	0.0
01Jun2015	12:00	0.0	0.0
01Jun2015	12:15	0.0	0.0
01Jun2015	12:30	0.0	0.0
01Jun2015	12:45	0.0	0.0
01Jun2015	13:00	0.0	0.0
01Jun2015	13:15	0.0	0.0
01Jun2015	13:30	0.0	0.0
01Jun2015	13:45	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	0.0	0.0
01Jun2015	14:15	0.0	0.0
01Jun2015	14:30	0.0	0.0
01Jun2015	14:45	0.0	0.0
01Jun2015	15:00	0.0	0.0
01Jun2015	15:15	0.0	0.0
01Jun2015	15:30	0.0	0.0
01Jun2015	15:45	0.0	0.0
01Jun2015	16:00	557.0	465.3
01Jun2015	16:15	4116.9	3591.9
01Jun2015	16:30	8559.8	8012.4
01Jun2015	16:45	12139.4	11747.4
01Jun2015	17:00	15401.1	15068.9
01Jun2015	17:15	17457.1	17255.4
01Jun2015	17:30	18312.8	18229.9
01Jun2015	17:45	18367.4	18361.7
01Jun2015	18:00	17836.1	17887.1
01Jun2015	18:15	16956.6	17042.4
01Jun2015	18:30	15661.3	15790.9
01Jun2015	18:45	14242.0	14388.1
01Jun2015	19:00	12858.8	13005.5
01Jun2015	19:15	11535.5	11680.4
01Jun2015	19:30	10287.2	10428.7
01Jun2015	19:45	9130.8	9266.7
01Jun2015	20:00	7825.4	7986.0
01Jun2015	20:15	6619.4	6775.7
01Jun2015	20:30	5630.6	5765.5
01Jun2015	20:45	4820.1	4936.4
01Jun2015	21:00	4158.5	4255.5
01Jun2015	21:15	3621.5	3700.6
01Jun2015	21:30	3184.3	3249.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	2823.2	2876.9
01Jun2015	22:00	2423.2	2483.0
01Jun2015	22:15	2098.5	2147.3
01Jun2015	22:30	1839.7	1878.9
01Jun2015	22:45	1630.9	1662.7
01Jun2015	23:00	1460.2	1486.3
01Jun2015	23:15	1318.5	1340.3
01Jun2015	23:30	1199.5	1218.0
01Jun2015	23:45	1098.6	1114.3
02Jun2015	00:00	1012.5	1026.0
02Jun2015	00:15	938.4	950.0
02Jun2015	00:30	872.0	882.5
02Jun2015	00:45	810.8	820.5
02Jun2015	01:00	752.9	762.1
02Jun2015	01:15	698.6	707.3
02Jun2015	01:30	648.1	656.2
02Jun2015	01:45	596.7	605.0
02Jun2015	02:00	545.7	554.0
02Jun2015	02:15	497.4	505.3
02Jun2015	02:30	451.4	459.0
02Jun2015	02:45	408.2	415.4
02Jun2015	03:00	367.5	374.3
02Jun2015	03:15	328.4	335.0
02Jun2015	03:30	291.5	297.7
02Jun2015	03:45	257.0	262.9
02Jun2015	04:00	225.1	230.6
02Jun2015	04:15	196.0	201.0
02Jun2015	04:30	169.4	174.1
02Jun2015	04:45	145.6	149.9
02Jun2015	05:00	125.2	128.9
02Jun2015	05:15	107.5	110.7

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	92.0	94.8
02Jun2015	05:45	77.9	80.5
02Jun2015	06:00	64.9	67.4
02Jun2015	06:15	54.0	56.1
02Jun2015	06:30	44.1	46.0
02Jun2015	06:45	33.7	35.7
02Jun2015	07:00	23.9	25.8
02Jun2015	07:15	15.7	17.4
02Jun2015	07:30	9.3	10.6
02Jun2015	07:45	4.4	5.4
02Jun2015	08:00	1.1	1.8
02Jun2015	08:15	0.0	0.1
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	29.3	107.5	12.0	0.0
01Jun2015	00:15	29.5	108.1	12.0	0.3
01Jun2015	00:30	31.0	108.7	12.1	0.9
01Jun2015	00:45	32.5	109.3	12.1	1.6
01Jun2015	01:00	33.6	109.9	12.1	2.5
01Jun2015	01:15	34.4	110.6	12.1	3.5
01Jun2015	01:30	35.0	111.2	12.2	4.6
01Jun2015	01:45	35.5	111.8	12.2	5.8
01Jun2015	02:00	35.8	112.4	12.2	7.1
01Jun2015	02:15	36.3	113.0	12.2	8.3
01Jun2015	02:30	36.7	113.6	12.3	9.6
01Jun2015	02:45	37.0	114.1	12.3	11.0
01Jun2015	03:00	37.3	114.7	12.3	12.3
01Jun2015	03:15	37.8	115.2	12.3	13.6
01Jun2015	03:30	38.2	115.7	12.4	14.9
01Jun2015	03:45	38.6	116.1	12.4	16.2
01Jun2015	04:00	39.0	116.6	12.4	17.5
01Jun2015	04:15	39.6	117.0	12.4	18.8
01Jun2015	04:30	40.3	117.5	12.4	20.0
01Jun2015	04:45	41.1	117.9	12.5	21.3
01Jun2015	05:00	42.2	118.3	12.5	22.6
01Jun2015	05:15	43.9	118.7	12.5	23.9
01Jun2015	05:30	45.7	119.1	12.5	25.2
01Jun2015	05:45	47.7	119.5	12.5	26.6
01Jun2015	06:00	49.9	120.0	12.6	28.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	56.3	120.5	12.6	29.8
01Jun2015	06:30	61.1	121.1	12.6	31.8
01Jun2015	06:45	66.2	121.7	12.6	34.0
01Jun2015	07:00	72.3	122.4	12.7	36.6
01Jun2015	07:15	80.1	123.2	12.7	39.5
01Jun2015	07:30	87.9	124.1	12.7	42.9
01Jun2015	07:45	96.0	125.0	12.8	46.7
01Jun2015	08:00	104.1	126.1	12.8	51.0
01Jun2015	08:15	113.2	127.2	12.9	55.8
01Jun2015	08:30	121.6	128.5	12.9	61.0
01Jun2015	08:45	130.1	129.7	13.0	66.7
01Jun2015	09:00	138.4	131.1	13.1	72.7
01Jun2015	09:15	148.4	132.5	13.1	79.3
01Jun2015	09:30	157.9	133.9	13.2	86.3
01Jun2015	09:45	167.5	135.4	13.2	93.7
01Jun2015	10:00	177.3	137.0	13.3	101.6
01Jun2015	10:15	189.1	138.6	13.4	110.0
01Jun2015	10:30	200.4	140.2	13.5	118.9
01Jun2015	10:45	211.3	141.9	13.5	128.2
01Jun2015	11:00	221.1	143.6	13.6	137.9
01Jun2015	11:15	233.6	145.4	13.7	148.0
01Jun2015	11:30	246.2	147.2	13.8	158.6
01Jun2015	11:45	259.5	149.0	13.8	169.7
01Jun2015	12:00	273.1	150.9	13.9	181.3
01Jun2015	12:15	297.0	152.9	14.0	193.8
01Jun2015	12:30	322.2	155.1	14.1	207.1
01Jun2015	12:45	352.4	157.7	14.2	222.3
01Jun2015	13:00	385.4	160.5	14.3	239.9
01Jun2015	13:15	438.9	163.9	14.5	261.1
01Jun2015	13:30	500.6	167.9	14.6	287.4
01Jun2015	13:45	579.6	172.8	14.8	320.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	658.9	178.5	15.1	360.8
01Jun2015	14:15	773.6	185.4	15.3	410.7
01Jun2015	14:30	902.9	193.5	15.7	473.3
01Jun2015	14:45	1052.6	203.1	16.0	549.7
01Jun2015	15:00	1178.6	214.0	16.4	632.5
01Jun2015	15:15	1605.5	228.3	17.0	747.7
01Jun2015	15:30	2312.0	245.7	17.6	1410.1
01Jun2015	15:45	3162.3	260.5	18.1	2306.1
01Jun2015	16:00	4466.2	276.8	18.6	3338.2
01Jun2015	16:15	7922.7	305.1	19.4	5480.3
01Jun2015	16:30	12370.0	349.1	20.6	8967.8
01Jun2015	16:45	15848.8	396.5	21.6	12826.8
01Jun2015	17:00	18686.4	435.7	22.4	15948.2
01Jun2015	17:15	20399.2	466.4	23.0	18328.6
01Jun2015	17:30	20880.9	482.8	23.3	19649.4
01Jun2015	17:45	20622.2	486.8	23.4	19980.4
01Jun2015	18:00	19899.5	481.7	23.3	19561.4
01Jun2015	18:15	18817.2	471.3	23.1	18726.1
01Jun2015	18:30	17372.5	457.8	22.8	17651.7
01Jun2015	18:45	15803.8	440.0	22.5	16274.2
01Jun2015	19:00	14287.1	420.8	22.2	14835.4
01Jun2015	19:15	12866.3	402.6	21.8	13354.0
01Jun2015	19:30	11540.9	386.6	21.4	11977.1
01Jun2015	19:45	10321.2	371.7	21.1	10746.6
01Jun2015	20:00	8994.5	356.5	20.7	9537.6
01Jun2015	20:15	7745.2	340.7	20.4	8334.0
01Jun2015	20:30	6703.1	325.5	20.0	7234.2
01Jun2015	20:45	5848.1	313.7	19.7	6208.2
01Jun2015	21:00	5144.8	304.4	19.4	5420.7
01Jun2015	21:15	4570.2	296.6	19.2	4792.2
01Jun2015	21:30	4102.9	289.9	19.0	4279.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	3717.7	284.2	18.8	3859.0
01Jun2015	22:00	3311.5	278.9	18.7	3477.6
01Jun2015	22:15	2963.7	273.6	18.5	3118.2
01Jun2015	22:30	2684.7	268.8	18.4	2810.6
01Jun2015	22:45	2459.4	264.5	18.2	2541.0
01Jun2015	23:00	2275.2	261.0	18.1	2334.9
01Jun2015	23:15	2122.3	258.1	18.1	2167.1
01Jun2015	23:30	1994.0	255.6	18.0	2021.0
01Jun2015	23:45	1885.1	253.7	17.9	1891.8
02Jun2015	00:00	1792.2	252.1	17.8	1791.4
02Jun2015	00:15	1703.5	250.7	17.8	1703.4
02Jun2015	00:30	1620.3	249.4	17.7	1621.2
02Jun2015	00:45	1538.3	248.1	17.7	1542.8
02Jun2015	01:00	1458.6	246.7	17.6	1466.5
02Jun2015	01:15	1383.5	245.4	17.6	1393.4
02Jun2015	01:30	1315.6	244.2	17.6	1325.2
02Jun2015	01:45	1251.0	242.9	17.5	1262.0
02Jun2015	02:00	1189.8	241.8	17.5	1202.4
02Jun2015	02:15	1133.6	240.6	17.4	1146.7
02Jun2015	02:30	1081.4	239.5	17.4	1095.2
02Jun2015	02:45	1033.1	238.4	17.3	1047.5
02Jun2015	03:00	987.9	237.4	17.3	1003.3
02Jun2015	03:15	945.0	236.3	17.3	962.0
02Jun2015	03:30	904.3	235.3	17.2	923.2
02Jun2015	03:45	866.3	234.3	17.2	887.0
02Jun2015	04:00	830.9	233.3	17.2	853.5
02Jun2015	04:15	798.3	232.3	17.1	823.0
02Jun2015	04:30	768.4	231.2	17.1	795.6
02Jun2015	04:45	741.3	230.2	17.0	771.9
02Jun2015	05:00	717.5	229.1	17.0	754.4
02Jun2015	05:15	696.5	227.8	17.0	744.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	677.9	226.5	16.9	732.7
02Jun2015	05:45	660.8	225.0	16.8	720.8
02Jun2015	06:00	644.8	223.5	16.8	708.5
02Jun2015	06:15	630.8	222.0	16.7	696.2
02Jun2015	06:30	617.8	220.5	16.7	684.0
02Jun2015	06:45	604.4	219.0	16.6	672.1
02Jun2015	07:00	591.0	217.5	16.6	660.2
02Jun2015	07:15	578.8	216.0	16.5	648.5
02Jun2015	07:30	568.2	214.6	16.5	637.0
02Jun2015	07:45	559.2	213.1	16.4	626.0
02Jun2015	08:00	551.8	211.8	16.4	615.5
02Jun2015	08:15	546.2	210.5	16.3	605.7
02Jun2015	08:30	542.1	209.3	16.3	596.6
02Jun2015	08:45	538.2	208.3	16.2	588.3
02Jun2015	09:00	534.2	207.3	16.2	580.7
02Jun2015	09:15	530.2	206.3	16.2	573.7
02Jun2015	09:30	526.1	205.5	16.1	567.1
02Jun2015	09:45	522.0	204.6	16.1	560.9
02Jun2015	10:00	517.9	203.9	16.1	555.0
02Jun2015	10:15	513.8	203.1	16.0	549.4
02Jun2015	10:30	509.6	202.4	16.0	544.0
02Jun2015	10:45	505.3	201.7	16.0	538.6
02Jun2015	11:00	501.1	201.0	16.0	533.1
02Jun2015	11:15	496.8	200.4	15.9	527.8
02Jun2015	11:30	492.5	199.7	15.9	522.7
02Jun2015	11:45	488.1	199.1	15.9	517.7
02Jun2015	12:00	483.7	198.5	15.9	512.8

Project: hempstead lake
Simulation Run: 005 8-24-15 pmp 36 hour Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Hemp Lake separate north pon
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 25Aug2015, 10:41:48 Control Specifications: 36 HR Storm-15 min interval

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	179.0	100.6	5.7	34.7
01Jun2015	00:30	85.3	102.4	5.8	54.6
01Jun2015	00:45	49.9	102.6	5.8	57.5
01Jun2015	01:00	34.2	102.3	5.8	54.1
01Jun2015	01:15	26.5	101.9	5.8	49.0
01Jun2015	01:30	22.5	101.4	5.8	43.9
01Jun2015	01:45	20.4	101.0	5.7	39.4
01Jun2015	02:00	19.5	100.7	5.7	35.6
01Jun2015	02:15	19.5	100.4	5.7	32.6
01Jun2015	02:30	19.8	100.1	5.7	30.2
01Jun2015	02:45	20.4	99.9	5.7	28.3
01Jun2015	03:00	21.1	99.8	5.7	27.0
01Jun2015	03:15	22.2	99.7	5.7	26.1
01Jun2015	03:30	23.3	99.6	5.7	25.5
01Jun2015	03:45	24.6	99.6	5.7	25.2
01Jun2015	04:00	25.8	99.6	5.7	25.2
01Jun2015	04:15	27.5	99.6	5.7	25.5
01Jun2015	04:30	29.0	99.7	5.7	26.0
01Jun2015	04:45	32.9	99.8	5.7	26.8
01Jun2015	05:00	39.5	99.9	5.7	28.5
01Jun2015	05:15	50.0	100.2	5.7	31.5
01Jun2015	05:30	65.7	100.7	5.7	36.5
01Jun2015	05:45	85.5	101.5	5.8	44.2
01Jun2015	06:00	108.6	102.4	5.8	55.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	138.1	103.7	5.9	70.9
01Jun2015	06:30	169.0	105.2	5.9	91.0
01Jun2015	06:45	205.7	106.9	6.0	116.1
01Jun2015	07:00	250.1	108.9	6.1	144.1
01Jun2015	07:15	303.0	111.3	6.2	179.4
01Jun2015	07:30	360.6	114.0	6.3	222.6
01Jun2015	07:45	427.0	117.0	6.4	274.1
01Jun2015	08:00	497.2	120.2	6.5	333.9
01Jun2015	08:15	569.8	123.6	6.7	400.8
01Jun2015	08:30	642.4	127.1	6.8	472.9
01Jun2015	08:45	715.1	130.5	7.0	548.2
01Jun2015	09:00	786.7	133.8	7.1	625.2
01Jun2015	09:15	858.6	137.1	7.2	702.6
01Jun2015	09:30	930.6	140.2	7.3	780.1
01Jun2015	09:45	999.5	143.2	7.5	857.6
01Jun2015	10:00	1061.9	146.0	7.6	931.9
01Jun2015	10:15	1135.5	148.7	7.7	1005.0
01Jun2015	10:30	1197.1	151.3	7.8	1077.0
01Jun2015	10:45	1261.1	153.7	7.9	1146.0
01Jun2015	11:00	1334.9	156.2	8.0	1216.1
01Jun2015	11:15	1414.9	158.7	8.1	1284.4
01Jun2015	11:30	1495.3	161.5	8.2	1358.5
01Jun2015	11:45	1557.0	164.2	8.3	1432.3
01Jun2015	12:00	1630.1	166.8	8.4	1504.3
01Jun2015	12:15	1721.3	169.5	8.5	1581.7
01Jun2015	12:30	1822.6	172.5	8.6	1668.8
01Jun2015	12:45	1909.5	175.7	8.7	1760.4
01Jun2015	13:00	2012.9	178.9	8.8	1854.9
01Jun2015	13:15	2149.3	182.4	8.9	1962.9
01Jun2015	13:30	2273.4	186.3	9.1	2083.2
01Jun2015	13:45	2424.6	190.4	9.2	2213.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2565.0	194.8	9.4	2354.1
01Jun2015	14:15	2758.0	199.5	9.6	2510.0
01Jun2015	14:30	2932.0	204.7	9.7	2682.7
01Jun2015	14:45	3405.9	211.9	10.0	2932.5
01Jun2015	15:00	5051.7	229.6	10.6	3741.9
01Jun2015	15:15	7288.9	258.4	11.5	5516.0
01Jun2015	15:30	9933.1	292.0	12.5	7916.9
01Jun2015	15:45	14354.6	335.2	13.8	11368.2
01Jun2015	16:00	19265.7	388.7	15.3	15897.2
01Jun2015	16:15	24421.0	449.0	16.6	20575.4
01Jun2015	16:30	29473.3	518.6	17.9	25502.9
01Jun2015	16:45	33315.8	595.0	18.9	29271.5
01Jun2015	17:00	35658.6	662.4	19.7	32663.1
01Jun2015	17:15	36181.4	705.3	20.2	34656.8
01Jun2015	17:30	35526.1	722.8	20.3	35353.0
01Jun2015	17:45	34888.7	720.7	20.3	35268.1
01Jun2015	18:00	32532.9	698.5	20.1	34389.9
01Jun2015	18:15	29523.3	654.0	19.6	32232.6
01Jun2015	18:30	26958.7	602.4	19.0	29634.5
01Jun2015	18:45	24350.4	550.4	18.3	27099.3
01Jun2015	19:00	21557.0	499.0	17.6	24075.9
01Jun2015	19:15	19058.1	457.8	16.8	21175.1
01Jun2015	19:30	16712.8	420.9	16.1	18694.4
01Jun2015	19:45	14849.8	392.5	15.4	16233.1
01Jun2015	20:00	13184.0	371.0	14.8	14353.1
01Jun2015	20:15	11666.5	351.8	14.3	12745.3
01Jun2015	20:30	10370.5	334.5	13.8	11302.7
01Jun2015	20:45	9233.9	319.5	13.4	10052.8
01Jun2015	21:00	8269.0	306.0	13.0	8979.4
01Jun2015	21:15	7495.0	294.4	12.6	8091.1
01Jun2015	21:30	6864.2	284.5	12.3	7366.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	6338.5	276.0	12.1	6769.4
01Jun2015	22:00	5849.6	268.0	11.8	6191.8
01Jun2015	22:15	5414.8	261.3	11.6	5716.9
01Jun2015	22:30	4951.3	254.9	11.4	5274.4
01Jun2015	22:45	4601.9	248.7	11.2	4872.2
01Jun2015	23:00	4256.3	243.2	11.0	4523.6
01Jun2015	23:15	3907.2	237.5	10.8	4186.1
01Jun2015	23:30	3674.9	232.4	10.7	3894.1
01Jun2015	23:45	3341.7	227.3	10.5	3619.4
02Jun2015	00:00	3132.8	222.0	10.3	3359.8
02Jun2015	00:15	2832.4	216.7	10.2	3119.5
02Jun2015	00:30	2634.9	211.0	10.0	2901.3
02Jun2015	00:45	2345.8	204.8	9.7	2685.6
02Jun2015	01:00	2184.5	198.5	9.5	2474.1
02Jun2015	01:15	1993.1	192.6	9.3	2284.0
02Jun2015	01:30	1819.4	186.9	9.1	2101.2
02Jun2015	01:45	1667.5	181.3	8.9	1928.1
02Jun2015	02:00	1533.7	176.1	8.7	1773.1
02Jun2015	02:15	1415.0	171.4	8.5	1634.6
02Jun2015	02:30	1326.3	167.2	8.4	1514.7
02Jun2015	02:45	1224.4	163.3	8.3	1408.0
02Jun2015	03:00	1097.0	159.3	8.1	1300.0
02Jun2015	03:15	1046.7	155.6	8.0	1200.7
02Jun2015	03:30	1026.5	153.0	7.9	1125.3
02Jun2015	03:45	941.8	150.8	7.8	1061.5
02Jun2015	04:00	888.9	148.4	7.7	996.5
02Jun2015	04:15	849.7	146.4	7.6	940.8
02Jun2015	04:30	817.3	144.6	7.5	894.4
02Jun2015	04:45	788.8	143.1	7.5	855.4
02Jun2015	05:00	768.1	141.9	7.4	822.9
02Jun2015	05:15	754.0	140.9	7.4	797.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	742.1	140.1	7.3	776.7
02Jun2015	05:45	728.6	139.4	7.3	759.6
02Jun2015	06:00	716.1	138.8	7.3	744.3
02Jun2015	06:15	702.5	138.2	7.3	730.1
02Jun2015	06:30	690.4	137.6	7.2	716.4
02Jun2015	06:45	677.4	137.1	7.2	703.3
02Jun2015	07:00	665.7	136.6	7.2	690.5
02Jun2015	07:15	653.1	136.1	7.2	678.1
02Jun2015	07:30	641.9	135.6	7.2	665.9
02Jun2015	07:45	630.0	135.1	7.1	654.0
02Jun2015	08:00	619.7	134.6	7.1	642.5
02Jun2015	08:15	609.0	134.1	7.1	631.5
02Jun2015	08:30	600.2	133.7	7.1	621.0
02Jun2015	08:45	591.1	133.2	7.1	611.1
02Jun2015	09:00	583.8	132.9	7.1	602.0
02Jun2015	09:15	576.0	132.5	7.0	593.5
02Jun2015	09:30	569.7	132.1	7.0	585.5
02Jun2015	09:45	562.9	131.8	7.0	578.2
02Jun2015	10:00	557.3	131.5	7.0	571.3
02Jun2015	10:15	551.1	131.2	7.0	564.8
02Jun2015	10:30	546.1	131.0	7.0	558.7
02Jun2015	10:45	540.2	130.7	7.0	552.8
02Jun2015	11:00	535.2	130.4	7.0	547.1
02Jun2015	11:15	529.3	130.2	6.9	541.5
02Jun2015	11:30	524.6	130.0	6.9	536.1
02Jun2015	11:45	519.1	129.7	6.9	530.7
02Jun2015	12:00	514.6	129.5	6.9	525.6

Summary of HEC-HMS Peak Flows Proposed Conditions 8/28/2015

Storm Frequency	Location	Time Hr: Min	Peak Inflow CFS	Peak Outflow CFS	Time Hr: Min
5 year	Mill Creek into NE Pond	13:00	1744	1760	13:00
5 year	NW Pond Outlet	12:45	2213	1095	13:45
5 year	Hempstead Lake Outlet	14:00	1144	127	25:00
5 year	South Pond Outlet	13:00	233	128	15:00
5 year	Smith Pond Outlet	13:45	1425	1335	14:15
25 year	Mill Creek into NE Pond	12:45	3051	2901	12:45
25 year	NW Pond Outlet	12:45	3752	2050	13:45
25 year	Hempstead Lake Outlet	13:45	2139	210	24:15
25 year	South Pond Outlet	13:30	350	230	22:45
25 year	Smith Pond Outlet	14:00	2057	2004	14:30
100 year	Mill Creek into NE Pond	12:45	4335	4159	12:45
100 year	NW Pond Outlet	12:45	5394	3614	13:30
100 year	Hempstead Lake Outlet	13:30	3739	270	24:15
100 year	South Pond Outlet	13:00	604	327	15:15
100 year	Smith Pond Outlet	14:15	2513	2482	14:45
PMP full	Mill Creek into NE Pond	16:15	25711	25414	16:15
PMP full	NW Pond Outlet	16:15	33755	30989	16:30
PMP full	Hempstead Lake Outlet	16:30	32275	1277	17:30
PMP full	Hempstead Lake Overtop	17:30	17312	17268	17:30
PMP full	South Pond Outlet	17:30	20296	19446	17:30
PMP full	Smith Pond Outlet	17:15	36435	35444	17:30
1/2 PMP	Mill Creek into NE Pond	16:15	12856	12707	16:15
1/2 PMP	NW Pond Outlet	16:15	16878	15495	16:30
1/2 PMP	Hempstead Lake Outlet	16:30	16138	639	17:30
1/2 PMP	Hempstead Lake Overtop	17:30	8656	8634	17:30
1/2 PMP	South Pond Outlet	17:30	10148	9723	17:30
1/2 PMP	Smith Pond Outlet	17:15	18218	17722	17:30

Project: hempstead lake
Simulation Run: 009 5 year proposed Reach: Open Channel to N Pond

Start of Run:	01Jun2015, 00:00	Basin Model:	Proposed Hemp Lake
End of Run:	02Jun2015, 12:00	Meteorologic Model:	5 year
Compute Time:	28Aug2015, 16:20:29	Control Specifications:	36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.0	0.0
01Jun2015	08:45	0.0	0.0
01Jun2015	09:00	0.0	0.0
01Jun2015	09:15	0.0	0.0
01Jun2015	09:30	0.0	0.0
01Jun2015	09:45	0.4	0.3
01Jun2015	10:00	1.8	1.0
01Jun2015	10:15	5.7	3.5
01Jun2015	10:30	13.6	9.1
01Jun2015	10:45	26.1	19.0
01Jun2015	11:00	43.5	33.6
01Jun2015	11:15	66.7	53.6
01Jun2015	11:30	99.1	80.8
01Jun2015	11:45	160.6	126.0
01Jun2015	12:00	351.3	255.8
01Jun2015	12:15	855.0	644.1
01Jun2015	12:30	1497.5	1254.1
01Jun2015	12:45	1831.0	1712.9
01Jun2015	13:00	1743.7	1760.4
01Jun2015	13:15	1441.5	1541.1
01Jun2015	13:30	1125.6	1239.8
01Jun2015	13:45	879.6	975.6

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	707.3	778.3
01Jun2015	14:15	589.5	641.0
01Jun2015	14:30	506.9	544.1
01Jun2015	14:45	447.5	475.4
01Jun2015	15:00	403.4	424.6
01Jun2015	15:15	369.0	385.9
01Jun2015	15:30	340.4	354.7
01Jun2015	15:45	315.2	328.0
01Jun2015	16:00	291.8	303.9
01Jun2015	16:15	269.6	281.2
01Jun2015	16:30	248.8	259.9
01Jun2015	16:45	230.4	240.5
01Jun2015	17:00	214.5	223.4
01Jun2015	17:15	201.1	208.8
01Jun2015	17:30	189.4	196.2
01Jun2015	17:45	178.8	185.0
01Jun2015	18:00	168.6	174.6
01Jun2015	18:15	158.6	164.5
01Jun2015	18:30	149.1	154.7
01Jun2015	18:45	141.1	145.8
01Jun2015	19:00	134.9	138.6
01Jun2015	19:15	130.1	132.9
01Jun2015	19:30	125.9	128.3
01Jun2015	19:45	122.2	124.3
01Jun2015	20:00	118.8	120.8
01Jun2015	20:15	115.9	117.6
01Jun2015	20:30	113.3	114.8
01Jun2015	20:45	110.5	112.1
01Jun2015	21:00	107.6	109.3
01Jun2015	21:15	104.8	106.4
01Jun2015	21:30	102.2	103.7

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	100.1	101.3
01Jun2015	22:00	98.2	99.3
01Jun2015	22:15	96.3	97.4
01Jun2015	22:30	94.2	95.4
01Jun2015	22:45	91.9	93.3
01Jun2015	23:00	89.5	90.9
01Jun2015	23:15	87.0	88.4
01Jun2015	23:30	84.7	86.0
01Jun2015	23:45	82.5	83.8
02Jun2015	00:00	80.5	81.7
02Jun2015	00:15	75.8	78.4
02Jun2015	00:30	64.3	70.7
02Jun2015	00:45	47.8	57.1
02Jun2015	01:00	31.4	40.9
02Jun2015	01:15	18.8	26.2
02Jun2015	01:30	10.6	15.6
02Jun2015	01:45	5.8	8.8
02Jun2015	02:00	3.2	4.9
02Jun2015	02:15	1.6	2.7
02Jun2015	02:30	0.8	1.4
02Jun2015	02:45	0.4	0.7
02Jun2015	03:00	0.2	0.3
02Jun2015	03:15	0.1	0.1
02Jun2015	03:30	0.0	0.0
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 009 5 year proposed Reservoir: Combined North Ponds

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 28Aug2015, 16:20:29 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	37.1	22.0	104.0
01Jun2015	00:15	0.0	35.1	21.9	87.8
01Jun2015	00:30	0.0	33.5	21.8	74.9
01Jun2015	00:45	0.0	32.0	21.7	64.3
01Jun2015	01:00	0.0	30.8	21.7	55.7
01Jun2015	01:15	0.2	29.7	21.6	48.5
01Jun2015	01:30	0.5	28.8	21.6	42.6
01Jun2015	01:45	0.8	28.0	21.5	37.6
01Jun2015	02:00	1.0	27.3	21.5	33.4
01Jun2015	02:15	1.3	26.6	21.4	29.8
01Jun2015	02:30	1.5	26.1	21.4	26.8
01Jun2015	02:45	1.8	25.6	21.4	24.2
01Jun2015	03:00	2.0	25.1	21.4	22.0
01Jun2015	03:15	2.2	24.8	21.3	20.1
01Jun2015	03:30	2.4	24.4	21.3	18.4
01Jun2015	03:45	2.7	24.1	21.3	16.9
01Jun2015	04:00	2.9	23.8	21.3	15.7
01Jun2015	04:15	3.1	23.6	21.3	14.6
01Jun2015	04:30	3.3	23.3	21.3	13.6
01Jun2015	04:45	3.5	23.1	21.2	12.7
01Jun2015	05:00	3.7	23.0	21.2	12.0
01Jun2015	05:15	4.0	22.8	21.2	11.3
01Jun2015	05:30	4.1	22.7	21.2	10.8
01Jun2015	05:45	4.3	22.5	21.2	10.3
01Jun2015	06:00	4.5	22.4	21.2	9.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	4.7	22.3	21.2	9.4
01Jun2015	06:30	5.1	22.2	21.2	9.1
01Jun2015	06:45	5.6	22.1	21.2	8.8
01Jun2015	07:00	6.1	22.1	21.2	8.6
01Jun2015	07:15	6.5	22.0	21.2	8.4
01Jun2015	07:30	7.0	22.0	21.2	8.3
01Jun2015	07:45	7.4	22.0	21.2	8.2
01Jun2015	08:00	8.0	22.0	21.2	8.2
01Jun2015	08:15	8.5	22.0	21.2	8.2
01Jun2015	08:30	9.5	22.0	21.2	8.2
01Jun2015	08:45	10.5	22.0	21.2	8.4
01Jun2015	09:00	11.6	22.1	21.2	8.6
01Jun2015	09:15	12.5	22.1	21.2	8.8
01Jun2015	09:30	13.5	22.2	21.2	9.1
01Jun2015	09:45	15.0	22.3	21.2	9.5
01Jun2015	10:00	17.2	22.5	21.2	10.0
01Jun2015	10:15	22.2	22.7	21.2	10.8
01Jun2015	10:30	31.7	23.0	21.2	12.1
01Jun2015	10:45	46.7	23.5	21.3	14.3
01Jun2015	11:00	67.4	24.4	21.3	18.1
01Jun2015	11:15	96.8	25.6	21.4	24.4
01Jun2015	11:30	138.4	27.4	21.5	34.4
01Jun2015	11:45	232.3	30.4	21.6	52.7
01Jun2015	12:00	515.0	36.5	22.0	99.0
01Jun2015	12:15	1068.8	50.2	22.3	156.9
01Jun2015	12:30	1751.2	74.9	22.9	274.5
01Jun2015	12:45	2212.7	108.0	23.7	493.9
01Jun2015	13:00	2198.5	140.8	24.4	732.9
01Jun2015	13:15	1894.0	166.0	24.9	920.3
01Jun2015	13:30	1517.6	180.9	25.1	1041.8
01Jun2015	13:45	1197.9	186.9	25.3	1094.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	962.6	186.6	25.2	1092.1
01Jun2015	14:15	799.2	182.6	25.2	1056.6
01Jun2015	14:30	683.8	176.7	25.1	1005.5
01Jun2015	14:45	601.4	169.8	24.9	949.9
01Jun2015	15:00	540.1	162.5	24.8	893.8
01Jun2015	15:15	492.8	155.3	24.7	839.0
01Jun2015	15:30	454.2	148.3	24.5	787.2
01Jun2015	15:45	420.6	141.6	24.4	738.6
01Jun2015	16:00	389.7	135.2	24.3	693.4
01Jun2015	16:15	360.7	129.0	24.2	651.2
01Jun2015	16:30	333.5	123.2	24.1	611.8
01Jun2015	16:45	308.9	117.6	23.9	570.4
01Jun2015	17:00	287.4	112.4	23.8	528.4
01Jun2015	17:15	269.0	107.6	23.7	490.8
01Jun2015	17:30	253.0	103.2	23.6	457.4
01Jun2015	17:45	238.7	99.2	23.5	427.5
01Jun2015	18:00	225.1	95.4	23.4	400.7
01Jun2015	18:15	212.0	91.9	23.3	376.5
01Jun2015	18:30	199.6	88.6	23.2	354.6
01Jun2015	18:45	188.6	85.5	23.2	334.7
01Jun2015	19:00	179.7	82.6	23.1	316.7
01Jun2015	19:15	172.7	79.9	23.0	300.7
01Jun2015	19:30	166.9	77.3	23.0	286.9
01Jun2015	19:45	161.8	74.9	22.9	274.3
01Jun2015	20:00	157.3	72.6	22.9	262.7
01Jun2015	20:15	153.4	70.5	22.8	252.0
01Jun2015	20:30	149.7	68.6	22.8	242.1
01Jun2015	20:45	146.1	66.7	22.7	233.0
01Jun2015	21:00	142.4	65.0	22.7	224.5
01Jun2015	21:15	138.7	63.3	22.6	216.5
01Jun2015	21:30	135.3	61.7	22.6	209.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	132.3	60.3	22.6	202.0
01Jun2015	22:00	129.7	58.9	22.5	195.5
01Jun2015	22:15	127.1	57.5	22.5	189.4
01Jun2015	22:30	124.5	56.3	22.5	183.7
01Jun2015	22:45	121.6	55.1	22.4	178.3
01Jun2015	23:00	118.4	53.9	22.4	173.1
01Jun2015	23:15	115.2	52.8	22.4	168.2
01Jun2015	23:30	112.1	51.7	22.4	163.5
01Jun2015	23:45	109.3	50.7	22.3	158.9
02Jun2015	00:00	106.4	49.7	22.3	154.6
02Jun2015	00:15	99.4	48.7	22.3	150.2
02Jun2015	00:30	87.3	47.5	22.3	145.5
02Jun2015	00:45	68.7	46.2	22.2	139.9
02Jun2015	01:00	48.1	44.6	22.2	133.3
02Jun2015	01:15	30.4	42.7	22.1	125.7
02Jun2015	01:30	17.9	40.7	22.1	117.8
02Jun2015	01:45	10.1	38.6	22.0	109.8
02Jun2015	02:00	5.6	36.6	22.0	99.9
02Jun2015	02:15	3.0	34.8	21.9	85.2
02Jun2015	02:30	1.6	33.2	21.8	73.1
02Jun2015	02:45	0.8	31.8	21.7	63.0
02Jun2015	03:00	0.3	30.6	21.7	54.7
02Jun2015	03:15	0.2	29.6	21.6	47.7
02Jun2015	03:30	0.1	28.7	21.5	41.8
02Jun2015	03:45	0.0	27.9	21.5	36.9
02Jun2015	04:00	0.0	27.1	21.5	32.7
02Jun2015	04:15	0.0	26.5	21.4	29.1
02Jun2015	04:30	0.0	25.9	21.4	26.1
02Jun2015	04:45	0.0	25.4	21.4	23.4
02Jun2015	05:00	0.0	25.0	21.3	21.1
02Jun2015	05:15	0.0	24.6	21.3	19.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	0.0	24.2	21.3	17.3
02Jun2015	05:45	0.0	23.8	21.3	15.8
02Jun2015	06:00	0.0	23.5	21.3	14.4
02Jun2015	06:15	0.0	23.2	21.3	13.2
02Jun2015	06:30	0.0	23.0	21.2	12.1
02Jun2015	06:45	0.0	22.7	21.2	11.1
02Jun2015	07:00	0.0	22.5	21.2	10.2
02Jun2015	07:15	0.0	22.3	21.2	9.5
02Jun2015	07:30	0.0	22.1	21.2	8.8
02Jun2015	07:45	0.0	22.0	21.2	8.1
02Jun2015	08:00	0.0	21.8	21.2	7.5
02Jun2015	08:15	0.0	21.6	21.2	7.0
02Jun2015	08:30	0.0	21.5	21.2	6.6
02Jun2015	08:45	0.0	21.4	21.2	6.1
02Jun2015	09:00	0.0	21.2	21.1	5.7
02Jun2015	09:15	0.0	21.1	21.1	5.4
02Jun2015	09:30	0.0	21.0	21.1	5.0
02Jun2015	09:45	0.0	20.9	21.1	4.7
02Jun2015	10:00	0.0	20.8	21.1	4.4
02Jun2015	10:15	0.0	20.7	21.1	4.2
02Jun2015	10:30	0.0	20.7	21.1	3.9
02Jun2015	10:45	0.0	20.6	21.1	3.7
02Jun2015	11:00	0.0	20.5	21.1	3.5
02Jun2015	11:15	0.0	20.4	21.1	3.3
02Jun2015	11:30	0.0	20.4	21.1	3.2
02Jun2015	11:45	0.0	20.3	21.1	3.0
02Jun2015	12:00	0.0	20.2	21.1	2.8

Project: hempstead lake
Simulation Run: 009 5 year proposed Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 28Aug2015, 16:20:29 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	264.0	18.0	18.1
01Jun2015	00:15	95.9	264.7	18.0	18.4
01Jun2015	00:30	81.4	266.1	18.0	18.9
01Jun2015	00:45	69.6	267.3	18.0	19.4
01Jun2015	01:00	60.0	268.2	18.0	19.8
01Jun2015	01:15	52.4	268.9	18.1	20.0
01Jun2015	01:30	46.3	269.6	18.1	20.3
01Jun2015	01:45	41.2	270.0	18.1	20.5
01Jun2015	02:00	37.0	270.4	18.1	20.6
01Jun2015	02:15	33.5	270.7	18.1	20.7
01Jun2015	02:30	30.6	271.0	18.1	20.8
01Jun2015	02:45	28.1	271.1	18.1	20.9
01Jun2015	03:00	26.1	271.3	18.1	20.9
01Jun2015	03:15	24.3	271.3	18.1	20.9
01Jun2015	03:30	22.8	271.4	18.1	20.9
01Jun2015	03:45	21.6	271.4	18.1	21.0
01Jun2015	04:00	20.6	271.4	18.1	21.0
01Jun2015	04:15	19.3	271.4	18.1	21.0
01Jun2015	04:30	18.8	271.4	18.1	20.9
01Jun2015	04:45	18.1	271.3	18.1	20.9
01Jun2015	05:00	17.6	271.3	18.1	20.9
01Jun2015	05:15	17.3	271.2	18.1	20.9
01Jun2015	05:30	17.0	271.1	18.1	20.8
01Jun2015	05:45	16.7	271.0	18.1	20.8
01Jun2015	06:00	16.5	270.9	18.1	20.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	16.5	270.8	18.1	20.7
01Jun2015	06:30	16.7	270.8	18.1	20.7
01Jun2015	06:45	17.1	270.7	18.1	20.7
01Jun2015	07:00	17.6	270.6	18.1	20.7
01Jun2015	07:15	18.0	270.6	18.1	20.6
01Jun2015	07:30	18.6	270.5	18.1	20.6
01Jun2015	07:45	19.1	270.5	18.1	20.6
01Jun2015	08:00	19.9	270.4	18.1	20.6
01Jun2015	08:15	20.7	270.4	18.1	20.6
01Jun2015	08:30	22.2	270.5	18.1	20.6
01Jun2015	08:45	23.7	270.5	18.1	20.6
01Jun2015	09:00	25.5	270.6	18.1	20.7
01Jun2015	09:15	27.1	270.7	18.1	20.7
01Jun2015	09:30	28.9	270.9	18.1	20.8
01Jun2015	09:45	30.9	271.0	18.1	20.8
01Jun2015	10:00	32.8	271.3	18.1	20.9
01Jun2015	10:15	35.6	271.5	18.1	21.0
01Jun2015	10:30	39.4	271.9	18.1	21.1
01Jun2015	10:45	44.2	272.3	18.1	21.3
01Jun2015	11:00	50.3	272.8	18.1	21.5
01Jun2015	11:15	61.6	273.6	18.1	21.7
01Jun2015	11:30	80.3	274.6	18.1	22.1
01Jun2015	11:45	144.2	276.4	18.1	22.7
01Jun2015	12:00	322.7	280.8	18.2	24.1
01Jun2015	12:15	421.9	287.9	18.3	26.2
01Jun2015	12:30	400.5	295.9	18.4	28.4
01Jun2015	12:45	499.3	304.6	18.5	30.6
01Jun2015	13:00	703.6	316.3	18.6	33.4
01Jun2015	13:15	902.1	332.2	18.8	36.8
01Jun2015	13:30	1046.0	351.5	19.0	40.6
01Jun2015	13:45	1125.1	373.1	19.3	44.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1143.8	395.5	19.5	48.1
01Jun2015	14:15	1108.1	417.8	19.8	51.4
01Jun2015	14:30	1072.9	439.2	20.0	54.4
01Jun2015	14:45	1016.3	459.7	20.2	56.7
01Jun2015	15:00	957.9	478.9	20.4	58.7
01Jun2015	15:15	899.9	496.8	20.5	60.5
01Jun2015	15:30	844.2	513.6	20.7	62.2
01Jun2015	15:45	791.0	529.2	20.8	63.7
01Jun2015	16:00	741.8	543.7	21.0	65.1
01Jun2015	16:15	696.3	557.2	21.1	66.3
01Jun2015	16:30	654.0	569.7	21.2	67.4
01Jun2015	16:45	612.3	581.4	21.3	68.5
01Jun2015	17:00	569.4	592.2	21.4	69.4
01Jun2015	17:15	528.6	602.1	21.5	70.3
01Jun2015	17:30	492.6	611.2	21.6	71.1
01Jun2015	17:45	459.3	619.5	21.7	71.8
01Jun2015	18:00	429.3	627.2	21.8	72.4
01Jun2015	18:15	403.0	634.3	21.8	73.0
01Jun2015	18:30	379.5	640.9	21.9	73.6
01Jun2015	18:45	358.2	647.0	21.9	74.1
01Jun2015	19:00	338.9	652.5	22.0	87.9
01Jun2015	19:15	321.4	657.4	22.0	95.0
01Jun2015	19:30	306.3	661.9	22.1	99.8
01Jun2015	19:45	292.8	666.0	22.1	103.5
01Jun2015	20:00	280.5	669.8	22.1	106.6
01Jun2015	20:15	269.2	673.2	22.2	109.3
01Jun2015	20:30	258.5	676.4	22.2	111.5
01Jun2015	20:45	250.6	679.3	22.2	113.6
01Jun2015	21:00	239.6	682.0	22.2	115.3
01Jun2015	21:15	232.7	684.5	22.3	116.9
01Jun2015	21:30	223.2	686.8	22.3	118.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	211.0	688.8	22.3	119.5
01Jun2015	22:00	207.6	690.6	22.3	120.6
01Jun2015	22:15	198.9	692.3	22.3	121.6
01Jun2015	22:30	194.4	693.9	22.3	122.5
01Jun2015	22:45	187.8	695.3	22.3	123.3
01Jun2015	23:00	182.9	696.6	22.4	124.0
01Jun2015	23:15	177.4	697.7	22.4	124.6
01Jun2015	23:30	172.7	698.8	22.4	125.2
01Jun2015	23:45	167.8	699.7	22.4	125.7
02Jun2015	00:00	163.2	700.5	22.4	126.1
02Jun2015	00:15	155.2	701.2	22.4	126.5
02Jun2015	00:30	149.1	701.7	22.4	126.7
02Jun2015	00:45	142.6	702.1	22.4	126.9
02Jun2015	01:00	135.3	702.3	22.4	127.1
02Jun2015	01:15	127.4	702.4	22.4	127.1
02Jun2015	01:30	122.8	702.4	22.4	127.1
02Jun2015	01:45	114.0	702.2	22.4	127.0
02Jun2015	02:00	105.0	701.9	22.4	126.8
02Jun2015	02:15	92.7	701.3	22.4	126.5
02Jun2015	02:30	79.2	700.4	22.4	126.1
02Jun2015	02:45	68.1	699.4	22.4	125.5
02Jun2015	03:00	58.9	698.1	22.4	124.8
02Jun2015	03:15	51.2	696.7	22.4	124.0
02Jun2015	03:30	44.7	695.1	22.3	123.2
02Jun2015	03:45	39.3	693.4	22.3	122.2
02Jun2015	04:00	34.8	691.7	22.3	121.2
02Jun2015	04:15	30.9	689.9	22.3	120.2
02Jun2015	04:30	27.6	688.0	22.3	119.1
02Jun2015	04:45	24.7	686.1	22.3	117.9
02Jun2015	05:00	22.2	684.2	22.3	116.7
02Jun2015	05:15	20.1	682.2	22.2	115.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	18.2	680.2	22.2	114.2
02Jun2015	05:45	16.5	678.2	22.2	112.8
02Jun2015	06:00	15.1	676.2	22.2	111.5
02Jun2015	06:15	13.8	674.3	22.2	110.0
02Jun2015	06:30	12.6	672.3	22.2	108.6
02Jun2015	06:45	11.6	670.3	22.1	107.1
02Jun2015	07:00	10.7	668.3	22.1	105.5
02Jun2015	07:15	9.6	666.4	22.1	103.9
02Jun2015	07:30	9.0	664.4	22.1	102.2
02Jun2015	07:45	8.3	662.5	22.1	100.4
02Jun2015	08:00	7.7	660.6	22.1	98.5
02Jun2015	08:15	7.2	658.8	22.0	96.5
02Jun2015	08:30	6.7	656.9	22.0	94.4
02Jun2015	08:45	6.3	655.1	22.0	92.2
02Jun2015	09:00	5.9	653.4	22.0	89.5
02Jun2015	09:15	5.5	651.7	22.0	86.3
02Jun2015	09:30	5.2	650.1	22.0	82.1
02Jun2015	09:45	4.8	648.6	21.9	74.2
02Jun2015	10:00	4.6	647.1	21.9	74.1
02Jun2015	10:15	4.3	645.7	21.9	74.0
02Jun2015	10:30	4.0	644.2	21.9	73.9
02Jun2015	10:45	3.8	642.8	21.9	73.7
02Jun2015	11:00	3.6	641.4	21.9	73.6
02Jun2015	11:15	3.4	639.9	21.9	73.5
02Jun2015	11:30	3.2	638.5	21.9	73.4
02Jun2015	11:45	3.1	637.0	21.8	73.3
02Jun2015	12:00	2.9	635.6	21.8	73.1

Project: hempstead lake
Simulation Run: 009 5 year proposed Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 28Aug2015, 16:20:29 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	18.1	107.5	12.0	0.0
01Jun2015	00:15	18.3	107.8	12.0	0.1
01Jun2015	00:30	18.9	108.2	12.0	0.4
01Jun2015	00:45	19.3	108.6	12.1	0.8
01Jun2015	01:00	19.7	109.0	12.1	1.2
01Jun2015	01:15	20.1	109.4	12.1	1.7
01Jun2015	01:30	20.4	109.7	12.1	2.2
01Jun2015	01:45	20.7	110.1	12.1	2.7
01Jun2015	02:00	20.9	110.5	12.1	3.3
01Jun2015	02:15	21.1	110.8	12.2	3.9
01Jun2015	02:30	21.3	111.2	12.2	4.6
01Jun2015	02:45	21.4	111.5	12.2	5.2
01Jun2015	03:00	21.6	111.9	12.2	5.8
01Jun2015	03:15	21.7	112.2	12.2	6.5
01Jun2015	03:30	21.8	112.5	12.2	7.1
01Jun2015	03:45	21.9	112.8	12.2	7.8
01Jun2015	04:00	21.9	113.1	12.2	8.4
01Jun2015	04:15	22.0	113.3	12.3	9.0
01Jun2015	04:30	22.1	113.6	12.3	9.7
01Jun2015	04:45	22.2	113.9	12.3	10.3
01Jun2015	05:00	22.2	114.1	12.3	10.8
01Jun2015	05:15	22.3	114.3	12.3	11.4
01Jun2015	05:30	22.3	114.5	12.3	12.0
01Jun2015	05:45	22.4	114.8	12.3	12.5
01Jun2015	06:00	22.4	115.0	12.3	13.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	22.5	115.1	12.3	13.5
01Jun2015	06:30	22.6	115.3	12.4	14.0
01Jun2015	06:45	22.7	115.5	12.4	14.4
01Jun2015	07:00	22.9	115.7	12.4	14.9
01Jun2015	07:15	23.1	115.8	12.4	15.3
01Jun2015	07:30	23.2	116.0	12.4	15.8
01Jun2015	07:45	23.4	116.1	12.4	16.2
01Jun2015	08:00	23.6	116.3	12.4	16.6
01Jun2015	08:15	23.9	116.4	12.4	17.0
01Jun2015	08:30	24.3	116.6	12.4	17.4
01Jun2015	08:45	24.7	116.7	12.4	17.8
01Jun2015	09:00	25.2	116.9	12.4	18.2
01Jun2015	09:15	25.6	117.0	12.4	18.7
01Jun2015	09:30	26.2	117.1	12.4	19.1
01Jun2015	09:45	26.7	117.3	12.4	19.5
01Jun2015	10:00	27.3	117.4	12.4	20.0
01Jun2015	10:15	28.1	117.6	12.5	20.5
01Jun2015	10:30	29.2	117.8	12.5	21.0
01Jun2015	10:45	30.5	117.9	12.5	21.5
01Jun2015	11:00	32.0	118.1	12.5	22.1
01Jun2015	11:15	34.6	118.4	12.5	22.8
01Jun2015	11:30	38.8	118.6	12.5	23.7
01Jun2015	11:45	53.5	119.1	12.5	25.1
01Jun2015	12:00	96.5	120.1	12.6	28.4
01Jun2015	12:15	135.5	121.8	12.6	34.5
01Jun2015	12:30	169.4	124.2	12.7	43.3
01Jun2015	12:45	209.3	127.1	12.9	55.0
01Jun2015	13:00	233.0	130.4	13.0	69.4
01Jun2015	13:15	234.6	133.6	13.2	84.7
01Jun2015	13:30	221.5	136.4	13.3	98.7
01Jun2015	13:45	200.7	138.6	13.4	110.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	175.7	140.1	13.5	118.4
01Jun2015	14:15	155.3	141.1	13.5	123.4
01Jun2015	14:30	141.9	141.6	13.5	126.2
01Jun2015	14:45	132.9	141.8	13.5	127.4
01Jun2015	15:00	125.4	141.8	13.5	127.6
01Jun2015	15:15	121.4	141.7	13.5	127.1
01Jun2015	15:30	118.6	141.6	13.5	126.4
01Jun2015	15:45	115.0	141.4	13.5	125.3
01Jun2015	16:00	113.1	141.2	13.5	124.1
01Jun2015	16:15	110.3	140.9	13.5	122.8
01Jun2015	16:30	109.0	140.7	13.5	121.4
01Jun2015	16:45	106.6	140.4	13.5	119.9
01Jun2015	17:00	105.5	140.1	13.5	118.4
01Jun2015	17:15	103.5	139.9	13.4	117.0
01Jun2015	17:30	102.8	139.6	13.4	115.5
01Jun2015	17:45	101.0	139.3	13.4	114.1
01Jun2015	18:00	100.3	139.1	13.4	112.7
01Jun2015	18:15	98.8	138.8	13.4	111.3
01Jun2015	18:30	98.4	138.6	13.4	110.0
01Jun2015	18:45	97.2	138.3	13.4	108.7
01Jun2015	19:00	102.4	138.2	13.4	107.8
01Jun2015	19:15	111.6	138.1	13.4	107.7
01Jun2015	19:30	116.9	138.3	13.4	108.4
01Jun2015	19:45	120.3	138.5	13.4	109.5
01Jun2015	20:00	123.5	138.7	13.4	110.7
01Jun2015	20:15	126.5	139.0	13.4	112.2
01Jun2015	20:30	127.6	139.3	13.4	113.8
01Jun2015	20:45	129.0	139.6	13.4	115.3
01Jun2015	21:00	130.6	139.9	13.4	116.8
01Jun2015	21:15	131.9	140.1	13.5	118.4
01Jun2015	21:30	133.1	140.4	13.5	119.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	135.3	140.7	13.5	121.4
01Jun2015	22:00	135.6	141.0	13.5	122.9
01Jun2015	22:15	136.8	141.2	13.5	124.4
01Jun2015	22:30	136.9	141.5	13.5	125.7
01Jun2015	22:45	137.8	141.7	13.5	127.0
01Jun2015	23:00	137.7	141.9	13.5	128.1
01Jun2015	23:15	138.5	142.1	13.5	129.2
01Jun2015	23:30	138.3	142.3	13.5	130.2
01Jun2015	23:45	138.9	142.4	13.6	131.1
02Jun2015	00:00	138.6	142.6	13.6	132.0
02Jun2015	00:15	138.1	142.7	13.6	132.7
02Jun2015	00:30	137.1	142.8	13.6	133.2
02Jun2015	00:45	136.6	142.9	13.6	133.6
02Jun2015	01:00	135.2	142.9	13.6	133.9
02Jun2015	01:15	134.2	142.9	13.6	134.0
02Jun2015	01:30	132.6	142.9	13.6	133.9
02Jun2015	01:45	131.5	142.9	13.6	133.7
02Jun2015	02:00	130.2	142.8	13.6	133.4
02Jun2015	02:15	129.3	142.8	13.6	133.0
02Jun2015	02:30	128.1	142.7	13.6	132.5
02Jun2015	02:45	127.2	142.6	13.6	132.0
02Jun2015	03:00	126.1	142.5	13.6	131.4
02Jun2015	03:15	125.2	142.4	13.6	130.8
02Jun2015	03:30	124.0	142.3	13.5	130.1
02Jun2015	03:45	123.1	142.1	13.5	129.4
02Jun2015	04:00	121.9	142.0	13.5	128.6
02Jun2015	04:15	120.8	141.8	13.5	127.8
02Jun2015	04:30	119.6	141.7	13.5	127.0
02Jun2015	04:45	118.4	141.5	13.5	126.1
02Jun2015	05:00	117.1	141.4	13.5	125.2
02Jun2015	05:15	115.9	141.2	13.5	124.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	114.5	141.0	13.5	123.3
02Jun2015	05:45	113.2	140.8	13.5	122.3
02Jun2015	06:00	111.8	140.7	13.5	121.2
02Jun2015	06:15	110.4	140.5	13.5	120.1
02Jun2015	06:30	108.8	140.3	13.5	119.0
02Jun2015	06:45	107.4	140.0	13.5	117.9
02Jun2015	07:00	105.7	139.8	13.4	116.7
02Jun2015	07:15	104.2	139.6	13.4	115.4
02Jun2015	07:30	102.4	139.4	13.4	114.1
02Jun2015	07:45	100.7	139.1	13.4	112.8
02Jun2015	08:00	98.8	138.8	13.4	111.5
02Jun2015	08:15	96.9	138.6	13.4	110.0
02Jun2015	08:30	94.7	138.3	13.4	108.6
02Jun2015	08:45	92.5	138.0	13.4	107.0
02Jun2015	09:00	90.4	137.7	13.3	105.4
02Jun2015	09:15	89.2	137.4	13.3	103.8
02Jun2015	09:30	84.8	137.1	13.3	102.1
02Jun2015	09:45	78.9	136.7	13.3	100.1
02Jun2015	10:00	74.6	136.2	13.3	97.7
02Jun2015	10:15	74.0	135.8	13.3	95.4
02Jun2015	10:30	74.0	135.3	13.2	93.3
02Jun2015	10:45	73.7	134.9	13.2	91.4
02Jun2015	11:00	73.7	134.6	13.2	89.6
02Jun2015	11:15	73.5	134.3	13.2	88.1
02Jun2015	11:30	73.5	134.0	13.2	86.7
02Jun2015	11:45	73.3	133.7	13.2	85.4
02Jun2015	12:00	73.2	133.5	13.2	84.2

Project: hempstead lake
Simulation Run: 009 5 year proposed Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 5 year
Compute Time: 28Aug2015, 16:20:29 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.5	102.4	5.8	54.4
01Jun2015	00:45	46.3	102.5	5.8	56.7
01Jun2015	01:00	29.1	102.2	5.8	52.6
01Jun2015	01:15	20.2	101.7	5.8	46.7
01Jun2015	01:30	15.3	101.1	5.7	40.8
01Jun2015	01:45	12.4	100.6	5.7	35.5
01Jun2015	02:00	10.7	100.2	5.7	31.0
01Jun2015	02:15	9.8	99.8	5.7	27.3
01Jun2015	02:30	9.3	99.5	5.7	24.2
01Jun2015	02:45	9.2	99.2	5.7	21.7
01Jun2015	03:00	9.2	99.0	5.6	19.7
01Jun2015	03:15	9.4	98.8	5.6	18.0
01Jun2015	03:30	9.8	98.6	5.6	16.7
01Jun2015	03:45	10.2	98.5	5.6	15.7
01Jun2015	04:00	10.7	98.4	5.6	14.9
01Jun2015	04:15	11.2	98.3	5.6	14.3
01Jun2015	04:30	11.7	98.2	5.6	13.9
01Jun2015	04:45	12.4	98.2	5.6	13.7
01Jun2015	05:00	13.0	98.2	5.6	13.5
01Jun2015	05:15	13.5	98.2	5.6	13.5
01Jun2015	05:30	14.1	98.2	5.6	13.5
01Jun2015	05:45	14.6	98.2	5.6	13.6
01Jun2015	06:00	15.1	98.2	5.6	13.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	15.6	98.3	5.6	14.0
01Jun2015	06:30	16.2	98.3	5.6	14.3
01Jun2015	06:45	16.8	98.3	5.6	14.6
01Jun2015	07:00	17.4	98.4	5.6	15.0
01Jun2015	07:15	18.0	98.4	5.6	15.4
01Jun2015	07:30	18.5	98.5	5.6	15.8
01Jun2015	07:45	19.1	98.5	5.6	16.3
01Jun2015	08:00	19.7	98.6	5.6	16.7
01Jun2015	08:15	20.3	98.7	5.6	17.2
01Jun2015	08:30	21.0	98.7	5.6	17.8
01Jun2015	08:45	21.8	98.8	5.6	18.3
01Jun2015	09:00	22.5	98.9	5.6	18.9
01Jun2015	09:15	23.3	98.9	5.6	19.6
01Jun2015	09:30	24.1	99.0	5.6	20.2
01Jun2015	09:45	24.9	99.1	5.6	20.9
01Jun2015	10:00	25.8	99.2	5.7	21.6
01Jun2015	10:15	26.7	99.3	5.7	22.4
01Jun2015	10:30	28.0	99.4	5.7	23.2
01Jun2015	10:45	29.5	99.5	5.7	24.2
01Jun2015	11:00	31.6	99.6	5.7	25.3
01Jun2015	11:15	35.7	99.8	5.7	26.7
01Jun2015	11:30	44.4	100.0	5.7	29.1
01Jun2015	11:45	71.0	100.5	5.7	34.4
01Jun2015	12:00	149.5	101.9	5.8	49.7
01Jun2015	12:15	302.0	105.2	5.9	90.8
01Jun2015	12:30	594.2	111.5	6.2	183.6
01Jun2015	12:45	978.3	122.0	6.6	369.5
01Jun2015	13:00	1184.8	134.0	7.1	628.0
01Jun2015	13:15	1323.8	144.1	7.5	881.6
01Jun2015	13:30	1405.2	151.8	7.8	1091.6
01Jun2015	13:45	1424.8	156.9	8.0	1236.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1402.6	159.8	8.1	1312.5
01Jun2015	14:15	1323.8	160.6	8.2	1334.6
01Jun2015	14:30	1220.3	159.6	8.1	1307.4
01Jun2015	14:45	1078.0	157.0	8.0	1239.4
01Jun2015	15:00	895.1	153.0	7.9	1124.5
01Jun2015	15:15	777.8	148.4	7.7	997.5
01Jun2015	15:30	698.9	144.3	7.5	886.6
01Jun2015	15:45	636.9	140.8	7.4	795.6
01Jun2015	16:00	585.7	137.8	7.3	719.9
01Jun2015	16:15	541.9	135.2	7.1	657.4
01Jun2015	16:30	504.0	133.0	7.1	604.8
01Jun2015	16:45	470.6	131.0	7.0	559.8
01Jun2015	17:00	441.4	129.3	6.9	520.9
01Jun2015	17:15	415.9	127.7	6.8	486.9
01Jun2015	17:30	393.6	126.3	6.8	457.2
01Jun2015	17:45	373.6	125.1	6.7	431.0
01Jun2015	18:00	355.4	123.9	6.7	407.7
01Jun2015	18:15	338.7	122.9	6.7	386.8
01Jun2015	18:30	323.5	121.9	6.6	367.9
01Jun2015	18:45	309.7	121.1	6.6	350.7
01Jun2015	19:00	297.1	120.3	6.5	335.0
01Jun2015	19:15	286.8	119.5	6.5	320.9
01Jun2015	19:30	278.5	118.8	6.5	308.5
01Jun2015	19:45	271.8	118.3	6.5	297.9
01Jun2015	20:00	266.3	117.8	6.4	288.7
01Jun2015	20:15	261.9	117.3	6.4	281.0
01Jun2015	20:30	258.2	117.0	6.4	274.5
01Jun2015	20:45	255.2	116.7	6.4	268.9
01Jun2015	21:00	252.5	116.4	6.4	264.3
01Jun2015	21:15	250.2	116.2	6.4	260.3
01Jun2015	21:30	248.2	116.0	6.4	256.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	246.4	115.8	6.4	254.0
01Jun2015	22:00	244.9	115.7	6.4	251.4
01Jun2015	22:15	243.5	115.5	6.4	249.2
01Jun2015	22:30	242.2	115.4	6.3	247.3
01Jun2015	22:45	240.8	115.3	6.3	245.6
01Jun2015	23:00	239.4	115.2	6.3	243.9
01Jun2015	23:15	238.0	115.1	6.3	242.4
01Jun2015	23:30	236.5	115.0	6.3	240.8
01Jun2015	23:45	235.0	115.0	6.3	239.3
02Jun2015	00:00	233.3	114.9	6.3	237.8
02Jun2015	00:15	230.4	114.8	6.3	236.0
02Jun2015	00:30	226.6	114.6	6.3	233.8
02Jun2015	00:45	221.0	114.5	6.3	230.8
02Jun2015	01:00	214.0	114.2	6.3	226.9
02Jun2015	01:15	206.0	113.9	6.3	221.9
02Jun2015	01:30	197.7	113.6	6.3	216.1
02Jun2015	01:45	189.4	113.2	6.3	209.6
02Jun2015	02:00	181.3	112.7	6.2	202.6
02Jun2015	02:15	173.7	112.3	6.2	195.5
02Jun2015	02:30	166.5	111.8	6.2	188.3
02Jun2015	02:45	160.2	111.4	6.2	181.4
02Jun2015	03:00	154.5	111.0	6.2	174.8
02Jun2015	03:15	149.7	110.6	6.2	168.6
02Jun2015	03:30	145.5	110.2	6.1	162.9
02Jun2015	03:45	142.1	109.9	6.1	157.8
02Jun2015	04:00	139.1	109.5	6.1	153.3
02Jun2015	04:15	136.6	109.3	6.1	149.2
02Jun2015	04:30	134.5	109.0	6.1	145.7
02Jun2015	04:45	132.6	108.8	6.1	142.5
02Jun2015	05:00	130.8	108.6	6.1	139.7
02Jun2015	05:15	129.2	108.4	6.1	137.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	127.7	108.3	6.1	135.0
02Jun2015	05:45	126.2	108.1	6.1	133.0
02Jun2015	06:00	124.8	108.0	6.0	131.1
02Jun2015	06:15	123.3	107.9	6.0	129.3
02Jun2015	06:30	122.0	107.7	6.0	127.6
02Jun2015	06:45	120.6	107.6	6.0	126.1
02Jun2015	07:00	119.2	107.5	6.0	124.5
02Jun2015	07:15	117.8	107.4	6.0	123.0
02Jun2015	07:30	116.4	107.3	6.0	121.5
02Jun2015	07:45	114.9	107.2	6.0	120.1
02Jun2015	08:00	113.4	107.1	6.0	118.6
02Jun2015	08:15	111.9	107.0	6.0	117.2
02Jun2015	08:30	110.4	106.9	6.0	115.7
02Jun2015	08:45	108.8	106.8	6.0	114.2
02Jun2015	09:00	107.1	106.6	6.0	112.5
02Jun2015	09:15	105.5	106.5	6.0	110.9
02Jun2015	09:30	103.8	106.4	6.0	109.2
02Jun2015	09:45	101.8	106.3	6.0	107.5
02Jun2015	10:00	99.6	106.2	6.0	105.7
02Jun2015	10:15	97.2	106.1	6.0	103.8
02Jun2015	10:30	95.0	105.9	6.0	101.7
02Jun2015	10:45	92.9	105.8	6.0	99.7
02Jun2015	11:00	91.1	105.6	5.9	97.7
02Jun2015	11:15	89.4	105.5	5.9	95.8
02Jun2015	11:30	87.9	105.4	5.9	93.9
02Jun2015	11:45	86.5	105.3	5.9	92.2
02Jun2015	12:00	85.3	105.1	5.9	90.6

Project: hempstead lake
Simulation Run: 008 25 year proposed Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 28Aug2015, 15:27:45 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.2	0.1
01Jun2015	08:45	1.0	0.5
01Jun2015	09:00	3.4	2.1
01Jun2015	09:15	8.8	5.9
01Jun2015	09:30	18.3	13.3
01Jun2015	09:45	31.5	24.6
01Jun2015	10:00	48.3	39.5
01Jun2015	10:15	68.5	57.9
01Jun2015	10:30	92.8	80.0
01Jun2015	10:45	122.1	106.5
01Jun2015	11:00	157.8	138.7
01Jun2015	11:15	202.0	178.1
01Jun2015	11:30	262.1	229.8
01Jun2015	11:45	378.0	321.2
01Jun2015	12:00	746.7	589.2
01Jun2015	12:15	1620.7	1310.1
01Jun2015	12:30	2619.4	2296.3
01Jun2015	12:45	3051.1	2901.1
01Jun2015	13:00	2812.1	2865.7
01Jun2015	13:15	2273.9	2433.5
01Jun2015	13:30	1750.3	1921.6
01Jun2015	13:45	1356.1	1495.1

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	1082.8	1185.1
01Jun2015	14:15	897.5	970.3
01Jun2015	14:30	768.2	820.9
01Jun2015	14:45	675.5	714.5
01Jun2015	15:00	607.0	636.5
01Jun2015	15:15	553.8	577.3
01Jun2015	15:30	509.8	529.6
01Jun2015	15:45	471.0	488.8
01Jun2015	16:00	435.3	451.9
01Jun2015	16:15	401.4	417.5
01Jun2015	16:30	370.0	385.3
01Jun2015	16:45	342.2	356.0
01Jun2015	17:00	318.5	330.5
01Jun2015	17:15	298.3	308.7
01Jun2015	17:30	280.7	289.9
01Jun2015	17:45	264.7	273.2
01Jun2015	18:00	249.5	257.7
01Jun2015	18:15	234.4	242.6
01Jun2015	18:30	220.2	228.1
01Jun2015	18:45	208.3	215.0
01Jun2015	19:00	199.2	204.3
01Jun2015	19:15	192.0	196.0
01Jun2015	19:30	185.8	189.2
01Jun2015	19:45	180.2	183.3
01Jun2015	20:00	175.3	178.0
01Jun2015	20:15	170.9	173.3
01Jun2015	20:30	166.9	169.1
01Jun2015	20:45	162.8	165.1
01Jun2015	21:00	158.4	160.8
01Jun2015	21:15	154.2	156.5
01Jun2015	21:30	150.4	152.5

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	147.2	149.0
01Jun2015	22:00	144.4	145.9
01Jun2015	22:15	141.6	143.1
01Jun2015	22:30	138.4	140.1
01Jun2015	22:45	135.0	136.8
01Jun2015	23:00	131.3	133.3
01Jun2015	23:15	127.6	129.6
01Jun2015	23:30	124.2	126.1
01Jun2015	23:45	121.0	122.7
02Jun2015	00:00	118.0	119.6
02Jun2015	00:15	110.7	114.5
02Jun2015	00:30	93.1	102.2
02Jun2015	00:45	68.3	81.3
02Jun2015	01:00	44.1	57.0
02Jun2015	01:15	26.1	35.8
02Jun2015	01:30	14.6	20.9
02Jun2015	01:45	8.0	11.8
02Jun2015	02:00	4.3	6.5
02Jun2015	02:15	2.3	3.5
02Jun2015	02:30	1.2	1.8
02Jun2015	02:45	0.5	0.9
02Jun2015	03:00	0.2	0.4
02Jun2015	03:15	0.1	0.2
02Jun2015	03:30	0.0	0.1
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 008 25 year proposed Reservoir: Combined North Ponds

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 28Aug2015, 15:27:45 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	37.1	22.0	104.0
01Jun2015	00:15	0.0	35.1	21.9	87.8
01Jun2015	00:30	0.0	33.5	21.8	74.9
01Jun2015	00:45	0.0	32.0	21.7	64.3
01Jun2015	01:00	0.4	30.8	21.7	55.7
01Jun2015	01:15	0.9	29.7	21.6	48.6
01Jun2015	01:30	1.3	28.8	21.6	42.7
01Jun2015	01:45	1.7	28.0	21.5	37.8
01Jun2015	02:00	2.0	27.3	21.5	33.7
01Jun2015	02:15	2.3	26.7	21.4	30.2
01Jun2015	02:30	2.7	26.2	21.4	27.2
01Jun2015	02:45	3.0	25.7	21.4	24.7
01Jun2015	03:00	3.3	25.3	21.4	22.5
01Jun2015	03:15	3.6	24.9	21.3	20.7
01Jun2015	03:30	3.9	24.5	21.3	19.1
01Jun2015	03:45	4.1	24.3	21.3	17.7
01Jun2015	04:00	4.4	24.0	21.3	16.4
01Jun2015	04:15	4.7	23.8	21.3	15.4
01Jun2015	04:30	5.0	23.5	21.3	14.5
01Jun2015	04:45	5.2	23.4	21.3	13.7
01Jun2015	05:00	5.4	23.2	21.2	13.0
01Jun2015	05:15	5.8	23.0	21.2	12.4
01Jun2015	05:30	6.0	22.9	21.2	11.8
01Jun2015	05:45	6.2	22.8	21.2	11.4
01Jun2015	06:00	6.4	22.7	21.2	11.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	6.8	22.6	21.2	10.6
01Jun2015	06:30	7.3	22.5	21.2	10.3
01Jun2015	06:45	7.9	22.5	21.2	10.1
01Jun2015	07:00	8.5	22.5	21.2	10.0
01Jun2015	07:15	9.1	22.4	21.2	9.9
01Jun2015	07:30	9.7	22.4	21.2	9.9
01Jun2015	07:45	10.3	22.4	21.2	9.9
01Jun2015	08:00	11.0	22.4	21.2	9.9
01Jun2015	08:15	11.8	22.5	21.2	10.0
01Jun2015	08:30	13.2	22.5	21.2	10.2
01Jun2015	08:45	15.2	22.6	21.2	10.5
01Jun2015	09:00	18.9	22.7	21.2	11.1
01Jun2015	09:15	25.5	22.9	21.2	11.9
01Jun2015	09:30	36.5	23.3	21.3	13.5
01Jun2015	09:45	52.2	23.9	21.3	16.2
01Jun2015	10:00	72.2	24.8	21.3	20.5
01Jun2015	10:15	96.9	26.1	21.4	26.9
01Jun2015	10:30	126.8	27.8	21.5	36.3
01Jun2015	10:45	162.6	29.9	21.6	49.4
01Jun2015	11:00	205.3	32.5	21.7	67.3
01Jun2015	11:15	260.1	35.6	21.9	91.6
01Jun2015	11:30	335.1	39.6	22.1	113.5
01Jun2015	11:45	502.2	45.7	22.2	137.6
01Jun2015	12:00	1010.8	57.9	22.5	191.1
01Jun2015	12:15	2014.0	83.8	23.1	324.4
01Jun2015	12:30	3141.8	127.1	24.1	638.4
01Jun2015	12:45	3752.1	181.0	25.1	1042.8
01Jun2015	13:00	3604.5	230.5	26.1	1522.3
01Jun2015	13:15	3021.0	263.9	26.6	1864.7
01Jun2015	13:30	2378.9	279.4	26.9	2033.0
01Jun2015	13:45	1857.6	281.0	26.9	2050.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	1483.0	273.9	26.8	1972.8
01Jun2015	14:15	1223.6	262.4	26.6	1848.9
01Jun2015	14:30	1042.6	249.1	26.4	1709.5
01Jun2015	14:45	912.8	235.5	26.2	1571.3
01Jun2015	15:00	817.2	222.3	25.9	1438.7
01Jun2015	15:15	743.7	210.0	25.7	1313.8
01Jun2015	15:30	683.9	198.8	25.5	1204.4
01Jun2015	15:45	631.9	188.5	25.3	1108.9
01Jun2015	16:00	584.1	179.0	25.1	1025.5
01Jun2015	16:15	539.5	170.2	24.9	953.6
01Jun2015	16:30	497.9	161.9	24.8	889.2
01Jun2015	16:45	460.6	154.1	24.6	829.9
01Jun2015	17:00	428.2	146.7	24.5	775.4
01Jun2015	17:15	400.6	139.8	24.4	725.6
01Jun2015	17:30	376.5	133.3	24.2	680.2
01Jun2015	17:45	354.9	127.2	24.1	638.8
01Jun2015	18:00	334.5	121.5	24.0	601.0
01Jun2015	18:15	314.8	116.2	23.9	559.5
01Jun2015	18:30	296.3	111.4	23.8	520.5
01Jun2015	18:45	279.9	107.0	23.7	485.8
01Jun2015	19:00	266.8	102.9	23.6	455.0
01Jun2015	19:15	256.3	99.2	23.5	427.7
01Jun2015	19:30	247.7	95.8	23.4	403.6
01Jun2015	19:45	240.1	92.7	23.3	382.3
01Jun2015	20:00	233.3	89.9	23.3	363.3
01Jun2015	20:15	227.4	87.4	23.2	346.5
01Jun2015	20:30	221.8	85.0	23.2	331.5
01Jun2015	20:45	216.4	82.8	23.1	318.1
01Jun2015	21:00	210.8	80.8	23.1	306.0
01Jun2015	21:15	205.1	78.9	23.0	295.2
01Jun2015	21:30	200.1	77.1	23.0	285.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	195.6	75.3	22.9	276.6
01Jun2015	22:00	191.8	73.7	22.9	268.2
01Jun2015	22:15	187.9	72.2	22.8	260.3
01Jun2015	22:30	183.9	70.7	22.8	252.9
01Jun2015	22:45	179.5	69.3	22.8	245.9
01Jun2015	23:00	174.7	68.0	22.7	239.1
01Jun2015	23:15	170.0	66.6	22.7	232.7
01Jun2015	23:30	165.3	65.4	22.7	226.4
01Jun2015	23:45	161.1	64.1	22.6	220.4
02Jun2015	00:00	156.9	62.9	22.6	214.6
02Jun2015	00:15	146.3	61.7	22.6	208.7
02Jun2015	00:30	127.4	60.3	22.6	202.0
02Jun2015	00:45	98.7	58.5	22.5	193.9
02Jun2015	01:00	67.7	56.3	22.5	183.9
02Jun2015	01:15	42.0	53.8	22.4	172.4
02Jun2015	01:30	24.4	51.0	22.3	160.4
02Jun2015	01:45	13.7	48.2	22.3	148.4
02Jun2015	02:00	7.5	45.5	22.2	137.0
02Jun2015	02:15	4.1	42.9	22.1	126.5
02Jun2015	02:30	2.2	40.5	22.1	116.8
02Jun2015	02:45	1.1	38.2	22.0	108.0
02Jun2015	03:00	0.5	36.1	21.9	95.3
02Jun2015	03:15	0.2	34.3	21.8	80.9
02Jun2015	03:30	0.1	32.7	21.8	69.3
02Jun2015	03:45	0.0	31.4	21.7	59.7
02Jun2015	04:00	0.0	30.2	21.6	51.9
02Jun2015	04:15	0.0	29.2	21.6	45.3
02Jun2015	04:30	0.0	28.4	21.5	39.9
02Jun2015	04:45	0.0	27.6	21.5	35.2
02Jun2015	05:00	0.0	26.9	21.4	31.3
02Jun2015	05:15	0.0	26.3	21.4	27.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	0.0	25.7	21.4	25.0
02Jun2015	05:45	0.0	25.2	21.4	22.5
02Jun2015	06:00	0.0	24.8	21.3	20.3
02Jun2015	06:15	0.0	24.4	21.3	18.4
02Jun2015	06:30	0.0	24.0	21.3	16.7
02Jun2015	06:45	0.0	23.7	21.3	15.2
02Jun2015	07:00	0.0	23.4	21.3	13.9
02Jun2015	07:15	0.0	23.1	21.2	12.7
02Jun2015	07:30	0.0	22.9	21.2	11.7
02Jun2015	07:45	0.0	22.7	21.2	10.8
02Jun2015	08:00	0.0	22.4	21.2	9.9
02Jun2015	08:15	0.0	22.2	21.2	9.2
02Jun2015	08:30	0.0	22.1	21.2	8.5
02Jun2015	08:45	0.0	21.9	21.2	7.9
02Jun2015	09:00	0.0	21.7	21.2	7.3
02Jun2015	09:15	0.0	21.6	21.2	6.8
02Jun2015	09:30	0.0	21.4	21.2	6.4
02Jun2015	09:45	0.0	21.3	21.1	6.0
02Jun2015	10:00	0.0	21.2	21.1	5.6
02Jun2015	10:15	0.0	21.1	21.1	5.2
02Jun2015	10:30	0.0	21.0	21.1	4.9
02Jun2015	10:45	0.0	20.9	21.1	4.6
02Jun2015	11:00	0.0	20.8	21.1	4.3
02Jun2015	11:15	0.0	20.7	21.1	4.1
02Jun2015	11:30	0.0	20.6	21.1	3.9
02Jun2015	11:45	0.0	20.5	21.1	3.6
02Jun2015	12:00	0.0	20.5	21.1	3.4

Project: hempstead lake
Simulation Run: 008 25 year proposed Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 28Aug2015, 15:27:45 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	264.0	18.0	18.1
01Jun2015	00:15	95.9	264.7	18.0	18.4
01Jun2015	00:30	81.4	266.1	18.0	18.9
01Jun2015	00:45	69.6	267.3	18.0	19.4
01Jun2015	01:00	60.5	268.2	18.0	19.8
01Jun2015	01:15	53.4	269.0	18.1	20.1
01Jun2015	01:30	47.5	269.6	18.1	20.3
01Jun2015	01:45	42.7	270.1	18.1	20.5
01Jun2015	02:00	38.7	270.5	18.1	20.6
01Jun2015	02:15	35.3	270.9	18.1	20.8
01Jun2015	02:30	32.6	271.1	18.1	20.9
01Jun2015	02:45	30.3	271.4	18.1	20.9
01Jun2015	03:00	28.5	271.5	18.1	21.0
01Jun2015	03:15	26.9	271.7	18.1	21.0
01Jun2015	03:30	25.5	271.8	18.1	21.1
01Jun2015	03:45	24.4	271.8	18.1	21.1
01Jun2015	04:00	23.1	271.9	18.1	21.1
01Jun2015	04:15	22.6	271.9	18.1	21.1
01Jun2015	04:30	22.0	272.0	18.1	21.1
01Jun2015	04:45	21.6	272.0	18.1	21.2
01Jun2015	05:00	21.1	272.0	18.1	21.2
01Jun2015	05:15	21.0	272.0	18.1	21.2
01Jun2015	05:30	20.7	272.0	18.1	21.2
01Jun2015	05:45	20.6	272.0	18.1	21.1
01Jun2015	06:00	20.5	271.9	18.1	21.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	20.6	271.9	18.1	21.1
01Jun2015	06:30	21.1	271.9	18.1	21.1
01Jun2015	06:45	21.8	271.9	18.1	21.1
01Jun2015	07:00	22.6	272.0	18.1	21.1
01Jun2015	07:15	23.3	272.0	18.1	21.2
01Jun2015	07:30	24.1	272.0	18.1	21.2
01Jun2015	07:45	25.0	272.1	18.1	21.2
01Jun2015	08:00	26.1	272.2	18.1	21.2
01Jun2015	08:15	27.3	272.3	18.1	21.3
01Jun2015	08:30	29.4	272.5	18.1	21.3
01Jun2015	08:45	31.6	272.7	18.1	21.4
01Jun2015	09:00	34.2	272.9	18.1	21.5
01Jun2015	09:15	36.8	273.2	18.1	21.6
01Jun2015	09:30	39.8	273.5	18.1	21.7
01Jun2015	09:45	44.0	273.9	18.1	21.8
01Jun2015	10:00	49.5	274.5	18.1	22.0
01Jun2015	10:15	57.7	275.1	18.1	22.2
01Jun2015	10:30	69.4	276.0	18.1	22.5
01Jun2015	10:45	84.8	277.1	18.1	22.9
01Jun2015	11:00	104.5	278.6	18.2	23.4
01Jun2015	11:15	134.0	280.5	18.2	24.0
01Jun2015	11:30	171.0	283.2	18.2	24.8
01Jun2015	11:45	261.4	287.1	18.3	26.0
01Jun2015	12:00	501.1	294.4	18.3	28.0
01Jun2015	12:15	671.5	305.9	18.5	31.0
01Jun2015	12:30	766.1	320.1	18.6	34.2
01Jun2015	12:45	1041.0	338.0	18.8	38.0
01Jun2015	13:00	1447.4	362.9	19.1	42.6
01Jun2015	13:15	1829.2	395.8	19.5	48.1
01Jun2015	13:30	2062.0	435.0	20.0	53.9
01Jun2015	13:45	2138.6	477.2	20.4	58.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2080.0	519.5	20.8	62.8
01Jun2015	14:15	1984.4	560.2	21.1	66.6
01Jun2015	14:30	1846.2	598.3	21.5	70.0
01Jun2015	14:45	1701.5	633.5	21.8	73.0
01Jun2015	15:00	1561.6	665.5	22.1	103.1
01Jun2015	15:15	1428.6	694.0	22.3	122.5
01Jun2015	15:30	1307.5	719.6	22.6	135.5
01Jun2015	15:45	1201.4	742.6	22.7	145.6
01Jun2015	16:00	1108.1	763.4	22.9	153.7
01Jun2015	16:15	1027.4	782.2	23.1	160.6
01Jun2015	16:30	956.6	799.3	23.2	166.5
01Jun2015	16:45	892.5	814.9	23.4	171.6
01Jun2015	17:00	833.1	829.2	23.5	176.1
01Jun2015	17:15	779.2	842.1	23.6	180.1
01Jun2015	17:30	730.1	854.0	23.7	183.6
01Jun2015	17:45	685.2	864.8	23.8	186.8
01Jun2015	18:00	644.5	874.6	23.9	189.6
01Jun2015	18:15	602.9	883.5	23.9	192.1
01Jun2015	18:30	561.8	891.6	24.0	194.3
01Jun2015	18:45	524.8	898.8	24.1	196.2
01Jun2015	19:00	491.3	905.2	24.1	197.8
01Jun2015	19:15	460.3	910.9	24.2	199.3
01Jun2015	19:30	434.3	916.0	24.2	200.6
01Jun2015	19:45	411.2	920.6	24.2	201.7
01Jun2015	20:00	390.6	924.7	24.3	202.7
01Jun2015	20:15	372.6	928.4	24.3	203.6
01Jun2015	20:30	356.1	931.7	24.3	204.5
01Jun2015	20:45	341.4	934.7	24.3	205.2
01Jun2015	21:00	328.4	937.4	24.4	205.8
01Jun2015	21:15	319.3	939.8	24.4	206.4
01Jun2015	21:30	306.1	942.0	24.4	207.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	290.3	943.9	24.4	207.4
01Jun2015	22:00	286.1	945.5	24.4	207.8
01Jun2015	22:15	274.5	947.0	24.4	208.2
01Jun2015	22:30	268.9	948.3	24.5	208.5
01Jun2015	22:45	260.0	949.5	24.5	208.8
01Jun2015	23:00	253.8	950.5	24.5	209.0
01Jun2015	23:15	246.4	951.3	24.5	209.2
01Jun2015	23:30	240.2	952.0	24.5	209.4
01Jun2015	23:45	233.6	952.6	24.5	209.5
02Jun2015	00:00	227.4	953.0	24.5	209.6
02Jun2015	00:15	216.6	953.3	24.5	209.7
02Jun2015	00:30	207.9	953.3	24.5	209.7
02Jun2015	00:45	198.2	953.2	24.5	209.6
02Jun2015	01:00	187.2	952.9	24.5	209.6
02Jun2015	01:15	180.6	952.3	24.5	209.4
02Jun2015	01:30	167.1	951.6	24.5	209.3
02Jun2015	01:45	154.8	950.6	24.5	209.0
02Jun2015	02:00	143.0	949.4	24.5	208.7
02Jun2015	02:15	131.9	947.9	24.5	208.4
02Jun2015	02:30	121.7	946.2	24.4	208.0
02Jun2015	02:45	112.4	944.3	24.4	207.5
02Jun2015	03:00	101.7	942.3	24.4	207.0
02Jun2015	03:15	88.1	940.0	24.4	206.5
02Jun2015	03:30	75.1	937.4	24.4	205.8
02Jun2015	03:45	64.5	934.6	24.3	205.2
02Jun2015	04:00	55.8	931.6	24.3	204.4
02Jun2015	04:15	48.6	928.5	24.3	203.7
02Jun2015	04:30	42.6	925.2	24.3	202.9
02Jun2015	04:45	37.5	921.8	24.2	202.0
02Jun2015	05:00	33.2	918.4	24.2	201.2
02Jun2015	05:15	29.6	914.9	24.2	200.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	26.4	911.4	24.2	199.4
02Jun2015	05:45	23.7	907.8	24.1	198.5
02Jun2015	06:00	21.4	904.1	24.1	197.6
02Jun2015	06:15	19.3	900.5	24.1	196.6
02Jun2015	06:30	17.5	896.8	24.0	195.7
02Jun2015	06:45	16.0	893.1	24.0	194.7
02Jun2015	07:00	14.6	889.4	24.0	193.7
02Jun2015	07:15	13.3	885.7	24.0	192.7
02Jun2015	07:30	12.2	882.0	23.9	191.7
02Jun2015	07:45	11.2	878.3	23.9	190.6
02Jun2015	08:00	10.4	874.6	23.9	189.6
02Jun2015	08:15	9.4	870.9	23.8	188.6
02Jun2015	08:30	8.7	867.2	23.8	187.5
02Jun2015	08:45	8.1	863.5	23.8	186.4
02Jun2015	09:00	7.5	859.8	23.7	185.4
02Jun2015	09:15	7.0	856.2	23.7	184.3
02Jun2015	09:30	6.5	852.5	23.7	183.2
02Jun2015	09:45	6.1	848.9	23.6	182.1
02Jun2015	10:00	5.7	845.2	23.6	181.0
02Jun2015	10:15	5.4	841.6	23.6	180.0
02Jun2015	10:30	5.0	838.0	23.6	178.9
02Jun2015	10:45	4.7	834.4	23.5	177.8
02Jun2015	11:00	4.4	830.9	23.5	176.7
02Jun2015	11:15	4.2	827.3	23.5	175.6
02Jun2015	11:30	4.0	823.8	23.4	174.5
02Jun2015	11:45	3.7	820.3	23.4	173.3
02Jun2015	12:00	3.5	816.8	23.4	172.2

Project: hempstead lake
Simulation Run: 008 25 year proposed Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 28Aug2015, 15:27:45 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	18.1	107.5	12.0	0.0
01Jun2015	00:15	18.3	107.8	12.0	0.1
01Jun2015	00:30	18.9	108.2	12.0	0.4
01Jun2015	00:45	19.3	108.6	12.1	0.8
01Jun2015	01:00	19.8	109.0	12.1	1.2
01Jun2015	01:15	20.3	109.4	12.1	1.7
01Jun2015	01:30	20.7	109.7	12.1	2.2
01Jun2015	01:45	21.0	110.1	12.1	2.8
01Jun2015	02:00	21.3	110.5	12.1	3.4
01Jun2015	02:15	21.5	110.9	12.2	4.0
01Jun2015	02:30	21.7	111.2	12.2	4.6
01Jun2015	02:45	21.9	111.6	12.2	5.3
01Jun2015	03:00	22.1	111.9	12.2	6.0
01Jun2015	03:15	22.2	112.2	12.2	6.6
01Jun2015	03:30	22.4	112.6	12.2	7.3
01Jun2015	03:45	22.5	112.9	12.2	8.0
01Jun2015	04:00	22.7	113.2	12.3	8.6
01Jun2015	04:15	22.8	113.4	12.3	9.3
01Jun2015	04:30	22.9	113.7	12.3	9.9
01Jun2015	04:45	23.0	114.0	12.3	10.6
01Jun2015	05:00	23.1	114.2	12.3	11.2
01Jun2015	05:15	23.3	114.5	12.3	11.8
01Jun2015	05:30	23.3	114.7	12.3	12.4
01Jun2015	05:45	23.4	114.9	12.3	12.9
01Jun2015	06:00	23.6	115.1	12.3	13.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	23.7	115.3	12.4	14.0
01Jun2015	06:30	23.9	115.5	12.4	14.6
01Jun2015	06:45	24.2	115.7	12.4	15.1
01Jun2015	07:00	24.4	115.9	12.4	15.6
01Jun2015	07:15	24.7	116.1	12.4	16.1
01Jun2015	07:30	25.0	116.3	12.4	16.6
01Jun2015	07:45	25.3	116.4	12.4	17.1
01Jun2015	08:00	25.7	116.6	12.4	17.6
01Jun2015	08:15	26.1	116.8	12.4	18.0
01Jun2015	08:30	26.7	117.0	12.4	18.5
01Jun2015	08:45	27.3	117.1	12.4	19.0
01Jun2015	09:00	28.1	117.3	12.4	19.5
01Jun2015	09:15	28.8	117.5	12.4	20.1
01Jun2015	09:30	29.7	117.7	12.5	20.6
01Jun2015	09:45	30.8	117.9	12.5	21.2
01Jun2015	10:00	32.1	118.1	12.5	21.9
01Jun2015	10:15	33.9	118.3	12.5	22.6
01Jun2015	10:30	36.4	118.5	12.5	23.4
01Jun2015	10:45	39.6	118.8	12.5	24.3
01Jun2015	11:00	43.6	119.2	12.5	25.4
01Jun2015	11:15	49.6	119.6	12.5	26.8
01Jun2015	11:30	58.5	120.1	12.6	28.6
01Jun2015	11:45	83.0	121.0	12.6	31.5
01Jun2015	12:00	150.9	122.7	12.7	37.7
01Jun2015	12:15	236.0	125.8	12.8	49.7
01Jun2015	12:30	300.4	130.1	13.0	68.3
01Jun2015	12:45	364.0	135.3	13.2	93.1
01Jun2015	13:00	397.4	140.9	13.5	122.7
01Jun2015	13:15	386.0	146.2	13.7	152.7
01Jun2015	13:30	349.5	150.4	13.9	178.1
01Jun2015	13:45	306.5	153.3	14.0	196.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	267.9	155.0	14.1	206.4
01Jun2015	14:15	237.6	155.9	14.1	211.8
01Jun2015	14:30	211.7	156.2	14.2	213.3
01Jun2015	14:45	191.3	156.0	14.1	211.9
01Jun2015	15:00	190.2	155.5	14.1	209.5
01Jun2015	15:15	203.1	155.3	14.1	208.0
01Jun2015	15:30	211.8	155.3	14.1	207.9
01Jun2015	15:45	216.9	155.4	14.1	208.7
01Jun2015	16:00	220.3	155.6	14.1	209.8
01Jun2015	16:15	222.7	155.8	14.1	211.2
01Jun2015	16:30	224.5	156.1	14.1	212.6
01Jun2015	16:45	226.1	156.3	14.2	214.1
01Jun2015	17:00	226.8	156.6	14.2	215.6
01Jun2015	17:15	227.2	156.8	14.2	216.9
01Jun2015	17:30	227.8	157.0	14.2	218.1
01Jun2015	17:45	228.5	157.2	14.2	219.3
01Jun2015	18:00	228.9	157.4	14.2	220.4
01Jun2015	18:15	229.3	157.5	14.2	221.5
01Jun2015	18:30	230.7	157.7	14.2	222.5
01Jun2015	18:45	231.0	157.9	14.2	223.5
01Jun2015	19:00	230.8	158.0	14.2	224.3
01Jun2015	19:15	230.8	158.1	14.2	225.1
01Jun2015	19:30	230.7	158.2	14.2	225.8
01Jun2015	19:45	230.8	158.3	14.2	226.4
01Jun2015	20:00	230.7	158.4	14.2	226.9
01Jun2015	20:15	231.0	158.5	14.2	227.4
01Jun2015	20:30	230.9	158.6	14.2	227.8
01Jun2015	20:45	231.0	158.6	14.3	228.2
01Jun2015	21:00	231.0	158.7	14.3	228.5
01Jun2015	21:15	231.0	158.7	14.3	228.8
01Jun2015	21:30	230.9	158.8	14.3	229.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	230.8	158.8	14.3	229.3
01Jun2015	22:00	230.7	158.8	14.3	229.4
01Jun2015	22:15	230.5	158.9	14.3	229.6
01Jun2015	22:30	230.3	158.9	14.3	229.7
01Jun2015	22:45	230.2	158.9	14.3	229.8
01Jun2015	23:00	229.9	158.9	14.3	229.8
01Jun2015	23:15	229.6	158.9	14.3	229.8
01Jun2015	23:30	229.2	158.9	14.3	229.7
01Jun2015	23:45	228.9	158.9	14.3	229.7
02Jun2015	00:00	228.5	158.9	14.3	229.5
02Jun2015	00:15	226.9	158.8	14.3	229.3
02Jun2015	00:30	225.3	158.8	14.3	228.9
02Jun2015	00:45	223.5	158.7	14.3	228.4
02Jun2015	01:00	221.3	158.6	14.2	227.7
02Jun2015	01:15	219.0	158.4	14.2	226.8
02Jun2015	01:30	216.8	158.2	14.2	225.7
02Jun2015	01:45	214.8	158.0	14.2	224.5
02Jun2015	02:00	213.1	157.8	14.2	223.3
02Jun2015	02:15	211.7	157.6	14.2	222.0
02Jun2015	02:30	210.5	157.4	14.2	220.7
02Jun2015	02:45	209.5	157.2	14.2	219.4
02Jun2015	03:00	208.6	157.0	14.2	218.2
02Jun2015	03:15	207.7	156.8	14.2	217.0
02Jun2015	03:30	206.9	156.6	14.2	215.9
02Jun2015	03:45	206.0	156.4	14.2	214.8
02Jun2015	04:00	205.2	156.3	14.2	213.7
02Jun2015	04:15	204.3	156.1	14.1	212.7
02Jun2015	04:30	203.4	155.9	14.1	211.6
02Jun2015	04:45	202.5	155.7	14.1	210.6
02Jun2015	05:00	201.6	155.6	14.1	209.6
02Jun2015	05:15	200.7	155.4	14.1	208.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	199.7	155.2	14.1	207.7
02Jun2015	05:45	198.8	155.1	14.1	206.7
02Jun2015	06:00	197.9	154.9	14.1	205.7
02Jun2015	06:15	196.9	154.8	14.1	204.8
02Jun2015	06:30	195.9	154.6	14.1	203.8
02Jun2015	06:45	195.0	154.4	14.1	202.8
02Jun2015	07:00	194.0	154.3	14.1	201.9
02Jun2015	07:15	192.9	154.1	14.1	200.9
02Jun2015	07:30	191.9	153.9	14.1	199.9
02Jun2015	07:45	190.9	153.8	14.1	199.0
02Jun2015	08:00	189.8	153.6	14.0	198.0
02Jun2015	08:15	188.7	153.4	14.0	197.0
02Jun2015	08:30	187.7	153.3	14.0	196.0
02Jun2015	08:45	186.6	153.1	14.0	195.0
02Jun2015	09:00	185.5	152.9	14.0	194.0
02Jun2015	09:15	184.5	152.7	14.0	192.9
02Jun2015	09:30	183.4	152.6	14.0	191.9
02Jun2015	09:45	182.3	152.4	14.0	190.9
02Jun2015	10:00	181.2	152.2	14.0	189.8
02Jun2015	10:15	180.1	152.0	14.0	188.6
02Jun2015	10:30	179.0	151.9	14.0	187.5
02Jun2015	10:45	177.9	151.7	14.0	186.4
02Jun2015	11:00	176.8	151.5	14.0	185.3
02Jun2015	11:15	175.7	151.3	14.0	184.2
02Jun2015	11:30	174.6	151.2	13.9	183.1
02Jun2015	11:45	173.5	151.0	13.9	182.0
02Jun2015	12:00	172.4	150.8	13.9	180.9

Project: hempstead lake
Simulation Run: 008 25 year proposed Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 25 year
Compute Time: 28Aug2015, 15:27:45 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.5	102.4	5.8	54.4
01Jun2015	00:45	46.4	102.5	5.8	56.7
01Jun2015	01:00	29.3	102.2	5.8	52.6
01Jun2015	01:15	20.5	101.7	5.8	46.7
01Jun2015	01:30	15.6	101.2	5.7	40.9
01Jun2015	01:45	12.8	100.7	5.7	35.7
01Jun2015	02:00	11.1	100.2	5.7	31.2
01Jun2015	02:15	10.2	99.8	5.7	27.5
01Jun2015	02:30	9.8	99.5	5.7	24.5
01Jun2015	02:45	9.7	99.2	5.7	22.0
01Jun2015	03:00	9.8	99.0	5.6	20.0
01Jun2015	03:15	10.1	98.8	5.6	18.4
01Jun2015	03:30	10.5	98.7	5.6	17.1
01Jun2015	03:45	11.0	98.5	5.6	16.2
01Jun2015	04:00	11.5	98.4	5.6	15.4
01Jun2015	04:15	12.0	98.4	5.6	14.9
01Jun2015	04:30	12.6	98.3	5.6	14.5
01Jun2015	04:45	13.2	98.3	5.6	14.3
01Jun2015	05:00	13.9	98.3	5.6	14.2
01Jun2015	05:15	14.6	98.3	5.6	14.2
01Jun2015	05:30	15.1	98.3	5.6	14.3
01Jun2015	05:45	15.7	98.3	5.6	14.4
01Jun2015	06:00	16.3	98.3	5.6	14.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	16.9	98.4	5.6	15.0
01Jun2015	06:30	17.6	98.4	5.6	15.3
01Jun2015	06:45	18.3	98.5	5.6	15.7
01Jun2015	07:00	19.0	98.5	5.6	16.1
01Jun2015	07:15	19.7	98.6	5.6	16.6
01Jun2015	07:30	20.4	98.7	5.6	17.1
01Jun2015	07:45	21.0	98.7	5.6	17.7
01Jun2015	08:00	21.8	98.8	5.6	18.3
01Jun2015	08:15	22.5	98.9	5.6	18.9
01Jun2015	08:30	23.5	98.9	5.6	19.5
01Jun2015	08:45	24.4	99.0	5.6	20.2
01Jun2015	09:00	25.5	99.1	5.6	21.0
01Jun2015	09:15	26.5	99.2	5.7	21.8
01Jun2015	09:30	27.7	99.3	5.7	22.7
01Jun2015	09:45	29.2	99.4	5.7	23.7
01Jun2015	10:00	31.5	99.5	5.7	24.8
01Jun2015	10:15	36.0	99.7	5.7	26.4
01Jun2015	10:30	44.4	100.0	5.7	28.8
01Jun2015	10:45	58.8	100.4	5.7	33.0
01Jun2015	11:00	80.6	101.1	5.7	40.1
01Jun2015	11:15	112.0	102.1	5.8	51.7
01Jun2015	11:30	155.6	103.6	5.9	70.1
01Jun2015	11:45	230.9	105.8	6.0	100.6
01Jun2015	12:00	408.4	109.8	6.1	156.5
01Jun2015	12:15	758.6	117.3	6.4	280.0
01Jun2015	12:30	1201.5	129.2	6.9	519.2
01Jun2015	12:45	1498.5	142.8	7.5	846.9
01Jun2015	13:00	1730.6	155.0	7.9	1182.0
01Jun2015	13:15	1880.6	164.9	8.3	1451.2
01Jun2015	13:30	1988.6	172.5	8.6	1666.9
01Jun2015	13:45	2040.1	177.9	8.8	1826.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2056.9	181.4	8.9	1931.9
01Jun2015	14:15	2044.4	183.3	9.0	1989.0
01Jun2015	14:30	1994.3	183.7	9.0	2003.6
01Jun2015	14:45	1910.6	182.9	9.0	1978.9
01Jun2015	15:00	1809.7	181.1	8.9	1921.9
01Jun2015	15:15	1660.3	178.1	8.8	1833.1
01Jun2015	15:30	1503.4	174.1	8.6	1715.4
01Jun2015	15:45	1287.3	169.1	8.5	1568.4
01Jun2015	16:00	1024.7	162.5	8.2	1387.3
01Jun2015	16:15	853.0	155.4	8.0	1194.4
01Jun2015	16:30	775.3	149.4	7.7	1024.9
01Jun2015	16:45	724.8	145.1	7.5	906.5
01Jun2015	17:00	684.5	141.8	7.4	820.7
01Jun2015	17:15	650.2	139.3	7.3	757.0
01Jun2015	17:30	620.1	137.3	7.2	707.4
01Jun2015	17:45	593.9	135.6	7.2	667.2
01Jun2015	18:00	570.5	134.2	7.1	633.7
01Jun2015	18:15	549.9	133.0	7.1	605.1
01Jun2015	18:30	531.0	131.9	7.0	580.2
01Jun2015	18:45	514.4	130.9	7.0	558.3
01Jun2015	19:00	499.4	130.1	6.9	538.9
01Jun2015	19:15	485.6	129.3	6.9	521.6
01Jun2015	19:30	473.6	128.6	6.9	506.1
01Jun2015	19:45	463.1	128.0	6.9	492.2
01Jun2015	20:00	453.8	127.4	6.8	479.9
01Jun2015	20:15	445.8	126.9	6.8	469.0
01Jun2015	20:30	438.8	126.4	6.8	459.4
01Jun2015	20:45	432.7	126.0	6.8	450.9
01Jun2015	21:00	427.0	125.7	6.8	443.4
01Jun2015	21:15	421.8	125.3	6.8	436.7
01Jun2015	21:30	416.9	125.1	6.7	430.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	412.4	124.8	6.7	425.0
01Jun2015	22:00	408.2	124.5	6.7	419.8
01Jun2015	22:15	404.2	124.3	6.7	415.1
01Jun2015	22:30	400.4	124.1	6.7	410.6
01Jun2015	22:45	396.6	123.9	6.7	406.4
01Jun2015	23:00	392.7	123.7	6.7	402.3
01Jun2015	23:15	389.0	123.5	6.7	398.4
01Jun2015	23:30	385.1	123.3	6.7	394.4
01Jun2015	23:45	381.3	123.1	6.7	390.6
02Jun2015	00:00	377.5	122.9	6.7	386.8
02Jun2015	00:15	371.9	122.7	6.6	382.6
02Jun2015	00:30	364.5	122.4	6.6	377.7
02Jun2015	00:45	354.3	122.1	6.6	371.5
02Jun2015	01:00	341.6	121.7	6.6	363.5
02Jun2015	01:15	327.9	121.2	6.6	353.9
02Jun2015	01:30	314.0	120.7	6.6	342.9
02Jun2015	01:45	300.4	120.1	6.5	331.2
02Jun2015	02:00	287.5	119.4	6.5	319.0
02Jun2015	02:15	275.4	118.8	6.5	306.9
02Jun2015	02:30	264.6	118.1	6.5	295.1
02Jun2015	02:45	255.1	117.5	6.4	284.0
02Jun2015	03:00	247.0	116.9	6.4	273.7
02Jun2015	03:15	240.1	116.4	6.4	264.4
02Jun2015	03:30	234.4	115.9	6.4	256.0
02Jun2015	03:45	229.7	115.5	6.4	248.7
02Jun2015	04:00	225.8	115.1	6.3	242.4
02Jun2015	04:15	222.6	114.8	6.3	237.0
02Jun2015	04:30	220.0	114.5	6.3	232.3
02Jun2015	04:45	217.7	114.3	6.3	228.3
02Jun2015	05:00	215.7	114.1	6.3	224.9
02Jun2015	05:15	213.9	113.9	6.3	221.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	212.3	113.8	6.3	219.3
02Jun2015	05:45	210.8	113.6	6.3	217.1
02Jun2015	06:00	209.3	113.5	6.3	215.0
02Jun2015	06:15	208.0	113.4	6.3	213.2
02Jun2015	06:30	206.7	113.3	6.3	211.5
02Jun2015	06:45	205.5	113.2	6.3	209.9
02Jun2015	07:00	204.3	113.1	6.3	208.5
02Jun2015	07:15	203.1	113.0	6.3	207.1
02Jun2015	07:30	202.0	112.9	6.2	205.8
02Jun2015	07:45	200.9	112.9	6.2	204.6
02Jun2015	08:00	199.7	112.8	6.2	203.3
02Jun2015	08:15	198.6	112.7	6.2	202.2
02Jun2015	08:30	197.5	112.6	6.2	201.0
02Jun2015	08:45	196.5	112.6	6.2	199.9
02Jun2015	09:00	195.4	112.5	6.2	198.7
02Jun2015	09:15	194.3	112.4	6.2	197.6
02Jun2015	09:30	193.2	112.4	6.2	196.5
02Jun2015	09:45	192.1	112.3	6.2	195.4
02Jun2015	10:00	191.0	112.2	6.2	194.3
02Jun2015	10:15	189.8	112.2	6.2	193.2
02Jun2015	10:30	188.6	112.1	6.2	192.1
02Jun2015	10:45	187.5	112.0	6.2	191.0
02Jun2015	11:00	186.3	111.9	6.2	189.8
02Jun2015	11:15	185.2	111.9	6.2	188.7
02Jun2015	11:30	184.1	111.8	6.2	187.6
02Jun2015	11:45	182.9	111.7	6.2	186.4
02Jun2015	12:00	181.8	111.7	6.2	185.3

Project: hempstead lake
Simulation Run: 007 Proposed 100 year Reach: Open Channel to N Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 28Aug2015, 11:50:52 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.1	0.1
01Jun2015	07:45	0.8	0.4
01Jun2015	08:00	2.5	1.6
01Jun2015	08:15	6.6	4.6
01Jun2015	08:30	13.9	10.3
01Jun2015	08:45	24.6	19.3
01Jun2015	09:00	38.8	31.8
01Jun2015	09:15	56.6	47.8
01Jun2015	09:30	77.9	67.2
01Jun2015	09:45	102.7	90.2
01Jun2015	10:00	131.1	116.7
01Jun2015	10:15	163.5	146.9
01Jun2015	10:30	201.1	181.7
01Jun2015	10:45	246.1	222.6
01Jun2015	11:00	300.0	271.9
01Jun2015	11:15	366.3	333.4
01Jun2015	11:30	457.0	415.1
01Jun2015	11:45	639.7	563.6
01Jun2015	12:00	1207.1	993.5
01Jun2015	12:15	2468.5	2067.9
01Jun2015	12:30	3824.8	3413.9
01Jun2015	12:45	4335.0	4158.7
01Jun2015	13:00	3917.3	4010.7
01Jun2015	13:15	3123.9	3342.1
01Jun2015	13:30	2386.3	2607.5
01Jun2015	13:45	1839.9	2018.3

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	1464.1	1595.2
01Jun2015	14:15	1209.7	1302.8
01Jun2015	14:30	1032.3	1099.4
01Jun2015	14:45	905.8	955.1
01Jun2015	15:00	812.4	850.0
01Jun2015	15:15	739.7	769.7
01Jun2015	15:30	679.7	704.9
01Jun2015	15:45	627.1	649.5
01Jun2015	16:00	578.7	599.7
01Jun2015	16:15	533.2	553.3
01Jun2015	16:30	491.3	510.2
01Jun2015	16:45	454.2	471.4
01Jun2015	17:00	422.6	437.5
01Jun2015	17:15	395.7	408.6
01Jun2015	17:30	372.2	383.7
01Jun2015	17:45	350.9	361.4
01Jun2015	18:00	330.5	340.7
01Jun2015	18:15	310.3	320.5
01Jun2015	18:30	291.4	301.2
01Jun2015	18:45	275.7	284.0
01Jun2015	19:00	263.6	270.1
01Jun2015	19:15	254.1	259.3
01Jun2015	19:30	245.8	250.3
01Jun2015	19:45	238.4	242.4
01Jun2015	20:00	231.8	235.3
01Jun2015	20:15	226.0	229.1
01Jun2015	20:30	220.7	223.5
01Jun2015	20:45	215.2	218.1
01Jun2015	21:00	209.2	212.3
01Jun2015	21:15	203.6	206.6
01Jun2015	21:30	198.6	201.2

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	194.4	196.6
01Jun2015	22:00	190.6	192.6
01Jun2015	22:15	186.9	188.8
01Jun2015	22:30	182.6	184.8
01Jun2015	22:45	178.0	180.4
01Jun2015	23:00	173.1	175.7
01Jun2015	23:15	168.3	170.8
01Jun2015	23:30	163.7	166.1
01Jun2015	23:45	159.5	161.7
02Jun2015	00:00	155.5	157.6
02Jun2015	00:15	145.5	150.5
02Jun2015	00:30	121.6	133.5
02Jun2015	00:45	88.4	105.0
02Jun2015	01:00	56.6	72.6
02Jun2015	01:15	33.2	45.1
02Jun2015	01:30	18.6	26.1
02Jun2015	01:45	10.2	14.6
02Jun2015	02:00	5.5	8.0
02Jun2015	02:15	3.0	4.4
02Jun2015	02:30	1.5	2.3
02Jun2015	02:45	0.7	1.2
02Jun2015	03:00	0.3	0.5
02Jun2015	03:15	0.1	0.2
02Jun2015	03:30	0.0	0.1
02Jun2015	03:45	0.0	0.0
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 007 Proposed 100 year Reservoir: Combined North Ponds

Start of Run:	01Jun2015, 00:00	Basin Model:	Proposed Hemp Lake
End of Run:	02Jun2015, 12:00	Meteorologic Model:	100 year
Compute Time:	28Aug2015, 11:50:52	Control Specifications:	36 HR Storm-15 min ir

01Jun2015	00:00	0.0	37.1	22.0	104.0
01Jun2015	00:15	0.0	35.1	21.9	87.8
01Jun2015	00:30	0.0	33.5	21.8	74.9
01Jun2015	00:45	0.3	32.0	21.7	64.3
01Jun2015	01:00	1.0	30.8	21.7	55.7
01Jun2015	01:15	1.7	29.8	21.6	48.7
01Jun2015	01:30	2.2	28.9	21.6	42.9
01Jun2015	01:45	2.7	28.1	21.5	38.1
01Jun2015	02:00	3.1	27.4	21.5	34.1
01Jun2015	02:15	3.5	26.8	21.4	30.7
01Jun2015	02:30	3.9	26.3	21.4	27.8
01Jun2015	02:45	4.3	25.8	21.4	25.3
01Jun2015	03:00	4.7	25.4	21.4	23.2
01Jun2015	03:15	5.0	25.0	21.3	21.4
01Jun2015	03:30	5.3	24.7	21.3	19.8
01Jun2015	03:45	5.7	24.4	21.3	18.4
01Jun2015	04:00	6.0	24.2	21.3	17.3
01Jun2015	04:15	6.3	24.0	21.3	16.3
01Jun2015	04:30	6.6	23.8	21.3	15.4
01Jun2015	04:45	7.0	23.6	21.3	14.7
01Jun2015	05:00	7.1	23.4	21.3	14.0
01Jun2015	05:15	7.6	23.3	21.3	13.4
01Jun2015	05:30	7.8	23.2	21.2	13.0
01Jun2015	05:45	8.1	23.1	21.2	12.5
01Jun2015	06:00	8.3	23.0	21.2	12.2

01Jun2015	06:15	8.8	22.9	21.2	11.9
01Jun2015	06:30	9.4	22.9	21.2	11.7
01Jun2015	06:45	10.2	22.8	21.2	11.5
01Jun2015	07:00	11.0	22.8	21.2	11.4
01Jun2015	07:15	11.7	22.8	21.2	11.4
01Jun2015	07:30	12.5	22.8	21.2	11.5
01Jun2015	07:45	13.8	22.9	21.2	11.6
01Jun2015	08:00	16.4	22.9	21.2	11.9
01Jun2015	08:15	21.4	23.1	21.2	12.5
01Jun2015	08:30	30.5	23.3	21.3	13.6
01Jun2015	08:45	43.7	23.8	21.3	15.6
01Jun2015	09:00	61.2	24.5	21.3	19.0
01Jun2015	09:15	82.6	25.6	21.4	24.1
01Jun2015	09:30	108.3	27.0	21.5	31.7
01Jun2015	09:45	138.4	28.7	21.5	42.3
01Jun2015	10:00	172.6	30.9	21.7	56.7
01Jun2015	10:15	212.0	33.5	21.8	75.5
01Jun2015	10:30	258.1	36.6	22.0	99.6
01Jun2015	10:45	312.3	40.2	22.1	115.9
01Jun2015	11:00	377.1	44.8	22.2	134.1
01Jun2015	11:15	461.4	50.4	22.3	157.8
01Jun2015	11:30	578.1	57.6	22.5	189.6
01Jun2015	11:45	834.9	67.8	22.7	238.1
01Jun2015	12:00	1603.2	87.0	23.2	343.9
01Jun2015	12:15	3083.8	125.3	24.1	626.2
01Jun2015	12:30	4640.5	187.4	25.3	1099.0
01Jun2015	12:45	5394.3	260.7	26.6	1830.4
01Jun2015	13:00	5077.9	322.3	27.7	2776.1
01Jun2015	13:15	4182.8	352.2	28.2	3539.3
01Jun2015	13:30	3255.7	355.0	28.2	3614.3
01Jun2015	13:45	2529.6	343.3	28.0	3311.2

01Jun2015	14:00	2013.5	326.6	27.7	2878.5
01Jun2015	14:15	1656.6	309.4	27.4	2488.0
01Jun2015	14:30	1407.4	292.9	27.1	2190.8
01Jun2015	14:45	1229.3	276.9	26.9	2005.9
01Jun2015	15:00	1098.8	261.3	26.6	1837.3
01Jun2015	15:15	998.2	246.7	26.3	1684.2
01Jun2015	15:30	916.2	233.1	26.1	1547.7
01Jun2015	15:45	845.1	220.6	25.9	1421.7
01Jun2015	16:00	780.0	209.3	25.7	1306.5
01Jun2015	16:15	719.5	198.8	25.5	1205.1
01Jun2015	16:30	663.4	189.2	25.3	1115.2
01Jun2015	16:45	613.4	180.2	25.1	1035.4
01Jun2015	17:00	570.2	171.8	25.0	965.7
01Jun2015	17:15	533.2	163.9	24.8	904.1
01Jun2015	17:30	501.1	156.5	24.7	847.8
01Jun2015	17:45	472.1	149.5	24.6	796.3
01Jun2015	18:00	444.7	143.1	24.4	749.2
01Jun2015	18:15	418.2	137.0	24.3	705.9
01Jun2015	18:30	393.4	131.2	24.2	665.8
01Jun2015	18:45	371.7	125.7	24.1	628.8
01Jun2015	19:00	354.4	120.6	24.0	594.8
01Jun2015	19:15	340.6	115.9	23.9	556.5
01Jun2015	19:30	329.1	111.7	23.8	522.5
01Jun2015	19:45	318.9	107.9	23.7	492.8
01Jun2015	20:00	309.8	104.5	23.6	466.7
01Jun2015	20:15	301.9	101.4	23.5	443.6
01Jun2015	20:30	294.5	98.6	23.5	423.2
01Jun2015	20:45	287.2	96.0	23.4	405.1
01Jun2015	21:00	279.6	93.7	23.4	388.7
01Jun2015	21:15	272.1	91.5	23.3	373.8
01Jun2015	21:30	265.3	89.5	23.3	360.3

01Jun2015	21:45	259.3	87.6	23.2	347.9
01Jun2015	22:00	254.2	85.8	23.2	336.6
01Jun2015	22:15	249.0	84.2	23.1	326.3
01Jun2015	22:30	243.7	82.6	23.1	316.9
01Jun2015	22:45	237.7	81.1	23.1	308.1
01Jun2015	23:00	231.3	79.7	23.0	299.8
01Jun2015	23:15	225.0	78.3	23.0	292.2
01Jun2015	23:30	218.8	76.9	23.0	284.9
01Jun2015	23:45	213.2	75.6	22.9	277.8
02Jun2015	00:00	207.6	74.2	22.9	271.0
02Jun2015	00:15	193.4	72.9	22.9	263.9
02Jun2015	00:30	167.4	71.2	22.8	255.5
02Jun2015	00:45	128.4	69.1	22.8	244.9
02Jun2015	01:00	87.1	66.4	22.7	231.6
02Jun2015	01:15	53.4	63.2	22.6	216.2
02Jun2015	01:30	30.8	59.8	22.5	200.0
02Jun2015	01:45	17.3	56.4	22.5	184.0
02Jun2015	02:00	9.5	53.0	22.4	168.9
02Jun2015	02:15	5.2	49.8	22.3	155.0
02Jun2015	02:30	2.8	46.8	22.2	142.4
02Jun2015	02:45	1.5	44.0	22.2	131.0
02Jun2015	03:00	0.7	41.5	22.1	120.7
02Jun2015	03:15	0.3	39.1	22.0	111.4
02Jun2015	03:30	0.1	36.9	22.0	101.8
02Jun2015	03:45	0.1	34.9	21.9	86.1
02Jun2015	04:00	0.0	33.3	21.8	73.5
02Jun2015	04:15	0.0	31.9	21.7	63.2
02Jun2015	04:30	0.0	30.7	21.7	54.7
02Jun2015	04:45	0.0	29.6	21.6	47.7
02Jun2015	05:00	0.0	28.7	21.5	41.9
02Jun2015	05:15	0.0	27.9	21.5	36.9

02Jun2015	05:30	0.0	27.1	21.5	32.7
02Jun2015	05:45	0.0	26.5	21.4	29.1
02Jun2015	06:00	0.0	25.9	21.4	26.1
02Jun2015	06:15	0.0	25.4	21.4	23.4
02Jun2015	06:30	0.0	25.0	21.3	21.1
02Jun2015	06:45	0.0	24.6	21.3	19.1
02Jun2015	07:00	0.0	24.2	21.3	17.3
02Jun2015	07:15	0.0	23.8	21.3	15.8
02Jun2015	07:30	0.0	23.5	21.3	14.4
02Jun2015	07:45	0.0	23.2	21.3	13.2
02Jun2015	08:00	0.0	23.0	21.2	12.1
02Jun2015	08:15	0.0	22.7	21.2	11.1
02Jun2015	08:30	0.0	22.5	21.2	10.2
02Jun2015	08:45	0.0	22.3	21.2	9.5
02Jun2015	09:00	0.0	22.1	21.2	8.8
02Jun2015	09:15	0.0	22.0	21.2	8.1
02Jun2015	09:30	0.0	21.8	21.2	7.5
02Jun2015	09:45	0.0	21.6	21.2	7.0
02Jun2015	10:00	0.0	21.5	21.2	6.6
02Jun2015	10:15	0.0	21.4	21.2	6.1
02Jun2015	10:30	0.0	21.2	21.1	5.7
02Jun2015	10:45	0.0	21.1	21.1	5.4
02Jun2015	11:00	0.0	21.0	21.1	5.0
02Jun2015	11:15	0.0	20.9	21.1	4.7
02Jun2015	11:30	0.0	20.8	21.1	4.4
02Jun2015	11:45	0.0	20.7	21.1	4.2
02Jun2015	12:00	0.0	20.7	21.1	3.9

Project: hempstead lake
Simulation Run: 007 Proposed 100 year Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 28Aug2015, 11:50:52 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	264.0	18.0	18.1
01Jun2015	00:15	95.9	264.7	18.0	18.4
01Jun2015	00:30	81.4	266.1	18.0	18.9
01Jun2015	00:45	70.0	267.3	18.0	19.4
01Jun2015	01:00	61.4	268.2	18.0	19.8
01Jun2015	01:15	54.6	269.0	18.1	20.1
01Jun2015	01:30	49.1	269.7	18.1	20.3
01Jun2015	01:45	44.5	270.2	18.1	20.5
01Jun2015	02:00	40.6	270.7	18.1	20.7
01Jun2015	02:15	37.4	271.0	18.1	20.8
01Jun2015	02:30	34.9	271.4	18.1	20.9
01Jun2015	02:45	32.8	271.6	18.1	21.0
01Jun2015	03:00	31.0	271.8	18.1	21.1
01Jun2015	03:15	29.6	272.0	18.1	21.2
01Jun2015	03:30	28.4	272.2	18.1	21.2
01Jun2015	03:45	26.9	272.3	18.1	21.3
01Jun2015	04:00	26.4	272.4	18.1	21.3
01Jun2015	04:15	25.8	272.5	18.1	21.4
01Jun2015	04:30	25.4	272.6	18.1	21.4
01Jun2015	04:45	25.1	272.7	18.1	21.4
01Jun2015	05:00	24.6	272.8	18.1	21.4
01Jun2015	05:15	24.7	272.8	18.1	21.5
01Jun2015	05:30	24.5	272.9	18.1	21.5
01Jun2015	05:45	24.5	273.0	18.1	21.5
01Jun2015	06:00	24.5	273.0	18.1	21.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	24.8	273.1	18.1	21.5
01Jun2015	06:30	25.6	273.2	18.1	21.6
01Jun2015	06:45	26.5	273.3	18.1	21.6
01Jun2015	07:00	27.6	273.4	18.1	21.6
01Jun2015	07:15	28.6	273.5	18.1	21.7
01Jun2015	07:30	29.7	273.7	18.1	21.7
01Jun2015	07:45	30.9	273.8	18.1	21.8
01Jun2015	08:00	32.5	274.0	18.1	21.9
01Jun2015	08:15	34.3	274.3	18.1	22.0
01Jun2015	08:30	37.7	274.6	18.1	22.1
01Jun2015	08:45	41.5	274.9	18.1	22.2
01Jun2015	09:00	46.8	275.4	18.1	22.3
01Jun2015	09:15	53.4	275.9	18.1	22.5
01Jun2015	09:30	62.1	276.7	18.1	22.8
01Jun2015	09:45	73.9	277.6	18.2	23.1
01Jun2015	10:00	88.9	278.8	18.2	23.5
01Jun2015	10:15	109.0	280.4	18.2	24.0
01Jun2015	10:30	135.2	282.4	18.2	24.6
01Jun2015	10:45	160.5	284.9	18.2	25.3
01Jun2015	11:00	183.0	287.9	18.3	26.2
01Jun2015	11:15	215.0	291.5	18.3	27.2
01Jun2015	11:30	261.9	295.8	18.4	28.4
01Jun2015	11:45	390.0	302.0	18.4	30.0
01Jun2015	12:00	727.1	312.9	18.6	32.6
01Jun2015	12:15	1031.9	330.3	18.8	36.4
01Jun2015	12:30	1263.3	353.2	19.0	40.9
01Jun2015	12:45	1766.2	383.6	19.4	46.1
01Jun2015	13:00	2540.8	427.1	19.9	52.8
01Jun2015	13:15	3336.7	486.7	20.4	59.5
01Jun2015	13:30	3738.7	558.5	21.1	66.4
01Jun2015	13:45	3517.9	632.0	21.8	72.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	3215.3	699.4	22.4	125.5
01Jun2015	14:15	2809.6	758.8	22.9	152.0
01Jun2015	14:30	2463.5	809.9	23.3	170.0
01Jun2015	14:45	2184.4	854.3	23.7	183.7
01Jun2015	15:00	2000.1	893.6	24.0	194.9
01Jun2015	15:15	1833.2	929.1	24.3	203.8
01Jun2015	15:30	1682.9	961.1	24.6	211.5
01Jun2015	15:45	1546.4	990.0	24.8	218.2
01Jun2015	16:00	1420.3	1016.1	25.0	224.0
01Jun2015	16:15	1307.8	1039.6	25.2	229.1
01Jun2015	16:30	1208.5	1060.8	25.4	233.6
01Jun2015	16:45	1120.6	1080.0	25.5	237.6
01Jun2015	17:00	1043.1	1097.4	25.7	241.1
01Jun2015	17:15	975.0	1113.3	25.8	244.3
01Jun2015	17:30	913.7	1127.7	25.9	247.2
01Jun2015	17:45	857.7	1140.9	26.0	249.8
01Jun2015	18:00	805.3	1152.9	26.1	252.0
01Jun2015	18:15	758.2	1163.8	26.2	254.0
01Jun2015	18:30	715.4	1173.8	26.2	255.8
01Jun2015	18:45	676.4	1182.8	26.3	257.4
01Jun2015	19:00	640.0	1191.1	26.4	258.9
01Jun2015	19:15	602.7	1198.6	26.4	260.2
01Jun2015	19:30	566.0	1205.3	26.5	261.4
01Jun2015	19:45	533.1	1211.2	26.5	262.5
01Jun2015	20:00	504.5	1216.5	26.6	263.4
01Jun2015	20:15	479.0	1221.2	26.6	264.2
01Jun2015	20:30	456.4	1225.4	26.6	265.0
01Jun2015	20:45	436.5	1229.1	26.7	265.6
01Jun2015	21:00	418.9	1232.5	26.7	266.2
01Jun2015	21:15	402.7	1235.5	26.7	266.7
01Jun2015	21:30	388.2	1238.1	26.7	267.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	378.2	1240.5	26.8	267.6
01Jun2015	22:00	362.7	1242.6	26.8	268.0
01Jun2015	22:15	344.0	1244.4	26.8	268.3
01Jun2015	22:30	339.4	1245.9	26.8	268.5
01Jun2015	22:45	326.3	1247.2	26.8	268.7
01Jun2015	23:00	320.0	1248.4	26.8	268.9
01Jun2015	23:15	310.1	1249.3	26.8	269.1
01Jun2015	23:30	303.6	1250.1	26.8	269.2
01Jun2015	23:45	295.3	1250.7	26.8	269.3
02Jun2015	00:00	288.3	1251.2	26.8	269.4
02Jun2015	00:15	274.7	1251.4	26.8	269.5
02Jun2015	00:30	263.8	1251.4	26.8	269.5
02Jun2015	00:45	250.9	1251.2	26.8	269.4
02Jun2015	01:00	236.1	1250.6	26.8	269.3
02Jun2015	01:15	225.7	1249.8	26.8	269.2
02Jun2015	01:30	209.1	1248.8	26.8	269.0
02Jun2015	01:45	192.6	1247.4	26.8	268.8
02Jun2015	02:00	176.8	1245.6	26.8	268.5
02Jun2015	02:15	162.2	1243.6	26.8	268.1
02Jun2015	02:30	148.9	1241.3	26.8	267.7
02Jun2015	02:45	136.8	1238.7	26.7	267.3
02Jun2015	03:00	125.9	1235.9	26.7	266.8
02Jun2015	03:15	116.1	1232.9	26.7	266.3
02Jun2015	03:30	106.6	1229.7	26.7	265.7
02Jun2015	03:45	94.0	1226.3	26.7	265.1
02Jun2015	04:00	79.8	1222.6	26.6	264.5
02Jun2015	04:15	68.3	1218.7	26.6	263.8
02Jun2015	04:30	59.0	1214.5	26.6	263.1
02Jun2015	04:45	51.2	1210.3	26.5	262.3
02Jun2015	05:00	44.8	1205.8	26.5	261.5
02Jun2015	05:15	39.4	1201.3	26.5	260.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	34.8	1196.7	26.4	259.9
02Jun2015	05:45	30.9	1192.0	26.4	259.1
02Jun2015	06:00	27.6	1187.3	26.4	258.2
02Jun2015	06:15	24.7	1182.5	26.3	257.4
02Jun2015	06:30	22.2	1177.7	26.3	256.5
02Jun2015	06:45	20.1	1172.8	26.2	255.6
02Jun2015	07:00	18.2	1167.9	26.2	254.7
02Jun2015	07:15	16.5	1163.0	26.2	253.8
02Jun2015	07:30	15.1	1158.1	26.1	252.9
02Jun2015	07:45	13.8	1153.2	26.1	252.0
02Jun2015	08:00	12.6	1148.3	26.1	251.1
02Jun2015	08:15	11.6	1143.4	26.0	250.2
02Jun2015	08:30	10.7	1138.4	26.0	249.3
02Jun2015	08:45	9.6	1133.5	25.9	248.3
02Jun2015	09:00	9.0	1128.6	25.9	247.3
02Jun2015	09:15	8.3	1123.6	25.9	246.4
02Jun2015	09:30	7.7	1118.7	25.8	245.4
02Jun2015	09:45	7.2	1113.8	25.8	244.4
02Jun2015	10:00	6.7	1108.9	25.7	243.5
02Jun2015	10:15	6.3	1104.0	25.7	242.5
02Jun2015	10:30	5.9	1099.2	25.7	241.5
02Jun2015	10:45	5.5	1094.3	25.6	240.5
02Jun2015	11:00	5.2	1089.5	25.6	239.5
02Jun2015	11:15	4.8	1084.6	25.5	238.5
02Jun2015	11:30	4.6	1079.8	25.5	237.5
02Jun2015	11:45	4.3	1075.0	25.5	236.5
02Jun2015	12:00	4.0	1070.2	25.4	235.6

Project: hempstead lake
Simulation Run: 007 Proposed 100 year Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 28Aug2015, 11:50:52 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	18.1	107.5	12.0	0.0
01Jun2015	00:15	18.3	107.8	12.0	0.1
01Jun2015	00:30	18.9	108.2	12.0	0.4
01Jun2015	00:45	19.4	108.6	12.1	0.8
01Jun2015	01:00	20.0	109.0	12.1	1.2
01Jun2015	01:15	20.6	109.4	12.1	1.7
01Jun2015	01:30	21.0	109.8	12.1	2.2
01Jun2015	01:45	21.4	110.1	12.1	2.8
01Jun2015	02:00	21.7	110.5	12.1	3.4
01Jun2015	02:15	22.0	110.9	12.2	4.1
01Jun2015	02:30	22.2	111.3	12.2	4.7
01Jun2015	02:45	22.5	111.6	12.2	5.4
01Jun2015	03:00	22.7	112.0	12.2	6.1
01Jun2015	03:15	22.9	112.3	12.2	6.8
01Jun2015	03:30	23.1	112.6	12.2	7.5
01Jun2015	03:45	23.3	113.0	12.2	8.2
01Jun2015	04:00	23.4	113.3	12.3	8.9
01Jun2015	04:15	23.6	113.6	12.3	9.5
01Jun2015	04:30	23.8	113.8	12.3	10.2
01Jun2015	04:45	24.0	114.1	12.3	10.9
01Jun2015	05:00	24.1	114.4	12.3	11.5
01Jun2015	05:15	24.3	114.6	12.3	12.2
01Jun2015	05:30	24.4	114.9	12.3	12.8
01Jun2015	05:45	24.6	115.1	12.3	13.4
01Jun2015	06:00	24.8	115.3	12.4	14.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	25.0	115.6	12.4	14.6
01Jun2015	06:30	25.3	115.8	12.4	15.2
01Jun2015	06:45	25.7	116.0	12.4	15.8
01Jun2015	07:00	26.1	116.2	12.4	16.3
01Jun2015	07:15	26.5	116.4	12.4	16.9
01Jun2015	07:30	26.9	116.6	12.4	17.5
01Jun2015	07:45	27.3	116.8	12.4	18.0
01Jun2015	08:00	27.9	117.0	12.4	18.6
01Jun2015	08:15	28.5	117.2	12.4	19.2
01Jun2015	08:30	29.4	117.4	12.4	19.7
01Jun2015	08:45	30.4	117.6	12.4	20.3
01Jun2015	09:00	31.7	117.8	12.5	21.0
01Jun2015	09:15	33.2	118.0	12.5	21.7
01Jun2015	09:30	35.1	118.3	12.5	22.5
01Jun2015	09:45	37.5	118.5	12.5	23.3
01Jun2015	10:00	40.6	118.8	12.5	24.3
01Jun2015	10:15	44.5	119.2	12.5	25.5
01Jun2015	10:30	49.6	119.6	12.5	26.9
01Jun2015	10:45	55.7	120.2	12.6	28.7
01Jun2015	11:00	63.0	120.8	12.6	30.8
01Jun2015	11:15	72.7	121.5	12.6	33.4
01Jun2015	11:30	86.3	122.4	12.7	36.7
01Jun2015	11:45	120.2	123.7	12.7	41.7
01Jun2015	12:00	221.7	126.3	12.8	51.9
01Jun2015	12:15	342.6	130.9	13.0	71.8
01Jun2015	12:30	450.9	137.3	13.3	103.1
01Jun2015	12:45	572.6	145.2	13.7	147.2
01Jun2015	13:00	603.6	153.8	14.1	199.2
01Jun2015	13:15	545.8	161.1	14.4	243.5
01Jun2015	13:30	465.4	166.2	14.6	276.1
01Jun2015	13:45	401.4	169.2	14.7	296.2

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	370.7	171.0	14.8	307.9
01Jun2015	14:15	363.6	172.1	14.8	315.7
01Jun2015	14:30	352.9	172.9	14.8	321.4
01Jun2015	14:45	343.1	173.4	14.9	324.9
01Jun2015	15:00	332.5	173.7	14.9	326.6
01Jun2015	15:15	324.5	173.7	14.9	326.9
01Jun2015	15:30	320.3	173.6	14.9	326.3
01Jun2015	15:45	317.9	173.5	14.9	325.3
01Jun2015	16:00	316.1	173.3	14.8	324.2
01Jun2015	16:15	314.5	173.2	14.8	323.0
01Jun2015	16:30	312.9	173.0	14.8	321.8
01Jun2015	16:45	311.3	172.8	14.8	320.5
01Jun2015	17:00	309.9	172.6	14.8	319.2
01Jun2015	17:15	308.5	172.4	14.8	317.9
01Jun2015	17:30	307.4	172.2	14.8	316.5
01Jun2015	17:45	306.4	172.0	14.8	315.3
01Jun2015	18:00	306.1	171.9	14.8	314.1
01Jun2015	18:15	305.7	171.7	14.8	313.0
01Jun2015	18:30	304.2	171.5	14.8	311.9
01Jun2015	18:45	303.8	171.4	14.8	310.9
01Jun2015	19:00	302.6	171.2	14.8	309.9
01Jun2015	19:15	302.3	171.1	14.8	308.9
01Jun2015	19:30	301.5	171.0	14.8	308.0
01Jun2015	19:45	301.4	170.8	14.7	307.1
01Jun2015	20:00	300.9	170.7	14.7	306.4
01Jun2015	20:15	300.9	170.6	14.7	305.6
01Jun2015	20:30	300.4	170.5	14.7	305.0
01Jun2015	20:45	300.3	170.4	14.7	304.4
01Jun2015	21:00	299.8	170.3	14.7	303.8
01Jun2015	21:15	299.6	170.3	14.7	303.3
01Jun2015	21:30	299.2	170.2	14.7	302.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	298.9	170.1	14.7	302.3
01Jun2015	22:00	298.5	170.1	14.7	301.8
01Jun2015	22:15	298.1	170.0	14.7	301.4
01Jun2015	22:30	297.7	169.9	14.7	300.9
01Jun2015	22:45	297.3	169.9	14.7	300.5
01Jun2015	23:00	296.8	169.8	14.7	300.0
01Jun2015	23:15	296.3	169.7	14.7	299.6
01Jun2015	23:30	295.7	169.6	14.7	299.1
01Jun2015	23:45	295.2	169.6	14.7	298.6
02Jun2015	00:00	294.5	169.5	14.7	298.1
02Jun2015	00:15	292.4	169.4	14.7	297.5
02Jun2015	00:30	290.2	169.3	14.7	296.7
02Jun2015	00:45	287.6	169.1	14.7	295.7
02Jun2015	01:00	284.5	169.0	14.7	294.5
02Jun2015	01:15	281.3	168.7	14.7	293.0
02Jun2015	01:30	278.3	168.5	14.7	291.3
02Jun2015	01:45	275.7	168.2	14.6	289.4
02Jun2015	02:00	273.6	167.9	14.6	287.5
02Jun2015	02:15	272.0	167.6	14.6	285.6
02Jun2015	02:30	270.6	167.4	14.6	283.8
02Jun2015	02:45	269.5	167.1	14.6	282.1
02Jun2015	03:00	268.5	166.8	14.6	280.4
02Jun2015	03:15	267.7	166.6	14.6	278.8
02Jun2015	03:30	266.9	166.4	14.6	277.4
02Jun2015	03:45	266.1	166.2	14.6	276.0
02Jun2015	04:00	265.3	166.0	14.5	274.7
02Jun2015	04:15	264.5	165.8	14.5	273.4
02Jun2015	04:30	263.7	165.6	14.5	272.3
02Jun2015	04:45	262.8	165.4	14.5	271.1
02Jun2015	05:00	262.0	165.3	14.5	270.0
02Jun2015	05:15	261.1	165.1	14.5	269.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	260.3	164.9	14.5	267.9
02Jun2015	05:45	259.4	164.8	14.5	266.9
02Jun2015	06:00	258.5	164.6	14.5	265.9
02Jun2015	06:15	257.7	164.5	14.5	264.9
02Jun2015	06:30	256.8	164.3	14.5	264.0
02Jun2015	06:45	255.9	164.2	14.5	263.0
02Jun2015	07:00	255.0	164.0	14.5	262.1
02Jun2015	07:15	254.1	163.9	14.5	261.1
02Jun2015	07:30	253.2	163.7	14.5	260.2
02Jun2015	07:45	252.2	163.6	14.5	259.3
02Jun2015	08:00	251.3	163.4	14.4	258.3
02Jun2015	08:15	250.4	163.3	14.4	257.4
02Jun2015	08:30	249.5	163.2	14.4	256.5
02Jun2015	08:45	248.5	163.0	14.4	255.5
02Jun2015	09:00	247.5	162.9	14.4	254.6
02Jun2015	09:15	246.5	162.7	14.4	253.7
02Jun2015	09:30	245.6	162.6	14.4	252.7
02Jun2015	09:45	244.6	162.4	14.4	251.8
02Jun2015	10:00	243.6	162.3	14.4	250.8
02Jun2015	10:15	242.6	162.1	14.4	249.9
02Jun2015	10:30	241.6	162.0	14.4	248.9
02Jun2015	10:45	240.6	161.8	14.4	248.0
02Jun2015	11:00	239.7	161.7	14.4	247.0
02Jun2015	11:15	238.7	161.5	14.4	246.1
02Jun2015	11:30	237.7	161.4	14.4	245.1
02Jun2015	11:45	236.7	161.2	14.4	244.1
02Jun2015	12:00	235.7	161.0	14.3	243.2

Project: hempstead lake
Simulation Run: 007 Proposed 100 year Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: 100 year
Compute Time: 28Aug2015, 11:50:52 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	178.9	100.6	5.7	34.7
01Jun2015	00:30	83.6	102.4	5.8	54.4
01Jun2015	00:45	46.5	102.5	5.8	56.7
01Jun2015	01:00	29.5	102.2	5.8	52.6
01Jun2015	01:15	20.8	101.7	5.8	46.8
01Jun2015	01:30	16.0	101.2	5.7	41.0
01Jun2015	01:45	13.2	100.7	5.7	35.9
01Jun2015	02:00	11.6	100.2	5.7	31.4
01Jun2015	02:15	10.7	99.9	5.7	27.8
01Jun2015	02:30	10.3	99.5	5.7	24.8
01Jun2015	02:45	10.3	99.3	5.7	22.3
01Jun2015	03:00	10.5	99.0	5.6	20.4
01Jun2015	03:15	10.7	98.9	5.6	18.8
01Jun2015	03:30	11.2	98.7	5.6	17.6
01Jun2015	03:45	11.7	98.6	5.6	16.6
01Jun2015	04:00	12.2	98.5	5.6	15.9
01Jun2015	04:15	12.8	98.4	5.6	15.4
01Jun2015	04:30	13.5	98.4	5.6	15.1
01Jun2015	04:45	14.0	98.4	5.6	14.9
01Jun2015	05:00	14.6	98.4	5.6	14.8
01Jun2015	05:15	15.6	98.4	5.6	14.8
01Jun2015	05:30	16.3	98.4	5.6	15.0
01Jun2015	05:45	16.9	98.4	5.6	15.2
01Jun2015	06:00	17.6	98.5	5.6	15.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	18.2	98.5	5.6	15.9
01Jun2015	06:30	19.0	98.5	5.6	16.3
01Jun2015	06:45	19.8	98.6	5.6	16.8
01Jun2015	07:00	20.7	98.7	5.6	17.3
01Jun2015	07:15	21.4	98.7	5.6	17.9
01Jun2015	07:30	22.3	98.8	5.6	18.5
01Jun2015	07:45	23.1	98.9	5.6	19.2
01Jun2015	08:00	24.0	99.0	5.6	19.9
01Jun2015	08:15	24.9	99.1	5.6	20.6
01Jun2015	08:30	26.2	99.2	5.7	21.4
01Jun2015	08:45	27.8	99.3	5.7	22.3
01Jun2015	09:00	30.0	99.4	5.7	23.4
01Jun2015	09:15	33.5	99.5	5.7	24.9
01Jun2015	09:30	40.0	99.8	5.7	26.9
01Jun2015	09:45	51.1	100.1	5.7	30.3
01Jun2015	10:00	68.0	100.7	5.7	35.8
01Jun2015	10:15	91.4	101.5	5.8	44.5
01Jun2015	10:30	121.9	102.6	5.8	57.7
01Jun2015	10:45	159.8	104.1	5.9	77.0
01Jun2015	11:00	205.6	106.0	6.0	103.6
01Jun2015	11:15	262.0	108.4	6.1	136.5
01Jun2015	11:30	333.1	111.3	6.2	179.1
01Jun2015	11:45	452.5	115.0	6.3	240.3
01Jun2015	12:00	737.5	121.1	6.6	352.2
01Jun2015	12:15	1230.9	131.8	7.0	577.3
01Jun2015	12:30	1586.6	145.3	7.6	912.7
01Jun2015	12:45	1894.3	158.4	8.1	1275.1
01Jun2015	13:00	2124.1	170.0	8.5	1595.5
01Jun2015	13:15	2292.7	179.5	8.8	1875.8
01Jun2015	13:30	2402.5	186.8	9.1	2099.2
01Jun2015	13:45	2474.9	192.1	9.3	2266.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2508.0	195.6	9.4	2379.5
01Jun2015	14:15	2512.9	197.6	9.5	2445.8
01Jun2015	14:30	2502.3	198.5	9.5	2477.2
01Jun2015	14:45	2469.3	198.7	9.5	2481.6
01Jun2015	15:00	2424.7	198.1	9.5	2464.0
01Jun2015	15:15	2367.9	197.1	9.5	2429.6
01Jun2015	15:30	2288.5	195.5	9.4	2378.3
01Jun2015	15:45	2194.1	193.4	9.3	2309.5
01Jun2015	16:00	2080.3	190.7	9.2	2223.6
01Jun2015	16:15	1937.9	187.4	9.1	2117.9
01Jun2015	16:30	1750.7	183.1	9.0	1984.9
01Jun2015	16:45	1527.9	177.7	8.8	1820.1
01Jun2015	17:00	1249.3	171.0	8.5	1623.2
01Jun2015	17:15	968.9	162.9	8.2	1396.2
01Jun2015	17:30	865.6	155.3	8.0	1189.8
01Jun2015	17:45	812.1	149.7	7.7	1033.3
01Jun2015	18:00	774.9	145.9	7.6	929.6
01Jun2015	18:15	743.2	143.2	7.5	856.4
01Jun2015	18:30	716.1	141.1	7.4	803.1
01Jun2015	18:45	691.2	139.5	7.3	761.9
01Jun2015	19:00	669.9	138.1	7.3	728.6
01Jun2015	19:15	649.4	137.0	7.2	700.7
01Jun2015	19:30	632.8	136.0	7.2	676.8
01Jun2015	19:45	617.6	135.2	7.1	656.3
01Jun2015	20:00	604.9	134.4	7.1	638.6
01Jun2015	20:15	593.3	133.8	7.1	623.1
01Jun2015	20:30	583.5	133.2	7.1	609.6
01Jun2015	20:45	574.2	132.7	7.0	597.7
01Jun2015	21:00	566.0	132.2	7.0	587.1
01Jun2015	21:15	557.9	131.8	7.0	577.5
01Jun2015	21:30	550.7	131.4	7.0	568.6

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	543.6	131.0	7.0	560.5
01Jun2015	22:00	537.3	130.7	7.0	552.9
01Jun2015	22:15	531.1	130.4	7.0	545.9
01Jun2015	22:30	525.5	130.1	6.9	539.3
01Jun2015	22:45	519.8	129.8	6.9	533.1
01Jun2015	23:00	514.3	129.6	6.9	527.1
01Jun2015	23:15	508.7	129.3	6.9	521.3
01Jun2015	23:30	503.3	129.0	6.9	515.6
01Jun2015	23:45	497.7	128.8	6.9	510.0
02Jun2015	00:00	492.3	128.5	6.9	504.5
02Jun2015	00:15	484.4	128.3	6.9	498.6
02Jun2015	00:30	473.9	127.9	6.9	491.5
02Jun2015	00:45	459.1	127.5	6.8	482.3
02Jun2015	01:00	441.1	127.0	6.8	470.7
02Jun2015	01:15	421.7	126.3	6.8	456.5
02Jun2015	01:30	402.6	125.5	6.8	440.7
02Jun2015	01:45	384.0	124.7	6.7	424.0
02Jun2015	02:00	366.7	123.9	6.7	407.0
02Jun2015	02:15	350.7	123.1	6.7	390.3
02Jun2015	02:30	336.6	122.3	6.6	374.4
02Jun2015	02:45	324.4	121.5	6.6	359.6
02Jun2015	03:00	314.1	120.8	6.6	346.1
02Jun2015	03:15	305.5	120.2	6.5	334.1
02Jun2015	03:30	298.5	119.7	6.5	323.6
02Jun2015	03:45	292.7	119.2	6.5	314.5
02Jun2015	04:00	288.2	118.7	6.5	306.8
02Jun2015	04:15	284.4	118.4	6.5	300.2
02Jun2015	04:30	281.3	118.1	6.5	294.7
02Jun2015	04:45	278.7	117.8	6.4	290.0
02Jun2015	05:00	276.5	117.6	6.4	286.1
02Jun2015	05:15	274.5	117.4	6.4	282.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	272.8	117.3	6.4	279.9
02Jun2015	05:45	271.2	117.1	6.4	277.4
02Jun2015	06:00	269.7	117.0	6.4	275.3
02Jun2015	06:15	268.3	116.9	6.4	273.3
02Jun2015	06:30	267.0	116.8	6.4	271.5
02Jun2015	06:45	265.7	116.7	6.4	269.9
02Jun2015	07:00	264.5	116.6	6.4	268.5
02Jun2015	07:15	263.4	116.6	6.4	267.1
02Jun2015	07:30	262.3	116.5	6.4	265.8
02Jun2015	07:45	261.2	116.4	6.4	264.5
02Jun2015	08:00	260.1	116.3	6.4	263.3
02Jun2015	08:15	259.0	116.3	6.4	262.2
02Jun2015	08:30	258.0	116.2	6.4	261.1
02Jun2015	08:45	257.0	116.2	6.4	260.0
02Jun2015	09:00	256.0	116.1	6.4	258.9
02Jun2015	09:15	255.0	116.0	6.4	257.9
02Jun2015	09:30	254.0	116.0	6.4	256.8
02Jun2015	09:45	252.9	115.9	6.4	255.8
02Jun2015	10:00	252.0	115.9	6.4	254.8
02Jun2015	10:15	251.0	115.8	6.4	253.8
02Jun2015	10:30	250.0	115.7	6.4	252.8
02Jun2015	10:45	249.0	115.7	6.4	251.8
02Jun2015	11:00	248.0	115.6	6.4	250.8
02Jun2015	11:15	247.0	115.6	6.4	249.8
02Jun2015	11:30	246.0	115.5	6.4	248.8
02Jun2015	11:45	245.0	115.5	6.4	247.8
02Jun2015	12:00	244.0	115.4	6.3	246.8

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reach: Open Channel to N Pond

Start of Run:	01Jun2015, 00:00	Basin Model:	Proposed Hemp Lake
End of Run:	02Jun2015, 12:00	Meteorologic Model:	Hemp PMP
Compute Time:	28Aug2015, 10:44:38	Control Specifications:	36 HR Storm-15 min in

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.1	0.1
01Jun2015	03:30	0.8	0.6
01Jun2015	03:45	3.5	2.5
01Jun2015	04:00	10.0	7.7
01Jun2015	04:15	21.0	17.1
01Jun2015	04:30	35.8	30.4
01Jun2015	04:45	52.7	46.5
01Jun2015	05:00	70.5	63.8
01Jun2015	05:15	88.8	81.9
01Jun2015	05:30	108.1	100.7
01Jun2015	05:45	127.9	120.2
01Jun2015	06:00	147.5	139.8

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	173.4	163.2
01Jun2015	06:30	217.4	199.8
01Jun2015	06:45	276.6	252.3
01Jun2015	07:00	338.7	312.5
01Jun2015	07:15	397.3	371.9
01Jun2015	07:30	454.2	429.2
01Jun2015	07:45	509.6	484.9
01Jun2015	08:00	560.9	538.0
01Jun2015	08:15	610.0	588.5
01Jun2015	08:30	662.8	640.4
01Jun2015	08:45	718.3	695.2
01Jun2015	09:00	770.6	749.1
01Jun2015	09:15	821.8	801.2
01Jun2015	09:30	880.8	857.6
01Jun2015	09:45	944.7	919.9
01Jun2015	10:00	1004.6	981.6
01Jun2015	10:15	1063.0	1041.0
01Jun2015	10:30	1132.2	1106.7
01Jun2015	10:45	1208.0	1180.3
01Jun2015	11:00	1278.0	1252.7
01Jun2015	11:15	1345.6	1321.7
01Jun2015	11:30	1427.2	1398.9
01Jun2015	11:45	1516.6	1485.8
01Jun2015	12:00	1598.5	1570.8
01Jun2015	12:15	1706.2	1671.3
01Jun2015	12:30	1896.9	1836.1
01Jun2015	12:45	2137.0	2061.0
01Jun2015	13:00	2358.7	2290.2
01Jun2015	13:15	2619.0	2543.0
01Jun2015	13:30	3043.6	2922.6
01Jun2015	13:45	3553.7	3410.2

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	4007.8	3884.6
01Jun2015	14:15	4523.2	4392.8
01Jun2015	14:30	5335.3	5134.0
01Jun2015	14:45	6286.3	6054.2
01Jun2015	15:00	7182.6	6993.1
01Jun2015	15:15	9247.4	8849.4
01Jun2015	15:30	14042.3	13106.8
01Jun2015	15:45	19879.7	18776.5
01Jun2015	16:00	24554.9	23660.2
01Jun2015	16:15	25710.8	25414.2
01Jun2015	16:30	22650.9	23124.2
01Jun2015	16:45	17826.4	18695.5
01Jun2015	17:00	13619.6	14446.5
01Jun2015	17:15	10702.0	11315.0
01Jun2015	17:30	8624.9	9084.1
01Jun2015	17:45	7107.0	7458.6
01Jun2015	18:00	6060.9	6313.8
01Jun2015	18:15	5216.8	5427.2
01Jun2015	18:30	4227.6	4482.6
01Jun2015	18:45	3204.2	3486.6
01Jun2015	19:00	2379.9	2626.8
01Jun2015	19:15	1822.8	2003.3
01Jun2015	19:30	1476.4	1596.2
01Jun2015	19:45	1266.3	1342.5
01Jun2015	20:00	1140.7	1187.9
01Jun2015	20:15	1064.2	1093.5
01Jun2015	20:30	1008.1	1029.7
01Jun2015	20:45	963.5	980.8
01Jun2015	21:00	930.4	943.4
01Jun2015	21:15	905.6	915.4
01Jun2015	21:30	881.7	891.1

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	858.5	867.7
01Jun2015	22:00	839.4	847.0
01Jun2015	22:15	824.2	830.3
01Jun2015	22:30	808.9	815.1
01Jun2015	22:45	793.6	799.7
01Jun2015	23:00	780.7	786.0
01Jun2015	23:15	770.9	775.0
01Jun2015	23:30	762.0	765.6
01Jun2015	23:45	753.5	757.0
02Jun2015	00:00	746.3	749.2
02Jun2015	00:15	708.2	723.0
02Jun2015	00:30	592.5	639.7
02Jun2015	00:45	424.6	497.7
02Jun2015	01:00	265.4	333.9
02Jun2015	01:15	151.8	198.9
02Jun2015	01:30	83.8	110.8
02Jun2015	01:45	45.9	60.4
02Jun2015	02:00	25.1	32.8
02Jun2015	02:15	13.6	17.8
02Jun2015	02:30	7.3	9.6
02Jun2015	02:45	3.8	5.1
02Jun2015	03:00	1.8	2.6
02Jun2015	03:15	0.7	1.1
02Jun2015	03:30	0.2	0.4
02Jun2015	03:45	0.1	0.1
02Jun2015	04:00	0.0	0.0
02Jun2015	04:15	0.0	0.0
02Jun2015	04:30	0.0	0.0
02Jun2015	04:45	0.0	0.0
02Jun2015	05:00	0.0	0.0
02Jun2015	05:15	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reservoir: Combined North Ponds

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lak
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 28Aug2015, 10:44:38 Control Specifications: 36 HR Storm-15 min

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	37.1	22.0	104.0
01Jun2015	00:15	0.2	35.1	21.9	87.8
01Jun2015	00:30	3.9	33.5	21.8	75.2
01Jun2015	00:45	7.9	32.2	21.7	65.4
01Jun2015	01:00	10.6	31.1	21.7	57.8
01Jun2015	01:15	12.8	30.2	21.6	51.7
01Jun2015	01:30	14.1	29.5	21.6	46.9
01Jun2015	01:45	15.0	28.8	21.6	42.9
01Jun2015	02:00	15.6	28.3	21.5	39.6
01Jun2015	02:15	16.5	27.9	21.5	36.8
01Jun2015	02:30	17.0	27.5	21.5	34.5
01Jun2015	02:45	17.3	27.1	21.5	32.6
01Jun2015	03:00	17.5	26.8	21.4	30.9
01Jun2015	03:15	18.3	26.6	21.4	29.5
01Jun2015	03:30	19.3	26.4	21.4	28.3
01Jun2015	03:45	22.1	26.2	21.4	27.5
01Jun2015	04:00	29.1	26.2	21.4	27.3
01Jun2015	04:15	41.7	26.3	21.4	28.2
01Jun2015	04:30	58.5	26.8	21.4	30.5
01Jun2015	04:45	78.2	27.5	21.5	34.8
01Jun2015	05:00	99.3	28.5	21.5	41.1
01Jun2015	05:15	122.3	29.9	21.6	49.7
01Jun2015	05:30	145.4	31.5	21.7	60.7
01Jun2015	05:45	169.1	33.4	21.8	74.2
01Jun2015	06:00	192.6	35.4	21.9	90.0

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	233.1	37.8	22.0	106.4
01Jun2015	06:30	283.3	40.8	22.1	118.0
01Jun2015	06:45	349.9	44.7	22.2	133.8
01Jun2015	07:00	423.8	49.7	22.3	154.8
01Jun2015	07:15	499.2	55.8	22.4	181.5
01Jun2015	07:30	571.2	62.8	22.6	213.9
01Jun2015	07:45	641.3	70.5	22.8	251.7
01Jun2015	08:00	708.0	78.8	23.0	294.7
01Jun2015	08:15	775.7	87.5	23.2	347.1
01Jun2015	08:30	843.7	96.4	23.4	407.6
01Jun2015	08:45	914.7	105.4	23.6	474.1
01Jun2015	09:00	983.6	114.5	23.9	545.4
01Jun2015	09:15	1055.5	123.5	24.1	614.3
01Jun2015	09:30	1131.1	132.8	24.2	676.9
01Jun2015	09:45	1212.7	142.3	24.4	743.9
01Jun2015	10:00	1291.9	152.1	24.6	815.0
01Jun2015	10:15	1374.7	162.0	24.8	889.8
01Jun2015	10:30	1463.4	172.1	25.0	968.5
01Jun2015	10:45	1560.4	182.4	25.2	1055.0
01Jun2015	11:00	1653.3	192.9	25.4	1148.8
01Jun2015	11:15	1750.0	203.2	25.6	1247.3
01Jun2015	11:30	1854.7	213.6	25.8	1350.1
01Jun2015	11:45	1969.4	224.1	26.0	1457.8
01Jun2015	12:00	2078.8	234.7	26.1	1563.4
01Jun2015	12:15	2237.6	245.8	26.3	1675.2
01Jun2015	12:30	2469.9	258.4	26.5	1806.4
01Jun2015	12:45	2768.4	273.5	26.8	1968.3
01Jun2015	13:00	3060.8	291.0	27.1	2163.6
01Jun2015	13:15	3442.0	310.0	27.4	2500.4
01Jun2015	13:30	3967.1	329.9	27.8	2959.3
01Jun2015	13:45	4611.1	351.1	28.1	3511.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	5216.8	373.2	28.5	4121.8
01Jun2015	14:15	5969.1	395.8	28.8	4803.0
01Jun2015	14:30	6988.1	420.9	29.2	5621.6
01Jun2015	14:45	8205.8	449.7	29.7	6636.2
01Jun2015	15:00	9411.8	480.9	30.2	7762.9
01Jun2015	15:15	12477.9	526.8	30.8	9430.5
01Jun2015	15:30	18379.1	610.8	32.0	12791.6
01Jun2015	15:45	25868.7	740.8	33.7	18105.8
01Jun2015	16:00	32192.7	891.0	35.5	24426.6
01Jun2015	16:15	33755.1	1006.5	36.8	29449.1
01Jun2015	16:30	30424.2	1041.3	37.2	30988.6
01Jun2015	16:45	24527.3	992.0	36.6	28816.7
01Jun2015	17:00	19022.3	894.2	35.5	24568.2
01Jun2015	17:15	14903.9	788.3	34.3	20099.6
01Jun2015	17:30	11992.0	695.3	33.1	16170.6
01Jun2015	17:45	9883.2	620.9	32.2	13180.8
01Jun2015	18:00	8406.0	563.4	31.4	10852.6
01Jun2015	18:15	7160.0	519.0	30.7	9139.0
01Jun2015	18:30	5870.6	480.1	30.2	7735.7
01Jun2015	18:45	4541.3	442.7	29.6	6381.7
01Jun2015	19:00	3425.1	406.8	29.0	5155.2
01Jun2015	19:15	2625.3	374.0	28.5	4146.2
01Jun2015	19:30	2107.9	345.9	28.1	3375.4
01Jun2015	19:45	1785.5	322.9	27.7	2788.7
01Jun2015	20:00	1588.0	304.6	27.3	2391.6
01Jun2015	20:15	1464.2	289.5	27.1	2145.8
01Jun2015	20:30	1379.9	276.1	26.9	1996.9
01Jun2015	20:45	1315.6	264.1	26.6	1866.6
01Jun2015	21:00	1267.2	253.4	26.5	1753.8
01Jun2015	21:15	1229.1	244.0	26.3	1656.8
01Jun2015	21:30	1196.2	235.7	26.2	1573.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	1164.8	228.3	26.0	1501.0
01Jun2015	22:00	1137.9	221.8	25.9	1433.9
01Jun2015	22:15	1115.1	216.1	25.8	1374.8
01Jun2015	22:30	1094.5	211.0	25.7	1323.8
01Jun2015	22:45	1074.3	206.5	25.6	1279.4
01Jun2015	23:00	1056.6	202.5	25.5	1240.2
01Jun2015	23:15	1042.0	198.9	25.5	1205.8
01Jun2015	23:30	1029.6	195.7	25.4	1175.5
01Jun2015	23:45	1018.3	192.9	25.4	1148.9
02Jun2015	00:00	1008.3	190.3	25.3	1125.3
02Jun2015	00:15	951.1	187.6	25.3	1100.4
02Jun2015	00:30	823.5	183.5	25.2	1064.5
02Jun2015	00:45	626.1	177.1	25.1	1009.1
02Jun2015	01:00	414.2	167.8	24.9	934.5
02Jun2015	01:15	245.7	156.2	24.7	846.0
02Jun2015	01:30	137.7	143.7	24.4	753.7
02Jun2015	01:45	76.0	131.2	24.2	666.3
02Jun2015	02:00	41.9	119.5	24.0	586.7
02Jun2015	02:15	23.2	109.0	23.7	501.5
02Jun2015	02:30	12.7	99.7	23.5	431.7
02Jun2015	02:45	6.9	91.6	23.3	374.7
02Jun2015	03:00	3.6	84.5	23.1	328.4
02Jun2015	03:15	1.8	78.2	23.0	291.5
02Jun2015	03:30	0.8	72.5	22.9	261.9
02Jun2015	03:45	0.3	67.4	22.7	236.2
02Jun2015	04:00	0.1	62.7	22.6	213.6
02Jun2015	04:15	0.0	58.5	22.5	193.9
02Jun2015	04:30	0.0	54.7	22.4	176.5
02Jun2015	04:45	0.0	51.2	22.3	161.1
02Jun2015	05:00	0.0	48.0	22.3	147.5
02Jun2015	05:15	0.0	45.1	22.2	135.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	0.0	42.4	22.1	124.5
02Jun2015	05:45	0.0	39.9	22.1	114.8
02Jun2015	06:00	0.0	37.7	22.0	106.0
02Jun2015	06:15	0.0	35.6	21.9	91.6
02Jun2015	06:30	0.0	33.9	21.8	77.9
02Jun2015	06:45	0.0	32.4	21.7	66.8
02Jun2015	07:00	0.0	31.1	21.7	57.7
02Jun2015	07:15	0.0	30.0	21.6	50.2
02Jun2015	07:30	0.0	29.0	21.6	43.9
02Jun2015	07:45	0.0	28.2	21.5	38.7
02Jun2015	08:00	0.0	27.4	21.5	34.2
02Jun2015	08:15	0.0	26.7	21.4	30.4
02Jun2015	08:30	0.0	26.1	21.4	27.2
02Jun2015	08:45	0.0	25.6	21.4	24.3
02Jun2015	09:00	0.0	25.1	21.4	21.9
02Jun2015	09:15	0.0	24.7	21.3	19.8
02Jun2015	09:30	0.0	24.3	21.3	17.9
02Jun2015	09:45	0.0	24.0	21.3	16.3
02Jun2015	10:00	0.0	23.6	21.3	14.9
02Jun2015	10:15	0.0	23.3	21.3	13.6
02Jun2015	10:30	0.0	23.1	21.2	12.5
02Jun2015	10:45	0.0	22.8	21.2	11.5
02Jun2015	11:00	0.0	22.6	21.2	10.6
02Jun2015	11:15	0.0	22.4	21.2	9.7
02Jun2015	11:30	0.0	22.2	21.2	9.0
02Jun2015	11:45	0.0	22.0	21.2	8.4
02Jun2015	12:00	0.0	21.8	21.2	7.8

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reservoir: Hempstead Lake

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 28Aug2015, 10:44:38 Control Specifications: 36 HR Storm-15 min in

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	0.0	264.0	18.0	18.1
01Jun2015	00:15	96.3	264.7	18.0	18.4
01Jun2015	00:30	87.3	266.2	18.0	19.0
01Jun2015	00:45	81.9	267.5	18.0	19.5
01Jun2015	01:00	77.2	268.8	18.1	20.0
01Jun2015	01:15	73.6	269.9	18.1	20.4
01Jun2015	01:30	70.1	271.0	18.1	20.8
01Jun2015	01:45	66.9	271.9	18.1	21.1
01Jun2015	02:00	64.1	272.8	18.1	21.5
01Jun2015	02:15	62.5	273.7	18.1	21.8
01Jun2015	02:30	60.7	274.5	18.1	22.0
01Jun2015	02:45	59.0	275.3	18.1	22.3
01Jun2015	03:00	56.6	276.0	18.1	22.6
01Jun2015	03:15	56.6	276.7	18.1	22.8
01Jun2015	03:30	55.7	277.4	18.2	23.0
01Jun2015	03:45	55.1	278.1	18.2	23.2
01Jun2015	04:00	54.9	278.7	18.2	23.4
01Jun2015	04:15	56.4	279.4	18.2	23.7
01Jun2015	04:30	58.8	280.1	18.2	23.9
01Jun2015	04:45	61.6	280.9	18.2	24.1
01Jun2015	05:00	67.0	281.7	18.2	24.4
01Jun2015	05:15	76.2	282.7	18.2	24.7
01Jun2015	05:30	86.5	283.8	18.2	25.0
01Jun2015	05:45	98.9	285.2	18.2	25.4
01Jun2015	06:00	113.7	286.9	18.3	25.9

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	146.6	289.0	18.3	26.5
01Jun2015	06:30	165.4	291.7	18.3	27.3
01Jun2015	06:45	180.2	294.7	18.4	28.1
01Jun2015	07:00	199.1	298.0	18.4	29.0
01Jun2015	07:15	227.9	301.8	18.4	30.0
01Jun2015	07:30	260.4	306.2	18.5	31.0
01Jun2015	07:45	297.9	311.4	18.5	32.3
01Jun2015	08:00	340.7	317.3	18.6	33.6
01Jun2015	08:15	396.2	324.2	18.7	35.1
01Jun2015	08:30	457.0	332.3	18.8	36.8
01Jun2015	08:45	524.0	341.6	18.9	38.7
01Jun2015	09:00	596.1	352.4	19.0	40.7
01Jun2015	09:15	676.3	364.6	19.2	42.9
01Jun2015	09:30	747.4	378.4	19.3	45.3
01Jun2015	09:45	816.5	393.6	19.5	47.8
01Jun2015	10:00	889.5	410.2	19.7	50.3
01Jun2015	10:15	975.0	428.4	19.9	53.0
01Jun2015	10:30	1058.5	448.3	20.1	55.4
01Jun2015	10:45	1146.5	469.9	20.3	57.8
01Jun2015	11:00	1241.4	493.4	20.5	60.2
01Jun2015	11:15	1352.5	518.9	20.7	62.7
01Jun2015	11:30	1461.5	546.6	21.0	65.3
01Jun2015	11:45	1573.3	576.6	21.3	68.1
01Jun2015	12:00	1685.8	608.9	21.6	70.9
01Jun2015	12:15	1837.2	643.8	21.9	73.8
01Jun2015	12:30	1980.1	681.2	22.2	114.8
01Jun2015	12:45	2143.1	721.2	22.6	136.3
01Jun2015	13:00	2336.1	764.4	22.9	154.1
01Jun2015	13:15	2680.1	812.9	23.3	171.0
01Jun2015	13:30	3111.4	869.0	23.8	188.0
01Jun2015	13:45	3676.1	935.1	24.4	205.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	4270.1	1012.7	25.0	223.3
01Jun2015	14:15	5069.0	1104.4	25.7	242.5
01Jun2015	14:30	5931.5	1212.8	26.5	262.8
01Jun2015	14:45	6933.1	1340.0	27.5	284.2
01Jun2015	15:00	8090.8	1489.1	28.6	306.8
01Jun2015	15:15	10445.6	1674.0	30.0	332.2
01Jun2015	15:30	13438.6	1913.4	31.7	406.1
01Jun2015	15:45	18233.5	2229.4	33.8	690.2
01Jun2015	16:00	24454.5	2653.1	36.3	918.0
01Jun2015	16:15	29445.9	3152.3	38.4	1064.7
01Jun2015	16:30	32275.4	3637.2	40.0	1160.7
01Jun2015	16:45	31480.4	4053.0	41.0	1214.0
01Jun2015	17:00	28223.9	4359.4	41.7	1251.7
01Jun2015	17:15	23457.8	4535.2	42.0	1271.9
01Jun2015	17:30	19068.7	4595.1	42.1	1277.2
01Jun2015	17:45	15475.6	4569.9	42.1	1275.0
01Jun2015	18:00	12724.0	4488.0	42.0	1267.1
01Jun2015	18:15	10506.3	4373.4	41.7	1253.4
01Jun2015	18:30	8844.8	4243.6	41.4	1237.6
01Jun2015	18:45	7377.5	4108.1	41.1	1220.9
01Jun2015	19:00	6019.8	3969.6	40.8	1203.6
01Jun2015	19:15	4847.9	3830.7	40.4	1185.8
01Jun2015	19:30	3928.7	3694.8	40.1	1168.2
01Jun2015	19:45	3230.1	3566.6	39.8	1147.3
01Jun2015	20:00	2750.7	3453.4	39.4	1125.5
01Jun2015	20:15	2421.9	3355.3	39.1	1106.1
01Jun2015	20:30	2191.8	3270.6	38.8	1089.1
01Jun2015	20:45	2047.8	3197.8	38.6	1074.2
01Jun2015	21:00	1923.3	3135.1	38.4	1061.1
01Jun2015	21:15	1813.2	3080.5	38.2	1049.6
01Jun2015	21:30	1720.7	3032.8	38.0	1039.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	1640.7	2991.8	37.8	1027.6
01Jun2015	22:00	1569.4	2957.3	37.7	1017.2
01Jun2015	22:15	1503.4	2928.0	37.6	1008.1
01Jun2015	22:30	1446.8	2902.8	37.4	1000.3
01Jun2015	22:45	1397.9	2881.0	37.3	993.5
01Jun2015	23:00	1355.0	2861.9	37.2	987.4
01Jun2015	23:15	1316.7	2845.1	37.2	982.1
01Jun2015	23:30	1283.4	2830.1	37.1	977.3
01Jun2015	23:45	1254.2	2816.7	37.0	972.9
02Jun2015	00:00	1232.0	2804.6	37.0	969.0
02Jun2015	00:15	1175.9	2793.3	36.9	965.3
02Jun2015	00:30	1129.4	2782.4	36.9	961.8
02Jun2015	00:45	1069.5	2771.8	36.8	958.3
02Jun2015	01:00	992.4	2761.1	36.8	954.7
02Jun2015	01:15	902.5	2749.9	36.7	951.0
02Jun2015	01:30	807.3	2738.0	36.7	947.0
02Jun2015	01:45	714.6	2725.5	36.6	942.8
02Jun2015	02:00	629.3	2712.3	36.6	938.4
02Jun2015	02:15	545.7	2698.7	36.5	933.7
02Jun2015	02:30	467.5	2684.5	36.4	928.9
02Jun2015	02:45	403.8	2670.0	36.4	923.9
02Jun2015	03:00	352.0	2655.2	36.3	918.8
02Jun2015	03:15	310.2	2640.4	36.2	913.6
02Jun2015	03:30	276.9	2625.5	36.2	908.3
02Jun2015	03:45	249.1	2610.6	36.1	903.0
02Jun2015	04:00	224.7	2595.7	36.0	897.7
02Jun2015	04:15	203.7	2580.8	36.0	891.6
02Jun2015	04:30	185.1	2566.0	35.9	884.5
02Jun2015	04:45	168.8	2551.2	35.8	877.3
02Jun2015	05:00	154.3	2536.4	35.7	870.1
02Jun2015	05:15	141.4	2521.5	35.6	862.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	129.9	2506.6	35.5	855.2
02Jun2015	05:45	119.6	2491.6	35.4	847.6
02Jun2015	06:00	110.4	2476.5	35.3	839.8
02Jun2015	06:15	98.8	2461.4	35.2	831.9
02Jun2015	06:30	84.7	2446.2	35.2	823.9
02Jun2015	06:45	72.3	2430.9	35.1	815.6
02Jun2015	07:00	62.2	2415.5	35.0	807.3
02Jun2015	07:15	53.9	2400.1	34.9	798.7
02Jun2015	07:30	47.0	2384.7	34.8	790.1
02Jun2015	07:45	41.3	2369.4	34.7	781.3
02Jun2015	08:00	36.4	2354.2	34.6	772.4
02Jun2015	08:15	32.3	2339.0	34.5	763.4
02Jun2015	08:30	28.8	2324.0	34.4	754.3
02Jun2015	08:45	25.7	2309.0	34.3	745.1
02Jun2015	09:00	23.1	2294.2	34.3	735.8
02Jun2015	09:15	20.8	2279.6	34.2	726.4
02Jun2015	09:30	18.9	2265.1	34.1	716.9
02Jun2015	09:45	17.1	2250.7	34.0	707.1
02Jun2015	10:00	15.6	2236.6	33.9	696.0
02Jun2015	10:15	14.2	2222.6	33.8	684.6
02Jun2015	10:30	13.0	2208.9	33.7	673.2
02Jun2015	10:45	12.0	2195.4	33.6	662.0
02Jun2015	11:00	11.0	2182.1	33.5	647.6
02Jun2015	11:15	9.9	2169.0	33.4	633.6
02Jun2015	11:30	9.3	2156.3	33.3	620.0
02Jun2015	11:45	8.5	2143.8	33.3	607.0
02Jun2015	12:00	7.9	2131.6	33.2	594.4

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reach: R-Hemp to South

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 28Aug2015, 10:44:38 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	00:00	0.0	0.0
01Jun2015	00:15	0.0	0.0
01Jun2015	00:30	0.0	0.0
01Jun2015	00:45	0.0	0.0
01Jun2015	01:00	0.0	0.0
01Jun2015	01:15	0.0	0.0
01Jun2015	01:30	0.0	0.0
01Jun2015	01:45	0.0	0.0
01Jun2015	02:00	0.0	0.0
01Jun2015	02:15	0.0	0.0
01Jun2015	02:30	0.0	0.0
01Jun2015	02:45	0.0	0.0
01Jun2015	03:00	0.0	0.0
01Jun2015	03:15	0.0	0.0
01Jun2015	03:30	0.0	0.0
01Jun2015	03:45	0.0	0.0
01Jun2015	04:00	0.0	0.0
01Jun2015	04:15	0.0	0.0
01Jun2015	04:30	0.0	0.0
01Jun2015	04:45	0.0	0.0
01Jun2015	05:00	0.0	0.0
01Jun2015	05:15	0.0	0.0
01Jun2015	05:30	0.0	0.0
01Jun2015	05:45	0.0	0.0
01Jun2015	06:00	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	06:15	0.0	0.0
01Jun2015	06:30	0.0	0.0
01Jun2015	06:45	0.0	0.0
01Jun2015	07:00	0.0	0.0
01Jun2015	07:15	0.0	0.0
01Jun2015	07:30	0.0	0.0
01Jun2015	07:45	0.0	0.0
01Jun2015	08:00	0.0	0.0
01Jun2015	08:15	0.0	0.0
01Jun2015	08:30	0.0	0.0
01Jun2015	08:45	0.0	0.0
01Jun2015	09:00	0.0	0.0
01Jun2015	09:15	0.0	0.0
01Jun2015	09:30	0.0	0.0
01Jun2015	09:45	0.0	0.0
01Jun2015	10:00	0.0	0.0
01Jun2015	10:15	0.0	0.0
01Jun2015	10:30	0.0	0.0
01Jun2015	10:45	0.0	0.0
01Jun2015	11:00	0.0	0.0
01Jun2015	11:15	0.0	0.0
01Jun2015	11:30	0.0	0.0
01Jun2015	11:45	0.0	0.0
01Jun2015	12:00	0.0	0.0
01Jun2015	12:15	0.0	0.0
01Jun2015	12:30	0.0	0.0
01Jun2015	12:45	0.0	0.0
01Jun2015	13:00	0.0	0.0
01Jun2015	13:15	0.0	0.0
01Jun2015	13:30	0.0	0.0
01Jun2015	13:45	0.0	0.0

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	14:00	0.0	0.0
01Jun2015	14:15	0.0	0.0
01Jun2015	14:30	0.0	0.0
01Jun2015	14:45	0.0	0.0
01Jun2015	15:00	0.0	0.0
01Jun2015	15:15	0.0	0.0
01Jun2015	15:30	0.0	0.0
01Jun2015	15:45	0.0	0.0
01Jun2015	16:00	144.4	117.9
01Jun2015	16:15	3832.9	3280.6
01Jun2015	16:30	8766.9	8162.6
01Jun2015	16:45	12327.2	11939.1
01Jun2015	17:00	15199.4	14905.8
01Jun2015	17:15	16864.9	16700.5
01Jun2015	17:30	17311.8	17267.8
01Jun2015	17:45	17123.1	17141.2
01Jun2015	18:00	16464.0	16529.2
01Jun2015	18:15	15335.9	15449.5
01Jun2015	18:30	14090.5	14219.1
01Jun2015	18:45	12828.5	12962.5
01Jun2015	19:00	11581.1	11717.6
01Jun2015	19:15	10373.6	10510.1
01Jun2015	19:30	9235.9	9369.1
01Jun2015	19:45	7968.1	8123.3
01Jun2015	20:00	6739.5	6897.8
01Jun2015	20:15	5732.3	5868.9
01Jun2015	20:30	4908.6	5026.1
01Jun2015	20:45	4236.0	4335.8
01Jun2015	21:00	3684.6	3766.7
01Jun2015	21:15	3226.4	3294.9
01Jun2015	21:30	2843.1	2900.7

Date	Time	Inflow (CFS)	Outflow (CFS)
01Jun2015	21:45	2426.4	2489.4
01Jun2015	22:00	2081.9	2134.3
01Jun2015	22:15	1803.6	1846.3
01Jun2015	22:30	1576.4	1611.4
01Jun2015	22:45	1388.7	1417.9
01Jun2015	23:00	1232.1	1256.6
01Jun2015	23:15	1100.2	1121.0
01Jun2015	23:30	988.1	1005.9
01Jun2015	23:45	896.4	911.0
02Jun2015	00:00	817.9	830.5
02Jun2015	00:15	748.0	759.3
02Jun2015	00:30	683.6	694.0
02Jun2015	00:45	623.6	633.4
02Jun2015	01:00	565.7	575.2
02Jun2015	01:15	508.4	517.9
02Jun2015	01:30	451.2	460.7
02Jun2015	01:45	394.4	404.0
02Jun2015	02:00	339.1	348.5
02Jun2015	02:15	286.2	295.3
02Jun2015	02:30	236.2	244.9
02Jun2015	02:45	190.3	198.4
02Jun2015	03:00	149.6	156.9
02Jun2015	03:15	116.4	122.5
02Jun2015	03:30	89.5	94.5
02Jun2015	03:45	66.8	71.1
02Jun2015	04:00	49.0	52.4
02Jun2015	04:15	32.4	35.7
02Jun2015	04:30	17.5	20.5
02Jun2015	04:45	7.1	9.3
02Jun2015	05:00	1.0	2.4
02Jun2015	05:15	0.0	0.1

Date	Time	Inflow (CFS)	Outflow (CFS)
02Jun2015	05:30	0.0	0.0
02Jun2015	05:45	0.0	0.0
02Jun2015	06:00	0.0	0.0
02Jun2015	06:15	0.0	0.0
02Jun2015	06:30	0.0	0.0
02Jun2015	06:45	0.0	0.0
02Jun2015	07:00	0.0	0.0
02Jun2015	07:15	0.0	0.0
02Jun2015	07:30	0.0	0.0
02Jun2015	07:45	0.0	0.0
02Jun2015	08:00	0.0	0.0
02Jun2015	08:15	0.0	0.0
02Jun2015	08:30	0.0	0.0
02Jun2015	08:45	0.0	0.0
02Jun2015	09:00	0.0	0.0
02Jun2015	09:15	0.0	0.0
02Jun2015	09:30	0.0	0.0
02Jun2015	09:45	0.0	0.0
02Jun2015	10:00	0.0	0.0
02Jun2015	10:15	0.0	0.0
02Jun2015	10:30	0.0	0.0
02Jun2015	10:45	0.0	0.0
02Jun2015	11:00	0.0	0.0
02Jun2015	11:15	0.0	0.0
02Jun2015	11:30	0.0	0.0
02Jun2015	11:45	0.0	0.0
02Jun2015	12:00	0.0	0.0

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reservoir: South Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 28Aug2015, 10:44:38 Control Specifications: 36 HR Storm-15 min ir

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	18.1	107.5	12.0	0.0
01Jun2015	00:15	18.4	107.8	12.0	0.1
01Jun2015	00:30	20.2	108.2	12.0	0.4
01Jun2015	00:45	22.0	108.7	12.1	0.8
01Jun2015	01:00	23.4	109.1	12.1	1.3
01Jun2015	01:15	24.6	109.6	12.1	1.9
01Jun2015	01:30	25.5	110.0	12.1	2.6
01Jun2015	01:45	26.3	110.5	12.1	3.4
01Jun2015	02:00	26.9	111.0	12.2	4.2
01Jun2015	02:15	27.6	111.4	12.2	5.0
01Jun2015	02:30	28.3	111.9	12.2	5.9
01Jun2015	02:45	28.8	112.4	12.2	6.9
01Jun2015	03:00	29.4	112.8	12.2	7.9
01Jun2015	03:15	30.1	113.3	12.3	8.8
01Jun2015	03:30	30.7	113.7	12.3	9.9
01Jun2015	03:45	31.3	114.1	12.3	10.9
01Jun2015	04:00	31.8	114.5	12.3	11.9
01Jun2015	04:15	32.7	114.9	12.3	13.0
01Jun2015	04:30	33.6	115.3	12.4	14.0
01Jun2015	04:45	34.6	115.8	12.4	15.1
01Jun2015	05:00	35.9	116.2	12.4	16.3
01Jun2015	05:15	37.9	116.6	12.4	17.4
01Jun2015	05:30	40.0	117.0	12.4	18.7
01Jun2015	05:45	42.4	117.5	12.4	20.0
01Jun2015	06:00	45.0	117.9	12.5	21.5

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	51.9	118.5	12.5	23.1
01Jun2015	06:30	57.3	119.1	12.5	25.2
01Jun2015	06:45	63.1	119.8	12.5	27.5
01Jun2015	07:00	69.9	120.6	12.6	30.1
01Jun2015	07:15	78.5	121.5	12.6	33.2
01Jun2015	07:30	87.2	122.4	12.7	36.8
01Jun2015	07:45	96.2	123.5	12.7	40.9
01Jun2015	08:00	105.3	124.7	12.8	45.5
01Jun2015	08:15	115.5	126.0	12.8	50.7
01Jun2015	08:30	125.2	127.4	12.9	56.4
01Jun2015	08:45	135.1	128.9	13.0	62.7
01Jun2015	09:00	144.9	130.4	13.0	69.5
01Jun2015	09:15	156.2	132.0	13.1	76.9
01Jun2015	09:30	166.1	133.6	13.2	84.9
01Jun2015	09:45	177.9	135.3	13.2	93.3
01Jun2015	10:00	189.8	137.1	13.3	102.4
01Jun2015	10:15	203.4	139.0	13.4	112.1
01Jun2015	10:30	216.4	140.9	13.5	122.5
01Jun2015	10:45	228.8	142.8	13.6	133.4
01Jun2015	11:00	238.9	144.8	13.7	144.6
01Jun2015	11:15	253.9	146.8	13.8	156.3
01Jun2015	11:30	266.8	148.8	13.8	168.5
01Jun2015	11:45	282.7	150.9	13.9	181.3
01Jun2015	12:00	296.6	153.0	14.0	194.3
01Jun2015	12:15	323.1	155.2	14.1	207.5
01Jun2015	12:30	366.3	157.9	14.2	223.6
01Jun2015	12:45	425.3	161.2	14.4	244.3
01Jun2015	13:00	477.1	165.2	14.5	270.0
01Jun2015	13:15	545.8	169.9	14.7	300.8
01Jun2015	13:30	621.8	175.4	14.9	338.3
01Jun2015	13:45	715.4	181.7	15.2	383.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	811.0	189.0	15.5	438.1
01Jun2015	14:15	940.4	197.3	15.8	503.5
01Jun2015	14:30	1085.1	207.0	16.2	579.1
01Jun2015	14:45	1251.6	218.3	16.6	666.6
01Jun2015	15:00	1396.4	230.5	17.1	778.5
01Jun2015	15:15	1828.3	242.2	17.5	1225.9
01Jun2015	15:30	2489.2	252.9	17.9	1842.0
01Jun2015	15:45	3332.2	264.6	18.2	2546.0
01Jun2015	16:00	4367.7	278.2	18.6	3432.4
01Jun2015	16:15	7928.6	304.9	19.4	5463.5
01Jun2015	16:30	12874.8	351.7	20.6	9166.7
01Jun2015	16:45	16412.3	402.1	21.8	13306.6
01Jun2015	17:00	18901.0	440.7	22.5	16331.4
01Jun2015	17:15	20223.3	467.4	23.0	18415.0
01Jun2015	17:30	20296.4	480.3	23.3	19445.8
01Jun2015	17:45	19776.5	478.8	23.2	19323.6
01Jun2015	18:00	18913.6	471.0	23.1	18697.6
01Jun2015	18:15	17592.4	458.2	22.8	17683.9
01Jun2015	18:30	16164.7	443.1	22.6	16510.1
01Jun2015	18:45	14739.7	425.5	22.2	15183.4
01Jun2015	19:00	13358.6	407.6	21.9	13796.9
01Jun2015	19:15	12053.1	392.2	21.5	12449.7
01Jun2015	19:30	10836.0	377.6	21.2	11231.8
01Jun2015	19:45	9528.5	362.8	20.9	10032.0
01Jun2015	20:00	8252.3	347.2	20.5	8825.0
01Jun2015	20:15	7181.7	332.0	20.2	7702.2
01Jun2015	20:30	6305.9	319.0	19.8	6674.2
01Jun2015	20:45	5588.9	309.5	19.6	5851.4
01Jun2015	21:00	4996.7	301.7	19.3	5205.9
01Jun2015	21:15	4504.6	295.1	19.1	4674.0
01Jun2015	21:30	4093.9	289.3	19.0	4230.7

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	3667.4	283.8	18.8	3827.3
01Jun2015	22:00	3297.8	278.4	18.7	3447.2
01Jun2015	22:15	2996.7	273.6	18.5	3119.0
01Jun2015	22:30	2750.7	269.1	18.4	2827.0
01Jun2015	22:45	2547.2	265.5	18.3	2602.6
01Jun2015	23:00	2377.4	262.4	18.2	2418.2
01Jun2015	23:15	2234.0	259.8	18.1	2263.5
01Jun2015	23:30	2112.1	257.5	18.0	2132.3
01Jun2015	23:45	2011.3	255.5	18.0	2014.3
02Jun2015	00:00	1925.4	254.0	17.9	1913.6
02Jun2015	00:15	1840.7	252.7	17.9	1829.8
02Jun2015	00:30	1758.9	251.5	17.8	1750.4
02Jun2015	00:45	1677.4	250.2	17.8	1673.0
02Jun2015	01:00	1597.0	249.0	17.7	1596.6
02Jun2015	01:15	1518.4	247.7	17.7	1521.6
02Jun2015	01:30	1443.1	246.4	17.6	1448.9
02Jun2015	01:45	1371.4	245.2	17.6	1379.4
02Jun2015	02:00	1304.1	243.9	17.5	1313.5
02Jun2015	02:15	1241.6	242.7	17.5	1251.8
02Jun2015	02:30	1183.4	241.6	17.5	1194.3
02Jun2015	02:45	1129.9	240.5	17.4	1141.0
02Jun2015	03:00	1082.1	239.4	17.4	1092.5
02Jun2015	03:15	1041.6	238.4	17.3	1049.4
02Jun2015	03:30	1007.8	237.6	17.3	1012.3
02Jun2015	03:45	978.7	236.8	17.3	980.6
02Jun2015	04:00	954.3	236.1	17.3	953.5
02Jun2015	04:15	931.7	235.5	17.2	929.9
02Jun2015	04:30	909.8	234.9	17.2	908.3
02Jun2015	04:45	891.3	234.3	17.2	888.7
02Jun2015	05:00	877.1	233.8	17.2	871.9
02Jun2015	05:15	867.4	233.4	17.2	858.4

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	859.8	233.1	17.1	848.0
02Jun2015	05:45	852.2	232.8	17.1	839.4
02Jun2015	06:00	844.4	232.6	17.1	831.7
02Jun2015	06:15	836.6	232.3	17.1	824.3
02Jun2015	06:30	828.6	232.0	17.1	817.1
02Jun2015	06:45	820.5	231.8	17.1	809.8
02Jun2015	07:00	812.1	231.5	17.1	802.6
02Jun2015	07:15	803.7	231.2	17.1	795.3
02Jun2015	07:30	795.1	230.9	17.1	788.0
02Jun2015	07:45	786.4	230.6	17.1	780.7
02Jun2015	08:00	777.5	230.3	17.0	773.5
02Jun2015	08:15	768.6	229.9	17.0	766.5
02Jun2015	08:30	759.5	229.5	17.0	759.8
02Jun2015	08:45	750.4	229.1	17.0	754.3
02Jun2015	09:00	741.1	228.6	17.0	750.1
02Jun2015	09:15	731.8	228.0	17.0	745.2
02Jun2015	09:30	722.3	227.3	16.9	739.8
02Jun2015	09:45	712.6	226.6	16.9	733.9
02Jun2015	10:00	702.2	225.8	16.9	727.5
02Jun2015	10:15	691.0	225.0	16.8	720.7
02Jun2015	10:30	679.7	224.1	16.8	713.4
02Jun2015	10:45	668.3	223.2	16.8	705.7
02Jun2015	11:00	655.6	222.2	16.7	697.6
02Jun2015	11:15	641.5	221.1	16.7	688.9
02Jun2015	11:30	627.7	219.9	16.7	679.6
02Jun2015	11:45	614.4	218.7	16.6	670.0
02Jun2015	12:00	601.5	217.5	16.6	660.0

Project: hempstead lake
Simulation Run: 006 Proposed PMP Reservoir: Smith Pond

Start of Run: 01Jun2015, 00:00 Basin Model: Proposed Hemp Lake
End of Run: 02Jun2015, 12:00 Meteorologic Model: Hemp PMP
Compute Time: 28Aug2015, 10:44:38 Control Specifications: 36 HR Storm-15 min i

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	00:00	508.0	93.7	5.4	0.0
01Jun2015	00:15	179.0	100.6	5.7	34.7
01Jun2015	00:30	85.0	102.4	5.8	54.6
01Jun2015	00:45	49.4	102.6	5.8	57.4
01Jun2015	01:00	33.3	102.3	5.8	53.8
01Jun2015	01:15	25.2	101.9	5.8	48.6
01Jun2015	01:30	20.8	101.4	5.8	43.3
01Jun2015	01:45	18.3	100.9	5.7	38.6
01Jun2015	02:00	16.9	100.5	5.7	34.5
01Jun2015	02:15	16.5	100.2	5.7	31.2
01Jun2015	02:30	16.4	99.9	5.7	28.5
01Jun2015	02:45	16.6	99.7	5.7	26.4
01Jun2015	03:00	17.0	99.5	5.7	24.7
01Jun2015	03:15	17.7	99.4	5.7	23.4
01Jun2015	03:30	18.5	99.3	5.7	22.5
01Jun2015	03:45	19.4	99.2	5.7	21.9
01Jun2015	04:00	20.4	99.2	5.7	21.6
01Jun2015	04:15	21.8	99.2	5.7	21.5
01Jun2015	04:30	23.7	99.2	5.7	21.7
01Jun2015	04:45	26.9	99.3	5.7	22.3
01Jun2015	05:00	32.8	99.4	5.7	23.6
01Jun2015	05:15	43.3	99.7	5.7	26.1
01Jun2015	05:30	58.7	100.1	5.7	30.5
01Jun2015	05:45	78.6	100.9	5.7	37.7
01Jun2015	06:00	101.5	101.8	5.8	48.3

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	06:15	131.0	103.1	5.8	63.2
01Jun2015	06:30	161.7	104.6	5.9	82.9
01Jun2015	06:45	198.4	106.3	6.0	107.8
01Jun2015	07:00	242.8	108.4	6.1	136.2
01Jun2015	07:15	295.8	110.7	6.2	171.1
01Jun2015	07:30	354.9	113.5	6.3	214.3
01Jun2015	07:45	421.1	116.5	6.4	266.1
01Jun2015	08:00	491.6	119.8	6.5	326.2
01Jun2015	08:15	564.7	123.2	6.7	393.5
01Jun2015	08:30	637.8	126.7	6.8	466.1
01Jun2015	08:45	711.2	130.2	6.9	542.1
01Jun2015	09:00	783.6	133.6	7.1	619.8
01Jun2015	09:15	855.7	136.9	7.2	698.0
01Jun2015	09:30	929.2	140.1	7.3	776.4
01Jun2015	09:45	999.1	143.1	7.5	854.0
01Jun2015	10:00	1062.0	145.9	7.6	929.7
01Jun2015	10:15	1137.4	148.7	7.7	1004.2
01Jun2015	10:30	1199.8	151.3	7.8	1077.6
01Jun2015	10:45	1266.0	153.8	7.9	1148.1
01Jun2015	11:00	1340.7	156.3	8.0	1219.8
01Jun2015	11:15	1423.1	158.9	8.1	1289.3
01Jun2015	11:30	1504.3	161.7	8.2	1365.1
01Jun2015	11:45	1568.8	164.5	8.3	1440.7
01Jun2015	12:00	1642.4	167.1	8.4	1514.4
01Jun2015	12:15	1734.4	169.9	8.5	1593.2
01Jun2015	12:30	1837.4	173.0	8.6	1681.6
01Jun2015	12:45	1928.1	176.2	8.7	1775.2
01Jun2015	13:00	2037.7	179.5	8.8	1873.2
01Jun2015	13:15	2182.7	183.2	9.0	1986.6
01Jun2015	13:30	2316.3	187.3	9.1	2114.3
01Jun2015	13:45	2478.5	191.7	9.3	2254.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	14:00	2633.0	196.4	9.4	2405.4
01Jun2015	14:15	2840.2	201.5	9.6	2574.4
01Jun2015	14:30	3022.9	206.9	9.8	2759.7
01Jun2015	14:45	3513.1	214.5	10.1	3026.1
01Jun2015	15:00	5179.8	232.1	10.7	3875.2
01Jun2015	15:15	7565.9	261.4	11.6	5719.5
01Jun2015	15:30	10357.3	296.4	12.7	8246.2
01Jun2015	15:45	14715.9	339.9	14.0	11769.3
01Jun2015	16:00	19466.4	392.2	15.4	16205.9
01Jun2015	16:15	24477.9	451.2	16.7	20724.4
01Jun2015	16:30	29561.3	519.9	18.0	25596.4
01Jun2015	16:45	33628.0	598.1	18.9	29421.6
01Jun2015	17:00	36082.9	668.2	19.8	32960.4
01Jun2015	17:15	36434.7	712.4	20.2	34940.4
01Jun2015	17:30	35174.1	725.1	20.3	35443.6
01Jun2015	17:45	34450.0	715.8	20.3	35075.6
01Jun2015	18:00	31443.5	685.6	20.0	33857.8
01Jun2015	18:15	28059.4	633.1	19.3	31169.5
01Jun2015	18:30	26149.0	580.4	18.7	28552.9
01Jun2015	18:45	23283.7	529.9	18.1	26118.2
01Jun2015	19:00	20616.4	482.9	17.3	22930.5
01Jun2015	19:15	17988.7	442.9	16.5	20159.7
01Jun2015	19:30	15935.4	407.6	15.8	17605.2
01Jun2015	19:45	14116.1	383.3	15.1	15413.7
01Jun2015	20:00	12463.7	362.5	14.6	13625.0
01Jun2015	20:15	10984.0	343.3	14.0	12052.2
01Jun2015	20:30	9735.0	326.5	13.6	10633.2
01Jun2015	20:45	8754.7	312.5	13.1	9487.3
01Jun2015	21:00	7967.1	300.7	12.8	8566.4
01Jun2015	21:15	7312.8	290.7	12.5	7821.9
01Jun2015	21:30	6787.4	282.3	12.3	7211.8

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
01Jun2015	21:45	6294.9	274.2	12.0	6650.4
01Jun2015	22:00	5828.1	267.3	11.8	6143.1
01Jun2015	22:15	5399.7	261.0	11.6	5694.7
01Jun2015	22:30	5005.9	255.1	11.4	5287.0
01Jun2015	22:45	4647.3	249.4	11.2	4914.3
01Jun2015	23:00	4284.4	243.8	11.0	4560.4
01Jun2015	23:15	4066.1	238.9	10.9	4264.6
01Jun2015	23:30	3718.1	234.1	10.7	3986.6
01Jun2015	23:45	3375.8	228.2	10.5	3670.3
02Jun2015	00:00	3158.4	222.8	10.4	3394.0
02Jun2015	00:15	2894.7	217.6	10.2	3157.2
02Jun2015	00:30	2698.8	212.3	10.0	2946.9
02Jun2015	00:45	2426.4	206.5	9.8	2744.7
02Jun2015	01:00	2255.6	200.3	9.6	2535.8
02Jun2015	01:15	2047.1	194.4	9.4	2340.7
02Jun2015	01:30	1893.4	188.6	9.2	2156.5
02Jun2015	01:45	1800.1	183.8	9.0	2005.4
02Jun2015	02:00	1653.4	179.4	8.8	1871.9
02Jun2015	02:15	1544.5	175.1	8.7	1743.4
02Jun2015	02:30	1420.8	171.0	8.5	1622.9
02Jun2015	02:45	1336.8	167.1	8.4	1512.1
02Jun2015	03:00	1241.6	163.5	8.3	1412.8
02Jun2015	03:15	1118.9	159.7	8.1	1311.0
02Jun2015	03:30	1080.2	156.3	8.0	1220.2
02Jun2015	03:45	1065.9	154.0	7.9	1152.3
02Jun2015	04:00	977.5	151.9	7.8	1092.8
02Jun2015	04:15	969.2	150.0	7.7	1039.2
02Jun2015	04:30	967.2	148.8	7.7	1007.6
02Jun2015	04:45	896.0	147.6	7.6	974.1
02Jun2015	05:00	898.3	146.3	7.6	940.5
02Jun2015	05:15	856.4	145.3	7.6	913.1

Date	Time	Inflow (CFS)	Storage (AC-FT)	Elevation (FT)	Outflow (CFS)
02Jun2015	05:30	869.6	144.5	7.5	891.6
02Jun2015	05:45	834.3	143.9	7.5	874.6
02Jun2015	06:00	850.6	143.3	7.5	860.9
02Jun2015	06:15	817.8	142.9	7.5	849.6
02Jun2015	06:30	834.3	142.5	7.4	839.6
02Jun2015	06:45	802.6	142.2	7.4	830.7
02Jun2015	07:00	818.6	141.9	7.4	822.3
02Jun2015	07:15	787.8	141.5	7.4	814.3
02Jun2015	07:30	803.1	141.2	7.4	806.4
02Jun2015	07:45	773.1	140.9	7.4	798.8
02Jun2015	08:00	787.8	140.6	7.4	791.2
02Jun2015	08:15	758.9	140.3	7.4	783.8
02Jun2015	08:30	773.3	140.1	7.3	776.5
02Jun2015	08:45	746.6	139.8	7.3	769.6
02Jun2015	09:00	762.4	139.5	7.3	763.4
02Jun2015	09:15	737.6	139.3	7.3	757.9
02Jun2015	09:30	751.7	139.1	7.3	752.4
02Jun2015	09:45	726.8	138.9	7.3	747.0
02Jun2015	10:00	739.0	138.7	7.3	741.3
02Jun2015	10:15	714.3	138.4	7.3	735.3
02Jun2015	10:30	724.4	138.1	7.3	728.8
02Jun2015	10:45	699.9	137.9	7.3	722.1
02Jun2015	11:00	708.1	137.6	7.2	714.8
02Jun2015	11:15	683.9	137.3	7.2	707.2
02Jun2015	11:30	689.7	136.9	7.2	699.0
02Jun2015	11:45	665.8	136.6	7.2	690.4
02Jun2015	12:00	669.4	136.2	7.2	681.3

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*                                      *
* PROBABLE MAXIMUM STORM (HMR52)       *
* LAST REVISED (DD/MM/YYYY) 02/12/2014 *
* LICENSE - MarianWypyski - Lockwood Ke *
*                                      *
* RUN DATE  05/22/2014  TIME  14:48:35 *
* Program License Will Expire On -->   *
*                                      *
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*                                      *
*    ENHANCED BY: FRANC LOGIC          *
*    4323 CINNAMON PATH                *
*    LIVERPOOL, NY 13090               *
*    FRANCLOGIC@VERIZON.NET            *
*                                      *
*    DD/MM/YYYY 04/15/2015             *
*                                      *
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F   R   A   N   C        L   O   G   I   C

H     H  M     M  RRRRRR   5555555   22222
H     H  MM   MM  R     R  5        2     2
H     H  M M M M  R     R  5              2
HHHHHHH  M  M  M  RRRRRR   555555        2
H     H  M     M  R   R          5     2
H     H  M     M  R    R   5     5   2
H     H  M     M  R     R   55555   2222222
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ENHANCEMENTS BY FRANC LOGIC

UP TO 10000 PAIRS OF X,Y COORDINATES PER BASIN
COORDINATES (CAN BE LATITUDE/LONGITUDE)
OPTIMIZATION OF STORM RATIO (ELIPICAL SHAPE CAN VARY FROM RATIO OF 1:1 TO 9:1)
OPTIONAL SEPARATION OF PMP STORM INTO (2 TO 5) DIFFERENT STORM CENTERINGS

<<<--- SINGLE STORM CENTER WILL BE SIMULATED --->>>

PROBABLE MAXIMUM STORM DEVELOPED FOR STORM BASIN - (ALL XY_PTS)
-- NUMBER OF VERTICES READ = 354 -- SUB-BASIN AREA = 12.30 SQ. MI.

PMP DEPTHS (INCHES) FROM HMR 51 FOR 100% OF TOTAL STORM

AREA	DURATION				
(SQ.MI.)	6-HR	12-HR	24-HR	48-HR	72-HR
10	26.40	30.70	34.00	38.00	39.90
45	23.23	27.22	30.75	34.33	36.15
200	18.10	21.60	25.50	28.40	30.10
1000	12.80	16.30	20.50	23.00	24.50
5000	7.90	11.30	14.40	18.00	18.90
10000	6.10	9.30	12.10	15.10	16.20
20000	4.30	7.30	9.90	13.10	14.10

PMP DEPTHS (INCHES) FOR 6-HOUR INCREMENTS

STORM AREA												
10	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
25	24.42	4.04	2.17	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43
50	22.80	3.98	2.13	1.46	1.12	0.90	0.76	0.65	0.57	0.51	0.46	0.42
100	20.39	3.91	2.07	1.42	1.08	0.87	0.73	0.63	0.55	0.49	0.44	0.40
175	18.45	3.85	2.02	1.38	1.05	0.84	0.71	0.61	0.53	0.48	0.43	0.39
300	16.64	3.89	2.00	1.35	1.03	0.83	0.69	0.59	0.52	0.46	0.42	0.38
450	15.31	3.93	1.99	1.34	1.01	0.82	0.68	0.59	0.51	0.46	0.41	0.38
700	13.85	3.97	1.98	1.33	1.00	0.80	0.67	0.58	0.51	0.45	0.41	0.37
1000	12.66	4.02	1.97	1.32	0.99	0.79	0.66	0.57	0.50	0.44	0.40	0.36
1500	11.44	3.91	1.95	1.31	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36
2150	10.36	3.78	1.92	1.30	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36
3000	9.36	3.69	1.90	1.29	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.37
4500	8.14	3.56	1.88	1.29	0.98	0.79	0.66	0.57	0.50	0.45	0.40	0.37
6500	7.14	3.43	1.81	1.23	0.94	0.76	0.64	0.55	0.48	0.43	0.39	0.35
10000	6.04	3.27	1.70	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33
15000	4.99	3.12	1.67	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33
25000	3.68	2.93	1.63	1.14	0.87	0.71	0.60	0.52	0.45	0.41	0.37	0.33

VARYING STORM AREA SIZE FOR FIXED ORIENTATION (200.47 DEGREES) FOR ELLIPSE RATIO = 2.5

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMENT FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
10 ---------- (7.95)	200.47	24.64	3.83	2.08	1.44	1.10	0.89	0.75	0.64	0.57	0.51	0.46	0.42	31.99	1.000	8.00
25 --------- (12.30)	200.47	24.60	4.12	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.40	1.000	8.10
50 --------- (12.30)	200.47	23.87	4.16	2.16	1.46	1.12	0.90	0.76	0.65	0.57	0.51	0.46	0.42	31.65	1.000	7.91
100 -------- (12.30)	200.47	22.57	4.19	2.11	1.42	1.08	0.87	0.73	0.63	0.55	0.49	0.44	0.40	30.29	1.000	7.57
175 -------- (12.30)	200.47	21.68	4.20	2.07	1.38	1.05	0.84	0.71	0.61	0.53	0.48	0.43	0.39	29.33	1.000	7.33
300 -------- (12.30)	200.47	20.73	4.30	2.06	1.35	1.03	0.83	0.69	0.59	0.52	0.46	0.42	0.38	28.44	1.000	7.11
450 -------- (12.30)	200.47	19.98	4.41	2.06	1.34	1.01	0.82	0.68	0.59	0.51	0.46	0.41	0.38	27.79	1.000	6.95
700 -------- (12.30)	200.47	19.18	4.52	2.06	1.33	1.00	0.80	0.67	0.58	0.51	0.45	0.41	0.37	27.08	1.000	6.77
1000 ------- (12.30)	200.47	18.66	4.64	2.05	1.32	0.99	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.67	1.000	6.67
1500 ------- (12.30)	200.47	18.32	4.54	2.04	1.31	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.21	1.000	6.55
2150 ------- (12.30)	200.47	18.03	4.46	2.02	1.30	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	25.81	1.000	6.45
3000 ------- (12.30)	200.47	17.66	4.38	2.01	1.29	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.37	25.35	1.000	6.34
4500 ------- (12.30)	200.47	17.05	4.28	1.99	1.29	0.98	0.79	0.66	0.57	0.50	0.45	0.40	0.37	24.60	1.000	6.15
6500 ------- (12.30)	200.47	16.45	4.17	1.92	1.23	0.94	0.76	0.64	0.55	0.48	0.43	0.39	0.35	23.77	1.000	5.94
10000 ------ (12.30)	200.47	15.61	4.03	1.81	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	22.61	1.000	5.65
15000 ------ (12.30)	200.47	14.31	3.88	1.79	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	21.12	1.000	5.28
25000 ------ (12.30)	200.47	11.33	3.67	1.75	1.14	0.87	0.71	0.60	0.52	0.45	0.41	0.37	0.33	17.89	1.000	4.47

FIXED STORM AREA SIZE (25 SQ.MI.) FOR VARYING ORIENTATION FOR ELLIPSE RATIO = 2.5
CURRENT MAXIMUM DEPTH (32.40 INCHES)

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMENT FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
25 --------- (12.30)	200.47	24.60	4.12	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.40	1.000	8.10
25 --------- (12.30)	205.47	24.71	4.14	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
25 --------- (12.30)	210.47	24.71	4.13	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
25 --------- (12.22)	215.47	24.66	4.13	2.19	1.49	1.14	0.92	0.77	0.67	0.59	0.52	0.47	0.43	32.47	1.000	8.12
25 --------- (12.05)	220.47	24.57	4.12	2.18	1.49	1.14	0.92	0.77	0.67	0.59	0.52	0.47	0.43	32.36	1.000	8.09
25 --------- (11.83)	225.47	24.46	4.10	2.18	1.49	1.14	0.92	0.77	0.67	0.58	0.52	0.47	0.43	32.22	1.000	8.06
25 --------- (11.54)	230.47	24.32	4.08	2.17	1.48	1.13	0.92	0.77	0.66	0.58	0.52	0.47	0.43	32.06	1.000	8.02
25 --------- (11.22)	235.47	24.18	4.06	2.16	1.48	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	31.88	1.000	7.97

25 --------- (10.92)	240.47	24.04	4.04	2.15	1.47	1.12	0.91	0.76	0.66	0.58	0.52	0.47	0.42	31.70	1.000	7.93
25 --------- (10.58)	245.47	23.87	4.02	2.14	1.47	1.12	0.91	0.76	0.66	0.58	0.51	0.46	0.42	31.50	1.000	7.88
25 --------- (10.21)	250.47	23.70	3.99	2.13	1.46	1.11	0.90	0.76	0.65	0.57	0.51	0.46	0.42	31.28	1.000	7.82
25 ---------- (9.81)	255.47	23.50	3.96	2.12	1.45	1.11	0.90	0.75	0.65	0.57	0.51	0.46	0.42	31.04	1.000	7.76
25 ---------- (9.50)	260.47	23.34	3.94	2.11	1.44	1.10	0.89	0.75	0.65	0.57	0.51	0.46	0.42	30.83	1.000	7.71
25 ---------- (9.26)	265.47	23.21	3.92	2.10	1.44	1.10	0.89	0.75	0.64	0.56	0.50	0.45	0.41	30.67	1.000	7.67
25 ---------- (9.07)	270.47	23.09	3.91	2.09	1.43	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.52	1.000	7.63
25 ---------- (8.91)	275.47	22.99	3.89	2.08	1.43	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.40	1.000	7.60
25 ---------- (8.78)	280.47	22.90	3.88	2.08	1.42	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.27	1.000	7.57
25 ---------- (8.68)	285.47	22.84	3.87	2.07	1.42	1.08	0.88	0.74	0.63	0.56	0.50	0.45	0.41	30.19	1.000	7.55
25 ---------- (8.64)	290.47	22.81	3.86	2.07	1.42	1.08	0.88	0.74	0.63	0.56	0.50	0.45	0.41	30.17	1.000	7.54
25 ---------- (8.65)	295.47	22.83	3.87	2.07	1.42	1.08	0.88	0.74	0.63	0.56	0.50	0.45	0.41	30.19	1.000	7.55
25 ---------- (8.73)	300.47	22.90	3.88	2.08	1.42	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.27	1.000	7.57
25 ---------- (8.83)	305.47	22.99	3.89	2.08	1.43	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.39	1.000	7.60
25 ---------- (8.97)	310.47	23.10	3.91	2.09	1.43	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	30.52	1.000	7.63
25 ---------- (9.15)	135.47	23.20	3.92	2.10	1.44	1.10	0.89	0.75	0.64	0.56	0.50	0.45	0.41	30.66	1.000	7.67
25 ---------- (9.37)	140.47	23.32	3.94	2.10	1.44	1.10	0.89	0.75	0.64	0.57	0.51	0.46	0.42	30.80	1.000	7.70
25 ---------- (9.70)	145.47	23.47	3.96	2.11	1.45	1.11	0.89	0.75	0.65	0.57	0.51	0.46	0.42	31.00	1.000	7.75
25 --------- (10.07)	150.47	23.65	3.99	2.13	1.46	1.11	0.90	0.76	0.65	0.57	0.51	0.46	0.42	31.22	1.000	7.81
25 --------- (10.50)	155.47	23.84	4.01	2.14	1.46	1.12	0.90	0.76	0.65	0.58	0.51	0.46	0.42	31.46	1.000	7.87
25 --------- (10.92)	160.47	24.03	4.04	2.15	1.47	1.12	0.91	0.76	0.66	0.58	0.52	0.47	0.42	31.69	1.000	7.92
25 --------- (11.22)	165.47	24.17	4.06	2.16	1.48	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	31.87	1.000	7.97
25 --------- (11.49)	170.47	24.31	4.08	2.17	1.48	1.13	0.92	0.77	0.66	0.58	0.52	0.47	0.43	32.04	1.000	8.01
25 --------- (11.79)	175.47	24.45	4.10	2.18	1.49	1.14	0.92	0.77	0.66	0.58	0.52	0.47	0.43	32.21	1.000	8.05
25 --------- (12.08)	180.47	24.58	4.12	2.18	1.49	1.14	0.92	0.77	0.67	0.59	0.52	0.47	0.43	32.38	1.000	8.10
25 --------- (12.19)	185.47	24.65	4.13	2.19	1.49	1.14	0.92	0.77	0.67	0.59	0.52	0.47	0.43	32.46	1.000	8.12
25 --------- (12.25)	190.47	24.70	4.13	2.19	1.49	1.14	0.92	0.77	0.67	0.59	0.52	0.47	0.43	32.51	1.000	8.13
25 --------- (12.30)	195.47	24.71	4.14	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
25 --------- (12.28)	192.97	24.71	4.14	2.19	1.49	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
25 --------- (12.30)	197.97	24.61	4.12	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.41	1.000	8.10

VARYING STORM AREA SIZE FOR FIXED ORIENTATION (205.47 DEGREES) FOR ELLIPSE RATIO = 2.5
CURRENT MAXIMUM DEPTH (32.53 INCHES)

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMEN T FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
10 ---------- (9.54)	205.47	25.29	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.83	1.000	8.21

25 --------- (12.30)	205.47	24.71	4.14	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
50 --------- (12.30)	205.47	23.98	4.17	2.16	1.46	1.12	0.90	0.76	0.65	0.57	0.51	0.46	0.42	31.77	1.000	7.94
100 -------- (12.30)	205.47	22.67	4.20	2.11	1.42	1.08	0.87	0.73	0.63	0.55	0.49	0.44	0.40	30.40	1.000	7.60
175 -------- (12.30)	205.47	21.79	4.22	2.07	1.38	1.05	0.84	0.71	0.61	0.53	0.48	0.43	0.39	29.45	1.000	7.36
300 -------- (12.30)	205.47	20.82	4.31	2.06	1.35	1.03	0.83	0.69	0.59	0.52	0.46	0.42	0.38	28.55	1.000	7.14
450 -------- (12.30)	205.47	20.06	4.42	2.06	1.34	1.01	0.82	0.68	0.59	0.51	0.46	0.41	0.38	27.89	1.000	6.97
700 -------- (12.30)	205.47	19.26	4.53	2.06	1.33	1.00	0.80	0.67	0.58	0.51	0.45	0.41	0.37	27.17	1.000	6.79
1000 ------- (12.30)	205.47	18.74	4.65	2.06	1.32	0.99	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.76	1.000	6.69
1500 ------- (12.30)	205.47	18.40	4.56	2.04	1.31	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.30	1.000	6.58
2150 ------- (12.30)	205.47	18.10	4.47	2.02	1.30	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	25.90	1.000	6.48
3000 ------- (12.30)	205.47	17.74	4.39	2.01	1.29	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.37	25.44	1.000	6.36
4500 ------- (12.30)	205.47	17.13	4.29	1.99	1.29	0.98	0.79	0.66	0.57	0.50	0.45	0.40	0.37	24.69	1.000	6.17
6500 ------- (12.30)	205.47	16.52	4.18	1.92	1.23	0.94	0.76	0.64	0.55	0.48	0.43	0.39	0.35	23.85	1.000	5.96
10000 ------ (12.30)	205.47	15.69	4.04	1.81	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	22.69	1.000	5.67
15000 ------ (12.30)	205.47	14.37	3.88	1.79	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	21.19	1.000	5.30
25000 ------ (12.30)	205.47	11.38	3.68	1.75	1.14	0.87	0.71	0.60	0.52	0.45	0.41	0.37	0.33	17.95	1.000	4.49

FIXED STORM AREA SIZE (10 SQ.MI.) FOR VARYING ORIENTATION FOR ELLIPSE RATIO = 2.5
CURRENT MAXIMUM DEPTH (32.83 INCHES)

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMEN T FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
10 ---------- (9.49)	202.97	25.28	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.81	1.000	8.20
10 ---------- (9.56)	207.97	25.30	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.84	1.000	8.21
10 ---------- (9.35)	212.97	25.20	3.91	2.13	1.47	1.12	0.91	0.76	0.66	0.58	0.52	0.47	0.42	32.71	1.000	8.18
10 ---------- (8.98)	217.97	24.98	3.88	2.11	1.46	1.11	0.90	0.76	0.65	0.57	0.51	0.46	0.42	32.43	1.000	8.11
10 ---------- (8.53)	222.97	24.70	3.84	2.08	1.44	1.10	0.89	0.75	0.65	0.57	0.51	0.46	0.42	32.05	1.000	8.01
10 ---------- (8.05)	227.97	24.36	3.78	2.06	1.42	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	31.62	1.000	7.91
10 ---------- (7.63)	232.97	24.02	3.73	2.03	1.40	1.07	0.87	0.73	0.63	0.55	0.49	0.44	0.41	31.18	1.000	7.80
10 ---------- (7.24)	237.97	23.69	3.68	2.00	1.38	1.06	0.85	0.72	0.62	0.54	0.49	0.44	0.40	30.75	1.000	7.69
10 ---------- (6.91)	242.97	23.36	3.63	1.97	1.36	1.04	0.84	0.71	0.61	0.54	0.48	0.43	0.39	30.33	1.000	7.58
10 ---------- (6.61)	247.97	23.04	3.58	1.95	1.34	1.03	0.83	0.70	0.60	0.53	0.47	0.43	0.39	29.91	1.000	7.48
10 ---------- (6.33)	252.97	22.68	3.52	1.92	1.32	1.01	0.82	0.69	0.59	0.52	0.47	0.42	0.38	29.45	1.000	7.36
10 ---------- (6.10)	257.97	22.37	3.48	1.89	1.31	1.00	0.81	0.68	0.59	0.51	0.46	0.41	0.38	29.05	1.000	7.26
10 ---------- (5.91)	262.97	22.13	3.44	1.87	1.29	0.99	0.80	0.67	0.58	0.51	0.45	0.41	0.37	28.73	1.000	7.18
10 ---------- (5.76)	267.97	21.92	3.41	1.85	1.28	0.98	0.79	0.67	0.57	0.50	0.45	0.41	0.37	28.46	1.000	7.12

10 ---------- (5.63)	272.97	21.75	3.38	1.84	1.27	0.97	0.79	0.66	0.57	0.50	0.45	0.40	0.37	28.24	1.000	7.06
10 ---------- (5.56)	277.97	21.62	3.36	1.83	1.26	0.96	0.78	0.66	0.57	0.50	0.44	0.40	0.37	28.07	1.000	7.02
10 ---------- (5.51)	282.97	21.51	3.34	1.82	1.26	0.96	0.78	0.65	0.56	0.49	0.44	0.40	0.36	27.92	1.000	6.98
10 ---------- (5.47)	287.97	21.44	3.33	1.81	1.25	0.96	0.77	0.65	0.56	0.49	0.44	0.40	0.36	27.84	1.000	6.96
10 ---------- (9.57)	196.30	25.30	3.93	2.14	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.84	1.000	8.21
10 ---------- (7.90)	201.30	24.62	3.82	2.08	1.43	1.10	0.89	0.75	0.64	0.57	0.50	0.46	0.42	31.96	1.000	7.99

VARYING STORM AREA SIZE FOR FIXED ORIENTATION (207.97 DEGREES) FOR ELLIPSE RATIO = 2.5
CURRENT MAXIMUM DEPTH (32.84 INCHES)

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMENT FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
10 ---------- (9.56)	207.97	25.30	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.84	1.000	8.21
25 --------- (12.30)	207.97	24.71	4.14	2.19	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	32.53	1.000	8.13
50 --------- (12.30)	207.97	23.98	4.17	2.16	1.46	1.12	0.90	0.76	0.65	0.57	0.51	0.46	0.42	31.78	1.000	7.95
100 -------- (12.30)	207.97	22.67	4.20	2.11	1.42	1.08	0.87	0.73	0.63	0.55	0.49	0.44	0.40	30.40	1.000	7.60
175 -------- (12.30)	207.97	21.79	4.22	2.07	1.38	1.05	0.84	0.71	0.61	0.53	0.48	0.43	0.39	29.45	1.000	7.36
300 -------- (12.30)	207.97	20.82	4.31	2.06	1.35	1.03	0.83	0.69	0.59	0.52	0.46	0.42	0.38	28.55	1.000	7.14
450 -------- (12.30)	207.97	20.06	4.42	2.06	1.34	1.01	0.82	0.68	0.59	0.51	0.46	0.41	0.38	27.89	1.000	6.97
700 -------- (12.30)	207.97	19.26	4.53	2.06	1.33	1.00	0.80	0.67	0.58	0.51	0.45	0.41	0.37	27.17	1.000	6.79
1000 ------- (12.30)	207.97	18.74	4.65	2.06	1.32	0.99	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.76	1.000	6.69
1500 ------- (12.30)	207.97	18.40	4.56	2.04	1.31	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	26.30	1.000	6.58
2150 ------- (12.30)	207.97	18.11	4.47	2.02	1.30	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	25.90	1.000	6.48
3000 ------- (12.30)	207.97	17.74	4.39	2.01	1.29	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.37	25.44	1.000	6.36
4500 ------- (12.30)	207.97	17.13	4.29	1.99	1.29	0.98	0.79	0.66	0.57	0.50	0.45	0.40	0.37	24.69	1.000	6.17
6500 ------- (12.30)	207.97	16.53	4.18	1.92	1.23	0.94	0.76	0.64	0.55	0.48	0.43	0.39	0.35	23.85	1.000	5.96
10000 ------ (12.30)	207.97	15.69	4.04	1.81	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	22.69	1.000	5.67
15000 ------ (12.30)	207.97	14.37	3.88	1.79	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	21.19	1.000	5.30
25000 ------ (12.30)	207.97	11.38	3.68	1.75	1.14	0.87	0.71	0.60	0.52	0.45	0.41	0.37	0.33	17.95	1.000	4.49

FIXED STORM AREA SIZE (10 SQ.MI.) FOR VARYING ORIENTATION FOR ELLIPSE RATIO = 2.5
CURRENT MAXIMUM DEPTH (32.84 INCHES)

STORM SIZE -- (WITHIN BASIN) (SQ.MI.)	ORIENTATION	BASIN-AVERAGED INCREMENTAL DEPTHS (INCHES) FOR 6-HR PERIODS												SUM OF DEPTHS FOR 4 PEAK 6-HR PERIODS	DEPTH ADJUSTMENT FACTOR	AVE DEPTH ON BASIN FOR 4 PEAK 6-HR PERIODS
10 ---------- (9.54)	206.30	25.30	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.83	1.000	8.21

10 ----------	(9.44)	211.30	25.25	3.92	2.13	1.47	1.12	0.91	0.76	0.66	0.58	0.52	0.47	0.43	32.77	1.000	8.19
10 ----------	(9.11)	216.30	25.06	3.89	2.12	1.46	1.12	0.90	0.76	0.65	0.58	0.51	0.46	0.42	32.53	1.000	8.13
10 ----------	(8.69)	221.30	24.80	3.85	2.09	1.44	1.10	0.89	0.75	0.65	0.57	0.51	0.46	0.42	32.19	1.000	8.05
10 ----------	(8.21)	226.30	24.47	3.80	2.07	1.43	1.09	0.88	0.74	0.64	0.56	0.50	0.45	0.41	31.76	1.000	7.94
10 ----------	(7.76)	231.30	24.13	3.75	2.04	1.41	1.08	0.87	0.73	0.63	0.55	0.49	0.45	0.41	31.32	1.000	7.83
10 ----------	(7.37)	236.30	23.80	3.70	2.01	1.39	1.06	0.86	0.72	0.62	0.55	0.49	0.44	0.40	30.89	1.000	7.72
10 ----------	(7.02)	241.30	23.47	3.65	1.98	1.37	1.05	0.85	0.71	0.61	0.54	0.48	0.43	0.40	30.47	1.000	7.62
10 ----------	(6.70)	246.30	23.15	3.60	1.96	1.35	1.03	0.84	0.70	0.61	0.53	0.47	0.43	0.39	30.05	1.000	7.51
10 ----------	(6.42)	251.30	22.80	3.54	1.93	1.33	1.02	0.82	0.69	0.60	0.52	0.47	0.42	0.38	29.60	1.000	7.40
10 ----------	(6.17)	256.30	22.47	3.49	1.90	1.31	1.00	0.81	0.68	0.59	0.52	0.46	0.42	0.38	29.17	1.000	7.29
10 ----------	(5.97)	261.30	22.20	3.45	1.88	1.30	0.99	0.80	0.67	0.58	0.51	0.46	0.41	0.37	28.82	1.000	7.21
10 ----------	(7.97)	200.05	24.65	3.83	2.08	1.44	1.10	0.89	0.75	0.64	0.57	0.51	0.46	0.42	32.00	1.000	8.00
10 ----------	(9.53)	205.05	25.29	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43	32.83	1.000	8.21

PROBABLE MAXIMUM STORM RESULTS OVER STORM BASIN ALL XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1083.46 -- ADJUSTED X = 205.20) -- (ORIG Y = 193.94 -- ADJUSTED Y = 36.73)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS											
			1	2	3	4	5	6	7	8	9	10	11	12
A	10	9.6	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	12.3	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	12.3	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	12.3	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	12.3	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	12.3	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	12.3	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	12.3	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	12.3	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	12.3	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	12.3	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			25.30	3.93	2.13	1.47	1.13	0.91	0.77	0.66	0.58	0.52	0.47	0.43

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99

J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.45	2.90	4.33	8.36	13.41	17.04	19.98	25.30	29.23	31.37	32.84	33.97	34.88	35.64	36.31	36.89	37.40	37.87	38.30

PROBABLE MAXIMUM STORM FOR (ALL)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.09	0.51	1300	0.11	1.05	1900	0.15	1.76
0200	0.07	0.14	0800	0.09	0.60	1400	0.11	1.16	2000	0.15	1.91
0300	0.07	0.21	0900	0.09	0.69	1500	0.11	1.28	2100	0.15	2.06
0400	0.07	0.28	1000	0.09	0.77	1600	0.11	1.39	2200	0.15	2.21
0500	0.07	0.36	1100	0.09	0.86	1700	0.11	1.50	2300	0.15	2.37
0600	0.07	0.43	1200	0.09	0.94	1800	0.11	1.61	2400	0.15	2.52
6-HR TOTAL	0.43			0.52			0.66			0.91	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.22	2.73	0700	0.48	4.47	1300	1.31	9.23	1900	0.44	33.66
0200	0.23	2.96	0800	0.53	4.99	1400	2.15	11.38	2000	0.40	34.06
0300	0.24	3.20	0900	0.59	5.58	1500	3.63	15.02	2100	0.36	34.42
0400	0.25	3.45	1000	0.67	6.26	1600	13.41	28.42	2200	0.33	34.75
0500	0.26	3.71	1100	0.77	7.03	1700	2.94	31.37	2300	0.31	35.06
0600	0.28	3.99	1200	0.89	7.92	1800	1.86	33.22	2400	0.30	35.36
6-HR TOTAL	1.47			3.93			25.30			2.13	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.19	35.55	0700	0.13	36.61	1300	0.10	37.35	1900	0.08	37.91
0200	0.19	35.73	0800	0.13	36.74	1400	0.10	37.44	2000	0.08	37.99
0300	0.19	35.92	0900	0.13	36.87	1500	0.10	37.54	2100	0.08	38.07
0400	0.19	36.11	1000	0.13	36.99	1600	0.10	37.64	2200	0.08	38.14
0500	0.19	36.30	1100	0.13	37.12	1700	0.10	37.73	2300	0.08	38.22
0600	0.19	36.48	1200	0.13	37.25	1800	0.10	37.83	2400	0.08	38.30
6-HR TOTAL	1.13			0.77			0.58			0.47	

PROBABLE MAXIMUM STORM OVER - (NE POND)
-- NUMBER OF VERTICES READ = 110 -- SUB-BASIN AREA = 3.77 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN NE POND XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1088.44 -- ADJUSTED X = 206.14) -- (ORIG Y = 198.84 -- ADJUSTED Y = 37.66)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS 1	2	3	4	5	6	7	8	9	10	11	12
A	10	0.8	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	3.8	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	3.8	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	3.8	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	3.8	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	3.8	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	3.8	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	3.8	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06

I	1000	3.8	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	3.8	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	3.8	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			22.16	3.44	1.88	1.30	0.99	0.80	0.67	0.58	0.51	0.46	0.41	0.37

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.02	2.04	3.06	5.92	9.77	13.40	16.48	22.16	25.60	27.48	28.77	29.76	30.57	31.24	31.82	32.33	32.79	33.20	33.57

PROBABLE MAXIMUM STORM FOR (NE POND)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.06	0.06	0700	0.08	0.45	1300	0.10	0.93	1900	0.13	1.55
0200	0.06	0.12	0800	0.08	0.53	1400	0.10	1.02	2000	0.13	1.68
0300	0.06	0.19	0900	0.08	0.60	1500	0.10	1.12	2100	0.13	1.81
0400	0.06	0.25	1000	0.08	0.68	1600	0.10	1.22	2200	0.13	1.95
0500	0.06	0.31	1100	0.08	0.75	1700	0.10	1.31	2300	0.13	2.08
0600	0.06	0.37	1200	0.08	0.83	1800	0.10	1.41	2400	0.13	2.21
6-HR TOTAL	0.37			0.46			0.58			0.80	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.19	2.40	0700	0.41	3.92	1300	1.34	8.29	1900	0.38	29.49
0200	0.20	2.60	0800	0.45	4.37	1400	2.32	10.61	2000	0.35	29.84
0300	0.21	2.81	0900	0.50	4.87	1500	3.62	14.23	2100	0.32	30.16
0400	0.22	3.03	1000	0.58	5.46	1600	9.77	24.01	2200	0.29	30.45
0500	0.23	3.26	1100	0.68	6.14	1700	3.09	27.09	2300	0.27	30.73
0600	0.25	3.51	1200	0.81	6.95	1800	2.02	29.11	2400	0.26	30.99
6-HR TOTAL	1.30			3.44			22.16			1.88	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.17	31.15	0700	0.11	32.09	1300	0.09	32.74	1900	0.07	33.23
0200	0.17	31.32	0800	0.11	32.20	1400	0.09	32.82	2000	0.07	33.30
0300	0.17	31.48	0900	0.11	32.32	1500	0.09	32.91	2100	0.07	33.37
0400	0.17	31.65	1000	0.11	32.43	1600	0.09	32.99	2200	0.07	33.44

	0500	0.17	31.81	1100	0.11	32.54	1700	0.09	33.08	2300	0.07	33.51
	0600	0.17	31.98	1200	0.11	32.65	1800	0.09	33.16	2400	0.07	33.57
6-HR TOTAL		0.99			0.67			0.51			0.41	

PROBABLE MAXIMUM STORM OVER - (NW POND)
-- NUMBER OF VERTICES READ = 95 -- SUB-BASIN AREA = 1.39 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN NW POND XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1083.25 -- ADJUSTED X = 205.16) -- (ORIG Y = 194.29 -- ADJUSTED Y = 36.80)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS											
			1	2	3	4	5	6	7	8	9	10	11	12
A	10	1.4	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	1.4	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	1.4	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	1.4	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	1.4	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	1.4	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	1.4	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	1.4	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	1.4	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	1.4	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	1.4	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93

PROBABLE MAXIMUM STORM FOR (NW POND)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.09	0.53	1300	0.11	1.10	1900	0.16	1.83

	0200	0.07	0.15	0800	0.09	0.62	1400	0.11	1.21	2000	0.16	1.99
	0300	0.07	0.22	0900	0.09	0.71	1500	0.11	1.33	2100	0.16	2.15
	0400	0.07	0.30	1000	0.09	0.80	1600	0.11	1.44	2200	0.16	2.31
	0500	0.07	0.37	1100	0.09	0.89	1700	0.11	1.56	2300	0.16	2.46
	0600	0.07	0.44	1200	0.09	0.98	1800	0.11	1.67	2400	0.16	2.62
6-HR TOTAL		0.44			0.54			0.69			0.95	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.23	2.85	0700	0.50	4.66	1300	1.30	9.56	1900	0.46	35.10
0200	0.23	3.08	0800	0.55	5.21	1400	2.09	11.65	2000	0.41	35.51
0300	0.25	3.33	0900	0.62	5.83	1500	3.64	15.29	2100	0.38	35.88
0400	0.26	3.59	1000	0.70	6.54	1600	14.66	29.94	2200	0.35	36.23
0500	0.28	3.86	1100	0.80	7.34	1700	2.89	32.84	2300	0.32	36.55
0600	0.29	4.16	1200	0.92	8.25	1800	1.80	34.64	2400	0.31	36.86
6-HR TOTAL	1.53			4.10			26.38			2.22	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.20	37.06	0700	0.13	38.17	1300	0.10	38.94	1900	0.08	39.52
0200	0.20	37.25	0800	0.13	38.30	1400	0.10	39.04	2000	0.08	39.60
0300	0.20	37.45	0900	0.13	38.44	1500	0.10	39.14	2100	0.08	39.68
0400	0.20	37.65	1000	0.13	38.57	1600	0.10	39.24	2200	0.08	39.76
0500	0.20	37.84	1100	0.13	38.70	1700	0.10	39.34	2300	0.08	39.85
0600	0.20	38.04	1200	0.13	38.83	1800	0.10	39.44	2400	0.08	39.93
6-HR TOTAL	1.17			0.80			0.61			0.49	

PROBABLE MAXIMUM STORM OVER - (PINES BROOK)
-- NUMBER OF VERTICES READ = 358 -- SUB-BASIN AREA = 4.58 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN PINES BROOK XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1079.57 -- ADJUSTED X = 204.46) -- (ORIG Y = 194.30 -- ADJUSTED Y = 36.80)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS 1	2	3	4	5	6	7	8	9	10	11	12
A	10	2.3	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	4.6	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	4.6	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	4.6	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	4.6	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	4.6	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	4.6	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	4.6	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	4.6	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	4.6	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	4.6	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			23.92	3.72	2.02	1.40	1.07	0.86	0.73	0.63	0.55	0.49	0.44	0.40

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93

B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.26	2.52	3.77	7.29	11.81	15.44	18.45	23.92	27.64	29.66	31.06	32.12	32.99	33.71	34.34	34.89	35.38	35.82	36.23

PROBABLE MAXIMUM STORM FOR (PINES BROOK)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.08	0.49	1300	0.10	1.00	1900	0.14	1.66
0200	0.07	0.13	0800	0.08	0.57	1400	0.10	1.10	2000	0.14	1.81
0300	0.07	0.20	0900	0.08	0.65	1500	0.10	1.21	2100	0.14	1.95
0400	0.07	0.27	1000	0.08	0.73	1600	0.10	1.31	2200	0.14	2.10
0500	0.07	0.34	1100	0.08	0.81	1700	0.10	1.42	2300	0.14	2.24
0600	0.07	0.40	1200	0.08	0.89	1800	0.10	1.52	2400	0.14	2.38
6-HR TOTAL	0.40			0.49			0.63			0.86	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.21	2.59	0700	0.45	4.23	1300	1.33	8.82	1900	0.41	31.83
0200	0.21	2.80	0800	0.49	4.72	1400	2.22	11.04	2000	0.38	32.21
0300	0.22	3.03	0900	0.55	5.27	1500	3.63	14.67	2100	0.34	32.55
0400	0.24	3.26	1000	0.63	5.90	1600	11.81	26.49	2200	0.32	32.87
0500	0.25	3.51	1100	0.73	6.64	1700	3.01	29.49	2300	0.29	33.16
0600	0.27	3.78	1200	0.86	7.50	1800	1.93	31.42	2400	0.28	33.44
6-HR TOTAL	1.40			3.72			23.92			2.02	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.18	33.62	0700	0.12	34.63	1300	0.09	35.33	1900	0.07	35.86
0200	0.18	33.80	0800	0.12	34.75	1400	0.09	35.42	2000	0.07	35.93
0300	0.18	33.98	0900	0.12	34.87	1500	0.09	35.51	2100	0.07	36.01
0400	0.18	34.15	1000	0.12	34.99	1600	0.09	35.60	2200	0.07	36.08
0500	0.18	34.33	1100	0.12	35.11	1700	0.09	35.69	2300	0.07	36.15
0600	0.18	34.51	1200	0.12	35.23	1800	0.09	35.78	2400	0.07	36.23
6-HR TOTAL	1.07			0.73			0.55			0.44	

PROBABLE MAXIMUM STORM OVER - (SCHODACK BROOK)
-- NUMBER OF VERTICES READ = 132 -- SUB-BASIN AREA = 0.54 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN SCHODACK BROOK XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1081.06 -- ADJUSTED X = 204.75) -- (ORIG Y = 188.43 -- ADJUSTED Y = 35.69)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS											
			1	2	3	4	5	6	7	8	9	10	11	12

A	10	0.5	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	0.5	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	0.5	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	0.5	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	0.5	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	0.5	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	0.5	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	0.5	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	0.5	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	0.5	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	0.5	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93

PROBABLE MAXIMUM STORM FOR (SCHODACK BROOK)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.09	0.53	1300	0.11	1.10	1900	0.16	1.83
0200	0.07	0.15	0800	0.09	0.62	1400	0.11	1.21	2000	0.16	1.99
0300	0.07	0.22	0900	0.09	0.71	1500	0.11	1.33	2100	0.16	2.15
0400	0.07	0.30	1000	0.09	0.80	1600	0.11	1.44	2200	0.16	2.31
0500	0.07	0.37	1100	0.09	0.89	1700	0.11	1.56	2300	0.16	2.46
0600	0.07	0.44	1200	0.09	0.98	1800	0.11	1.67	2400	0.16	2.62
6-HR TOTAL	0.44			0.54			0.69			0.95	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.23	2.85	0700	0.50	4.66	1300	1.30	9.56	1900	0.46	35.10
0200	0.23	3.08	0800	0.55	5.21	1400	2.09	11.65	2000	0.41	35.51
0300	0.25	3.33	0900	0.62	5.83	1500	3.64	15.29	2100	0.38	35.88
0400	0.26	3.59	1000	0.70	6.54	1600	14.66	29.94	2200	0.35	36.23
0500	0.28	3.86	1100	0.80	7.34	1700	2.89	32.84	2300	0.32	36.55
0600	0.29	4.16	1200	0.92	8.25	1800	1.80	34.64	2400	0.31	36.86
6-HR TOTAL	1.53			4.10			26.38			2.22	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.20	37.06	0700	0.13	38.17	1300	0.10	38.94	1900	0.08	39.52
0200	0.20	37.25	0800	0.13	38.30	1400	0.10	39.04	2000	0.08	39.60
0300	0.20	37.45	0900	0.13	38.44	1500	0.10	39.14	2100	0.08	39.68
0400	0.20	37.65	1000	0.13	38.57	1600	0.10	39.24	2200	0.08	39.76
0500	0.20	37.84	1100	0.13	38.70	1700	0.10	39.34	2300	0.08	39.85
0600	0.20	38.04	1200	0.13	38.83	1800	0.10	39.44	2400	0.08	39.93
6-HR TOTAL	1.17			0.80			0.61			0.49	

PROBABLE MAXIMUM STORM OVER - (SMITH POND CONTRIB)
-- NUMBER OF VERTICES READ = 119 -- SUB-BASIN AREA = 1.26 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN SMITH POND CONTRIB XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1084.58 -- ADJUSTED X = 205.41) -- (ORIG Y = 184.93 -- ADJUSTED Y = 35.02)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS 1	2	3	4	5	6	7	8	9	10	11	12
A	10	1.3	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	1.3	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	1.3	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	1.3	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	1.3	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	1.3	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	1.3	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	1.3	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	1.3	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	1.3	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	1.3	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH			26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVERAGE DEPTH	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93

PROBABLE MAXIMUM STORM FOR (SMITH POND CONTRIB)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.09	0.53	1300	0.11	1.10	1900	0.16	1.83
0200	0.07	0.15	0800	0.09	0.62	1400	0.11	1.21	2000	0.16	1.99
0300	0.07	0.22	0900	0.09	0.71	1500	0.11	1.33	2100	0.16	2.15
0400	0.07	0.30	1000	0.09	0.80	1600	0.11	1.44	2200	0.16	2.31
0500	0.07	0.37	1100	0.09	0.89	1700	0.11	1.56	2300	0.16	2.46
0600	0.07	0.44	1200	0.09	0.98	1800	0.11	1.67	2400	0.16	2.62
6-HR TOTAL	0.44			0.54			0.69			0.95	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.23	2.85	0700	0.50	4.66	1300	1.30	9.56	1900	0.46	35.10
0200	0.23	3.08	0800	0.55	5.21	1400	2.09	11.65	2000	0.41	35.51
0300	0.25	3.33	0900	0.62	5.83	1500	3.64	15.29	2100	0.38	35.88
0400	0.26	3.59	1000	0.70	6.54	1600	14.66	29.94	2200	0.35	36.23
0500	0.28	3.86	1100	0.80	7.34	1700	2.89	32.84	2300	0.32	36.55
0600	0.29	4.16	1200	0.92	8.25	1800	1.80	34.64	2400	0.31	36.86
6-HR TOTAL	1.53			4.10			26.38			2.22	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.20	37.06	0700	0.13	38.17	1300	0.10	38.94	1900	0.08	39.52
0200	0.20	37.25	0800	0.13	38.30	1400	0.10	39.04	2000	0.08	39.60
0300	0.20	37.45	0900	0.13	38.44	1500	0.10	39.14	2100	0.08	39.68
0400	0.20	37.65	1000	0.13	38.57	1600	0.10	39.24	2200	0.08	39.76
0500	0.20	37.84	1100	0.13	38.70	1700	0.10	39.34	2300	0.08	39.85
0600	0.20	38.04	1200	0.13	38.83	1800	0.10	39.44	2400	0.08	39.93
6-HR TOTAL	1.17			0.80			0.61			0.49	

PROBABLE MAXIMUM STORM OVER - (WATERBODIES)
-- NUMBER OF VERTICES READ = 165 -- SUB-BASIN AREA = 0.76 SQ. MI.

PROBABLE MAXIMUM STORM RESULTS OVER BASIN WATERBODIES XY_PTS --
PROBABLE MAXIMUM STORM CENTER AT X = 205.20 -- Y = 36.73 --
STORM AREA = 10 (SQ. MI.) -- ORIENTATION = 207.97 DEGREES -- PREFERRED ORIENTATION = 201.00 DEGREES -- ELLIPSE RATIO = 2.50
BASIN COORDINATES (ORIG X = 1082.46 -- ADJUSTED X = 205.01) -- (ORIG Y = 185.74 -- ADJUSTED Y = 35.18)

AREA	ISOHYET AREA (SQ.MI.)	AREA WITHIN (SQ.MI.)	DEPTHS (INCHES) FOR 6-HOUR INCREMENTS OF PMS 1	2	3	4	5	6	7	8	9	10	11	12
A	10	0.7	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44
B	25	0.8	16.89	2.62	1.45	1.00	0.76	0.62	0.52	0.45	0.39	0.35	0.32	0.29
C	50	0.8	12.66	1.97	1.07	0.74	0.56	0.46	0.38	0.33	0.29	0.26	0.23	0.21
D	100	0.8	10.03	1.60	0.87	0.60	0.46	0.37	0.31	0.27	0.24	0.21	0.19	0.17
E	175	0.8	7.92	1.23	0.67	0.46	0.35	0.28	0.24	0.21	0.18	0.16	0.15	0.13
F	300	0.8	6.33	0.98	0.53	0.37	0.28	0.23	0.19	0.17	0.15	0.13	0.12	0.11
G	450	0.8	5.01	0.82	0.44	0.31	0.23	0.19	0.16	0.14	0.12	0.11	0.10	0.09
H	700	0.8	3.69	0.57	0.31	0.21	0.16	0.13	0.11	0.10	0.08	0.08	0.07	0.06
I	1000	0.8	2.64	0.41	0.22	0.15	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.04
J	1500	0.8	1.58	0.29	0.14	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.03
K	2150	0.8	0.53	0.12	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01
L	3000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	4500	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	6500	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	10000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	15000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	25000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	40000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	60000	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVERAGE DEPTH		26.10	4.05	2.20	1.52	1.16	0.94	0.79	0.68	0.60	0.53	0.48	0.44

TIME INTERVAL = 60 MINUTES -- 1-HR TO 6-HR RATIO FOR ISOHYET A AT 20000 SQ. MI. = 0.3

DEPTH VS. DURATION

ISOHYET	5MIN	10MIN	15MIN	30MIN	1-HR	2-HR	3-HR	6-HR	12-HR	18-HR	24-HR	30-HR	36-HR	42-HR	48-HR	54-HR	60-HR	66-HR	72-HR
A	1.59	3.19	4.77	9.20	14.66	18.30	21.19	26.38	30.48	32.71	34.24	35.41	36.36	37.16	37.85	38.46	39.00	39.48	39.93
B	0.30	0.61	0.92	1.84	3.68	7.29	10.61	16.89	19.51	20.95	21.95	22.71	23.33	23.85	24.30	24.69	25.04	25.36	25.65
C	0.23	0.46	0.69	1.38	2.76	5.46	7.96	12.66	14.63	15.70	16.44	17.00	17.45	17.84	18.17	18.46	18.72	18.95	19.16
D	0.18	0.36	0.54	1.09	2.18	4.32	6.29	10.03	11.62	12.49	13.09	13.55	13.92	14.23	14.50	14.73	14.94	15.13	15.31
E	0.14	0.29	0.43	0.86	1.73	3.42	4.97	7.92	9.14	9.81	10.27	10.62	10.91	11.15	11.36	11.54	11.70	11.84	11.98
F	0.11	0.23	0.34	0.69	1.38	2.73	3.98	6.33	7.32	7.85	8.22	8.50	8.73	8.92	9.08	9.23	9.36	9.48	9.58
G	0.09	0.18	0.27	0.54	1.09	2.16	3.14	5.01	5.83	6.28	6.58	6.82	7.01	7.17	7.31	7.43	7.54	7.63	7.72
H	0.07	0.13	0.20	0.40	0.81	1.59	2.32	3.69	4.27	4.58	4.79	4.96	5.09	5.20	5.30	5.38	5.46	5.53	5.59
I	0.05	0.10	0.14	0.29	0.58	1.14	1.66	2.64	3.05	3.27	3.42	3.54	3.64	3.72	3.79	3.85	3.90	3.95	3.99
J	0.03	0.06	0.09	0.17	0.34	0.68	0.99	1.58	1.87	2.01	2.11	2.19	2.25	2.30	2.35	2.39	2.42	2.45	2.48
K	0.01	0.02	0.03	0.06	0.11	0.22	0.32	0.53	0.65	0.72	0.76	0.80	0.83	0.85	0.87	0.89	0.91	0.92	0.93
L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DEPTH	1.55	3.11	4.66	8.98	14.33	17.97	20.87	26.10	30.15	32.35	33.87	35.03	35.97	36.76	37.44	38.04	38.58	39.06	39.50

PROBABLE MAXIMUM STORM FOR (WATERBODIES)

DAY 1

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.07	0.07	0700	0.09	0.53	1300	0.11	1.09	1900	0.16	1.81
0200	0.07	0.15	0800	0.09	0.62	1400	0.11	1.20	2000	0.16	1.97
0300	0.07	0.22	0900	0.09	0.71	1500	0.11	1.31	2100	0.16	2.12
0400	0.07	0.29	1000	0.09	0.80	1600	0.11	1.43	2200	0.16	2.28
0500	0.07	0.37	1100	0.09	0.88	1700	0.11	1.54	2300	0.16	2.44
0600	0.07	0.44	1200	0.09	0.97	1800	0.11	1.65	2400	0.16	2.59
6-HR TOTAL	0.44			0.53			0.68			0.94	

DAY 2

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.22	2.82	0700	0.50	4.61	1300	1.30	9.47	1900	0.45	34.72
0200	0.23	3.05	0800	0.55	5.15	1400	2.11	11.58	2000	0.41	35.13
0300	0.24	3.29	0900	0.61	5.77	1500	3.64	15.22	2100	0.37	35.50
0400	0.26	3.55	1000	0.70	6.46	1600	14.33	29.54	2200	0.34	35.84
0500	0.27	3.82	1100	0.79	7.26	1700	2.91	32.45	2300	0.32	36.16
0600	0.29	4.11	1200	0.91	8.17	1800	1.82	34.27	2400	0.30	36.47
6-HR TOTAL	1.52			4.05			26.10			2.20	

DAY 3

TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL	TIME	PRECIPITATION INCR	PRECIPITATION TOTAL
0100	0.19	36.66	0700	0.13	37.76	1300	0.10	38.52	1900	0.08	39.10
0200	0.19	36.85	0800	0.13	37.89	1400	0.10	38.62	2000	0.08	39.18
0300	0.19	37.05	0900	0.13	38.02	1500	0.10	38.72	2100	0.08	39.26
0400	0.19	37.24	1000	0.13	38.15	1600	0.10	38.82	2200	0.08	39.34
0500	0.19	37.43	1100	0.13	38.29	1700	0.10	38.92	2300	0.08	39.42
0600	0.19	37.63	1200	0.13	38.42	1800	0.10	39.02	2400	0.08	39.50
6-HR TOTAL	1.16			0.79			0.60			0.48	

<<<--- 22/05/2014 (14:49:00) --- HMR52 SIMULATED COMPLETED --- TOTAL 24 HOUR STORM OF 32.84 INCHES --->>>

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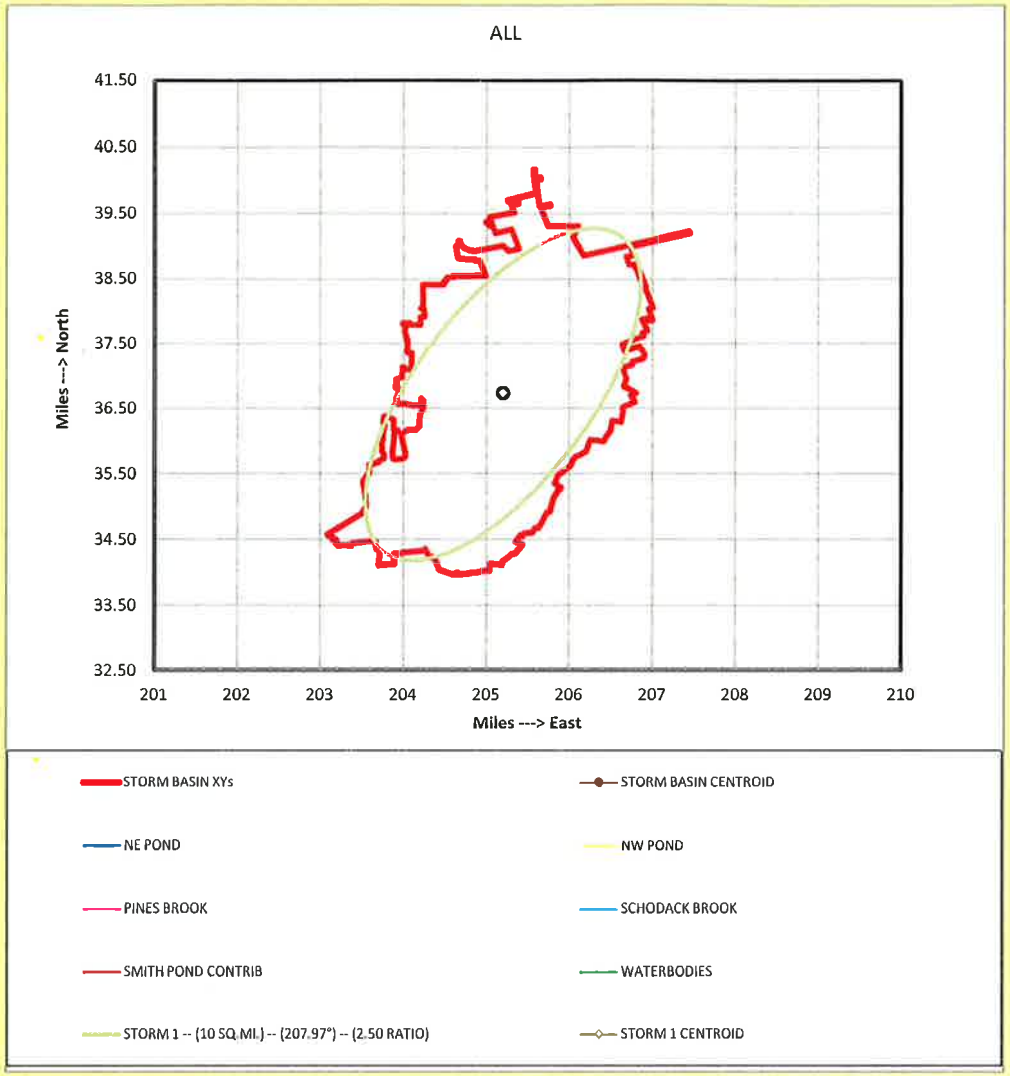


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<<<--- 22/05/2014  (14:49:00) --- HMR52 SIMULATED COMPLETED --- TOTAL 24 HOUR STORM
                                OF 32.84 INCHES --->>>
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[SIMULATION REQUIRED 00:00:27 (HH:MM:SS) TO RUN] - [<<<--- STORM 1 -- (10 SQ.MI.) -- (207.97°) - (2.50 RATIO) --->>>] - TOTAL 18 HOUR STORM OF 31.37 INCHES - TOTAL 24 HOUR STORM OF 32.84 INCHES - TOTAL 48 HOUR STORM OF 36.31 INCHES - TOTAL 72 HOUR STORM OF 38.30 INCHES

Storm Basin Drainage Stats

NUMBER OF (X,Y) VERTICES = 354

X ORIGINAL CENTROID= 1083.46 Y ORIGINAL CENTROID = 193.94

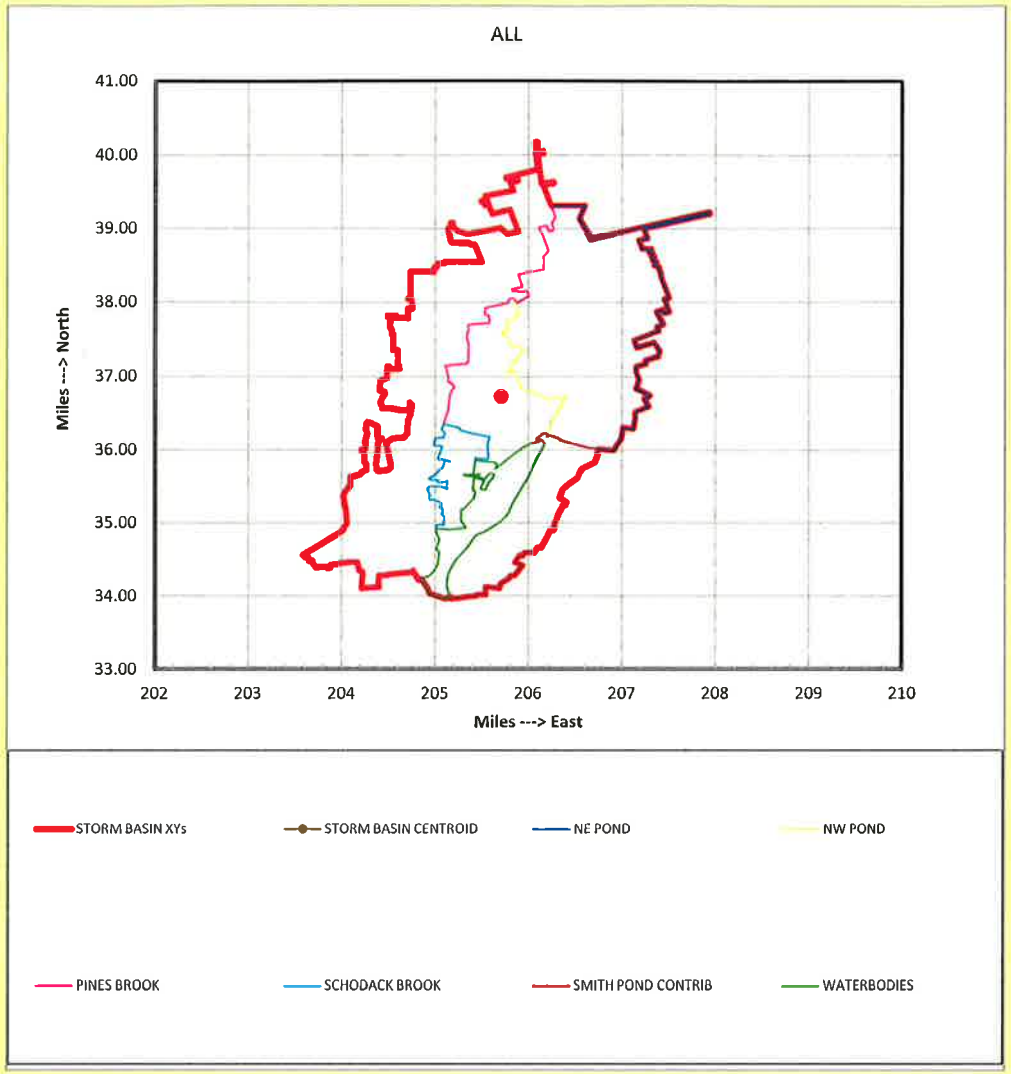
X ADJUSTED CENTROID= 205.20 Y ADJUSTED CENTROID = 36.73

X,Y MULTIPLIER TO MILES = 0.18939

DRAINAGE AREA (MILES) = 12.30

All Ellipical Storms Show The Outline of The Critical Storm Area Only, Along With Its Orientation And Centroid.

Click Here To Regenerate The Total Storm Basin And Its Sub-basins.



<<<--- 22/05/2014 (14:49:00) --- HMR52 SIMULATED COMPLETED --- TOTAL 24 HOUR STORM OF 32.84 INCHES --->>>

[SIMULATION REQUIRED 00:00:27 (HH:MM:SS) TO RUN] - [<<<--- STORM 1 -- (10 SQ.MI.) -- (207.97°) - (2.50 RATIO) --->>>] - TOTAL 18 HOUR STORM OF 31.37 INCHES - TOTAL 24 HOUR STORM OF 32.84 INCHES - TOTAL 48 HOUR STORM OF 36.31 INCHES - TOTAL 72 HOUR STORM OF 38.30 INCHES

Storm Basin Drainage Stats

NUMBER OF (X,Y) VERTICES = 354

X ORIGINAL CENTROID= 1083.46 Y ORIGINAL CENTROID = 193.94

X ADJUSTED CENTROID= 205.20 Y ADJUSTED CENTROID = 36.73

X,Y MULTIPLIER TO MILES = 0.18939

DRAINAGE AREA (MILES) = 12.30

All Ellipical Storms Show The Outline of The Critical Storm Area Only, Along With Its Orientation And Centroid.

Click Here To Regenerate The Total Storm Basin And Its Sub-basins.

STORM CENTER 1 -- PERCENTAGE OF HMR51 DEPTH-AREA-DURATION RAINFALL -- 100.00%													
STORM AREA	PMP DEPTHS FOR 6-HOUR INCREMENTS (INCHES)												TOTAL
(SQ.MI.)	0-6 HR	7-12 HR	13-18 HR	19-24 HR	25-30 HR	31-36 HR	37-42 HR	43-48 HR	49-54 HR	55-60 HR	61-66 HR	67-72 HR	0-72 HR
10	26.38	4.10	2.22	1.53	1.17	0.95	0.80	0.69	0.61	0.54	0.49	0.44	39.93
25	24.42	4.04	2.17	1.50	1.14	0.92	0.78	0.67	0.59	0.52	0.47	0.43	37.65
50	22.80	3.98	2.13	1.46	1.12	0.90	0.76	0.65	0.57	0.51	0.46	0.42	35.76
100	20.39	3.91	2.07	1.42	1.08	0.87	0.73	0.63	0.55	0.49	0.44	0.40	32.98
175	18.45	3.85	2.02	1.38	1.05	0.84	0.71	0.61	0.53	0.48	0.43	0.39	30.73
300	16.64	3.89	2.00	1.35	1.03	0.83	0.69	0.59	0.52	0.46	0.42	0.38	28.81
450	15.31	3.93	1.99	1.34	1.01	0.82	0.68	0.59	0.51	0.46	0.41	0.38	27.42
700	13.85	3.97	1.98	1.33	1.00	0.80	0.67	0.58	0.51	0.45	0.41	0.37	25.91
1,000	12.66	4.02	1.97	1.32	0.99	0.79	0.66	0.57	0.50	0.44	0.40	0.36	24.68
1,500	11.44	3.91	1.95	1.31	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	23.30
2,150	10.36	3.78	1.92	1.30	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.36	22.09
3,000	9.36	3.69	1.90	1.29	0.98	0.79	0.66	0.57	0.50	0.44	0.40	0.37	20.95
4,500	8.14	3.56	1.88	1.29	0.98	0.79	0.66	0.57	0.50	0.45	0.40	0.37	19.58
6,500	7.14	3.43	1.81	1.23	0.94	0.76	0.64	0.55	0.48	0.43	0.39	0.35	18.14
10,000	6.04	3.27	1.70	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	16.37
15,000	4.99	3.12	1.67	1.15	0.88	0.71	0.59	0.51	0.45	0.40	0.36	0.33	15.16
25,000	3.68	2.93	1.63	1.14	0.87	0.71	0.60	0.52	0.45	0.41	0.37	0.33	13.64

40000													
60000	3.847943783												TOTAL
(SQ.MI.)	0-6 HR	7-12 HR	13-18 HR	19-24 HR	25-30 HR	31-36 HR	37-42 HR	43-48 HR	49-54 HR	55-60 HR	61-66 HR	67-72 HR	0-72 HR
10													-
25													-
50													-
100													-
175													-
300													-
450													-
700													-
1,000													-
1,500													-
2,150													-
3,000													-
4,500													-
6,500													-
10,000													-
15,000													-
25,000													-

ESTIMATION OF DAM BREACH PARAMETERS
USING THE FROEHLICH 2008 METHOD

PROJECT: Hempstead Lake Dam

BREACH INPUT PARAMETERS:

Select Failure Mode From Drop-Down Menu:	PIPING	
Height of water over base elevation of breach (H_w) =	16.7	Feet
Volume of water in the reservoir at the time of failure (V_w) =	2,453.0	Acre-Feet
Reservoir Surface Area at Hw (A_s) =	163.8	Acres
Height of breach (H_b) =	16.7	Feet
Failure Mode Factor (K_o) =	1	
Breach Side-Slope Ratio (Z_b) =	1	Z(H):1(V)
Dam Size Class:	Small	Assumes Full Reservoir At Time of Breach.

CALCULATED BREACH CHARACTERISTICS:

Average Breach Width (B_{avg}) =	112.1	Feet
Bottom Width of Breach (B_b) =	95.4	Feet
Breach Formation Time (T_f) =	1.92	Hours
Storage Intensity (SI) =	147.2	Acre Feet/Foot
Predicted Peak Flow (Q_p) =	12723	Cubic Feet per Second

RESULTS CHECK:

Average Breach Width Divided by Height of Breach (B_{avg}/H_b) =	6.73	If (B_{avg}/H_b) > 0.6, Full Breach Devlopment is Anticipated
Erosion Rate (ER), Calculated as (B_{avg}/T_f) =	58.4	
Erosion Rate Divided by Height of Water Over Base of Breach (ER/H_w) =	3.5	If 1.6 < (ER/H_w) < 21, Erosion Rate is Assumed Reasonable

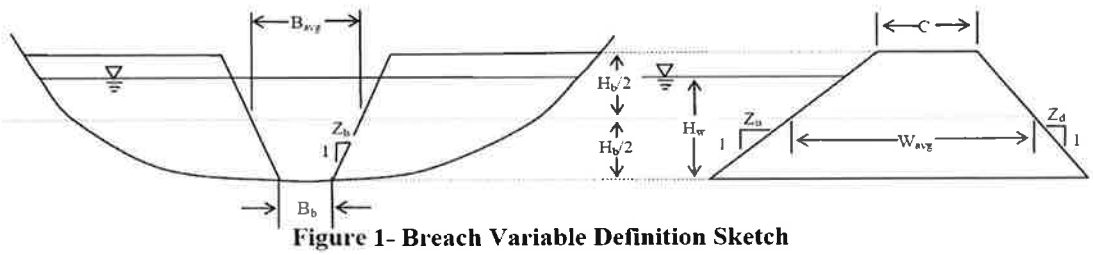


Figure 1- Breach Variable Definition Sketch

ESTIMATION OF DAM BREACH PARAMETERS
USING THE FROEHLICH 2008 METHOD

PROJECT: Hempstead Lake Dam

BREACH INPUT PARAMETERS:

Select Failure Mode From Drop-Down Menu:	OVERTOPPING	
Height of water over base elevation of breach (H_w) =	16.7	Feet
Volume of water in the reservoir at the time of failure (V_w) =	2,453.0	Acre-Feet
Reservoir Surface Area at Hw (A_s) =	163.8	Acres
Height of breach (H_b) =	16.7	Feet
Failure Mode Factor (K_o) =	1.3	
Breach Side-Slope Ratio (Z_b) =	1	Z(H):1(V)
Dam Size Class:	Small	Assumes Full Reservoir At Time of Breach.

CALCULATED BREACH CHARACTERISTICS:

Average Breach Width (B_{avg}) =	145.7	Feet
Bottom Width of Breach (B_b) =	129.0	Feet
Breach Formation Time (T_f) =	1.92	Hours
Storage Intensity (SI) =	147.2	Acre Feet/Foot
Predicted Peak Flow (Q_p) =	14049	Cubic Feet per Second

RESULTS CHECK:

Average Breach Width Divided by Height of Breach (B_{avg}/H_b) =	8.74	If (B_{avg}/H_b) > 0.6, Full Breach Devlopment is Anticipated
Erosion Rate (ER), Calculated as (B_{avg}/T_f) =	75.9	
Erosion Rate Divided by Height of Water Over Base of Breach (ER/H_w) =	4.6	If 1.6 < (ER/H_w) < 21, Erosion Rate is Assumed Reasonable

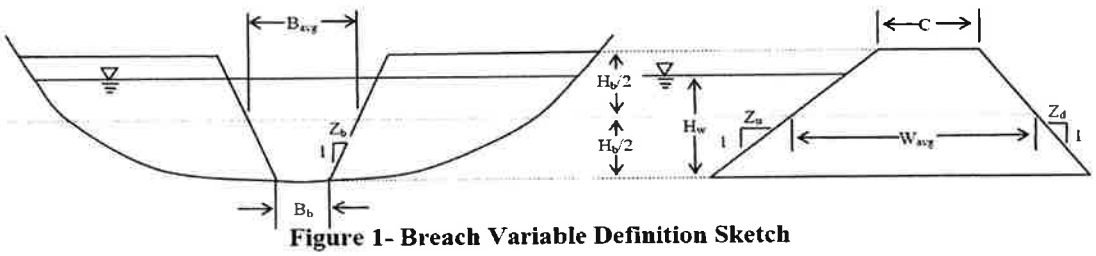


Figure 1- Breach Variable Definition Sketch

Existing 5 Year 8/27/15

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	1760.40	26.48	31.40		31.52	0.000756	2.77	636.62	385.34	0.29
Hempstead Lake	15523.7*	Max WS	1760.03	26.43	31.35		31.47	0.004194	2.71	650.19	386.99	0.28
Hempstead Lake	15503.5*	Max WS	1759.66	26.38	31.27		31.39	0.004047	2.70	651.38	385.37	0.28
Hempstead Lake	15483.3*	Max WS	1759.30	26.34	31.19		31.31	0.003859	2.71	648.99	383.82	0.29
Hempstead Lake	15463.0*	Max WS	1758.57	26.29	31.12		31.23	0.003729	2.73	643.19	381.61	0.29
Hempstead Lake	15442.8*	Max WS	1758.45	26.24	31.04		31.16	0.003759	2.77	634.62	378.35	0.30
Hempstead Lake	15422.5*	Max WS	1758.27	26.19	30.96		31.09	0.003746	2.83	621.60	373.71	0.32
Hempstead Lake	15402.3*	Max WS	1757.52	26.15	30.88		31.01	0.003813	2.91	603.21	367.24	0.33
Hempstead Lake	15382.1*	Max WS	1757.48	26.10	30.79		30.94	0.004136	3.03	579.73	359.11	0.36
Hempstead Lake	15361.8*	Max WS	1757.39	26.05	30.69		30.85	0.004525	3.20	548.49	347.63	0.39
Hempstead Lake	15341.6*	Max WS	1757.24	26.00	30.57		30.75	0.005541	3.47	506.65	331.02	0.44
Hempstead Lake	15321.4*	Max WS	1757.10	25.96	30.41		30.64	0.005613	3.82	460.09	284.84	0.48
Hempstead Lake	15301.1*	Max WS	1756.78	25.91	30.27		30.53	0.005507	4.13	425.61	255.14	0.51
Hempstead Lake	15280.9*	Max WS	1756.75	25.86	30.11		30.42	0.006278	4.48	392.10	241.43	0.57
Hempstead Lake	15260.7*	Max WS	1756.70	25.81	29.91		30.30	0.007297	4.99	352.12	224.75	0.65
Hempstead Lake	15240.4*	Max WS	1756.33	25.77	29.61		30.17	0.010414	5.98	293.76	196.65	0.83
Hempstead Lake	15220.2*	Max WS	1756.53	25.72	29.37	29.39	30.14	0.014438	7.04	249.37	172.76	1.02
Hempstead Lake	15200.02	Max WS	1756.47	25.67	29.01	29.40	30.31	0.023243	9.13	192.36	144.45	1.39
Hempstead Lake	15180.7*	Max WS	1756.34	25.24	28.59	28.85	29.64	0.023944	8.21	213.92	159.73	1.25
Hempstead Lake	15161.4*	Max WS	1756.32	24.82	28.16	28.31	29.03	0.024907	7.49	234.55	175.32	1.14
Hempstead Lake	15142.1*	Max WS	541.14	24.39	28.09		28.13	0.001216	1.65	327.18	210.62	0.23
Hempstead Lake	15122.8*	Max WS	540.66	23.96	28.09		28.11	0.000593	1.19	455.00	244.87	0.15
Hempstead Lake	15103.5*	Max WS	540.34	23.53	28.09		28.11	0.000316	0.90	601.85	271.43	0.11
Hempstead Lake	15084.2*	Max WS	540.13	23.11	28.09		28.10	0.000195	0.70	766.71	300.08	0.08
Hempstead Lake	15064.9*	Max WS	539.97	22.68	28.09		28.10	0.000126	0.57	951.23	333.84	0.06
Hempstead Lake	15045.6*	Max WS	539.85	22.25	28.09		28.10	0.000088	0.46	1161.23	379.53	0.05
Hempstead Lake	15026.4*	Max WS	539.75	21.82	28.09		28.09	0.000060	0.39	1396.33	411.60	0.04
Hempstead Lake	15007.1*	Max WS	545.89	21.40	28.09		28.09	0.000043	0.33	1648.68	436.66	0.03
Hempstead Lake	14987.82	Max WS	545.88	20.97	28.09		28.09	0.000005	0.28	1919.02	460.82	0.02
Hempstead Lake	14966.6*	Max WS	552.52	20.84	28.09		28.09	0.000025	0.26	2094.27	479.28	0.02
Hempstead Lake	14945.4*	Max WS	552.51	20.72	28.09		28.09	0.000020	0.24	2277.77	497.99	0.02
Hempstead Lake	14924.3*	Max WS	551.79	20.59	28.09		28.09	0.000016	0.22	2471.97	516.84	0.02
Hempstead Lake	14903.1*	Max WS	551.79	20.46	28.09		28.09	0.000013	0.21	2674.74	535.74	0.02
Hempstead Lake	14882.*	Max WS	551.79	20.34	28.09		28.09	0.000010	0.19	2887.34	554.26	0.01
Hempstead Lake	14860.8*	Max WS	551.78	20.21	28.09		28.09	0.000008	0.18	3109.74	573.58	0.01
Hempstead Lake	14839.6*	Max WS	551.78	20.08	28.09		28.09	0.000007	0.17	3340.37	593.46	0.01
Hempstead Lake	14818.5*	Max WS	551.78	19.96	28.09		28.09	0.000006	0.15	3580.56	613.72	0.01
Hempstead Lake	14797.35	Max WS	551.77	19.83	28.09		28.09	0.000001	0.14	3829.03	634.24	0.01
Hempstead Lake	14777.4*	Max WS	551.77	19.81	28.09		28.09	0.000004	0.14	3935.85	647.02	0.01
Hempstead Lake	14757.4*	Max WS	551.76	19.80	28.09		28.09	0.000004	0.14	4043.97	659.86	0.01
Hempstead Lake	14737.5*	Max WS	551.76	19.78	28.09		28.09	0.000003	0.13	4152.68	672.67	0.01
Hempstead Lake	14717.5*	Max WS	551.75	19.76	28.09		28.09	0.000003	0.13	4263.82	685.55	0.01
Hempstead Lake	14697.6*	Max WS	551.75	19.74	28.09		28.09	0.000003	0.13	4375.56	698.57	0.01
Hempstead Lake	14677.6*	Max WS	551.74	19.73	28.09		28.09	0.000002	0.12	4488.68	711.53	0.01
Hempstead Lake	14657.7*	Max WS	551.74	19.71	28.09		28.09	0.000002	0.12	4603.05	724.60	0.01
Hempstead Lake	14637.7*	Max WS	551.73	19.69	28.09		28.09	0.000002	0.12	4719.02	737.70	0.01
Hempstead Lake	14617.8*	Max WS	551.73	19.67	28.09		28.09	0.000001	0.11	4836.19	750.84	0.01
Hempstead Lake	14597.8*	Max WS	551.72	19.65	28.09		28.09	0.000001	0.11	4954.81	764.08	0.01
Hempstead Lake	14577.9*	Max WS	551.71	19.64	28.09		28.09	0.000001	0.11	5073.14	777.35	0.01
Hempstead Lake	14557.9*	Max WS	551.71	19.62	28.09		28.09	0.000001	0.11	5195.03	790.61	0.01
Hempstead Lake	14538.0*	Max WS	551.71	19.60	28.09		28.09	0.000001	0.10	5316.57	804.02	0.01
Hempstead Lake	14518.0*	Max WS	552.29	19.58	28.09		28.09	0.000001	0.10	5441.45	817.29	0.01
Hempstead Lake	14498.1*	Max WS	551.70	19.57	28.09		28.09	0.000001	0.10	5564.71	830.70	0.01
Hempstead Lake	14478.1*	Max WS	551.70	19.55	28.09		28.09	0.000001	0.10	5691.58	844.36	0.01
Hempstead Lake	14458.2*	Max WS	552.28	19.53	28.09		28.09	0.000000	0.09	5819.26	858.05	0.01
Hempstead Lake	14438.2*	Max WS	551.70	19.51	28.09		28.09	0.000000	0.09	5948.62	872.01	0.01
Hempstead Lake	14418.3*	Max WS	552.87	19.50	28.09		28.09	0.000000	0.09	6077.36	886.14	0.01
Hempstead Lake	14398.37	Max WS	552.27	19.48	28.09		28.09	0.000000	0.09	6210.09	900.52	0.01
Hempstead Lake	14378.3*	Max WS	552.86	19.48	28.09		28.09	0.000000	0.09	6073.54	885.65	0.01
Hempstead Lake	14358.3*	Max WS	551.70	19.49	28.09		28.09	0.000000	0.09	5937.71	870.54	0.01
Hempstead Lake	14338.2*	Max WS	552.26	19.49	28.09		28.09	0.000000	0.10	5807.47	855.56	0.01
Hempstead Lake	14318.2*	Max WS	552.26	19.49	28.09		28.09	0.000000	0.10	5677.94	840.48	0.01
Hempstead Lake	14298.2*	Max WS	552.84	19.49	28.09		28.09	0.000000	0.10	5550.55	825.64	0.01
Hempstead Lake	14278.1*	Max WS	552.26	19.50	28.09		28.09	0.000000	0.10	5425.52	810.64	0.01
Hempstead Lake	14258.1*	Max WS	553.45	19.50	28.09		28.09	0.000000	0.10	5303.48	795.75	0.01
Hempstead Lake	14238.1*	Max WS	552.84	19.50	28.09		28.09	0.000000	0.11	5183.42	780.82	0.01
Hempstead Lake	14218.0*	Max WS	553.45	19.50	28.09		28.09	0.000000	0.11	5065.39	765.86	0.01
Hempstead Lake	14198.0*	Max WS	552.84	19.51	28.09		28.09	0.000000	0.11	4949.70	751.10	0.01
Hempstead Lake	14178.0*	Max WS	554.08	19.51	28.09		28.09	0.000000	0.11	4836.42	736.19	0.01
Hempstead Lake	14157.9*	Max WS	554.07	19.51	28.09		28.09	0.000000	0.12	4725.65	721.17	0.01
Hempstead Lake	14137.9*	Max WS	554.07	19.51	28.09		28.09	0.000000	0.12	4617.12	706.35	0.01
Hempstead Lake	14117.9*	Max WS	553.44	19.52	28.09		28.09	0.000001	0.12	4511.07	691.34	0.01
Hempstead Lake	14097.8*	Max WS	554.06	19.52	28.09		28.09	0.000001	0.13	4407.22	676.40	0.01
Hempstead Lake	14077.8*	Max WS	554.06	19.52	28.09		28.09	0.000001	0.13	4305.83	661.35	0.01
Hempstead Lake	14057.8*	Max WS	554.05	19.52	28.09		28.09	0.000001	0.13	4206.65	646.15	0.01
Hempstead Lake	14037.7*	Max WS	553.45	19.53	28.09		28.09	0.000001	0.13	4111.18	630.99	0.01
Hempstead Lake	14017.75	Max WS	554.05	19.53	28.09		28.09	0.000001	0.14	4016.05	615.53	0.01
Hempstead Lake	13998.2*	Max WS	554.05	19.61	28.09		28.09	0.000001	0.14	3918.19	635.65	0.01
Hempstead Lake	13978.6*	Max WS	554.66	19.69	28.09		28.09	0.000002	0.15	3795.06	656.72	0.01
Hempstead Lake	13959.1*	Max WS	554.65	19.77	28.09		28.09	0.000002	0.15	3603.22	678.96	0.01
Hempstead Lake	13939.6*	Max WS	554.04	19.85	28.09		28.09	0.000003	0.17	3346.58	702.39	0.01

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	554.04	19.94	28.09		28.09	0.000003	0.18	3034.70	722.62	0.01
Hempstead Lake	13900.5*	Max WS	554.63	20.02	28.09		28.09	0.000005	0.21	2676.50	742.22	0.02
Hempstead Lake	13881.*	Max WS	554.04	20.10	28.09		28.09	0.000008	0.24	2333.69	761.40	0.02
Hempstead Lake	13861.4*	Max WS	554.03	20.18	28.09		28.09	0.000010	0.27	2036.19	780.41	0.02
Hempstead Lake	13841.9*	Max WS	553.46	20.26	28.09		28.09	0.000013	0.30	1837.82	694.25	0.03
Hempstead Lake	13822.3*	Max WS	553.46	20.34	28.09		28.09	0.000016	0.32	1708.53	626.99	0.03
Hempstead Lake	13802.8*	Max WS	553.46	20.42	28.09		28.09	0.000021	0.34	1614.19	617.95	0.03
Hempstead Lake	13783.3*	Max WS	553.46	20.50	28.09		28.09	0.000027	0.36	1525.84	611.74	0.03
Hempstead Lake	13763.7*	Max WS	552.90	20.59	28.09		28.09	0.000035	0.38	1441.71	607.28	0.03
Hempstead Lake	13744.2*	Max WS	552.90	20.67	28.08		28.09	0.000044	0.41	1361.20	603.28	0.03
Hempstead Lake	13724.7*	Max WS	551.83	20.75	28.08		28.09	0.000055	0.43	1285.24	600.09	0.04
Hempstead Lake	13705.1*	Max WS	551.33	20.83	28.08		28.08	0.000068	0.45	1212.83	597.67	0.04
Hempstead Lake	13685.63	Max WS	551.83	20.91	28.08		28.08	0.000014	0.48	1143.90	596.23	0.04
Hempstead Lake	13666.4*	Max WS	552.35	21.07	28.08		28.08	0.000006	0.22	2460.05	624.52	0.02
Hempstead Lake	13647.1*	Max WS	552.34	21.23	28.08		28.08	0.000007	0.23	2407.67	653.39	0.02
Hempstead Lake	13627.9*	Max WS	552.34	21.39	28.08		28.08	0.000008	0.24	2314.63	683.13	0.02
Hempstead Lake	13608.7*	Max WS	552.34	21.56	28.08		28.08	0.000010	0.25	2180.65	714.87	0.03
Hempstead Lake	13589.5*	Max WS	552.33	21.72	28.08		28.08	0.000011	0.27	2008.52	747.83	0.03
Hempstead Lake	13570.2*	Max WS	552.33	21.88	28.08		28.08	0.000012	0.31	1806.20	711.66	0.03
Hempstead Lake	13551.0*	Max WS	552.33	22.04	28.08		28.08	0.000013	0.32	1750.82	537.85	0.03
Hempstead Lake	13531.8*	Max WS	551.83	22.20	28.08		28.08	0.000014	0.31	1780.41	607.21	0.03
Hempstead Lake	13512.6*	Max WS	552.32	22.36	28.08		28.08	0.000012	0.29	1897.65	664.98	0.03
Hempstead Lake	13493.3*	Max WS	552.31	22.53	28.08		28.08	0.000008	0.28	2020.75	647.11	0.03
Hempstead Lake	13474.1*	Max WS	552.30	22.69	28.08		28.08	0.000006	0.26	2124.90	622.52	0.02
Hempstead Lake	13454.9*	Max WS	551.83	22.85	28.08		28.08	0.000005	0.26	2206.06	596.06	0.02
Hempstead Lake	13435.72	Max WS	552.29	23.01	28.08		28.08	0.000004	0.25	2262.21	566.79	0.02
Hempstead Lake	13419.3*	Max WS	551.83	23.00	28.08		28.08	0.000005	0.26	2144.68	556.76	0.02
Hempstead Lake	13403.0*	Max WS	551.83	23.00	28.08		28.08	0.000006	0.28	2038.51	546.56	0.02
Hempstead Lake	13386.6*	Max WS	552.28	22.99	28.08		28.08	0.000007	0.29	1943.63	537.71	0.03
Hempstead Lake	13370.3*	Max WS	552.28	22.98	28.08		28.08	0.000007	0.30	1864.86	530.52	0.03
Hempstead Lake	13354.*	Max WS	552.27	22.98	28.08		28.08	0.000008	0.31	1811.02	542.57	0.03
Hempstead Lake	13337.6*	Max WS	552.27	22.97	28.08		28.08	0.000010	0.31	1795.76	555.48	0.03
Hempstead Lake	13321.3*	Max WS	552.27	22.96	28.08		28.08	0.000009	0.29	1926.09	643.81	0.03
Hempstead Lake	13304.9*	Max WS	552.26	22.95	28.08		28.08	0.000008	0.26	2099.07	647.41	0.03
Hempstead Lake	13288.6*	Max WS	552.26	22.95	28.08		28.08	0.000006	0.24	2300.42	633.81	0.02
Hempstead Lake	13272.29	Max WS	552.25	22.94	28.08		28.08	0.000003	0.22	2525.56	629.12	0.02
Hempstead Lake	13255.0*	Max WS	552.25	22.90	28.08		28.08	0.000003	0.21	2589.09	643.19	0.02
Hempstead Lake	13237.8*	Max WS	551.83	22.87	28.08		28.08	0.000003	0.21	2652.79	657.89	0.02
Hempstead Lake	13220.5*	Max WS	552.24	22.83	28.08		28.08	0.000003	0.20	2718.87	673.41	0.02
Hempstead Lake	13203.3*	Max WS	552.23	22.80	28.08		28.08	0.000003	0.20	2785.24	693.10	0.02
Hempstead Lake	13186.0*	Max WS	552.23	22.76	28.08		28.08	0.000003	0.19	2854.16	712.28	0.02
Hempstead Lake	13168.8*	Max WS	552.22	22.72	28.08		28.08	0.000003	0.19	2924.33	731.55	0.02
Hempstead Lake	13151.6*	Max WS	552.22	22.69	28.08		28.08	0.000003	0.18	2996.51	750.68	0.02
Hempstead Lake	13134.3*	Max WS	552.21	22.65	28.08		28.08	0.000003	0.18	3070.57	766.64	0.02
Hempstead Lake	13117.1*	Max WS	552.21	22.62	28.08		28.08	0.000003	0.18	3146.29	782.72	0.02
Hempstead Lake	13099.8*	Max WS	552.20	22.58	28.08		28.08	0.000003	0.17	3223.49	798.93	0.02
Hempstead Lake	13082.6*	Max WS	552.19	22.55	28.08		28.08	0.000003	0.17	3301.52	815.33	0.01
Hempstead Lake	13065.3*	Max WS	552.19	22.51	28.08		28.08	0.000003	0.16	3382.33	831.99	0.01
Hempstead Lake	13048.1*	Max WS	551.85	22.47	28.08		28.08	0.000003	0.16	3464.51	848.77	0.01
Hempstead Lake	13030.9*	Max WS	552.18	22.44	28.08		28.08	0.000003	0.16	3547.82	865.79	0.01
Hempstead Lake	13013.6*	Max WS	552.17	22.40	28.08		28.08	0.000003	0.15	3632.76	883.02	0.01
Hempstead Lake	12996.4*	Max WS	552.17	22.37	28.08		28.08	0.000003	0.15	3720.69	900.48	0.01
Hempstead Lake	12979.1*	Max WS	552.16	22.33	28.08		28.08	0.000003	0.14	3810.52	925.11	0.01
Hempstead Lake	12961.9*	Max WS	552.15	22.29	28.08		28.08	0.000003	0.14	3906.97	947.23	0.01
Hempstead Lake	12944.7*	Max WS	552.14	22.26	28.08		28.08	0.000002	0.14	4003.82	970.18	0.01
Hempstead Lake	12927.4*	Max WS	552.14	22.22	28.08		28.08	0.000002	0.13	4101.82	992.67	0.01
Hempstead Lake	12910.2*	Max WS	552.13	22.19	28.08		28.08	0.000002	0.13	4197.53	1013.95	0.01
Hempstead Lake	12892.97	Max WS	552.12	22.15	28.08		28.08	0.000001	0.13	4290.83	1031.09	0.01
Hempstead Lake	12881.0*	Max WS	643.63	22.12	28.08		28.08	0.000001	0.15	4303.15	1031.13	0.01
Hempstead Lake	12869.1*	Max WS	643.62	22.09	28.08		28.08	0.000001	0.15	4317.08	1031.26	0.01
Hempstead Lake	12857.1*	Max WS	643.62	22.06	28.08		28.08	0.000001	0.15	4331.00	1031.47	0.01
Hempstead Lake	12845.2*	Max WS	643.61	22.03	28.08		28.08	0.000001	0.15	4345.87	1031.33	0.01
Hempstead Lake	12833.3*	Max WS	643.61	22.00	28.08		28.08	0.000001	0.15	4361.41	1031.18	0.01
Hempstead Lake	12821.4*	Max WS	643.60	21.97	28.08		28.08	0.000001	0.15	4379.05	1031.08	0.01
Hempstead Lake	12809.4*	Max WS	643.59	21.94	28.08		28.08	0.000001	0.15	4397.24	1031.21	0.01
Hempstead Lake	12797.5*	Max WS	643.59	21.92	28.08		28.08	0.000001	0.15	4415.38	1030.89	0.01
Hempstead Lake	12785.6*	Max WS	643.27	21.89	28.08		28.08	0.000001	0.14	4436.59	1030.63	0.01
Hempstead Lake	12773.7*	Max WS	643.58	21.86	28.08		28.08	0.000001	0.14	4457.69	1029.70	0.01
Hempstead Lake	12761.7*	Max WS	643.57	21.83	28.08		28.08	0.000001	0.14	4479.02	1028.09	0.01
Hempstead Lake	12749.8*	Max WS	643.57	21.80	28.08		28.08	0.000001	0.14	4501.82	1026.19	0.01
Hempstead Lake	12737.9*	Max WS	643.56	21.77	28.08		28.08	0.000001	0.14	4524.67	1023.83	0.01
Hempstead Lake	12726.0*	Max WS	643.55	21.74	28.08		28.08	0.000001	0.14	4548.13	1021.41	0.01
Hempstead Lake	12714.0*	Max WS	643.28	21.71	28.08		28.08	0.000001	0.14	4571.07	1018.69	0.01
Hempstead Lake	12702.1*	Max WS	643.54	21.68	28.08		28.08	0.000001	0.14	4596.51	1016.25	0.01
Hempstead Lake	12690.2*	Max WS	643.54	21.65	28.08		28.08	0.000001	0.14	4622.48	1013.56	0.01
Hempstead Lake	12678.3*	Max WS	643.28	21.62	28.08		28.08	0.000001	0.14	4647.30	1010.46	0.01
Hempstead Lake	12666.3*	Max WS	643.53	21.59	28.08		28.08	0.000001	0.14	4673.90	1007.45	0.01
Hempstead Lake	12654.4*	Max WS	643.52	21.56	28.08		28.08	0.000001	0.14	4700.35	1004.49	0.01
Hempstead Lake	12642.5*	Max WS	643.52	21.53	28.08		28.08	0.000001	0.14	4728.14	1000.79	0.01
Hempstead Lake	12630.6*	Max WS	643.51	21.50	28.08		28.08	0.000001	0.14	4756.49	997.17	0.01
Hempstead Lake	12618.6*	Max WS	643.51	21.47	28.08		28.08	0.000001	0.13	4785.26	993.33	0.01

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	643.50	21.45	28.08		28.08	0.000001	0.13	4814.81	988.56	0.01
Hempstead Lake	12594.8*	Max WS	643.50	21.42	28.08		28.08	0.000001	0.13	4845.07	983.98	0.01
Hempstead Lake	12582.9*	Max WS	643.49	21.39	28.08		28.08	0.000001	0.13	4876.16	978.77	0.01
Hempstead Lake	12570.9*	Max WS	643.48	21.36	28.08		28.08	0.000001	0.13	4907.59	972.52	0.01
Hempstead Lake	12559.0*	Max WS	643.48	21.33	28.08		28.08	0.000001	0.13	4939.56	963.63	0.01
Hempstead Lake	12547.1*	Max WS	643.29	21.30	28.08		28.08	0.000001	0.13	4973.55	951.74	0.01
Hempstead Lake	12535.2*	Max WS	643.47	21.27	28.08		28.08	0.000001	0.13	5011.84	902.96	0.01
Hempstead Lake	12523.27	Max WS	643.46	21.24	28.08		28.08	0.000001	0.13	5050.28	901.42	0.01
Hempstead Lake	12515.8*	Max WS	661.97	21.24	28.08		28.08	0.000001	0.13	5047.75	950.99	0.01
Hempstead Lake	12508.3*	Max WS	661.97	21.24	28.08		28.08	0.000001	0.13	5055.20	959.67	0.01
Hempstead Lake	12500.9*	Max WS	661.96	21.23	28.08		28.08	0.000001	0.13	5062.76	961.71	0.01
Hempstead Lake	12493.4*	Max WS	661.96	21.23	28.08		28.08	0.000001	0.13	5070.32	958.21	0.01
Hempstead Lake	12486.0*	Max WS	661.79	21.23	28.08		28.08	0.000001	0.13	5078.73	954.02	0.01
Hempstead Lake	12478.5*	Max WS	661.95	21.23	28.08		28.08	0.000001	0.13	5086.50	949.29	0.01
Hempstead Lake	12471.1*	Max WS	661.95	21.23	28.08		28.08	0.000001	0.13	5094.18	944.22	0.01
Hempstead Lake	12463.7*	Max WS	661.95	21.23	28.08		28.08	0.000002	0.13	5101.32	939.01	0.01
Hempstead Lake	12456.2*	Max WS	661.94	21.22	28.08		28.08	0.000002	0.13	5108.11	933.77	0.01
Hempstead Lake	12448.8*	Max WS	661.94	21.22	28.08		28.08	0.000002	0.13	5114.93	928.26	0.01
Hempstead Lake	12441.3*	Max WS	661.94	21.22	28.08		28.08	0.000002	0.13	5119.93	922.74	0.01
Hempstead Lake	12433.9*	Max WS	661.93	21.22	28.08		28.08	0.000002	0.13	5125.46	917.13	0.01
Hempstead Lake	12426.4*	Max WS	661.93	21.22	28.08		28.08	0.000002	0.13	5132.01	911.57	0.01
Hempstead Lake	12419.0*	Max WS	661.93	21.21	28.08		28.08	0.000003	0.13	5136.61	905.86	0.01
Hempstead Lake	12411.5*	Max WS	661.93	21.21	28.08		28.08	0.000003	0.13	5141.45	900.19	0.01
Hempstead Lake	12404.1*	Max WS	661.92	21.21	28.08		28.08	0.000003	0.13	5145.61	894.48	0.01
Hempstead Lake	12396.6*	Max WS	661.79	21.21	28.08		28.08	0.000003	0.13	5149.71	888.77	0.01
Hempstead Lake	12389.2*	Max WS	661.92	21.21	28.08		28.08	0.000003	0.13	5153.87	883.02	0.01
Hempstead Lake	12381.8*	Max WS	661.91	21.21	28.08		28.08	0.000003	0.13	5157.21	877.24	0.01
Hempstead Lake	12374.3*	Max WS	661.91	21.20	28.08		28.08	0.000004	0.13	5159.86	871.47	0.01
Hempstead Lake	12366.9*	Max WS	661.91	21.20	28.08		28.08	0.000004	0.13	5163.08	865.71	0.01
Hempstead Lake	12359.46	Max WS	661.90	21.20	28.08		28.08	0.000001	0.13	5165.24	859.92	0.01
Hempstead Lake	12350.7*	Max WS	674.15	21.19	28.08		28.08	0.000004	0.13	5011.13	848.19	0.01
Hempstead Lake	12342.0*	Max WS	674.26	21.17	28.08		28.08	0.000005	0.14	4860.31	836.51	0.01
Hempstead Lake	12333.3*	Max WS	674.26	21.16	28.08		28.08	0.000005	0.14	4710.18	824.78	0.01
Hempstead Lake	12324.7*	Max WS	674.15	21.14	28.08		28.08	0.000005	0.15	4562.82	813.06	0.01
Hempstead Lake	12316.0*	Max WS	674.25	21.13	28.08		28.08	0.000006	0.15	4418.77	801.32	0.01
Hempstead Lake	12307.3*	Max WS	674.25	21.11	28.08		28.08	0.000006	0.16	4277.05	789.58	0.01
Hempstead Lake	12298.6*	Max WS	674.24	21.10	28.08		28.08	0.000006	0.16	4137.13	777.89	0.01
Hempstead Lake	12289.9*	Max WS	674.24	21.09	28.08		28.08	0.000007	0.17	4000.15	766.15	0.01
Hempstead Lake	12281.2*	Max WS	674.24	21.07	28.08		28.08	0.000007	0.17	3866.24	754.45	0.01
Hempstead Lake	12272.5*	Max WS	674.24	21.06	28.08		28.08	0.000008	0.18	3733.71	742.70	0.01
Hempstead Lake	12263.8*	Max WS	674.15	21.04	28.08		28.08	0.000009	0.19	3603.73	731.01	0.01
Hempstead Lake	12255.1*	Max WS	674.23	21.03	28.08		28.08	0.000009	0.19	3476.48	719.29	0.02
Hempstead Lake	12246.4*	Max WS	674.23	21.01	28.08		28.08	0.000010	0.20	3352.52	707.61	0.02
Hempstead Lake	12237.7*	Max WS	674.15	21.00	28.08		28.08	0.000011	0.21	3230.32	695.92	0.02
Hempstead Lake	12229.1*	Max WS	674.22	20.99	28.08		28.08	0.000012	0.22	3110.55	684.13	0.02
Hempstead Lake	12220.4*	Max WS	674.15	20.97	28.08		28.08	0.000013	0.23	2992.81	671.10	0.02
Hempstead Lake	12211.7*	Max WS	674.15	20.96	28.08		28.08	0.000014	0.23	2878.44	658.19	0.02
Hempstead Lake	12203.0*	Max WS	674.15	20.94	28.08		28.08	0.000015	0.24	2766.49	645.30	0.02
Hempstead Lake	12194.3*	Max WS	674.21	20.93	28.08		28.08	0.000017	0.25	2657.43	632.45	0.02
Hempstead Lake	12185.6*	Max WS	674.20	20.91	28.08		28.08	0.000018	0.26	2551.15	619.68	0.02
Hempstead Lake	12176.9*	Max WS	674.15	20.90	28.08		28.08	0.000020	0.28	2446.88	606.93	0.02
Hempstead Lake	12168.2*	Max WS	674.20	20.89	28.08		28.08	0.000021	0.29	2345.54	594.21	0.03
Hempstead Lake	12159.5*	Max WS	674.15	20.87	28.08		28.08	0.000023	0.30	2246.82	581.54	0.03
Hempstead Lake	12150.8*	Max WS	674.19	20.86	28.07		28.08	0.000026	0.31	2150.38	568.92	0.03
Hempstead Lake	12142.1*	Max WS	674.19	20.84	28.07		28.08	0.000022	0.33	2056.96	556.37	0.03
Hempstead Lake	12133.5*	Max WS	674.19	20.83	28.07		28.08	0.000024	0.34	1965.98	543.75	0.03
Hempstead Lake	12124.8*	Max WS	674.15	20.81	28.07		28.08	0.000026	0.36	1877.75	530.07	0.03
Hempstead Lake	12116.1*	Max WS	674.18	20.80	28.07		28.08	0.000028	0.38	1791.84	515.64	0.04
Hempstead Lake	12107.4*	Max WS	674.15	20.79	28.07		28.08	0.000031	0.39	1708.63	501.58	0.04
Hempstead Lake	12098.7*	Max WS	674.18	20.77	28.07		28.08	0.000034	0.41	1629.14	488.30	0.04
Hempstead Lake	12090.0*	Max WS	674.15	20.76	28.07		28.07	0.000037	0.43	1551.52	475.62	0.04
Hempstead Lake	12081.3*	Max WS	674.17	20.74	28.07		28.07	0.000041	0.46	1476.49	463.43	0.04
Hempstead Lake	12072.6*	Max WS	674.15	20.73	28.07		28.07	0.000045	0.48	1402.95	451.67	0.05
Hempstead Lake	12063.9*	Max WS	674.17	20.71	28.07		28.07	0.000050	0.51	1332.11	440.24	0.05
Hempstead Lake	12055.2*	Max WS	674.15	20.70	28.07		28.07	0.000052	0.53	1263.90	429.15	0.05
Hempstead Lake	12046.5*	Max WS	674.15	20.69	28.07		28.07	0.000059	0.56	1196.36	418.64	0.06
Hempstead Lake	12037.9*	Max WS	674.15	20.67	28.07		28.07	0.000065	0.60	1132.19	408.59	0.06
Hempstead Lake	12029.2*	Max WS	674.16	20.66	28.07		28.07	0.000073	0.63	1068.55	399.04	0.07
Hempstead Lake	12020.5*	Max WS	674.15	20.64	28.06		28.07	0.000081	0.67	1007.16	390.45	0.07
Hempstead Lake	12011.8*	Max WS	674.16	20.63	28.06		28.07	0.000086	0.71	947.89	383.02	0.08
Hempstead Lake	12003.1*	Max WS	674.15	20.61	28.06		28.07	0.000088	0.76	889.73	378.15	0.09
Hempstead Lake	11994.45	Max WS	683.38	20.60	28.05		28.07	0.000170	0.98	696.88	377.35	0.10
Hempstead Lake	11989.45	Max WS	683.38	19.90	27.97		28.09	0.000407	2.78	245.46	324.61	0.23
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	683.37	19.90	27.70		27.92	0.000761	3.73	183.07	160.63	0.29
Hempstead Lake	11964.45	Max WS	683.38	20.15	27.82		27.91	0.000474	2.34	291.62	226.08	0.21
Hempstead Lake	11954.6*	Max WS	683.38	20.12	27.81		27.90	0.000433	2.47	276.73	218.47	0.23
Hempstead Lake	11944.8*	Max WS	683.38	20.08	27.79		27.90	0.000540	2.60	262.45	210.59	0.25
Hempstead Lake	11934.9*	Max WS	683.38	20.05	27.77		27.89	0.000653	2.75	248.61	202.46	0.26
Hempstead Lake	11925.1*	Max WS	683.37	20.01	27.75		27.88	0.000838	2.90	235.52	194.17	0.28
Hempstead Lake	11915.3*	Max WS	683.38	19.98	27.73		27.87	0.001342	3.06	223.33	174.45	0.30

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	683.38	19.94	27.70		27.86	0.001466	3.23	211.70	126.75	0.33
Hempstead Lake	11895.6*	Max WS	683.37	19.91	27.67		27.85	0.001376	3.35	204.00	73.80	0.32
Hempstead Lake	11885.8*	Max WS	683.37	19.87	27.66		27.83	0.001006	3.39	201.81	58.17	0.29
Hempstead Lake	11876.0*	Max WS	683.38	19.84	27.65		27.82	0.000853	3.35	204.24	42.51	0.27
Hempstead Lake	11866.2*	Max WS	683.38	19.80	27.65		27.82	0.000785	3.29	207.89	41.69	0.26
Hempstead Lake	11856.4*	Max WS	683.38	19.77	27.65		27.81	0.000719	3.22	211.91	41.08	0.25
Hempstead Lake	11846.5*	Max WS	683.38	19.73	27.65		27.80	0.000658	3.15	216.71	40.68	0.24
Hempstead Lake	11836.7*	Max WS	683.38	19.70	27.65		27.80	0.000584	3.08	221.70	40.44	0.23
Hempstead Lake	11826.9*	Max WS	683.37	19.66	27.65		27.79	0.000404	3.01	227.24	40.32	0.22
Hempstead Lake	11817.1*	Max WS	683.37	19.63	27.65		27.79	0.000380	2.93	232.96	40.32	0.22
Hempstead Lake	11807.2*	Max WS	683.37	19.59	27.66		27.78	0.000369	2.86	239.18	40.41	0.21
Hempstead Lake	11797.46	Max WS	683.37	19.56	27.66		27.78	0.000346	2.79	245.27	40.56	0.20
Hempstead Lake	11792.46	Max WS	683.37	19.56	27.69		27.78	0.000261	2.42	282.18	49.43	0.18
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	683.37	19.54	27.25		27.36	0.000311	2.66	257.05	41.77	0.19
Hempstead Lake	11627.46	Max WS	683.37	19.54	27.24		27.35	0.000332	2.69	253.89	44.04	0.20
Hempstead Lake	11623.2*	Max WS	683.37	19.43	27.22		27.35	0.000486	2.88	237.43	43.49	0.22
Hempstead Lake	11619.1*	Max WS	683.37	19.31	27.23		27.35	0.000552	2.83	241.75	48.43	0.22
Hempstead Lake	11614.94	Max WS	683.37	19.20	27.26		27.35	0.000293	2.42	282.19	53.82	0.19
Hempstead Lake	11612.94	Max WS	683.37	19.20	27.22		27.35	0.000263	2.88	237.66	55.21	0.19
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	45.14	19.20	25.24		25.24	0.000003	0.26	172.16	44.96	0.02
Hempstead Lake	11598.94	Max WS	45.45	19.20	25.24		25.24	0.000004	0.25	184.60	44.65	0.02
Hempstead Lake	11573.9*	Max WS	46.90	19.18	25.24		25.24	0.000001	0.14	328.10	69.09	0.01
Hempstead Lake	11548.9*	Max WS	47.23	19.15	25.24		25.24	0.000001	0.10	472.00	93.57	0.01
Hempstead Lake	11523.9*	Max WS	48.07	19.12	25.24		25.24	0.000000	0.08	616.53	118.17	0.01
Hempstead Lake	11498.9*	Max WS	48.91	19.10	25.24		25.24	0.000000	0.06	761.53	142.87	0.00
Hempstead Lake	11473.9*	Max WS	48.24	19.08	25.24		25.24	0.000000	0.05	907.05	167.66	0.00
Hempstead Lake	11448.9*	Max WS	48.74	19.05	25.24		25.24	0.000000	0.05	1053.68	192.60	0.00
Hempstead Lake	11423.9*	Max WS	50.11	19.02	25.24		25.24	0.000000	0.04	1200.98	217.70	0.00
Hempstead Lake	11398.9*	Max WS	50.28	19.00	25.24		25.24	0.000000	0.04	1348.90	243.01	0.00
Hempstead Lake	11373.9*	Max WS	50.46	18.98	25.24		25.24	0.000000	0.03	1497.88	268.17	0.00
Hempstead Lake	11349.*	Max WS	50.46	18.95	25.24		25.24	0.000000	0.03	1647.95	292.47	0.00
Hempstead Lake	11324.*	Max WS	49.77	18.92	25.24		25.24	0.000000	0.03	1798.57	321.68	0.00
Hempstead Lake	11299.0*	Max WS	49.94	18.90	25.24		25.24	0.000000	0.03	1957.39	367.90	0.00
Hempstead Lake	11274.0*	Max WS	49.26	18.88	25.24		25.24	0.000000	0.02	2129.16	409.16	0.00
Hempstead Lake	11249.0*	Max WS	50.28	18.85	25.24		25.24	0.000000	0.02	2404.28	811.72	0.00
Hempstead Lake	11224.0*	Max WS	49.25	18.83	25.24		25.24	0.000000	0.02	2895.99	965.03	0.00
Hempstead Lake	11199.0*	Max WS	49.94	18.80	25.24		25.24	0.000000	0.02	3524.23	1198.71	0.00
Hempstead Lake	11174.0*	Max WS	49.60	18.77	25.24		25.24	0.000000	0.01	4231.78	1277.28	0.00
Hempstead Lake	11149.0*	Max WS	50.11	18.75	25.24		25.24	0.000000	0.01	4993.97	1353.69	0.00
Hempstead Lake	11124.0*	Max WS	50.28	18.73	25.24		25.24	0.000000	0.01	5809.45	1428.01	0.00
Hempstead Lake	11099.0*	Max WS	50.62	18.70	25.24		25.24	0.000000	0.01	6674.68	1501.20	0.00
Hempstead Lake	11074.0*	Max WS	50.62	18.67	25.24		25.24	0.000000	0.00	7593.50	1570.50	0.00
Hempstead Lake	11049.07	Max WS	50.27	18.65	25.24		25.24	0.000000	0.01	8558.81	1638.82	0.00
Hempstead Lake	11038.4*	Max WS	49.93	18.61	25.24		25.24	0.000000	0.00	8124.83	1619.52	0.00
Hempstead Lake	11027.7*	Max WS	50.45	18.58	25.24		25.24	0.000000	0.00	7707.74	1600.35	0.00
Hempstead Lake	11017.0*	Max WS	49.26	18.54	25.24		25.24	0.000000	0.00	7303.75	1581.12	0.00
Hempstead Lake	11006.4*	Max WS	50.27	18.50	25.24		25.24	0.000000	0.01	6913.74	1561.86	0.00
Hempstead Lake	10995.7*	Max WS	49.93	18.47	25.24		25.24	0.000000	0.01	6542.41	1542.67	0.00
Hempstead Lake	10985.0*	Max WS	50.44	18.43	25.24		25.24	0.000000	0.01	6185.06	1523.69	0.00
Hempstead Lake	10974.4*	Max WS	50.10	18.39	25.24		25.24	0.000000	0.01	5841.89	1504.56	0.00
Hempstead Lake	10963.7*	Max WS	48.92	18.35	25.24		25.24	0.000000	0.01	5515.84	1485.33	0.00
Hempstead Lake	10953.1*	Max WS	50.10	18.32	25.24		25.24	0.000000	0.01	5204.72	1466.34	0.00
Hempstead Lake	10942.4*	Max WS	49.76	18.28	25.24		25.24	0.000000	0.01	4907.83	1447.31	0.00
Hempstead Lake	10931.7*	Max WS	49.09	18.24	25.24		25.24	0.000000	0.01	4624.92	1427.84	0.00
Hempstead Lake	10921.1*	Max WS	50.43	18.21	25.24		25.24	0.000000	0.01	4358.77	1408.10	0.00
Hempstead Lake	10910.4*	Max WS	50.27	18.17	25.24		25.24	0.000000	0.01	4131.59	1233.76	0.00
Hempstead Lake	10899.7*	Max WS	49.93	18.13	25.24		25.24	0.000000	0.01	3946.64	1202.07	0.00
Hempstead Lake	10889.1*	Max WS	49.93	18.10	25.24		25.24	0.000000	0.01	3788.22	1117.55	0.00
Hempstead Lake	10878.4*	Max WS	49.93	18.06	25.24		25.24	0.000000	0.01	3697.23	917.85	0.00
Hempstead Lake	10867.8*	Max WS	50.09	18.02	25.24		25.24	0.000000	0.01	3680.78	746.26	0.00
Hempstead Lake	10857.1*	Max WS	49.08	17.99	25.24		25.24	0.000000	0.01	3684.95	716.98	0.00
Hempstead Lake	10846.4*	Max WS	49.42	17.95	25.24		25.24	0.000000	0.01	3698.27	713.67	0.00
Hempstead Lake	10835.8*	Max WS	49.42	17.91	25.24		25.24	0.000000	0.01	3712.66	711.39	0.00
Hempstead Lake	10825.1*	Max WS	49.76	17.88	25.24		25.24	0.000000	0.01	3730.08	708.20	0.00
Hempstead Lake	10814.4*	Max WS	50.09	17.84	25.24		25.24	0.000000	0.01	3750.67	703.78	0.00
Hempstead Lake	10803.8*	Max WS	49.42	17.80	25.24		25.24	0.000000	0.01	3773.21	700.30	0.00
Hempstead Lake	10793.1*	Max WS	49.59	17.76	25.24		25.24	0.000000	0.01	3799.00	697.49	0.00
Hempstead Lake	10782.4*	Max WS	49.59	17.73	25.24		25.24	0.000000	0.01	3825.33	695.06	0.00
Hempstead Lake	10771.8*	Max WS	50.09	17.69	25.24		25.24	0.000000	0.01	3855.25	693.40	0.00
Hempstead Lake	10761.1*	Max WS	49.09	17.65	25.24		25.24	0.000000	0.01	3886.82	692.09	0.00
Hempstead Lake	10750.5*	Max WS	49.25	17.62	25.24		25.24	0.000000	0.01	3918.12	691.46	0.00
Hempstead Lake	10739.8*	Max WS	49.59	17.58	25.24		25.24	0.000000	0.01	3952.40	691.93	0.00
Hempstead Lake	10729.1*	Max WS	49.75	17.54	25.24		25.24	0.000000	0.01	3987.46	692.91	0.00
Hempstead Lake	10718.5*	Max WS	50.09	17.51	25.24		25.24	0.000000	0.01	4021.81	693.91	0.00
Hempstead Lake	10707.8*	Max WS	49.42	17.47	25.24		25.24	0.000000	0.01	4060.01	695.38	0.00
Hempstead Lake	10697.1*	Max WS	49.59	17.43	25.24		25.24	0.000000	0.01	4097.08	696.96	0.00
Hempstead Lake	10686.5*	Max WS	49.75	17.40	25.24		25.24	0.000000	0.01	4135.81	698.83	0.00
Hempstead Lake	10675.8*	Max WS	49.75	17.36	25.24		25.24	0.000000	0.01	4174.97	700.73	0.00
Hempstead Lake	10665.2*	Max WS	48.92	17.32	25.24		25.24	0.000000	0.01	4214.89	702.80	0.00

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	49.59	17.29	25.24		25.24	0.000000	0.01	4254.57	705.23	0.00
Hempstead Lake	10643.8*	Max WS	49.59	17.25	25.24		25.24	0.000000	0.01	4296.52	707.62	0.00
Hempstead Lake	10633.2*	Max WS	49.58	17.21	25.24		25.24	0.000000	0.01	4338.57	710.11	0.00
Hempstead Lake	10622.5*	Max WS	49.92	17.17	25.24		25.24	0.000000	0.01	4381.37	712.82	0.00
Hempstead Lake	10611.8*	Max WS	49.08	17.14	25.24		25.24	0.000000	0.01	4423.42	715.63	0.00
Hempstead Lake	10601.2*	Max WS	49.08	17.10	25.24		25.24	0.000000	0.01	4467.86	718.57	0.00
Hempstead Lake	10590.5*	Max WS	49.25	17.06	25.24		25.24	0.000000	0.01	4512.00	721.57	0.00
Hempstead Lake	10579.8*	Max WS	49.42	17.03	25.24		25.24	0.000000	0.01	4556.23	724.60	0.00
Hempstead Lake	10569.23	Max WS	49.58	16.99	25.24		25.24	0.000000	0.01	4601.41	727.80	0.00
Hempstead Lake	10549.1*	Max WS	49.75	16.96	25.24		25.24	0.000000	0.01	4600.81	729.27	0.00
Hempstead Lake	10529.0*	Max WS	49.91	16.94	25.24		25.24	0.000000	0.01	4602.30	730.97	0.00
Hempstead Lake	10508.9*	Max WS	49.74	16.91	25.24		25.24	0.000000	0.01	4604.94	732.65	0.00
Hempstead Lake	10488.7*	Max WS	49.08	16.89	25.24		25.24	0.000000	0.01	4607.93	734.66	0.00
Hempstead Lake	10468.6*	Max WS	49.25	16.86	25.24		25.24	0.000000	0.01	4614.27	736.95	0.00
Hempstead Lake	10448.5*	Max WS	49.41	16.83	25.24		25.24	0.000000	0.01	4622.49	739.48	0.00
Hempstead Lake	10428.4*	Max WS	49.57	16.81	25.24		25.24	0.000000	0.01	4631.75	742.18	0.00
Hempstead Lake	10408.3*	Max WS	49.74	16.78	25.24		25.24	0.000000	0.01	4644.73	745.20	0.00
Hempstead Lake	10388.2*	Max WS	49.74	16.76	25.24		25.24	0.000000	0.01	4657.13	748.46	0.00
Hempstead Lake	10368.1*	Max WS	49.57	16.73	25.24		25.24	0.000000	0.01	4674.48	752.06	0.00
Hempstead Lake	10348.0*	Max WS	49.08	16.71	25.24		25.24	0.000000	0.01	4691.64	755.81	0.00
Hempstead Lake	10327.9*	Max WS	49.74	16.68	25.24		25.24	0.000000	0.01	4712.31	760.20	0.00
Hempstead Lake	10307.8*	Max WS	49.08	16.65	25.24		25.24	0.000000	0.01	4736.15	764.88	0.00
Hempstead Lake	10287.7*	Max WS	49.24	16.63	25.24		25.24	0.000000	0.01	4761.58	770.06	0.00
Hempstead Lake	10267.6*	Max WS	49.57	16.60	25.24		25.24	0.000000	0.01	4791.03	776.69	0.00
Hempstead Lake	10247.4*	Max WS	49.41	16.58	25.24		25.24	0.000000	0.01	4822.36	783.95	0.00
Hempstead Lake	10227.3*	Max WS	49.57	16.55	25.24		25.24	0.000000	0.01	4857.93	791.91	0.00
Hempstead Lake	10207.2*	Max WS	49.41	16.52	25.24		25.24	0.000000	0.01	4898.60	800.73	0.00
Hempstead Lake	10187.1*	Max WS	49.57	16.50	25.24		25.24	0.000000	0.01	4941.56	810.38	0.00
Hempstead Lake	10167.0*	Max WS	49.73	16.47	25.24		25.24	0.000000	0.01	4991.12	818.90	0.00
Hempstead Lake	10146.9*	Max WS	49.73	16.45	25.24		25.24	0.000000	0.01	5041.36	819.94	0.00
Hempstead Lake	10126.8*	Max WS	49.73	16.42	25.24		25.24	0.000000	0.01	5096.02	820.90	0.00
Hempstead Lake	10106.7*	Max WS	49.57	16.40	25.24		25.24	0.000000	0.01	5148.76	821.76	0.00
Hempstead Lake	10086.6*	Max WS	49.56	16.37	25.24		25.24	0.000000	0.01	5205.15	822.52	0.00
Hempstead Lake	10066.5*	Max WS	49.56	16.34	25.24		25.24	0.000000	0.01	5262.51	823.38	0.00
Hempstead Lake	10046.4*	Max WS	49.72	16.32	25.24		25.24	0.000000	0.01	5320.95	824.09	0.00
Hempstead Lake	10026.2*	Max WS	49.72	16.29	25.24		25.24	0.000000	0.01	5381.70	824.78	0.00
Hempstead Lake	10006.1*	Max WS	49.56	16.27	25.24		25.24	0.000000	0.01	5442.53	825.42	0.00
Hempstead Lake	9986.073	Max WS	49.72	16.24	25.24		25.24	0.000000	0.01	5505.27	826.16	0.00
Hempstead Lake	9965.77*	Max WS	49.40	16.21	25.24		25.24	0.000000	0.01	5520.62	824.87	0.00
Hempstead Lake	9945.47*	Max WS	49.25	16.19	25.24		25.24	0.000000	0.01	5534.17	823.68	0.00
Hempstead Lake	9925.18*	Max WS	49.88	16.16	25.24		25.24	0.000000	0.01	5549.49	822.54	0.00
Hempstead Lake	9904.88*	Max WS	49.88	16.13	25.24		25.24	0.000000	0.01	5564.98	821.70	0.00
Hempstead Lake	9884.59*	Max WS	49.72	16.11	25.24		25.24	0.000000	0.01	5579.33	820.93	0.00
Hempstead Lake	9864.29*	Max WS	49.87	16.08	25.24		25.24	0.000000	0.01	5595.46	820.48	0.00
Hempstead Lake	9843.99*	Max WS	50.03	16.05	25.24		25.24	0.000000	0.01	5612.30	820.00	0.00
Hempstead Lake	9823.7*	Max WS	49.56	16.03	25.24		25.24	0.000000	0.01	5628.24	819.99	0.00
Hempstead Lake	9803.40*	Max WS	49.56	16.00	25.24		25.24	0.000000	0.01	5644.94	820.00	0.00
Hempstead Lake	9783.10*	Max WS	49.71	15.97	25.24		25.24	0.000000	0.01	5662.88	820.26	0.00
Hempstead Lake	9762.81*	Max WS	49.40	15.95	25.24		25.24	0.000000	0.01	5679.94	820.37	0.00
Hempstead Lake	9742.51*	Max WS	50.03	15.92	25.24		25.24	0.000000	0.01	5699.00	818.62	0.00
Hempstead Lake	9722.21*	Max WS	49.87	15.89	25.24		25.24	0.000000	0.01	5717.69	816.83	0.00
Hempstead Lake	9701.92*	Max WS	49.87	15.87	25.24		25.24	0.000000	0.01	5735.59	814.83	0.00
Hempstead Lake	9681.62*	Max WS	49.86	15.84	25.24		25.24	0.000000	0.01	5753.38	812.62	0.00
Hempstead Lake	9661.32*	Max WS	49.71	15.81	25.24		25.24	0.000000	0.01	5773.43	810.37	0.00
Hempstead Lake	9641.03*	Max WS	49.55	15.79	25.24		25.24	0.000000	0.01	5790.75	807.95	0.00
Hempstead Lake	9620.73*	Max WS	49.40	15.76	25.24		25.24	0.000000	0.01	5809.38	805.43	0.00
Hempstead Lake	9600.43*	Max WS	49.55	15.73	25.24		25.24	0.000000	0.01	5826.64	802.69	0.00
Hempstead Lake	9580.14*	Max WS	50.02	15.71	25.24		25.24	0.000000	0.01	5843.72	799.91	0.00
Hempstead Lake	9559.84*	Max WS	49.86	15.68	25.24		25.24	0.000000	0.01	5861.54	796.99	0.00
Hempstead Lake	9539.54*	Max WS	49.86	15.66	25.24		25.24	0.000000	0.01	5878.03	793.92	0.00
Hempstead Lake	9519.25*	Max WS	50.01	15.63	25.24		25.24	0.000000	0.01	5893.13	790.86	0.00
Hempstead Lake	9498.95*	Max WS	49.70	15.60	25.24		25.24	0.000000	0.01	5910.71	787.57	0.00
Hempstead Lake	9478.65*	Max WS	49.70	15.58	25.24		25.24	0.000000	0.01	5925.97	784.17	0.00
Hempstead Lake	9458.36*	Max WS	50.01	15.55	25.24		25.24	0.000000	0.01	5941.34	780.81	0.00
Hempstead Lake	9438.06*	Max WS	50.16	15.52	25.24		25.24	0.000000	0.01	5954.92	777.22	0.00
Hempstead Lake	9417.76*	Max WS	49.85	15.50	25.24		25.24	0.000000	0.01	5968.95	773.57	0.00
Hempstead Lake	9397.47*	Max WS	49.70	15.47	25.24		25.24	0.000000	0.01	5981.68	769.91	0.00
Hempstead Lake	9377.17*	Max WS	49.70	15.44	25.24		25.24	0.000000	0.01	5995.88	766.09	0.00
Hempstead Lake	9356.87*	Max WS	50.15	15.42	25.24		25.24	0.000000	0.01	6005.46	762.21	0.00
Hempstead Lake	9336.58*	Max WS	50.00	15.39	25.24		25.24	0.000000	0.01	6017.70	758.26	0.00
Hempstead Lake	9316.28*	Max WS	49.85	15.36	25.24		25.24	0.000000	0.01	6029.16	754.18	0.00
Hempstead Lake	9295.98*	Max WS	49.85	15.34	25.24		25.24	0.000000	0.01	6037.95	750.07	0.00
Hempstead Lake	9275.69*	Max WS	49.70	15.31	25.24		25.24	0.000000	0.01	6047.41	745.92	0.00
Hempstead Lake	9255.39*	Max WS	50.15	15.28	25.24		25.24	0.000000	0.01	6055.79	741.61	0.00
Hempstead Lake	9235.09*	Max WS	50.00	15.26	25.24		25.24	0.000000	0.01	6061.99	737.30	0.00
Hempstead Lake	9214.80*	Max WS	50.00	15.23	25.24		25.24	0.000000	0.01	6070.16	732.94	0.00
Hempstead Lake	9194.50*	Max WS	49.70	15.20	25.24		25.24	0.000000	0.01	6075.55	728.44	0.00
Hempstead Lake	9174.20*	Max WS	49.55	15.18	25.24		25.24	0.000000	0.01	6079.41	723.94	0.00
Hempstead Lake	9153.910	Max WS	49.99	15.15	25.24		25.24	0.000000	0.01	6084.45	719.51	0.00
Hempstead Lake	9133.22*	Max WS	51.84	15.12	25.24		25.24	0.000000	0.01	6090.37	722.34	0.00
Hempstead Lake	9112.54*	Max WS	51.99	15.10	25.24		25.24	0.000000	0.01	6093.10	725.25	0.00

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	51.70	15.07	25.24		25.24	0.000000	0.01	6098.59	728.08	0.00
Hempstead Lake	9071.17*	Max WS	51.56	15.05	25.24		25.24	0.000000	0.01	6101.58	730.88	0.00
Hempstead Lake	9050.49*	Max WS	51.84	15.02	25.24		25.24	0.000000	0.01	6105.07	733.51	0.00
Hempstead Lake	9029.80*	Max WS	51.98	15.00	25.24		25.24	0.000000	0.01	6107.08	736.12	0.00
Hempstead Lake	9009.12*	Max WS	51.84	14.97	25.24		25.24	0.000000	0.01	6109.66	738.62	0.00
Hempstead Lake	8988.44*	Max WS	51.84	14.95	25.24		25.24	0.000000	0.01	6111.49	741.10	0.00
Hempstead Lake	8967.75*	Max WS	51.98	14.92	25.24		25.24	0.000000	0.01	6113.07	743.39	0.00
Hempstead Lake	8947.07*	Max WS	52.12	14.90	25.24		25.24	0.000000	0.01	6113.73	745.65	0.00
Hempstead Lake	8926.39*	Max WS	51.98	14.87	25.24		25.24	0.000000	0.01	6114.88	747.77	0.00
Hempstead Lake	8905.70*	Max WS	52.12	14.85	25.24		25.24	0.000000	0.01	6115.79	749.90	0.00
Hempstead Lake	8885.02*	Max WS	52.12	14.82	25.24		25.24	0.000000	0.01	6116.01	751.85	0.00
Hempstead Lake	8864.33*	Max WS	51.97	14.80	25.24		25.24	0.000000	0.01	6115.17	753.68	0.00
Hempstead Lake	8843.65*	Max WS	51.97	14.77	25.24		25.24	0.000000	0.01	6115.71	755.51	0.00
Hempstead Lake	8822.97*	Max WS	51.83	14.75	25.24		25.24	0.000000	0.01	6114.35	757.12	0.00
Hempstead Lake	8802.28*	Max WS	52.11	14.72	25.24		25.24	0.000000	0.01	6113.79	758.67	0.00
Hempstead Lake	8781.60*	Max WS	51.97	14.70	25.24		25.24	0.000000	0.01	6112.49	760.14	0.00
Hempstead Lake	8760.92*	Max WS	51.97	14.67	25.24		25.24	0.000000	0.01	6111.23	761.45	0.00
Hempstead Lake	8740.23*	Max WS	51.97	14.65	25.24		25.24	0.000000	0.01	6110.84	762.44	0.00
Hempstead Lake	8719.55*	Max WS	51.84	14.62	25.24		25.24	0.000000	0.01	6108.49	762.87	0.00
Hempstead Lake	8698.86*	Max WS	51.97	14.60	25.24		25.24	0.000000	0.01	6109.37	763.34	0.00
Hempstead Lake	8678.18*	Max WS	51.83	14.57	25.24		25.24	0.000000	0.01	6108.40	761.49	0.00
Hempstead Lake	8657.50*	Max WS	52.10	14.55	25.24		25.24	0.000000	0.01	6107.01	758.65	0.00
Hempstead Lake	8636.81*	Max WS	52.10	14.52	25.24		25.24	0.000000	0.01	6108.17	754.60	0.00
Hempstead Lake	8616.13*	Max WS	51.83	14.50	25.24		25.24	0.000000	0.01	6108.95	749.48	0.00
Hempstead Lake	8595.45*	Max WS	52.23	14.47	25.24		25.24	0.000000	0.01	6113.43	748.29	0.00
Hempstead Lake	8574.76*	Max WS	52.10	14.45	25.24		25.24	0.000000	0.01	6115.38	746.80	0.00
Hempstead Lake	8554.08*	Max WS	52.09	14.42	25.24		25.24	0.000000	0.01	6120.06	745.28	0.00
Hempstead Lake	8533.39*	Max WS	51.83	14.40	25.24		25.24	0.000000	0.01	6124.45	743.21	0.00
Hempstead Lake	8512.71*	Max WS	52.23	14.37	25.24		25.24	0.000000	0.01	6130.24	740.41	0.00
Hempstead Lake	8492.03*	Max WS	52.09	14.35	25.24		25.24	0.000000	0.01	6137.75	738.05	0.00
Hempstead Lake	8471.34*	Max WS	51.96	14.32	25.24		25.24	0.000000	0.01	6146.25	735.70	0.00
Hempstead Lake	8450.66*	Max WS	52.22	14.30	25.24		25.24	0.000000	0.01	6155.08	733.65	0.00
Hempstead Lake	8429.980	Max WS	52.09	14.27	25.24		25.24	0.000000	0.01	6163.92	731.66	0.00
Hempstead Lake	8416.34*	Max WS	52.35	14.25	25.24		25.24	0.000000	0.01	6205.65	736.82	0.00
Hempstead Lake	8402.71*	Max WS	52.09	14.23	25.24		25.24	0.000000	0.01	6248.88	742.00	0.00
Hempstead Lake	8389.07*	Max WS	52.22	14.21	25.24		25.24	0.000000	0.01	6293.13	747.21	0.00
Hempstead Lake	8375.44*	Max WS	52.21	14.19	25.24		25.24	0.000000	0.01	6339.78	752.57	0.00
Hempstead Lake	8361.81*	Max WS	51.96	14.16	25.24		25.24	0.000000	0.01	6384.98	757.72	0.00
Hempstead Lake	8348.17*	Max WS	51.96	14.14	25.24		25.24	0.000000	0.01	6431.71	762.97	0.00
Hempstead Lake	8334.54*	Max WS	52.08	14.12	25.24		25.24	0.000000	0.01	6478.54	768.19	0.00
Hempstead Lake	8320.91*	Max WS	52.08	14.10	25.24		25.24	0.000000	0.01	6526.40	773.46	0.00
Hempstead Lake	8307.27*	Max WS	52.21	14.08	25.24		25.24	0.000000	0.01	6574.46	778.63	0.00
Hempstead Lake	8293.64*	Max WS	52.08	14.06	25.24		25.24	0.000000	0.01	6626.06	784.07	0.00
Hempstead Lake	8280.00*	Max WS	52.08	14.04	25.24		25.24	0.000000	0.01	6675.90	789.34	0.00
Hempstead Lake	8266.37*	Max WS	52.21	14.02	25.24		25.24	0.000000	0.01	6725.23	794.54	0.00
Hempstead Lake	8252.74*	Max WS	52.08	13.99	25.24		25.24	0.000000	0.01	6777.63	799.87	0.00
Hempstead Lake	8239.10*	Max WS	52.20	13.97	25.24		25.24	0.000000	0.01	6828.98	805.20	0.00
Hempstead Lake	8225.47*	Max WS	51.96	13.95	25.24		25.24	0.000000	0.01	6883.64	810.45	0.00
Hempstead Lake	8211.84*	Max WS	52.08	13.93	25.24		25.24	0.000000	0.01	6936.68	815.83	0.00
Hempstead Lake	8198.20*	Max WS	52.20	13.91	25.24		25.24	0.000000	0.01	6993.14	821.40	0.00
Hempstead Lake	8184.57*	Max WS	52.07	13.89	25.24		25.24	0.000000	0.01	7047.70	826.70	0.00
Hempstead Lake	8170.93*	Max WS	52.20	13.87	25.24		25.24	0.000000	0.01	7104.66	832.14	0.00
Hempstead Lake	8157.30*	Max WS	52.32	13.85	25.24		25.24	0.000000	0.01	7160.77	839.23	0.00
Hempstead Lake	8143.67*	Max WS	52.07	13.82	25.24		25.24	0.000000	0.01	7220.81	846.66	0.00
Hempstead Lake	8130.03*	Max WS	52.19	13.80	25.24		25.24	0.000000	0.01	7279.05	853.57	0.00
Hempstead Lake	8116.40*	Max WS	52.31	13.78	25.24		25.24	0.000000	0.01	7340.74	860.73	0.00
Hempstead Lake	8102.76*	Max WS	52.07	13.76	25.24		25.24	0.000000	0.01	7400.64	867.53	0.00
Hempstead Lake	8089.13*	Max WS	52.19	13.74	25.24		25.24	0.000000	0.01	7461.28	873.94	0.00
Hempstead Lake	8075.50*	Max WS	51.95	13.72	25.24		25.24	0.000000	0.01	7524.55	880.50	0.00
Hempstead Lake	8061.86*	Max WS	52.07	13.70	25.24		25.24	0.000000	0.01	7587.41	886.98	0.00
Hempstead Lake	8048.23*	Max WS	52.19	13.68	25.24		25.24	0.000000	0.01	7652.01	893.10	0.00
Hempstead Lake	8034.6*	Max WS	52.07	13.65	25.24		25.24	0.000000	0.01	7717.39	899.45	0.00
Hempstead Lake	8020.96*	Max WS	52.18	13.63	25.24		25.24	0.000000	0.01	7785.62	905.92	0.00
Hempstead Lake	8007.33*	Max WS	52.18	13.61	25.24		25.24	0.000000	0.01	7851.66	911.86	0.00
Hempstead Lake	7993.69*	Max WS	52.30	13.59	25.24		25.24	0.000000	0.01	7920.07	917.51	0.00
Hempstead Lake	7980.06*	Max WS	52.07	13.57	25.24		25.24	0.000000	0.01	7987.57	923.28	0.00
Hempstead Lake	7966.43*	Max WS	52.18	13.55	25.24		25.24	0.000000	0.01	8057.75	929.01	0.00
Hempstead Lake	7952.79*	Max WS	52.29	13.53	25.24		25.24	0.000000	0.01	8128.22	934.93	0.00
Hempstead Lake	7939.16*	Max WS	52.06	13.51	25.24		25.24	0.000000	0.01	8199.12	940.85	0.00
Hempstead Lake	7925.53*	Max WS	52.18	13.48	25.24		25.24	0.000000	0.01	8272.36	946.95	0.00
Hempstead Lake	7911.89*	Max WS	51.96	13.46	25.24		25.24	0.000000	0.01	8345.21	953.16	0.00
Hempstead Lake	7898.26*	Max WS	52.17	13.44	25.24		25.24	0.000000	0.01	8420.37	959.37	0.00
Hempstead Lake	7884.62*	Max WS	52.06	13.42	25.24		25.24	0.000000	0.01	8494.38	965.81	0.00
Hempstead Lake	7870.99*	Max WS	52.17	13.40	25.24		25.24	0.000000	0.01	8570.81	972.36	0.00
Hempstead Lake	7857.36*	Max WS	52.28	13.38	25.24		25.24	0.000000	0.01	8646.71	979.00	0.00
Hempstead Lake	7843.72*	Max WS	52.06	13.36	25.24		25.24	0.000000	0.01	8727.32	985.85	0.00
Hempstead Lake	7830.09*	Max WS	52.17	13.34	25.24		25.24	0.000000	0.01	8805.90	992.51	0.00
Hempstead Lake	7816.45*	Max WS	52.27	13.31	25.24		25.24	0.000000	0.01	8887.35	999.34	0.00
Hempstead Lake	7802.82*	Max WS	52.16	13.29	25.24		25.24	0.000000	0.01	8968.22	1006.16	0.00
Hempstead Lake	7789.19*	Max WS	52.06	13.27	25.24		25.24	0.000000	0.01	9051.48	1013.13	0.00
Hempstead Lake	7775.55*	Max WS	52.16	13.25	25.24		25.24	0.000000	0.01	9134.72	1018.29	0.00

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	52.26	13.23	25.24		25.24	0.000000	0.01	9220.14	1022.74	0.00
Hempstead Lake	7748.29*	Max WS	52.16	13.21	25.24		25.24	0.000000	0.01	9306.56	1026.19	0.00
Hempstead Lake	7734.65*	Max WS	52.26	13.19	25.24		25.24	0.000000	0.01	9391.00	1029.54	0.00
Hempstead Lake	7721.02*	Max WS	52.16	13.17	25.24		25.24	0.000000	0.01	9478.47	1032.87	0.00
Hempstead Lake	7707.38*	Max WS	52.16	13.14	25.24		25.24	0.000000	0.01	9564.88	1036.09	0.00
Hempstead Lake	7693.75*	Max WS	52.15	13.12	25.24		25.24	0.000000	0.01	9652.04	1039.32	0.00
Hempstead Lake	7680.12*	Max WS	52.06	13.10	25.24		25.24	0.000000	0.01	9740.11	1042.56	0.00
Hempstead Lake	7666.48*	Max WS	52.15	13.08	25.24		25.24	0.000000	0.01	9830.40	1045.77	0.00
Hempstead Lake	7652.85*	Max WS	52.15	13.06	25.24		25.24	0.000000	0.01	9917.07	1048.96	0.00
Hempstead Lake	7639.22*	Max WS	52.25	13.04	25.24		25.24	0.000000	0.01	10007.31	1052.00	0.00
Hempstead Lake	7625.58*	Max WS	52.06	13.02	25.24		25.24	0.000000	0.01	10096.15	1055.08	0.00
Hempstead Lake	7611.95*	Max WS	52.06	13.00	25.24		25.24	0.000000	0.01	10185.02	1058.17	0.00
Hempstead Lake	7598.31*	Max WS	52.24	12.97	25.24		25.24	0.000000	0.01	10276.30	1061.23	0.00
Hempstead Lake	7584.68*	Max WS	52.24	12.95	25.24		25.24	0.000000	0.01	10367.64	1064.30	0.00
Hempstead Lake	7571.05*	Max WS	52.24	12.93	25.24		25.24	0.000000	0.00	10460.19	1067.24	0.00
Hempstead Lake	7557.41*	Max WS	52.05	12.91	25.24		25.24	0.000000	0.00	10551.16	1070.29	0.00
Hempstead Lake	7543.783	Max WS	52.05	12.89	25.24		25.24	0.000000	0.00	10642.86	1073.33	0.00
Hempstead Lake	7530.03*	Max WS	54.14	12.85	25.24		25.24	0.000000	0.01	10679.25	1075.43	0.00
Hempstead Lake	7516.28*	Max WS	54.14	12.82	25.24		25.24	0.000000	0.01	10716.07	1077.59	0.00
Hempstead Lake	7502.53*	Max WS	54.14	12.78	25.24		25.24	0.000000	0.01	10753.15	1079.83	0.00
Hempstead Lake	7488.79*	Max WS	54.23	12.74	25.24		25.24	0.000000	0.01	10792.56	1082.06	0.00
Hempstead Lake	7475.04*	Max WS	54.14	12.71	25.24		25.24	0.000000	0.00	10829.76	1084.45	0.00
Hempstead Lake	7461.29*	Max WS	54.22	12.67	25.24		25.24	0.000000	0.00	10869.11	1086.79	0.00
Hempstead Lake	7447.54*	Max WS	54.14	12.63	25.24		25.24	0.000000	0.00	10911.46	1089.31	0.00
Hempstead Lake	7433.79*	Max WS	54.13	12.60	25.24		25.24	0.000000	0.00	10951.63	1091.90	0.00
Hempstead Lake	7420.04*	Max WS	54.05	12.56	25.24		25.24	0.000000	0.00	10992.65	1094.49	0.00
Hempstead Lake	7406.3*	Max WS	54.21	12.52	25.24		25.24	0.000000	0.00	11036.13	1097.35	0.00
Hempstead Lake	7392.55*	Max WS	54.05	12.49	25.24		25.24	0.000000	0.00	11079.41	1099.25	0.00
Hempstead Lake	7378.80*	Max WS	54.13	12.45	25.24		25.24	0.000000	0.00	11121.72	1100.62	0.00
Hempstead Lake	7365.05*	Max WS	54.12	12.41	25.24		25.24	0.000000	0.00	11166.40	1101.86	0.00
Hempstead Lake	7351.30*	Max WS	54.12	12.38	25.24		25.24	0.000000	0.00	11211.73	1102.98	0.00
Hempstead Lake	7337.55*	Max WS	54.05	12.34	25.24		25.24	0.000000	0.00	11256.21	1104.02	0.00
Hempstead Lake	7323.81*	Max WS	54.05	12.30	25.24		25.24	0.000000	0.00	11302.41	1105.03	0.00
Hempstead Lake	7310.06*	Max WS	54.12	12.26	25.24		25.24	0.000000	0.00	11347.88	1105.49	0.00
Hempstead Lake	7296.31*	Max WS	54.20	12.23	25.24		25.24	0.000000	0.00	11395.48	1106.45	0.00
Hempstead Lake	7282.56*	Max WS	54.20	12.19	25.24		25.24	0.000000	0.00	11442.87	1107.31	0.00
Hempstead Lake	7268.81*	Max WS	54.19	12.15	25.24		25.24	0.000000	0.00	11490.27	1107.66	0.00
Hempstead Lake	7255.06*	Max WS	54.19	12.12	25.24		25.24	0.000000	0.00	11538.92	1108.13	0.00
Hempstead Lake	7241.32*	Max WS	54.18	12.08	25.24		25.24	0.000000	0.00	11586.69	1108.74	0.00
Hempstead Lake	7227.57*	Max WS	54.18	12.04	25.24		25.24	0.000000	0.00	11638.47	1109.40	0.00
Hempstead Lake	7213.82*	Max WS	53.98	12.01	25.24		25.24	0.000000	0.00	11688.84	1110.14	0.00
Hempstead Lake	7200.07*	Max WS	54.04	11.97	25.24		25.24	0.000000	0.00	11738.36	1111.05	0.00
Hempstead Lake	7186.32*	Max WS	54.11	11.93	25.24		25.24	0.000000	0.00	11791.63	1111.91	0.00
Hempstead Lake	7172.57*	Max WS	54.11	11.90	25.24		25.24	0.000000	0.00	11843.88	1112.83	0.00
Hempstead Lake	7158.83*	Max WS	54.11	11.86	25.24		25.24	0.000000	0.00	11894.96	1113.90	0.00
Hempstead Lake	7145.08*	Max WS	54.18	11.82	25.24		25.24	0.000000	0.00	11949.17	1114.90	0.00
Hempstead Lake	7131.33*	Max WS	54.17	11.79	25.24		25.24	0.000000	0.00	12002.06	1115.98	0.00
Hempstead Lake	7117.58*	Max WS	54.17	11.75	25.24		25.24	0.000000	0.00	12057.97	1117.16	0.00
Hempstead Lake	7103.83*	Max WS	54.11	11.71	25.24		25.24	0.000000	0.00	12111.85	1118.27	0.00
Hempstead Lake	7090.08*	Max WS	54.04	11.68	25.24		25.24	0.000000	0.00	12165.08	1119.41	0.00
Hempstead Lake	7076.34*	Max WS	54.11	11.64	25.24		25.24	0.000000	0.00	12222.53	1120.67	0.00
Hempstead Lake	7062.59*	Max WS	54.10	11.60	25.24		25.24	0.000000	0.00	12276.61	1121.86	0.00
Hempstead Lake	7048.84*	Max WS	54.10	11.57	25.24		25.24	0.000000	0.00	12332.52	1123.08	0.00
Hempstead Lake	7035.09*	Max WS	54.16	11.53	25.24		25.24	0.000000	0.00	12389.89	1124.39	0.00
Hempstead Lake	7021.34*	Max WS	54.10	11.49	25.24		25.24	0.000000	0.00	12445.46	1125.62	0.00
Hempstead Lake	7007.6*	Max WS	54.16	11.46	25.24		25.24	0.000000	0.00	12503.49	1126.94	0.00
Hempstead Lake	6993.85*	Max WS	54.10	11.42	25.24		25.24	0.000000	0.00	12559.47	1128.30	0.00
Hempstead Lake	6980.10*	Max WS	54.04	11.38	25.24		25.24	0.000000	0.00	12618.88	1127.14	0.00
Hempstead Lake	6966.35*	Max WS	54.09	11.35	25.24		25.24	0.000000	0.00	12678.17	1123.86	0.00
Hempstead Lake	6952.60*	Max WS	54.05	11.31	25.24		25.24	0.000000	0.00	12736.79	1120.35	0.00
Hempstead Lake	6938.85*	Max WS	54.15	11.27	25.24		25.24	0.000000	0.00	12797.38	1116.92	0.00
Hempstead Lake	6925.11*	Max WS	54.14	11.23	25.24		25.24	0.000000	0.00	12858.22	1113.49	0.00
Hempstead Lake	6911.36*	Max WS	54.09	11.20	25.24		25.24	0.000000	0.00	12920.91	1110.05	0.00
Hempstead Lake	6897.61*	Max WS	54.09	11.16	25.24		25.24	0.000000	0.00	12983.48	1109.13	0.00
Hempstead Lake	6883.86*	Max WS	54.14	11.12	25.24		25.24	0.000000	0.00	13046.56	1110.50	0.00
Hempstead Lake	6870.11*	Max WS	54.09	11.09	25.24		25.24	0.000000	0.00	13109.07	1111.91	0.00
Hempstead Lake	6856.36*	Max WS	54.14	11.05	25.24		25.24	0.000000	0.00	13173.19	1113.21	0.00
Hempstead Lake	6842.62*	Max WS	54.13	11.01	25.24		25.24	0.000000	0.00	13236.94	1114.57	0.00
Hempstead Lake	6828.87*	Max WS	54.18	10.98	25.24		25.24	0.000000	0.00	13300.39	1115.93	0.00
Hempstead Lake	6815.12*	Max WS	54.17	10.94	25.24		25.24	0.000000	0.00	13365.31	1117.37	0.00
Hempstead Lake	6801.37*	Max WS	54.04	10.90	25.24		25.24	0.000000	0.00	13430.48	1117.89	0.00
Hempstead Lake	6787.62*	Max WS	54.08	10.87	25.24		25.24	0.000000	0.00	13495.38	1118.43	0.00
Hempstead Lake	6773.87*	Max WS	54.08	10.83	25.24		25.24	0.000000	0.00	13559.91	1118.97	0.00
Hempstead Lake	6760.13*	Max WS	54.08	10.79	25.24		25.24	0.000000	0.00	13625.63	1119.52	0.00
Hempstead Lake	6746.38*	Max WS	54.12	10.76	25.24		25.24	0.000000	0.00	13689.33	1120.01	0.00
Hempstead Lake	6732.634	Max WS	54.08	10.72	25.24		25.24	0.000000	0.00	13755.22	1120.55	0.00
Hempstead Lake	6718.98*	Max WS	54.12	10.73	25.24		25.24	0.000000	0.00	13592.19	1118.62	0.00
Hempstead Lake	6705.33*	Max WS	54.11	10.74	25.24		25.24	0.000000	0.00	13429.95	1116.62	0.00
Hempstead Lake	6691.68*	Max WS	54.11	10.75	25.24		25.24	0.000000	0.00	13268.18	1114.56	0.00
Hempstead Lake	6678.03*	Max WS	54.11	10.76	25.24		25.24	0.000000	0.00	13108.46	1111.38	0.00
Hempstead Lake	6664.38*	Max WS	54.11	10.77	25.24		25.24	0.000000	0.00	12949.05	1108.39	0.00

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	54.08	10.78	25.24		25.24	0.000000	0.00	12790.88	1105.63	0.00
Hempstead Lake	6637.07*	Max WS	54.11	10.79	25.24		25.24	0.000000	0.00	12634.91	1103.04	0.00
Hempstead Lake	6623.42*	Max WS	54.10	10.80	25.24		25.24	0.000000	0.00	12478.29	1100.55	0.00
Hempstead Lake	6609.77*	Max WS	54.10	10.81	25.24		25.24	0.000000	0.00	12323.75	1098.19	0.00
Hempstead Lake	6596.12*	Max WS	54.13	10.82	25.24		25.24	0.000000	0.00	12168.75	1096.04	0.00
Hempstead Lake	6582.47*	Max WS	54.10	10.83	25.24		25.24	0.000000	0.00	12015.44	1093.97	0.00
Hempstead Lake	6568.82*	Max WS	54.13	10.84	25.24		25.24	0.000000	0.00	11864.14	1092.00	0.00
Hempstead Lake	6555.17*	Max WS	54.12	10.85	25.24		25.24	0.000000	0.00	11711.27	1090.03	0.00
Hempstead Lake	6541.52*	Max WS	54.07	10.86	25.24		25.24	0.000000	0.00	11561.92	1088.15	0.00
Hempstead Lake	6527.87*	Max WS	54.07	10.87	25.24		25.24	0.000000	0.00	11411.33	1086.32	0.00
Hempstead Lake	6514.22*	Max WS	54.05	10.88	25.24		25.24	0.000000	0.00	11260.46	1084.47	0.00
Hempstead Lake	6500.57*	Max WS	54.07	10.89	25.24		25.24	0.000000	0.00	11112.31	1082.65	0.00
Hempstead Lake	6486.91*	Max WS	54.06	10.91	25.24		25.24	0.000000	0.00	10963.33	1080.81	0.00
Hempstead Lake	6473.26*	Max WS	54.05	10.92	25.24		25.24	0.000000	0.00	10815.69	1078.95	0.00
Hempstead Lake	6459.61*	Max WS	54.08	10.93	25.24		25.24	0.000000	0.01	10669.36	1077.12	0.00
Hempstead Lake	6445.96*	Max WS	54.08	10.94	25.24		25.24	0.000000	0.01	10522.77	1075.25	0.00
Hempstead Lake	6432.31*	Max WS	54.06	10.95	25.24		25.24	0.000000	0.01	10378.32	1073.32	0.00
Hempstead Lake	6418.66*	Max WS	54.06	10.96	25.24		25.24	0.000000	0.01	10231.58	1071.32	0.00
Hempstead Lake	6405.01*	Max WS	54.08	10.97	25.24		25.24	0.000000	0.01	10087.28	1069.26	0.00
Hempstead Lake	6391.36*	Max WS	54.07	10.98	25.24		25.24	0.000000	0.01	9946.00	1067.02	0.00
Hempstead Lake	6377.71*	Max WS	54.07	10.99	25.24		25.24	0.000000	0.01	9801.87	1064.69	0.00
Hempstead Lake	6364.06*	Max WS	54.06	11.00	25.24		25.24	0.000000	0.01	9661.71	1062.14	0.00
Hempstead Lake	6350.41*	Max WS	54.07	11.01	25.24		25.24	0.000000	0.01	9520.36	1059.24	0.00
Hempstead Lake	6336.76*	Max WS	54.07	11.02	25.24		25.24	0.000000	0.01	9381.10	1056.09	0.00
Hempstead Lake	6323.11*	Max WS	54.06	11.03	25.24		25.24	0.000000	0.01	9243.18	1052.30	0.00
Hempstead Lake	6309.45*	Max WS	54.07	11.04	25.24		25.24	0.000000	0.01	9103.86	1047.60	0.00
Hempstead Lake	6295.80*	Max WS	54.06	11.05	25.24		25.24	0.000000	0.01	8967.21	1039.70	0.00
Hempstead Lake	6282.15*	Max WS	54.06	11.06	25.24		25.24	0.000000	0.01	8835.55	1029.53	0.00
Hempstead Lake	6268.507	Max WS	54.06	11.07	25.24		25.24	0.000000	0.01	8703.89	1020.05	0.00
Hempstead Lake	6259.72*	Max WS	54.06	11.10	25.24		25.24	0.000000	0.01	9406.61	1043.90	0.00
Hempstead Lake	6250.93*	Max WS	54.07	11.14	25.24		25.24	0.000000	0.01	10125.27	1055.62	0.00
Hempstead Lake	6242.14*	Max WS	54.06	11.17	25.24		25.24	0.000000	0.00	10880.85	1051.46	0.00
Hempstead Lake	6233.35*	Max WS	54.06	11.21	25.24		25.24	0.000000	0.00	11690.76	1039.64	0.00
Hempstead Lake	6224.57*	Max WS	54.05	11.24	25.24		25.24	0.000000	0.00	12554.91	1053.61	0.00
Hempstead Lake	6215.78*	Max WS	54.06	11.27	25.24		25.24	0.000000	0.00	13417.46	1088.51	0.00
Hempstead Lake	6206.99*	Max WS	54.05	11.31	25.24		25.24	0.000000	0.00	14267.34	1124.93	0.00
Hempstead Lake	6198.21*	Max WS	54.05	11.34	25.24		25.24	0.000000	0.00	15102.57	1162.31	0.00
Hempstead Lake	6189.42*	Max WS	54.05	11.38	25.24		25.24	0.000000	0.00	15927.54	1200.44	0.00
Hempstead Lake	6180.638	Max WS	54.05	11.41	25.24		25.24	0.000000	0.00	16735.81	1239.07	0.00
Hempstead Lake	6177.638	Max WS	54.05	11.00	25.24	11.04	25.24	0.000000	0.00	17218.42	1237.15	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	37.35	10.80	13.74	11.55	13.76	0.000073	1.27	29.35	10.00	0.13
Hempstead Lake	5930.638	Max WS	37.27	10.80	13.73	11.56	13.76	0.000073	1.27	29.30	10.00	0.13
Hempstead Lake	5880.638	Max WS	37.20	10.80	13.72	11.56	13.75	0.000073	1.27	29.24	10.00	0.13
Hempstead Lake	5830.638	Max WS	37.14	10.80	13.72	11.55	13.74	0.000073	1.27	29.19	10.00	0.13
Hempstead Lake	5780.638	Max WS	37.05	10.80	13.71	11.55	13.74	0.000073	1.27	29.14	10.00	0.13
Hempstead Lake	5730.638	Max WS	36.98	10.80	13.71	11.55	13.73	0.000073	1.27	29.08	10.00	0.13
Hempstead Lake	5680.638	Max WS	36.93	10.80	13.70	11.55	13.73	0.000073	1.27	29.03	10.00	0.13
Hempstead Lake	5630.638	Max WS	36.90	10.80	13.70	11.55	13.72	0.000074	1.27	28.97	10.00	0.13
Hempstead Lake	5580.638	Max WS	36.84	10.80	13.69	11.55	13.72	0.000074	1.27	28.92	10.00	0.13
Hempstead Lake	5530.638	Max WS	36.79	10.80	13.69	11.55	13.71	0.000074	1.27	28.86	10.00	0.13
Hempstead Lake	5480.638	Max WS	36.73	10.80	13.68	11.55	13.71	0.000074	1.27	28.81	10.00	0.13
Hempstead Lake	5430.638	Max WS	36.59	8.00	13.67	8.70	13.68	0.001057	0.83	44.00		0.06
Hempstead Lake	5380.638	Max WS	36.30	8.00	13.64	8.70	13.65	0.000166	0.82	44.00		0.06
Hempstead Lake	5330.638	Max WS	35.97	8.00	13.61	8.69	13.62	0.001022	0.82	44.00		0.06
Hempstead Lake	5307.48*	Max WS	35.86	7.93	13.59		13.60	0.000278	0.63	56.64	10.00	0.05
Hempstead Lake	5284.32*	Max WS	35.78	7.87	13.59		13.59	0.000360	0.70	51.44	9.00	0.05
Hempstead Lake	5261.17*	Max WS	35.68	7.80	13.57		13.58	0.000483	0.77	46.19	8.00	0.06
Hempstead Lake	5238.01*	Max WS	35.57	7.73	13.56		13.57	0.000682	0.87	40.80	7.00	0.06
Hempstead Lake	5214.85*	Max WS	35.50	7.67	13.55		13.56	0.003440	1.00	35.65	33.25	0.17
Hempstead Lake	5191.70*	Max WS	35.46	7.60	13.54		13.54	0.000127	0.21	170.64	180.82	0.04
Hempstead Lake	5168.54*	Max WS	35.44	7.54	13.54		13.54	0.000016	0.09	381.83	296.67	0.01
Hempstead Lake	5145.39*	Max WS	35.44	7.47	13.54		13.54	0.000003	0.05	652.35	318.41	0.01
Hempstead Lake	5122.23*	Max WS	35.44	7.40	13.54		13.54	0.000001	0.04	931.90	332.01	0.00
Hempstead Lake	5099.07*	Max WS	35.42	7.34	13.54		13.54	0.000000	0.03	1215.79	339.80	0.00
Hempstead Lake	5075.922	Max WS	35.44	7.27	13.54		13.54	0.000000	0.02	1499.85	344.81	0.00
Hempstead Lake	5055.96*	Max WS	35.44	7.23	13.54		13.54	0.000000	0.02	1484.27	346.83	0.00
Hempstead Lake	5036.01*	Max WS	35.41	7.20	13.54		13.54	0.000000	0.02	1485.71	360.44	0.00
Hempstead Lake	5016.05*	Max WS	35.44	7.16	13.54		13.54	0.000000	0.02	1522.98	394.03	0.00
Hempstead Lake	4996.10*	Max WS	35.41	7.12	13.54		13.54	0.000000	0.02	1643.24	500.87	0.00
Hempstead Lake	4976.14*	Max WS	35.43	7.09	13.54		13.54	0.000000	0.02	1960.99	565.70	0.00
Hempstead Lake	4956.192	Max WS	35.43	7.05	13.54		13.54	0.000000	0.02	2318.37	569.81	0.00
Hempstead Lake	4936.44*	Max WS	35.40	7.02	13.54		13.54	0.000000	0.01	2460.34	585.96	0.00
Hempstead Lake	4916.69*	Max WS	35.43	6.98	13.54		13.54	0.000000	0.01	2621.60	603.88	0.00
Hempstead Lake	4896.94*	Max WS	35.40	6.95	13.54		13.54	0.000000	0.01	2819.37	654.55	0.00
Hempstead Lake	4877.19*	Max WS	35.43	6.91	13.54		13.54	0.000000	0.01	3082.46	688.13	0.00
Hempstead Lake	4857.44*	Max WS	35.43	6.88	13.54		13.54	0.000000	0.01	3392.74	737.18	0.00
Hempstead Lake	4837.697	Max WS	35.43	6.84	13.54		13.54	0.000000	0.01	3751.23	776.27	0.00
Hempstead Lake	4817.64*	Max WS	113.44	6.81	13.54		13.54	0.000000	0.03	3819.59	775.13	0.00
Hempstead Lake	4797.59*	Max WS	113.32	6.77	13.54		13.54	0.000000	0.03	3888.43	773.83	0.00
Hempstead Lake	4777.53*	Max WS	113.32	6.67	13.54		13.54	0.000000	0.03	3958.15	772.79	0.00

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	113.42	6.58	13.54		13.54	0.000000	0.03	4027.14	771.68	0.00
Hempstead Lake	4737.42*	Max WS	113.42	6.49	13.54		13.54	0.000000	0.03	4096.65	770.78	0.00
Hempstead Lake	4717.37*	Max WS	113.41	6.40	13.54		13.54	0.000000	0.03	4165.60	771.72	0.00
Hempstead Lake	4697.32*	Max WS	113.32	6.30	13.54		13.54	0.000000	0.03	4237.53	773.43	0.00
Hempstead Lake	4677.26*	Max WS	113.41	6.21	13.54		13.54	0.000000	0.03	4309.61	775.86	0.00
Hempstead Lake	4657.21*	Max WS	113.31	6.12	13.54		13.54	0.000000	0.03	4383.63	778.99	0.00
Hempstead Lake	4637.16*	Max WS	113.40	6.02	13.54		13.54	0.000000	0.03	4459.41	782.99	0.00
Hempstead Lake	4617.10*	Max WS	113.31	5.91	13.54		13.54	0.000000	0.03	4537.91	788.34	0.00
Hempstead Lake	4597.05*	Max WS	113.31	5.76	13.54		13.54	0.000000	0.02	4617.79	791.17	0.00
Hempstead Lake	4577.*	Max WS	113.31	5.60	13.54		13.54	0.000000	0.02	4700.65	792.82	0.00
Hempstead Lake	4556.94*	Max WS	113.23	5.45	13.54		13.54	0.000000	0.02	4785.06	794.15	0.00
Hempstead Lake	4536.893	Max WS	113.38	5.30	13.54		13.54	0.000000	0.02	4870.45	795.26	0.00
Hempstead Lake	4516.70*	Max WS	118.58	5.16	13.54		13.54	0.000000	0.02	4916.62	794.36	0.00
Hempstead Lake	4496.51*	Max WS	118.57	5.02	13.54		13.54	0.000000	0.02	4968.08	794.22	0.00
Hempstead Lake	4476.32*	Max WS	118.57	4.88	13.54		13.54	0.000000	0.02	5025.26	795.10	0.00
Hempstead Lake	4456.14*	Max WS	118.50	4.74	13.54		13.54	0.000000	0.02	5087.08	797.02	0.00
Hempstead Lake	4435.95*	Max WS	118.57	4.60	13.54		13.54	0.000000	0.02	5156.80	800.31	0.00
Hempstead Lake	4415.76*	Max WS	118.57	4.46	13.54		13.54	0.000000	0.02	5235.21	807.66	0.00
Hempstead Lake	4395.57*	Max WS	118.56	4.32	13.54		13.54	0.000000	0.02	5323.14	811.48	0.00
Hempstead Lake	4375.38*	Max WS	118.56	4.18	13.54		13.54	0.000000	0.02	5418.77	816.08	0.00
Hempstead Lake	4355.20*	Max WS	118.56	4.04	13.54		13.54	0.000000	0.02	5522.42	818.91	0.00
Hempstead Lake	4335.01*	Max WS	118.61	3.90	13.54		13.54	0.000000	0.02	5631.89	819.76	0.00
Hempstead Lake	4314.82*	Max WS	118.56	3.76	13.54		13.54	0.000000	0.02	5748.06	820.52	0.00
Hempstead Lake	4294.63*	Max WS	118.60	3.62	13.54		13.54	0.000000	0.02	5869.04	821.22	0.00
Hempstead Lake	4274.44*	Max WS	118.55	3.48	13.54		13.54	0.000000	0.02	5994.86	821.22	0.00
Hempstead Lake	4254.26*	Max WS	118.55	3.34	13.54		13.54	0.000000	0.02	6126.75	821.12	0.00
Hempstead Lake	4234.07*	Max WS	118.55	3.20	13.54		13.54	0.000000	0.02	6264.19	820.86	0.00
Hempstead Lake	4213.88*	Max WS	118.55	3.06	13.54		13.54	0.000000	0.02	6407.30	820.48	0.00
Hempstead Lake	4193.69*	Max WS	118.55	2.92	13.54		13.54	0.000000	0.02	6554.37	819.98	0.00
Hempstead Lake	4173.50*	Max WS	118.54	2.78	13.54		13.54	0.000000	0.02	6707.54	819.36	0.00
Hempstead Lake	4153.320	Max WS	118.54	2.64	13.54		13.54	0.000000	0.02	6865.24	818.67	0.00
Hempstead Lake	4131.85*	Max WS	122.14	2.69	13.54		13.54	0.000000	0.02	6801.50	816.36	0.00
Hempstead Lake	4110.38*	Max WS	122.14	2.75	13.54		13.54	0.000000	0.02	6742.24	813.94	0.00
Hempstead Lake	4088.91*	Max WS	122.11	2.80	13.54		13.54	0.000000	0.02	6691.82	810.57	0.00
Hempstead Lake	4067.44*	Max WS	122.13	2.86	13.54		13.54	0.000000	0.02	6645.37	806.01	0.00
Hempstead Lake	4045.97*	Max WS	122.13	2.91	13.54		13.54	0.000000	0.02	6609.17	801.05	0.00
Hempstead Lake	4024.50*	Max WS	122.11	2.97	13.54		13.54	0.000000	0.02	6577.64	796.05	0.00
Hempstead Lake	4003.034	Max WS	122.13	3.02	13.54		13.54	0.000000	0.02	6556.13	790.73	0.00
Hempstead Lake	3984.01*	Max WS	122.12	3.78	13.54		13.54	0.000000	0.02	5628.23	773.58	0.00
Hempstead Lake	3964.99*	Max WS	122.12	4.54	13.54		13.54	0.000000	0.03	4722.12	755.99	0.00
Hempstead Lake	3945.97*	Max WS	122.11	5.30	13.54		13.54	0.000000	0.03	3837.76	733.34	0.00
Hempstead Lake	3926.95*	Max WS	122.12	6.06	13.54		13.54	0.000001	0.04	2978.05	713.55	0.00
Hempstead Lake	3907.93*	Max WS	122.12	6.82	13.54		13.54	0.000002	0.06	2141.94	690.76	0.01
Hempstead Lake	3888.916	Max WS	124.12	7.58	13.54		13.54	0.000001	0.11	1104.29	660.66	0.01
Hempstead Lake	3883.916	Max WS	124.12	7.20	13.54	7.93	13.54	0.000001	0.13	919.70	658.16	0.01
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	123.92	7.19	9.73		9.82	0.001583	2.49	49.74	148.32	0.37
Hempstead Lake	3858.916	Max WS	123.93	7.17	9.78		9.78	0.000106	0.61	202.09	152.80	0.09
Hempstead Lake	3826.579	Max WS	123.92	6.10	9.74		9.79	0.000380	1.68	73.98	30.67	0.19
Hempstead Lake	3821.579	Max WS	123.91	6.02	9.66		9.79	0.000640	2.91	42.54	25.63	0.27
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	123.89	5.94	9.59		9.66	0.000405	2.16	57.33	23.02	0.21
Hempstead Lake	3736.579	Max WS	123.89	5.88	9.60		9.66	0.000399	1.85	67.01	24.06	0.20
Hempstead Lake	3699.46*	Max WS	123.89	5.83	9.59		9.64	0.000453	1.82	68.21	26.70	0.20
Hempstead Lake	3662.35*	Max WS	123.89	5.78	9.58		9.62	0.000531	1.77	69.98	29.47	0.20
Hempstead Lake	3625.24*	Max WS	123.89	5.74	9.56		9.60	0.000580	1.72	72.14	32.56	0.20
Hempstead Lake	3588.13*	Max WS	123.89	5.69	9.54		9.58	0.000665	1.65	75.25	36.86	0.20
Hempstead Lake	3551.028	Max WS	123.89	5.64	9.53		9.56	0.000633	1.22	101.65	102.51	0.22
Hempstead Lake	3531.67*	Max WS	123.89	5.61	9.52		9.54	0.001335	1.22	101.76	97.89	0.21
Hempstead Lake	3512.33*	Max WS	123.89	5.58	9.50		9.53	0.001148	1.21	102.15	94.41	0.21
Hempstead Lake	3492.98*	Max WS	123.89	5.55	9.49		9.51	0.000983	1.21	102.71	91.44	0.20
Hempstead Lake	3473.63*	Max WS	123.89	5.52	9.48		9.50	0.000836	1.20	103.67	89.32	0.20
Hempstead Lake	3454.28*	Max WS	123.89	5.49	9.47		9.49	0.000707	1.18	104.81	87.56	0.19
Hempstead Lake	3434.93*	Max WS	123.89	5.46	9.46		9.48	0.000560	1.17	106.31	86.46	0.19
Hempstead Lake	3415.58*	Max WS	123.89	5.43	9.45		9.47	0.000465	1.15	107.79	85.29	0.18
Hempstead Lake	3396.239	Max WS	123.89	5.40	9.44		9.46	0.000384	1.13	109.59	84.71	0.18
Hempstead Lake	3376.88*	Max WS	123.89	5.37	9.44		9.46	0.000396	1.11	111.24	85.79	0.17
Hempstead Lake	3357.52*	Max WS	123.88	5.34	9.43		9.45	0.000411	1.10	112.56	86.67	0.17
Hempstead Lake	3338.16*	Max WS	123.88	5.32	9.43		9.44	0.000425	1.09	113.99	87.68	0.17
Hempstead Lake	3318.80*	Max WS	123.88	5.29	9.42		9.44	0.000438	1.07	115.65	88.83	0.17
Hempstead Lake	3299.44*	Max WS	123.88	5.26	9.41		9.43	0.000450	1.06	117.06	89.51	0.16
Hempstead Lake	3280.08*	Max WS	123.87	5.23	9.41		9.42	0.000464	1.05	118.42	90.38	0.16
Hempstead Lake	3260.73*	Max WS	123.86	5.21	9.40		9.41	0.000478	1.03	119.74	91.23	0.16
Hempstead Lake	3241.37*	Max WS	123.86	5.18	9.39		9.41	0.000464	1.02	121.21	92.05	0.16
Hempstead Lake	3222.01*	Max WS	123.85	5.15	9.38		9.40	0.000475	1.01	122.69	92.86	0.15
Hempstead Lake	3202.65*	Max WS	123.85	5.12	9.37		9.39	0.000487	1.00	124.11	93.63	0.15
Hempstead Lake	3183.29*	Max WS	123.85	5.10	9.37		9.38	0.000503	0.99	125.17	94.29	0.15
Hempstead Lake	3163.93*	Max WS	123.83	5.07	9.36		9.37	0.000514	0.98	126.53	94.97	0.15
Hempstead Lake	3144.581	Max WS	123.83	5.04	9.35		9.36	0.000267	0.97	128.07	95.71	0.15
Hempstead Lake	3124.73*	Max WS	123.83	5.01	9.35		9.36	0.000296	0.96	129.59	96.86	0.15
Hempstead Lake	3104.89*	Max WS	123.81	4.98	9.34		9.35	0.000287	0.94	131.26	97.97	0.14

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	123.81	4.95	9.33		9.35	0.000277	0.93	133.26	99.21	0.14
Hempstead Lake	3065.2*	Max WS	123.81	4.92	9.33		9.34	0.000267	0.92	135.29	100.32	0.14
Hempstead Lake	3045.35*	Max WS	123.79	4.88	9.33		9.34	0.000241	0.90	137.68	101.56	0.14
Hempstead Lake	3025.51*	Max WS	123.79	4.85	9.32		9.33	0.000229	0.88	140.41	102.76	0.13
Hempstead Lake	3005.66*	Max WS	123.79	4.82	9.32		9.33	0.000217	0.86	143.34	104.04	0.13
Hempstead Lake	2985.81*	Max WS	123.76	4.79	9.32		9.33	0.000194	0.85	146.12	105.19	0.13
Hempstead Lake	2965.974	Max WS	123.75	4.76	9.31		9.32	0.000184	0.83	149.04	106.21	0.12
Hempstead Lake	2951.87*	Max WS	123.75	4.74	9.31		9.32	0.000215	0.84	147.34	106.60	0.13
Hempstead Lake	2937.77*	Max WS	123.75	4.72	9.31		9.32	0.000227	0.85	145.88	107.02	0.13
Hempstead Lake	2923.67*	Max WS	123.72	4.70	9.30		9.32	0.000237	0.86	144.30	107.39	0.13
Hempstead Lake	2909.57*	Max WS	123.72	4.68	9.30		9.31	0.000247	0.87	142.70	107.69	0.13
Hempstead Lake	2895.47*	Max WS	123.72	4.66	9.30		9.31	0.000258	0.88	140.87	107.69	0.14
Hempstead Lake	2881.37*	Max WS	123.68	4.64	9.29		9.31	0.000269	0.89	138.96	107.72	0.14
Hempstead Lake	2867.27*	Max WS	123.68	4.62	9.29		9.30	0.000282	0.90	137.52	107.94	0.14
Hempstead Lake	2853.17*	Max WS	123.64	4.61	9.29		9.30	0.000292	0.91	135.73	107.87	0.14
Hempstead Lake	2839.07*	Max WS	123.64	4.59	9.28		9.30	0.000302	0.92	133.96	107.46	0.15
Hempstead Lake	2824.98*	Max WS	123.64	4.57	9.28		9.29	0.000311	0.93	132.26	107.25	0.15
Hempstead Lake	2810.88*	Max WS	123.60	4.55	9.27		9.29	0.000320	0.95	130.19	106.58	0.15
Hempstead Lake	2796.78*	Max WS	123.60	4.53	9.27		9.28	0.000333	0.96	128.68	106.07	0.15
Hempstead Lake	2782.68*	Max WS	123.56	4.51	9.26		9.28	0.000339	0.97	126.93	105.40	0.16
Hempstead Lake	2768.58*	Max WS	123.56	4.49	9.26		9.27	0.000343	0.99	125.37	104.43	0.16
Hempstead Lake	2754.48*	Max WS	123.51	4.47	9.25		9.27	0.000345	1.00	123.82	103.04	0.16
Hempstead Lake	2740.38*	Max WS	123.51	4.45	9.25		9.26	0.000347	1.01	122.22	101.66	0.16
Hempstead Lake	2726.28*	Max WS	123.47	4.43	9.24		9.26	0.000356	1.02	120.87	100.44	0.16
Hempstead Lake	2712.18*	Max WS	123.42	4.41	9.24		9.26	0.000352	1.03	119.73	98.59	0.16
Hempstead Lake	2698.08*	Max WS	123.42	4.39	9.23		9.25	0.000346	1.04	118.69	96.35	0.17
Hempstead Lake	2683.98*	Max WS	123.37	4.37	9.23		9.25	0.000337	1.05	117.98	93.88	0.16
Hempstead Lake	2669.88*	Max WS	123.37	4.35	9.23		9.24	0.000316	1.05	117.55	92.02	0.16
Hempstead Lake	2655.78*	Max WS	123.31	4.34	9.22		9.24	0.000314	1.06	116.68	92.73	0.17
Hempstead Lake	2641.68*	Max WS	123.26	4.32	9.22		9.24	0.000296	1.06	116.28	93.63	0.17
Hempstead Lake	2627.58*	Max WS	123.26	4.30	9.21		9.23	0.000279	1.06	115.96	94.96	0.17
Hempstead Lake	2613.48*	Max WS	123.20	4.28	9.21		9.23	0.000265	1.07	115.53	96.48	0.17
Hempstead Lake	2599.38*	Max WS	123.20	4.26	9.21		9.22	0.000250	1.07	115.22	98.05	0.17
Hempstead Lake	2585.29*	Max WS	123.14	4.24	9.20		9.22	0.000248	1.07	114.57	99.47	0.18
Hempstead Lake	2571.19*	Max WS	123.14	4.22	9.20		9.22	0.000232	1.08	114.19	101.38	0.18
Hempstead Lake	2557.091	Max WS	123.01	4.20	9.19		9.21	0.000257	1.20	102.48	102.80	0.18
Hempstead Lake	2552.091	Max WS	122.69	4.09	9.16		9.21	0.000367	1.93	63.53	14.52	0.16
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	121.90	4.09	9.08		9.14	0.000316	1.80	67.55	16.16	0.16
Hempstead Lake	2487.091	Max WS	122.23	4.60	9.12		9.13	0.000170	0.93	131.57	149.91	0.17
Hempstead Lake	2477.12*	Max WS	122.17	4.58	9.12		9.13	0.000175	0.90	135.25	148.09	0.16
Hempstead Lake	2467.14*	Max WS	122.16	4.57	9.11		9.13	0.000211	0.88	138.89	146.23	0.15
Hempstead Lake	2457.17*	Max WS	122.16	4.55	9.11		9.12	0.000268	0.87	141.09	144.37	0.15
Hempstead Lake	2447.20*	Max WS	122.09	4.53	9.11		9.12	0.000338	0.85	143.20	142.54	0.15
Hempstead Lake	2437.23*	Max WS	122.02	4.51	9.10		9.11	0.001246	0.84	144.76	140.68	0.15
Hempstead Lake	2427.26*	Max WS	121.87	4.50	9.09		9.10	0.001203	0.84	144.34	138.39	0.15
Hempstead Lake	2417.29*	Max WS	121.72	4.48	9.08		9.09	0.001149	0.84	144.48	136.17	0.14
Hempstead Lake	2407.32*	Max WS	121.56	4.46	9.07		9.08	0.000540	0.84	145.50	134.55	0.14
Hempstead Lake	2397.35*	Max WS	121.56	4.44	9.06		9.08	0.000511	0.83	145.91	132.81	0.14
Hempstead Lake	2387.37*	Max WS	121.48	4.43	9.06		9.07	0.000460	0.83	147.10	131.15	0.14
Hempstead Lake	2377.40*	Max WS	121.40	4.41	9.06		9.07	0.000409	0.82	147.92	129.95	0.14
Hempstead Lake	2367.43*	Max WS	121.31	4.39	9.05		9.06	0.000378	0.82	148.24	128.60	0.13
Hempstead Lake	2357.46*	Max WS	121.31	4.37	9.05		9.06	0.000336	0.81	149.29	127.66	0.13
Hempstead Lake	2347.49*	Max WS	121.22	4.36	9.05		9.06	0.000299	0.81	150.17	127.25	0.13
Hempstead Lake	2337.52*	Max WS	121.14	4.34	9.04		9.05	0.000299	0.80	150.70	126.89	0.13
Hempstead Lake	2327.55*	Max WS	121.13	4.32	9.04		9.05	0.000302	0.80	151.86	126.86	0.13
Hempstead Lake	2317.58*	Max WS	121.04	4.30	9.04		9.05	0.000304	0.79	153.36	128.21	0.13
Hempstead Lake	2307.60*	Max WS	121.04	4.29	9.03		9.04	0.000290	0.78	154.91	130.21	0.13
Hempstead Lake	2297.63*	Max WS	120.95	4.27	9.03		9.04	0.000256	0.77	157.74	134.13	0.12
Hempstead Lake	2287.66*	Max WS	120.95	4.25	9.03		9.04	0.000209	0.75	161.63	139.58	0.12
Hempstead Lake	2277.69*	Max WS	120.95	4.23	9.03		9.04	0.000162	0.72	167.75	145.06	0.12
Hempstead Lake	2267.72*	Max WS	120.85	4.22	9.03		9.04	0.000127	0.69	176.18	152.88	0.11
Hempstead Lake	2257.752	Max WS	120.85	4.20	9.03		9.03	0.000105	0.65	186.69	168.15	0.10
Hempstead Lake	2252.75*	Max WS	120.75	4.10	9.02		9.03	0.000658	0.83	145.84	156.59	0.12
Hempstead Lake	2247.752	Max WS	120.45	4.00	9.01		9.03	0.000118	1.23	97.90	147.71	0.11
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	119.19	3.80	8.94		8.95	0.000059	0.76	156.30	52.44	0.08
Hempstead Lake	2192.75*	Max WS	119.30	3.75	8.95		8.95	0.000040	0.53	227.02	87.47	0.06
Hempstead Lake	2187.752	Max WS	119.30	3.70	8.95		8.95	0.000035	0.53	237.29	162.25	0.06
Hempstead Lake	2178.63*	Max WS	119.30	3.72	8.95		8.95	0.000036	0.54	221.53	95.88	0.06
Hempstead Lake	2169.52*	Max WS	119.30	3.74	8.94		8.95	0.000036	0.55	217.63	82.85	0.06
Hempstead Lake	2160.40*	Max WS	119.30	3.76	8.94		8.95	0.000037	0.56	214.18	81.07	0.06
Hempstead Lake	2151.29*	Max WS	119.19	3.78	8.94		8.95	0.000038	0.57	210.42	79.47	0.06
Hempstead Lake	2142.17*	Max WS	119.19	3.80	8.94		8.95	0.000039	0.58	206.91	78.06	0.06
Hempstead Lake	2133.05*	Max WS	119.19	3.82	8.94		8.95	0.000041	0.59	202.86	76.72	0.06
Hempstead Lake	2123.94*	Max WS	119.19	3.83	8.94		8.95	0.000042	0.60	199.04	75.50	0.06
Hempstead Lake	2114.82*	Max WS	119.19	3.85	8.94		8.95	0.000044	0.61	194.65	74.37	0.07
Hempstead Lake	2105.71*	Max WS	119.19	3.87	8.94		8.95	0.000047	0.63	190.50	73.29	0.07
Hempstead Lake	2096.59*	Max WS	119.19	3.89	8.94		8.95	0.000049	0.64	186.04	71.10	0.07
Hempstead Lake	2087.48*	Max WS	119.19	3.91	8.94		8.95	0.000050	0.65	182.21	69.11	0.07
Hempstead Lake	2078.36*	Max WS	119.07	3.93	8.94		8.95	0.000052	0.67	178.29	67.23	0.07

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	119.07	3.95	8.94		8.94	0.000054	0.68	174.93	65.56	0.07
Hempstead Lake	2060.13*	Max WS	119.07	3.97	8.94		8.94	0.000056	0.69	171.35	63.92	0.07
Hempstead Lake	2051.01*	Max WS	119.07	3.99	8.94		8.94	0.000058	0.71	168.20	62.43	0.08
Hempstead Lake	2041.90*	Max WS	118.95	4.01	8.94		8.94	0.000060	0.72	164.84	60.94	0.08
Hempstead Lake	2032.78*	Max WS	118.95	4.03	8.93		8.94	0.000062	0.73	161.88	59.61	0.08
Hempstead Lake	2023.67*	Max WS	118.95	4.05	8.93		8.94	0.000064	0.75	158.78	58.30	0.08
Hempstead Lake	2014.55*	Max WS	118.95	4.07	8.93		8.94	0.000066	0.76	155.98	57.10	0.08
Hempstead Lake	2005.44*	Max WS	118.95	4.08	8.93		8.94	0.000068	0.78	152.96	55.87	0.08
Hempstead Lake	1996.32*	Max WS	118.83	4.10	8.93		8.94	0.000071	0.79	150.32	54.77	0.08
Hempstead Lake	1987.20*	Max WS	118.83	4.12	8.93		8.94	0.000073	0.81	147.40	53.70	0.09
Hempstead Lake	1978.09*	Max WS	118.83	4.14	8.93		8.94	0.000077	0.82	144.74	52.98	0.09
Hempstead Lake	1968.97*	Max WS	118.71	4.16	8.93		8.94	0.000080	0.84	141.85	51.85	0.09
Hempstead Lake	1959.86*	Max WS	118.71	4.18	8.93		8.94	0.000083	0.85	139.33	50.84	0.09
Hempstead Lake	1950.747	Max WS	118.71	4.20	8.92		8.94	0.000086	0.87	136.62	49.80	0.09
Hempstead Lake	1945.747	Max WS	117.84	4.21	8.90		8.94	0.000250	1.63	72.48	16.93	0.14
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	114.57	4.50	8.79		8.85	0.000401	1.91	60.12	14.00	0.16
Hempstead Lake	1880.747	Max WS	115.51	4.45	8.82		8.83	0.000020	0.41	284.52	112.43	0.04
Hempstead Lake	1848.83*	Max WS	115.51	2.70	8.83		8.83	0.000001	0.09	1217.87	331.88	0.01
Hempstead Lake	1816.92*	Max WS	115.50	0.95	8.83		8.83	0.000000	0.04	2998.42	607.17	0.00
Hempstead Lake	1785.01*	Max WS	115.49	-0.80	8.83		8.83	0.000000	0.02	5437.57	801.30	0.00
Hempstead Lake	1753.104	Max WS	115.48	-2.55	8.83		8.83	0.000000	0.01	8429.49	987.04	0.00
Hempstead Lake	1732.65*	Max WS	115.47	-2.75	8.83		8.83	0.000000	0.01	8450.97	990.66	0.00
Hempstead Lake	1712.21*	Max WS	115.46	-2.95	8.83		8.83	0.000000	0.01	8485.64	997.31	0.00
Hempstead Lake	1691.76*	Max WS	115.45	-3.14	8.83		8.83	0.000000	0.01	8536.35	1008.59	0.00
Hempstead Lake	1671.32*	Max WS	115.44	-3.34	8.83		8.83	0.000000	0.01	8608.99	1026.41	0.00
Hempstead Lake	1650.87*	Max WS	115.43	-3.54	8.83		8.83	0.000000	0.01	8710.10	1047.03	0.00
Hempstead Lake	1630.434	Max WS	115.42	-3.74	8.83		8.83	0.000000	0.01	8846.06	1073.02	0.00
Hempstead Lake	1610.36*	Max WS	115.41	-3.49	8.83		8.83	0.000000	0.01	8412.43	1049.25	0.00
Hempstead Lake	1590.30*	Max WS	115.40	-3.23	8.83		8.83	0.000000	0.01	7989.37	1024.84	0.00
Hempstead Lake	1570.23*	Max WS	115.39	-2.98	8.83		8.83	0.000000	0.02	7577.12	999.75	0.00
Hempstead Lake	1550.17*	Max WS	115.38	-2.73	8.83		8.83	0.000000	0.02	7176.63	974.03	0.00
Hempstead Lake	1530.10*	Max WS	115.37	-2.47	8.83		8.83	0.000000	0.02	6785.59	947.13	0.00
Hempstead Lake	1510.03*	Max WS	115.36	-2.22	8.83		8.83	0.000000	0.02	6406.25	917.59	0.00
Hempstead Lake	1489.97*	Max WS	115.35	-1.96	8.83		8.83	0.000000	0.02	6039.79	887.00	0.00
Hempstead Lake	1469.90*	Max WS	115.34	-1.71	8.83		8.83	0.000000	0.02	5686.77	854.04	0.00
Hempstead Lake	1449.83*	Max WS	115.33	-1.46	8.83		8.83	0.000000	0.02	5348.51	819.76	0.00
Hempstead Lake	1429.77*	Max WS	115.32	-1.20	8.83		8.83	0.000000	0.02	5023.50	784.89	0.00
Hempstead Lake	1409.707	Max WS	115.32	-0.95	8.83		8.83	0.000000	0.02	4711.52	751.57	0.00
Hempstead Lake	1389.03*	Max WS	1281.63	-0.98	8.82		8.82	0.000003	0.27	4724.36	756.27	0.02
Hempstead Lake	1368.35*	Max WS	1281.61	-1.00	8.82		8.82	0.000003	0.27	4738.33	764.48	0.02
Hempstead Lake	1347.67*	Max WS	1281.60	-1.03	8.82		8.82	0.000003	0.27	4754.37	767.58	0.02
Hempstead Lake	1326.99*	Max WS	1281.59	-1.06	8.82		8.82	0.000003	0.27	4770.37	769.60	0.02
Hempstead Lake	1306.32*	Max WS	1281.58	-1.08	8.82		8.82	0.000003	0.27	4784.69	770.97	0.02
Hempstead Lake	1285.64*	Max WS	1281.56	-1.11	8.82		8.82	0.000003	0.27	4799.79	771.40	0.02
Hempstead Lake	1264.96*	Max WS	1281.55	-1.14	8.82		8.82	0.000003	0.27	4814.36	774.85	0.02
Hempstead Lake	1244.28*	Max WS	1281.54	-1.16	8.82		8.82	0.000003	0.27	4829.71	776.56	0.02
Hempstead Lake	1223.61*	Max WS	1281.52	-1.19	8.82		8.82	0.000003	0.27	4844.58	777.33	0.02
Hempstead Lake	1202.93*	Max WS	1281.51	-1.22	8.82		8.82	0.000002	0.27	4858.14	777.35	0.02
Hempstead Lake	1182.25*	Max WS	1281.50	-1.24	8.82		8.82	0.000002	0.27	4871.58	777.29	0.02
Hempstead Lake	1161.57*	Max WS	1281.48	-1.27	8.82		8.82	0.000002	0.27	4884.15	777.18	0.02
Hempstead Lake	1140.90*	Max WS	1281.47	-1.30	8.82		8.82	0.000002	0.26	4896.78	776.97	0.02
Hempstead Lake	1120.22*	Max WS	1281.46	-1.32	8.82		8.82	0.000003	0.26	4909.52	776.82	0.02
Hempstead Lake	1099.54*	Max WS	1281.44	-1.35	8.82		8.82	0.000002	0.26	4920.71	776.56	0.02
Hempstead Lake	1078.87*	Max WS	1281.43	-1.38	8.82		8.82	0.000002	0.26	4930.24	776.48	0.02
Hempstead Lake	1058.19*	Max WS	1281.42	-1.40	8.82		8.82	0.000002	0.26	4941.82	776.39	0.02
Hempstead Lake	1037.515	Max WS	1281.40	-1.43	8.82		8.82	0.000002	0.26	4951.33	776.48	0.02
Hempstead Lake	1017.08*	Max WS	1285.86	-1.35	8.82		8.82	0.000003	0.26	4968.28	772.63	0.02
Hempstead Lake	996.645*	Max WS	1285.84	-1.28	8.82		8.82	0.000003	0.26	4984.68	768.74	0.02
Hempstead Lake	976.210*	Max WS	1285.83	-1.20	8.82		8.82	0.000004	0.26	4999.66	764.32	0.02
Hempstead Lake	955.775*	Max WS	1285.81	-1.13	8.82		8.82	0.000004	0.26	5014.29	759.86	0.02
Hempstead Lake	935.340*	Max WS	1285.47	-1.05	8.82		8.82	0.000005	0.26	5026.88	755.01	0.02
Hempstead Lake	914.905*	Max WS	1285.47	-0.98	8.82		8.82	0.000006	0.26	5038.85	750.08	0.02
Hempstead Lake	894.471*	Max WS	1285.47	-0.90	8.82		8.82	0.000006	0.26	5048.99	744.88	0.02
Hempstead Lake	874.036*	Max WS	1285.75	-0.83	8.82		8.82	0.000007	0.26	5058.30	739.39	0.02
Hempstead Lake	853.601*	Max WS	1285.47	-0.75	8.82		8.82	0.000007	0.26	5066.53	733.85	0.02
Hempstead Lake	833.166*	Max WS	1285.72	-0.68	8.82		8.82	0.000008	0.26	5071.79	728.18	0.02
Hempstead Lake	812.731*	Max WS	1285.71	-0.60	8.82		8.82	0.000009	0.26	5077.13	722.26	0.02
Hempstead Lake	792.296*	Max WS	1285.47	-0.53	8.82		8.82	0.000010	0.26	5081.31	716.34	0.02
Hempstead Lake	771.862	Max WS	1285.47	-0.45	8.82		8.82	0.000002	0.26	5083.50	710.25	0.02
Hempstead Lake	750.331*	Max WS	1287.46	-0.53	8.82		8.82	0.000010	0.27	4829.61	692.16	0.02
Hempstead Lake	728.8*	Max WS	1287.46	-0.61	8.82		8.82	0.000011	0.29	4601.45	669.24	0.02
Hempstead Lake	707.269*	Max WS	1287.46	-0.69	8.82		8.82	0.000011	0.30	4403.13	645.85	0.02
Hempstead Lake	685.738*	Max WS	1287.46	-0.77	8.82		8.82	0.000010	0.31	4232.38	627.24	0.02
Hempstead Lake	664.207*	Max WS	1287.46	-0.85	8.82		8.82	0.000010	0.32	4086.28	609.60	0.02
Hempstead Lake	642.676*	Max WS	1287.45	-0.93	8.82		8.82	0.000010	0.33	3964.05	594.23	0.02
Hempstead Lake	621.145*	Max WS	1287.45	-1.02	8.82		8.82	0.000009	0.34	3862.99	577.41	0.02
Hempstead Lake	599.614*	Max WS	1287.45	-1.10	8.82		8.82	0.000008	0.34	3786.76	559.24	0.02
Hempstead Lake	578.083*	Max WS	1287.45	-1.18	8.82		8.82	0.000007	0.35	3735.72	537.78	0.02
Hempstead Lake	556.552*	Max WS	1287.45	-1.26	8.82		8.82	0.000006	0.35	3707.87	521.56	0.02
Hempstead Lake	535.021*	Max WS	1287.44	-1.34	8.82		8.82	0.000004	0.35	3699.89	507.97	0.02

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	1287.44	-1.42	8.82		8.82	0.000003	0.35	3707.29	496.61	0.02
Hempstead Lake	493.038*	Max WS	1293.53	-1.03	8.82		8.82	0.000010	0.40	3258.79	481.62	0.03
Hempstead Lake	472.587*	Max WS	1293.53	-0.65	8.82		8.82	0.000016	0.46	2825.70	469.15	0.03
Hempstead Lake	452.136*	Max WS	1293.53	-0.26	8.81		8.82	0.000028	0.54	2406.30	456.34	0.04
Hempstead Lake	431.685*	Max WS	1293.52	0.12	8.81		8.82	0.000049	0.65	2001.84	443.22	0.05
Hempstead Lake	411.234*	Max WS	1293.52	0.51	8.81		8.82	0.000087	0.80	1612.10	429.71	0.07
Hempstead Lake	390.783*	Max WS	1293.52	0.90	8.80		8.81	0.000160	1.05	1235.71	415.46	0.11
Hempstead Lake	370.332*	Max WS	1293.51	1.28	8.78		8.81	0.000280	1.47	877.80	386.32	0.17
Hempstead Lake	349.881*	Max WS	1293.51	1.67	8.74		8.81	0.000408	2.17	597.07	185.49	0.21
Hempstead Lake	329.430*	Max WS	1293.51	2.05	8.71		8.80	0.000499	2.38	544.53	124.26	0.20
Hempstead Lake	308.979*	Max WS	1293.51	2.44	8.68		8.78	0.000637	2.57	503.91	117.54	0.22
Hempstead Lake	288.528*	Max WS	1293.51	2.83	8.65		8.77	0.000844	2.77	466.28	111.81	0.24
Hempstead Lake	268.077*	Max WS	1293.51	3.21	8.61		8.75	0.001083	3.00	431.57	106.97	0.26
Hempstead Lake	247.626*	Max WS	1293.50	3.60	8.56		8.73	0.001425	3.26	396.94	102.77	0.29
Hempstead Lake	227.175*	Max WS	1293.50	3.98	8.49		8.69	0.001830	3.56	363.07	99.17	0.33
Hempstead Lake	206.724	Max WS	1293.50	4.37	8.42		8.66	0.001250	3.94	328.59	96.20	0.38
Hempstead Lake	201.724	Max WS	1293.50	4.37	8.52	6.04	8.65	0.000559	2.88	449.36	111.67	0.25
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	1293.50	1.00	3.30		3.66	0.003301	4.88	268.28	120.11	0.57
Hempstead Lake	166.724	Max WS	1293.50	1.00	3.29	2.58	3.66	0.003335	4.90	267.42	120.09	0.57

EXIST 5 YEAR 8/27/15

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	31.52	31.40	0.12	0.03			1760.40		385.34
Hempstead Lake	15523.7*	Max WS	31.47	31.35	0.11	0.08			1760.03		386.99
Hempstead Lake	15503.5*	Max WS	31.39	31.27	0.11	0.08			1759.66		385.37
Hempstead Lake	15483.3*	Max WS	31.31	31.19	0.11	0.08			1759.30		383.82
Hempstead Lake	15463.0*	Max WS	31.23	31.12	0.12	0.08			1758.57		381.61
Hempstead Lake	15442.8*	Max WS	31.16	31.04	0.12	0.08			1758.45		378.35
Hempstead Lake	15422.5*	Max WS	31.09	30.96	0.12	0.08			1758.27		373.71
Hempstead Lake	15402.3*	Max WS	31.01	30.88	0.13	0.08			1757.52		367.24
Hempstead Lake	15382.1*	Max WS	30.94	30.79	0.14	0.09			1757.48		359.11
Hempstead Lake	15361.8*	Max WS	30.85	30.69	0.16	0.10			1757.39		347.63
Hempstead Lake	15341.6*	Max WS	30.75	30.57	0.19	0.11			1757.24		331.02
Hempstead Lake	15321.4*	Max WS	30.64	30.41	0.23	0.11			1757.10		284.84
Hempstead Lake	15301.1*	Max WS	30.53	30.27	0.26	0.12			1756.78		255.14
Hempstead Lake	15280.9*	Max WS	30.42	30.11	0.31	0.14			1756.75		241.43
Hempstead Lake	15260.7*	Max WS	30.30	29.91	0.39	0.18			1756.70		224.75
Hempstead Lake	15240.4*	Max WS	30.17	29.61	0.56	0.25			1756.33		196.65
Hempstead Lake	15220.2*	Max WS	30.14	29.37	0.77	0.37			1756.53		172.76
Hempstead Lake	15200.02	Max WS	30.31	29.01	1.29	0.46			1756.47		144.45
Hempstead Lake	15180.7*	Max WS	29.64	28.59	1.05	0.47			1756.34		159.73
Hempstead Lake	15161.4*	Max WS	29.03	28.16	0.87	0.14			1756.32		175.32
Hempstead Lake	15142.1*	Max WS	28.13	28.09	0.04	0.02			541.14		210.62
Hempstead Lake	15122.8*	Max WS	28.11	28.09	0.02	0.01			540.66		244.87
Hempstead Lake	15103.5*	Max WS	28.11	28.09	0.01	0.00			540.34		271.43
Hempstead Lake	15084.2*	Max WS	28.10	28.09	0.01	0.00			540.13		300.08
Hempstead Lake	15064.9*	Max WS	28.10	28.09	0.01	0.00			539.97		333.84
Hempstead Lake	15045.6*	Max WS	28.10	28.09	0.00	0.00			539.85		379.53
Hempstead Lake	15026.4*	Max WS	28.09	28.09	0.00	0.00			539.75		411.60
Hempstead Lake	15007.1*	Max WS	28.09	28.09	0.00	0.00			545.89		436.66
Hempstead Lake	14987.82	Max WS	28.09	28.09	0.00	0.00			545.88		460.82
Hempstead Lake	14966.6*	Max WS	28.09	28.09	0.00	0.00			552.52		479.28
Hempstead Lake	14945.4*	Max WS	28.09	28.09	0.00	0.00			552.51		497.99
Hempstead Lake	14924.3*	Max WS	28.09	28.09	0.00	0.00			551.79		516.84
Hempstead Lake	14903.1*	Max WS	28.09	28.09	0.00	0.00			551.79		535.74
Hempstead Lake	14882.*	Max WS	28.09	28.09	0.00	0.00			551.79		554.26
Hempstead Lake	14860.8*	Max WS	28.09	28.09	0.00	0.00			551.78		573.58
Hempstead Lake	14839.6*	Max WS	28.09	28.09	0.00	0.00			551.78		593.46
Hempstead Lake	14818.5*	Max WS	28.09	28.09	0.00	0.00			551.78		613.72
Hempstead Lake	14797.35	Max WS	28.09	28.09	0.00	0.00			551.77		634.24
Hempstead Lake	14777.4*	Max WS	28.09	28.09	0.00	0.00			551.77		647.02
Hempstead Lake	14757.4*	Max WS	28.09	28.09	0.00	0.00			551.76		659.86
Hempstead Lake	14737.5*	Max WS	28.09	28.09	0.00	0.00			551.76		672.67
Hempstead Lake	14717.5*	Max WS	28.09	28.09	0.00	0.00			551.75		685.55
Hempstead Lake	14697.6*	Max WS	28.09	28.09	0.00	0.00			551.75		698.57
Hempstead Lake	14677.6*	Max WS	28.09	28.09	0.00	0.00			551.74		711.53
Hempstead Lake	14657.7*	Max WS	28.09	28.09	0.00	0.00			551.74		724.60
Hempstead Lake	14637.7*	Max WS	28.09	28.09	0.00	0.00			551.73		737.70
Hempstead Lake	14617.8*	Max WS	28.09	28.09	0.00	0.00			551.73		750.84
Hempstead Lake	14597.8*	Max WS	28.09	28.09	0.00	0.00			551.72		764.08
Hempstead Lake	14577.9*	Max WS	28.09	28.09	0.00	0.00			551.71		777.35
Hempstead Lake	14557.9*	Max WS	28.09	28.09	0.00	0.00			551.71		790.61
Hempstead Lake	14538.0*	Max WS	28.09	28.09	0.00	0.00			551.71		804.02
Hempstead Lake	14518.0*	Max WS	28.09	28.09	0.00	0.00			552.29		817.29
Hempstead Lake	14498.1*	Max WS	28.09	28.09	0.00	0.00			551.70		830.70
Hempstead Lake	14478.1*	Max WS	28.09	28.09	0.00	0.00			551.70		844.36
Hempstead Lake	14458.2*	Max WS	28.09	28.09	0.00	0.00			552.28		858.05
Hempstead Lake	14438.2*	Max WS	28.09	28.09	0.00	0.00			551.70		872.01
Hempstead Lake	14418.3*	Max WS	28.09	28.09	0.00	0.00			552.87		886.14
Hempstead Lake	14398.37	Max WS	28.09	28.09	0.00	0.00			552.27		900.52
Hempstead Lake	14378.3*	Max WS	28.09	28.09	0.00	0.00			552.86		885.65
Hempstead Lake	14358.3*	Max WS	28.09	28.09	0.00	0.00			551.70		870.54
Hempstead Lake	14338.2*	Max WS	28.09	28.09	0.00	0.00			552.26		855.56
Hempstead Lake	14318.2*	Max WS	28.09	28.09	0.00	0.00			552.26		840.48
Hempstead Lake	14298.2*	Max WS	28.09	28.09	0.00	0.00			552.84		825.64
Hempstead Lake	14278.1*	Max WS	28.09	28.09	0.00	0.00			552.26		810.64
Hempstead Lake	14258.1*	Max WS	28.09	28.09	0.00	0.00			553.45		795.75
Hempstead Lake	14238.1*	Max WS	28.09	28.09	0.00	0.00			552.84		780.82
Hempstead Lake	14218.0*	Max WS	28.09	28.09	0.00	0.00			553.45		765.86
Hempstead Lake	14198.0*	Max WS	28.09	28.09	0.00	0.00			552.84		751.10
Hempstead Lake	14178.0*	Max WS	28.09	28.09	0.00	0.00			554.08		736.19
Hempstead Lake	14157.9*	Max WS	28.09	28.09	0.00	0.00			554.07		721.17
Hempstead Lake	14137.9*	Max WS	28.09	28.09	0.00	0.00			554.07		706.35
Hempstead Lake	14117.9*	Max WS	28.09	28.09	0.00	0.00			553.44		691.34

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	28.09	28.09	0.00	0.00			554.06		676.40
Hempstead Lake	14077.8*	Max WS	28.09	28.09	0.00	0.00			554.06		661.35
Hempstead Lake	14057.8*	Max WS	28.09	28.09	0.00	0.00			554.05		646.15
Hempstead Lake	14037.7*	Max WS	28.09	28.09	0.00	0.00			553.45		630.99
Hempstead Lake	14017.75	Max WS	28.09	28.09	0.00	0.00			554.05		615.53
Hempstead Lake	13998.2*	Max WS	28.09	28.09	0.00	0.00			554.05		635.65
Hempstead Lake	13978.6*	Max WS	28.09	28.09	0.00	0.00			554.66		656.72
Hempstead Lake	13959.1*	Max WS	28.09	28.09	0.00	0.00			554.65		678.96
Hempstead Lake	13939.6*	Max WS	28.09	28.09	0.00	0.00			554.04		702.39
Hempstead Lake	13920.0*	Max WS	28.09	28.09	0.00	0.00			554.04		722.62
Hempstead Lake	13900.5*	Max WS	28.09	28.09	0.00	0.00			554.63		742.22
Hempstead Lake	13881.*	Max WS	28.09	28.09	0.00	0.00			554.04		761.40
Hempstead Lake	13861.4*	Max WS	28.09	28.09	0.00	0.00			554.03		780.41
Hempstead Lake	13841.9*	Max WS	28.09	28.09	0.00	0.00			553.46		694.25
Hempstead Lake	13822.3*	Max WS	28.09	28.09	0.00	0.00			553.46		626.99
Hempstead Lake	13802.8*	Max WS	28.09	28.09	0.00	0.00			553.46		617.95
Hempstead Lake	13783.3*	Max WS	28.09	28.09	0.00	0.00			553.46		611.74
Hempstead Lake	13763.7*	Max WS	28.09	28.09	0.00	0.00			552.90		607.28
Hempstead Lake	13744.2*	Max WS	28.09	28.08	0.00	0.00			552.90		603.28
Hempstead Lake	13724.7*	Max WS	28.09	28.08	0.00	0.00			551.83		600.09
Hempstead Lake	13705.1*	Max WS	28.08	28.08	0.00	0.00			551.33		597.67
Hempstead Lake	13685.63	Max WS	28.08	28.08	0.00	0.00			551.83		596.23
Hempstead Lake	13666.4*	Max WS	28.08	28.08	0.00	0.00			552.35		624.52
Hempstead Lake	13647.1*	Max WS	28.08	28.08	0.00	0.00			552.34		653.39
Hempstead Lake	13627.9*	Max WS	28.08	28.08	0.00	0.00			552.34		683.13
Hempstead Lake	13608.7*	Max WS	28.08	28.08	0.00	0.00			552.34		714.87
Hempstead Lake	13589.5*	Max WS	28.08	28.08	0.00	0.00			552.33		747.83
Hempstead Lake	13570.2*	Max WS	28.08	28.08	0.00	0.00			552.33		711.66
Hempstead Lake	13551.0*	Max WS	28.08	28.08	0.00	0.00			552.33		537.85
Hempstead Lake	13531.8*	Max WS	28.08	28.08	0.00	0.00			551.77	0.07	607.21
Hempstead Lake	13512.6*	Max WS	28.08	28.08	0.00	0.00			551.87	0.44	664.98
Hempstead Lake	13493.3*	Max WS	28.08	28.08	0.00	0.00			551.13	1.17	647.11
Hempstead Lake	13474.1*	Max WS	28.08	28.08	0.00	0.00			549.88	2.42	622.52
Hempstead Lake	13454.9*	Max WS	28.08	28.08	0.00	0.00			547.69	4.14	596.06
Hempstead Lake	13435.72	Max WS	28.08	28.08	0.00	0.00			538.27	14.03	566.79
Hempstead Lake	13419.3*	Max WS	28.08	28.08	0.00	0.00			548.05	3.78	556.76
Hempstead Lake	13403.0*	Max WS	28.08	28.08	0.00	0.00			549.70	2.13	546.56
Hempstead Lake	13386.6*	Max WS	28.08	28.08	0.00	0.00			551.37	0.91	537.71
Hempstead Lake	13370.3*	Max WS	28.08	28.08	0.00	0.00			552.06	0.22	530.52
Hempstead Lake	13354.*	Max WS	28.08	28.08	0.00	0.00			552.27	0.01	542.57
Hempstead Lake	13337.6*	Max WS	28.08	28.08	0.00	0.00			552.27		555.48
Hempstead Lake	13321.3*	Max WS	28.08	28.08	0.00	0.00			552.27		643.81
Hempstead Lake	13304.9*	Max WS	28.08	28.08	0.00	0.00			552.26		647.41
Hempstead Lake	13288.6*	Max WS	28.08	28.08	0.00	0.00			552.26		633.81
Hempstead Lake	13272.29	Max WS	28.08	28.08	0.00	0.00			552.25		629.12
Hempstead Lake	13255.0*	Max WS	28.08	28.08	0.00	0.00			552.25		643.19
Hempstead Lake	13237.8*	Max WS	28.08	28.08	0.00	0.00			551.83		657.89
Hempstead Lake	13220.5*	Max WS	28.08	28.08	0.00	0.00			552.24		673.41
Hempstead Lake	13203.3*	Max WS	28.08	28.08	0.00	0.00			552.23		693.10
Hempstead Lake	13186.0*	Max WS	28.08	28.08	0.00	0.00			552.23		712.28
Hempstead Lake	13168.8*	Max WS	28.08	28.08	0.00	0.00			552.22		731.55
Hempstead Lake	13151.6*	Max WS	28.08	28.08	0.00	0.00			552.22		750.68
Hempstead Lake	13134.3*	Max WS	28.08	28.08	0.00	0.00			552.21		766.64
Hempstead Lake	13117.1*	Max WS	28.08	28.08	0.00	0.00			552.21		782.72
Hempstead Lake	13099.8*	Max WS	28.08	28.08	0.00	0.00			552.20		798.93
Hempstead Lake	13082.6*	Max WS	28.08	28.08	0.00	0.00			552.19		815.33
Hempstead Lake	13065.3*	Max WS	28.08	28.08	0.00	0.00			552.19		831.99
Hempstead Lake	13048.1*	Max WS	28.08	28.08	0.00	0.00			551.85		848.77
Hempstead Lake	13030.9*	Max WS	28.08	28.08	0.00	0.00			552.18		865.79
Hempstead Lake	13013.6*	Max WS	28.08	28.08	0.00	0.00			552.17		883.02
Hempstead Lake	12996.4*	Max WS	28.08	28.08	0.00	0.00			552.17		900.48
Hempstead Lake	12979.1*	Max WS	28.08	28.08	0.00	0.00			552.16		925.11
Hempstead Lake	12961.9*	Max WS	28.08	28.08	0.00	0.00			552.15		947.23
Hempstead Lake	12944.7*	Max WS	28.08	28.08	0.00	0.00			552.14		970.18
Hempstead Lake	12927.4*	Max WS	28.08	28.08	0.00	0.00			552.14		992.67
Hempstead Lake	12910.2*	Max WS	28.08	28.08	0.00	0.00			552.13		1013.95
Hempstead Lake	12892.97	Max WS	28.08	28.08	0.00	0.00			552.12		1031.09
Hempstead Lake	12881.0*	Max WS	28.08	28.08	0.00	0.00			643.63		1031.13
Hempstead Lake	12869.1*	Max WS	28.08	28.08	0.00	0.00			643.62		1031.26
Hempstead Lake	12857.1*	Max WS	28.08	28.08	0.00	0.00			643.62		1031.47
Hempstead Lake	12845.2*	Max WS	28.08	28.08	0.00	0.00			643.61		1031.33
Hempstead Lake	12833.3*	Max WS	28.08	28.08	0.00	0.00			643.61		1031.18

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	28.08	28.08	0.00	0.00			643.60		1031.08
Hempstead Lake	12809.4*	Max WS	28.08	28.08	0.00	0.00			643.59		1031.21
Hempstead Lake	12797.5*	Max WS	28.08	28.08	0.00	0.00			643.59		1030.89
Hempstead Lake	12785.6*	Max WS	28.08	28.08	0.00	0.00			643.27		1030.63
Hempstead Lake	12773.7*	Max WS	28.08	28.08	0.00	0.00			643.58		1029.70
Hempstead Lake	12761.7*	Max WS	28.08	28.08	0.00	0.00			643.57		1028.09
Hempstead Lake	12749.8*	Max WS	28.08	28.08	0.00	0.00			643.57		1026.19
Hempstead Lake	12737.9*	Max WS	28.08	28.08	0.00	0.00			643.56		1023.83
Hempstead Lake	12726.0*	Max WS	28.08	28.08	0.00	0.00			643.55		1021.41
Hempstead Lake	12714.0*	Max WS	28.08	28.08	0.00	0.00			643.28		1018.69
Hempstead Lake	12702.1*	Max WS	28.08	28.08	0.00	0.00			643.54		1016.25
Hempstead Lake	12690.2*	Max WS	28.08	28.08	0.00	0.00			643.54		1013.56
Hempstead Lake	12678.3*	Max WS	28.08	28.08	0.00	0.00			643.28		1010.46
Hempstead Lake	12666.3*	Max WS	28.08	28.08	0.00	0.00			643.53		1007.45
Hempstead Lake	12654.4*	Max WS	28.08	28.08	0.00	0.00			643.52		1004.49
Hempstead Lake	12642.5*	Max WS	28.08	28.08	0.00	0.00			643.52		1000.79
Hempstead Lake	12630.6*	Max WS	28.08	28.08	0.00	0.00			643.51		997.17
Hempstead Lake	12618.6*	Max WS	28.08	28.08	0.00	0.00			643.51		993.33
Hempstead Lake	12606.7*	Max WS	28.08	28.08	0.00	0.00			643.50		988.56
Hempstead Lake	12594.8*	Max WS	28.08	28.08	0.00	0.00			643.50		983.98
Hempstead Lake	12582.9*	Max WS	28.08	28.08	0.00	0.00			643.49		978.77
Hempstead Lake	12570.9*	Max WS	28.08	28.08	0.00	0.00		0.00	643.48		972.52
Hempstead Lake	12559.0*	Max WS	28.08	28.08	0.00	0.00		0.00	643.48		963.63
Hempstead Lake	12547.1*	Max WS	28.08	28.08	0.00	0.00		0.00	643.29		951.74
Hempstead Lake	12535.2*	Max WS	28.08	28.08	0.00	0.00		0.00	643.47		902.96
Hempstead Lake	12523.27	Max WS	28.08	28.08	0.00	0.00		0.01	643.46		901.42
Hempstead Lake	12515.8*	Max WS	28.08	28.08	0.00	0.00		0.02	661.95		950.99
Hempstead Lake	12508.3*	Max WS	28.08	28.08	0.00	0.00		0.02	661.95		959.67
Hempstead Lake	12500.9*	Max WS	28.08	28.08	0.00	0.00		0.02	661.95		961.71
Hempstead Lake	12493.4*	Max WS	28.08	28.08	0.00	0.00		0.02	661.94		958.21
Hempstead Lake	12486.0*	Max WS	28.08	28.08	0.00	0.00		0.02	661.77		954.02
Hempstead Lake	12478.5*	Max WS	28.08	28.08	0.00	0.00		0.02	661.94		949.29
Hempstead Lake	12471.1*	Max WS	28.08	28.08	0.00	0.00		0.02	661.93		944.22
Hempstead Lake	12463.7*	Max WS	28.08	28.08	0.00	0.00		0.02	661.93		939.01
Hempstead Lake	12456.2*	Max WS	28.08	28.08	0.00	0.00		0.01	661.93		933.77
Hempstead Lake	12448.8*	Max WS	28.08	28.08	0.00	0.00		0.01	661.93		928.26
Hempstead Lake	12441.3*	Max WS	28.08	28.08	0.00	0.00		0.01	661.92		922.74
Hempstead Lake	12433.9*	Max WS	28.08	28.08	0.00	0.00		0.01	661.92		917.13
Hempstead Lake	12426.4*	Max WS	28.08	28.08	0.00	0.00		0.01	661.92		911.57
Hempstead Lake	12419.0*	Max WS	28.08	28.08	0.00	0.00		0.01	661.92		905.86
Hempstead Lake	12411.5*	Max WS	28.08	28.08	0.00	0.00		0.01	661.91		900.19
Hempstead Lake	12404.1*	Max WS	28.08	28.08	0.00	0.00		0.01	661.91		894.48
Hempstead Lake	12396.6*	Max WS	28.08	28.08	0.00	0.00		0.01	661.78		888.77
Hempstead Lake	12389.2*	Max WS	28.08	28.08	0.00	0.00		0.01	661.91		883.02
Hempstead Lake	12381.8*	Max WS	28.08	28.08	0.00	0.00		0.01	661.90		877.24
Hempstead Lake	12374.3*	Max WS	28.08	28.08	0.00	0.00		0.01	661.90		871.47
Hempstead Lake	12366.9*	Max WS	28.08	28.08	0.00	0.00		0.01	661.90		865.71
Hempstead Lake	12359.46	Max WS	28.08	28.08	0.00	0.00		0.00	661.90		859.92
Hempstead Lake	12350.7*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		848.19
Hempstead Lake	12342.0*	Max WS	28.08	28.08	0.00	0.00		0.01	674.25		836.51
Hempstead Lake	12333.3*	Max WS	28.08	28.08	0.00	0.00		0.01	674.25		824.78
Hempstead Lake	12324.7*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		813.06
Hempstead Lake	12316.0*	Max WS	28.08	28.08	0.00	0.00		0.01	674.25		801.32
Hempstead Lake	12307.3*	Max WS	28.08	28.08	0.00	0.00		0.01	674.24		789.58
Hempstead Lake	12298.6*	Max WS	28.08	28.08	0.00	0.00		0.01	674.24		777.89
Hempstead Lake	12289.9*	Max WS	28.08	28.08	0.00	0.00		0.01	674.23		766.15
Hempstead Lake	12281.2*	Max WS	28.08	28.08	0.00	0.00		0.01	674.23		754.45
Hempstead Lake	12272.5*	Max WS	28.08	28.08	0.00	0.00		0.01	674.23		742.70
Hempstead Lake	12263.8*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		731.01
Hempstead Lake	12255.1*	Max WS	28.08	28.08	0.00	0.00		0.01	674.22		719.29
Hempstead Lake	12246.4*	Max WS	28.08	28.08	0.00	0.00		0.01	674.22		707.61
Hempstead Lake	12237.7*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		695.92
Hempstead Lake	12229.1*	Max WS	28.08	28.08	0.00	0.00		0.01	674.21		684.13
Hempstead Lake	12220.4*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		671.10
Hempstead Lake	12211.7*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		658.19
Hempstead Lake	12203.0*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		645.30
Hempstead Lake	12194.3*	Max WS	28.08	28.08	0.00	0.00		0.01	674.20		632.45
Hempstead Lake	12185.6*	Max WS	28.08	28.08	0.00	0.00		0.01	674.19		619.68
Hempstead Lake	12176.9*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		606.93
Hempstead Lake	12168.2*	Max WS	28.08	28.08	0.00	0.00		0.01	674.18		594.21
Hempstead Lake	12159.5*	Max WS	28.08	28.08	0.00	0.00		0.01	674.14		581.54
Hempstead Lake	12150.8*	Max WS	28.08	28.07	0.00	0.00		0.02	674.18		568.92

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	28.08	28.07	0.00	0.00		0.01	674.17		556.37
Hempstead Lake	12133.5*	Max WS	28.08	28.07	0.00	0.00		0.02	674.17		543.75
Hempstead Lake	12124.8*	Max WS	28.08	28.07	0.00	0.00		0.02	674.14		530.07
Hempstead Lake	12116.1*	Max WS	28.08	28.07	0.00	0.00		0.02	674.16		515.64
Hempstead Lake	12107.4*	Max WS	28.08	28.07	0.00	0.00		0.02	674.13		501.58
Hempstead Lake	12098.7*	Max WS	28.08	28.07	0.00	0.00		0.02	674.15		488.30
Hempstead Lake	12090.0*	Max WS	28.07	28.07	0.00	0.00		0.02	674.13		475.62
Hempstead Lake	12081.3*	Max WS	28.07	28.07	0.00	0.00		0.03	674.14		463.43
Hempstead Lake	12072.6*	Max WS	28.07	28.07	0.00	0.00		0.03	674.12		451.67
Hempstead Lake	12063.9*	Max WS	28.07	28.07	0.00	0.00		0.03	674.13		440.24
Hempstead Lake	12055.2*	Max WS	28.07	28.07	0.00	0.00		0.04	674.12		429.15
Hempstead Lake	12046.5*	Max WS	28.07	28.07	0.00	0.00		0.04	674.11		418.64
Hempstead Lake	12037.9*	Max WS	28.07	28.07	0.01	0.00		0.05	674.10		408.59
Hempstead Lake	12029.2*	Max WS	28.07	28.07	0.01	0.00		0.06	674.09		399.04
Hempstead Lake	12020.5*	Max WS	28.07	28.06	0.01	0.00		0.09	674.06		390.45
Hempstead Lake	12011.8*	Max WS	28.07	28.06	0.01	0.00		0.12	674.04		383.02
Hempstead Lake	12003.1*	Max WS	28.07	28.06	0.01	0.00		0.16	673.99		378.15
Hempstead Lake	11994.45	Max WS	28.07	28.05	0.01	0.00			683.38		377.35
Hempstead Lake	11989.45	Max WS	28.09	27.97	0.12				683.38		324.61
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	27.92	27.70	0.22	0.00			683.37		160.63
Hempstead Lake	11964.45	Max WS	27.91	27.82	0.09	0.00			683.38		226.08
Hempstead Lake	11954.6*	Max WS	27.90	27.81	0.09	0.00			683.38		218.47
Hempstead Lake	11944.8*	Max WS	27.90	27.79	0.11	0.01			683.38		210.59
Hempstead Lake	11934.9*	Max WS	27.89	27.77	0.12	0.01			683.38		202.46
Hempstead Lake	11925.1*	Max WS	27.88	27.75	0.13	0.01			683.37		194.17
Hempstead Lake	11915.3*	Max WS	27.87	27.73	0.15	0.01			683.38		174.45
Hempstead Lake	11905.5*	Max WS	27.86	27.70	0.16	0.01			683.38		126.75
Hempstead Lake	11895.6*	Max WS	27.85	27.67	0.17	0.01			683.37		73.80
Hempstead Lake	11885.8*	Max WS	27.83	27.66	0.18	0.01			683.37		58.17
Hempstead Lake	11876.0*	Max WS	27.82	27.65	0.17	0.01			683.38		42.51
Hempstead Lake	11866.2*	Max WS	27.82	27.65	0.17	0.01			683.38		41.69
Hempstead Lake	11856.4*	Max WS	27.81	27.65	0.16	0.01			683.38		41.08
Hempstead Lake	11846.5*	Max WS	27.80	27.65	0.15	0.01			683.38		40.68
Hempstead Lake	11836.7*	Max WS	27.80	27.65	0.15	0.00			683.38		40.44
Hempstead Lake	11826.9*	Max WS	27.79	27.65	0.14	0.00			683.37		40.32
Hempstead Lake	11817.1*	Max WS	27.79	27.65	0.13	0.00			683.37		40.32
Hempstead Lake	11807.2*	Max WS	27.78	27.66	0.13	0.00			683.37		40.41
Hempstead Lake	11797.46	Max WS	27.78	27.66	0.12	0.00			683.37		40.56
Hempstead Lake	11792.46	Max WS	27.78	27.69	0.09				683.37		49.43
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	27.36	27.25	0.11	0.00			683.37		41.77
Hempstead Lake	11627.46	Max WS	27.35	27.24	0.11	0.00			683.37		44.04
Hempstead Lake	11623.2*	Max WS	27.35	27.22	0.13	0.00			683.37		43.49
Hempstead Lake	11619.1*	Max WS	27.35	27.23	0.12	0.00			683.37		48.43
Hempstead Lake	11614.94	Max WS	27.35	27.26	0.09	0.00			683.37		53.82
Hempstead Lake	11612.94	Max WS	27.35	27.22	0.13				683.37		55.21
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	25.24	25.24	0.00	0.00			45.14		44.96
Hempstead Lake	11598.94	Max WS	25.24	25.24	0.00	0.00			45.45		44.65
Hempstead Lake	11573.9*	Max WS	25.24	25.24	0.00	0.00			46.90		69.09
Hempstead Lake	11548.9*	Max WS	25.24	25.24	0.00	0.00			47.23		93.57
Hempstead Lake	11523.9*	Max WS	25.24	25.24	0.00	0.00			48.07		118.17
Hempstead Lake	11498.9*	Max WS	25.24	25.24	0.00	0.00			48.91		142.87
Hempstead Lake	11473.9*	Max WS	25.24	25.24	0.00	0.00			48.24		167.66
Hempstead Lake	11448.9*	Max WS	25.24	25.24	0.00	0.00			48.74		192.60
Hempstead Lake	11423.9*	Max WS	25.24	25.24	0.00	0.00			50.11		217.70
Hempstead Lake	11398.9*	Max WS	25.24	25.24	0.00	0.00			50.28		243.01
Hempstead Lake	11373.9*	Max WS	25.24	25.24	0.00	0.00			50.46		268.17
Hempstead Lake	11349.*	Max WS	25.24	25.24	0.00	0.00			50.46		292.47
Hempstead Lake	11324.*	Max WS	25.24	25.24	0.00	0.00			49.77		321.68
Hempstead Lake	11299.0*	Max WS	25.24	25.24	0.00	0.00			49.94		367.90
Hempstead Lake	11274.0*	Max WS	25.24	25.24	0.00	0.00			49.26		409.16
Hempstead Lake	11249.0*	Max WS	25.24	25.24	0.00	0.00		0.42	49.86		811.72
Hempstead Lake	11224.0*	Max WS	25.24	25.24	0.00	0.00		3.33	45.92		965.03
Hempstead Lake	11199.0*	Max WS	25.24	25.24	0.00	0.00		8.14	41.80		1198.71
Hempstead Lake	11174.0*	Max WS	25.24	25.24	0.00	0.00		14.34	35.26		1277.28
Hempstead Lake	11149.0*	Max WS	25.24	25.24	0.00	0.00		20.75	29.36		1353.69
Hempstead Lake	11124.0*	Max WS	25.24	25.24	0.00	0.00		25.97	24.31		1428.01
Hempstead Lake	11099.0*	Max WS	25.24	25.24	0.00	0.00		30.43	20.19		1501.20
Hempstead Lake	11074.0*	Max WS	25.24	25.24	0.00	0.00		34.25	16.36		1570.50
Hempstead Lake	11049.07	Max WS	25.24	25.24	0.00	0.00		26.25	24.02		1638.82

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	25.24	25.24	0.00	0.00		34.58	15.36		1619.52
Hempstead Lake	11027.7*	Max WS	25.24	25.24	0.00	0.00		33.23	17.22		1600.35
Hempstead Lake	11017.0*	Max WS	25.24	25.24	0.00	0.00		30.20	19.06		1581.12
Hempstead Lake	11006.4*	Max WS	25.24	25.24	0.00	0.00		28.27	22.00		1561.86
Hempstead Lake	10995.7*	Max WS	25.24	25.24	0.00	0.00		25.68	24.25		1542.67
Hempstead Lake	10985.0*	Max WS	25.24	25.24	0.00	0.00		22.87	27.57		1523.69
Hempstead Lake	10974.4*	Max WS	25.24	25.24	0.00	0.00		19.82	30.29		1504.56
Hempstead Lake	10963.7*	Max WS	25.24	25.24	0.00	0.00		16.03	32.89		1485.33
Hempstead Lake	10953.1*	Max WS	25.24	25.24	0.00	0.00		12.97	37.13		1466.34
Hempstead Lake	10942.4*	Max WS	25.24	25.24	0.00	0.00		9.75	40.01		1447.31
Hempstead Lake	10931.7*	Max WS	25.24	25.24	0.00	0.00		6.53	42.56		1427.84
Hempstead Lake	10921.1*	Max WS	25.24	25.24	0.00	0.00		3.97	46.47		1408.10
Hempstead Lake	10910.4*	Max WS	25.24	25.24	0.00	0.00		2.45	47.81		1233.76
Hempstead Lake	10899.7*	Max WS	25.24	25.24	0.00	0.00		1.00	48.93		1202.07
Hempstead Lake	10889.1*	Max WS	25.24	25.24	0.00	0.00		0.25	49.68		1117.55
Hempstead Lake	10878.4*	Max WS	25.24	25.24	0.00	0.00		0.01	49.92		917.86
Hempstead Lake	10867.8*	Max WS	25.24	25.24	0.00	0.00			50.09		746.26
Hempstead Lake	10857.1*	Max WS	25.24	25.24	0.00	0.00			49.08		716.98
Hempstead Lake	10846.4*	Max WS	25.24	25.24	0.00	0.00			49.42		713.67
Hempstead Lake	10835.8*	Max WS	25.24	25.24	0.00	0.00			49.42		711.39
Hempstead Lake	10825.1*	Max WS	25.24	25.24	0.00	0.00			49.76		708.20
Hempstead Lake	10814.4*	Max WS	25.24	25.24	0.00	0.00			50.09		703.78
Hempstead Lake	10803.8*	Max WS	25.24	25.24	0.00	0.00			49.42		700.30
Hempstead Lake	10793.1*	Max WS	25.24	25.24	0.00	0.00			49.59		697.49
Hempstead Lake	10782.4*	Max WS	25.24	25.24	0.00	0.00			49.59		695.06
Hempstead Lake	10771.8*	Max WS	25.24	25.24	0.00	0.00			50.09		693.40
Hempstead Lake	10761.1*	Max WS	25.24	25.24	0.00	0.00			49.09		692.09
Hempstead Lake	10750.5*	Max WS	25.24	25.24	0.00	0.00			49.25		691.46
Hempstead Lake	10739.8*	Max WS	25.24	25.24	0.00	0.00			49.59		691.93
Hempstead Lake	10729.1*	Max WS	25.24	25.24	0.00	0.00			49.75		692.91
Hempstead Lake	10718.5*	Max WS	25.24	25.24	0.00	0.00			50.09		693.91
Hempstead Lake	10707.8*	Max WS	25.24	25.24	0.00	0.00			49.42		695.38
Hempstead Lake	10697.1*	Max WS	25.24	25.24	0.00	0.00			49.59		696.96
Hempstead Lake	10686.5*	Max WS	25.24	25.24	0.00	0.00			49.75		698.83
Hempstead Lake	10675.8*	Max WS	25.24	25.24	0.00	0.00			49.75		700.73
Hempstead Lake	10665.2*	Max WS	25.24	25.24	0.00	0.00			48.92		702.80
Hempstead Lake	10654.5*	Max WS	25.24	25.24	0.00	0.00			49.59		705.23
Hempstead Lake	10643.8*	Max WS	25.24	25.24	0.00	0.00			49.59		707.62
Hempstead Lake	10633.2*	Max WS	25.24	25.24	0.00	0.00			49.58		710.11
Hempstead Lake	10622.5*	Max WS	25.24	25.24	0.00	0.00			49.92		712.82
Hempstead Lake	10611.8*	Max WS	25.24	25.24	0.00	0.00			49.08		715.63
Hempstead Lake	10601.2*	Max WS	25.24	25.24	0.00	0.00			49.08		718.57
Hempstead Lake	10590.5*	Max WS	25.24	25.24	0.00	0.00			49.25		721.57
Hempstead Lake	10579.8*	Max WS	25.24	25.24	0.00	0.00			49.42		724.60
Hempstead Lake	10569.23	Max WS	25.24	25.24	0.00	0.00			49.58		727.80
Hempstead Lake	10549.1*	Max WS	25.24	25.24	0.00	0.00			49.75		729.27
Hempstead Lake	10529.0*	Max WS	25.24	25.24	0.00	0.00			49.91		730.97
Hempstead Lake	10508.9*	Max WS	25.24	25.24	0.00	0.00			49.74		732.65
Hempstead Lake	10488.7*	Max WS	25.24	25.24	0.00	0.00			49.08		734.66
Hempstead Lake	10468.6*	Max WS	25.24	25.24	0.00	0.00			49.25		736.95
Hempstead Lake	10448.5*	Max WS	25.24	25.24	0.00	0.00			49.41		739.48
Hempstead Lake	10428.4*	Max WS	25.24	25.24	0.00	0.00			49.57		742.18
Hempstead Lake	10408.3*	Max WS	25.24	25.24	0.00	0.00			49.74		745.20
Hempstead Lake	10388.2*	Max WS	25.24	25.24	0.00	0.00			49.74		748.46
Hempstead Lake	10368.1*	Max WS	25.24	25.24	0.00	0.00			49.57		752.06
Hempstead Lake	10348.0*	Max WS	25.24	25.24	0.00	0.00			49.08		755.81
Hempstead Lake	10327.9*	Max WS	25.24	25.24	0.00	0.00			49.74		760.20
Hempstead Lake	10307.8*	Max WS	25.24	25.24	0.00	0.00			49.08		764.88
Hempstead Lake	10287.7*	Max WS	25.24	25.24	0.00	0.00			49.24		770.06
Hempstead Lake	10267.6*	Max WS	25.24	25.24	0.00	0.00			49.57		776.69
Hempstead Lake	10247.4*	Max WS	25.24	25.24	0.00	0.00			49.41		783.95
Hempstead Lake	10227.3*	Max WS	25.24	25.24	0.00	0.00			49.57		791.91
Hempstead Lake	10207.2*	Max WS	25.24	25.24	0.00	0.00			49.41		800.73
Hempstead Lake	10187.1*	Max WS	25.24	25.24	0.00	0.00			49.57		810.38
Hempstead Lake	10167.0*	Max WS	25.24	25.24	0.00	0.00			49.73		818.90
Hempstead Lake	10146.9*	Max WS	25.24	25.24	0.00	0.00			49.73		819.94
Hempstead Lake	10126.8*	Max WS	25.24	25.24	0.00	0.00			49.73		820.90
Hempstead Lake	10106.7*	Max WS	25.24	25.24	0.00	0.00			49.57		821.76
Hempstead Lake	10086.6*	Max WS	25.24	25.24	0.00	0.00			49.56		822.52
Hempstead Lake	10066.5*	Max WS	25.24	25.24	0.00	0.00			49.56		823.38
Hempstead Lake	10046.4*	Max WS	25.24	25.24	0.00	0.00			49.72		824.09
Hempstead Lake	10026.2*	Max WS	25.24	25.24	0.00	0.00			49.72		824.78

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	25.24	25.24	0.00	0.00			49.56		825.42
Hempstead Lake	9986.073	Max WS	25.24	25.24	0.00	0.00			49.72		826.16
Hempstead Lake	9965.77*	Max WS	25.24	25.24	0.00	0.00			49.40		824.87
Hempstead Lake	9945.47*	Max WS	25.24	25.24	0.00	0.00			49.25		823.68
Hempstead Lake	9925.18*	Max WS	25.24	25.24	0.00	0.00			49.88		822.54
Hempstead Lake	9904.88*	Max WS	25.24	25.24	0.00	0.00			49.88		821.70
Hempstead Lake	9884.59*	Max WS	25.24	25.24	0.00	0.00			49.72		820.93
Hempstead Lake	9864.29*	Max WS	25.24	25.24	0.00	0.00			49.87		820.48
Hempstead Lake	9843.99*	Max WS	25.24	25.24	0.00	0.00			50.03		820.00
Hempstead Lake	9823.7*	Max WS	25.24	25.24	0.00	0.00			49.56		819.99
Hempstead Lake	9803.40*	Max WS	25.24	25.24	0.00	0.00			49.56		820.00
Hempstead Lake	9783.10*	Max WS	25.24	25.24	0.00	0.00			49.71		820.26
Hempstead Lake	9762.81*	Max WS	25.24	25.24	0.00	0.00			49.40		820.37
Hempstead Lake	9742.51*	Max WS	25.24	25.24	0.00	0.00			50.03		818.62
Hempstead Lake	9722.21*	Max WS	25.24	25.24	0.00	0.00			49.87		816.83
Hempstead Lake	9701.92*	Max WS	25.24	25.24	0.00	0.00			49.87		814.83
Hempstead Lake	9681.62*	Max WS	25.24	25.24	0.00	0.00			49.86		812.62
Hempstead Lake	9661.32*	Max WS	25.24	25.24	0.00	0.00			49.71		810.37
Hempstead Lake	9641.03*	Max WS	25.24	25.24	0.00	0.00			49.55		807.95
Hempstead Lake	9620.73*	Max WS	25.24	25.24	0.00	0.00			49.40		805.43
Hempstead Lake	9600.43*	Max WS	25.24	25.24	0.00	0.00			49.55		802.69
Hempstead Lake	9580.14*	Max WS	25.24	25.24	0.00	0.00			50.02		799.91
Hempstead Lake	9559.84*	Max WS	25.24	25.24	0.00	0.00			49.86		796.99
Hempstead Lake	9539.54*	Max WS	25.24	25.24	0.00	0.00			49.86		793.92
Hempstead Lake	9519.25*	Max WS	25.24	25.24	0.00	0.00			50.01		790.86
Hempstead Lake	9498.95*	Max WS	25.24	25.24	0.00	0.00			49.70		787.57
Hempstead Lake	9478.65*	Max WS	25.24	25.24	0.00	0.00			49.70		784.17
Hempstead Lake	9458.36*	Max WS	25.24	25.24	0.00	0.00			50.01		780.81
Hempstead Lake	9438.06*	Max WS	25.24	25.24	0.00	0.00			50.16		777.22
Hempstead Lake	9417.76*	Max WS	25.24	25.24	0.00	0.00			49.85		773.57
Hempstead Lake	9397.47*	Max WS	25.24	25.24	0.00	0.00			49.70		769.91
Hempstead Lake	9377.17*	Max WS	25.24	25.24	0.00	0.00			49.70		766.09
Hempstead Lake	9356.87*	Max WS	25.24	25.24	0.00	0.00			50.15		762.21
Hempstead Lake	9336.58*	Max WS	25.24	25.24	0.00	0.00			50.00		758.26
Hempstead Lake	9316.28*	Max WS	25.24	25.24	0.00	0.00			49.85		754.18
Hempstead Lake	9295.98*	Max WS	25.24	25.24	0.00	0.00			49.85		750.07
Hempstead Lake	9275.69*	Max WS	25.24	25.24	0.00	0.00			49.70		745.92
Hempstead Lake	9255.39*	Max WS	25.24	25.24	0.00	0.00			50.15		741.61
Hempstead Lake	9235.09*	Max WS	25.24	25.24	0.00	0.00			50.00		737.30
Hempstead Lake	9214.80*	Max WS	25.24	25.24	0.00	0.00			50.00		732.94
Hempstead Lake	9194.50*	Max WS	25.24	25.24	0.00	0.00			49.70		728.44
Hempstead Lake	9174.20*	Max WS	25.24	25.24	0.00	0.00			49.55		723.94
Hempstead Lake	9153.910	Max WS	25.24	25.24	0.00	0.00			49.99		719.51
Hempstead Lake	9133.22*	Max WS	25.24	25.24	0.00	0.00			51.84		722.34
Hempstead Lake	9112.54*	Max WS	25.24	25.24	0.00	0.00			51.99		725.25
Hempstead Lake	9091.85*	Max WS	25.24	25.24	0.00	0.00			51.70		728.08
Hempstead Lake	9071.17*	Max WS	25.24	25.24	0.00	0.00			51.56		730.88
Hempstead Lake	9050.49*	Max WS	25.24	25.24	0.00	0.00			51.84		733.51
Hempstead Lake	9029.80*	Max WS	25.24	25.24	0.00	0.00			51.98		736.12
Hempstead Lake	9009.12*	Max WS	25.24	25.24	0.00	0.00			51.84		738.62
Hempstead Lake	8988.44*	Max WS	25.24	25.24	0.00	0.00			51.84		741.10
Hempstead Lake	8967.75*	Max WS	25.24	25.24	0.00	0.00			51.98		743.39
Hempstead Lake	8947.07*	Max WS	25.24	25.24	0.00	0.00			52.12		745.65
Hempstead Lake	8926.39*	Max WS	25.24	25.24	0.00	0.00			51.98		747.77
Hempstead Lake	8905.70*	Max WS	25.24	25.24	0.00	0.00			52.12		749.90
Hempstead Lake	8885.02*	Max WS	25.24	25.24	0.00	0.00			52.12		751.85
Hempstead Lake	8864.33*	Max WS	25.24	25.24	0.00	0.00			51.97		753.68
Hempstead Lake	8843.65*	Max WS	25.24	25.24	0.00	0.00			51.97		755.51
Hempstead Lake	8822.97*	Max WS	25.24	25.24	0.00	0.00			51.83		757.12
Hempstead Lake	8802.28*	Max WS	25.24	25.24	0.00	0.00			52.11		758.67
Hempstead Lake	8781.60*	Max WS	25.24	25.24	0.00	0.00			51.97		760.14
Hempstead Lake	8760.92*	Max WS	25.24	25.24	0.00	0.00			51.97		761.45
Hempstead Lake	8740.23*	Max WS	25.24	25.24	0.00	0.00			51.97		762.44
Hempstead Lake	8719.55*	Max WS	25.24	25.24	0.00	0.00			51.84		762.87
Hempstead Lake	8698.86*	Max WS	25.24	25.24	0.00	0.00			51.97		763.34
Hempstead Lake	8678.18*	Max WS	25.24	25.24	0.00	0.00			51.83		761.49
Hempstead Lake	8657.50*	Max WS	25.24	25.24	0.00	0.00			52.10		758.65
Hempstead Lake	8636.81*	Max WS	25.24	25.24	0.00	0.00			52.10		754.60
Hempstead Lake	8616.13*	Max WS	25.24	25.24	0.00	0.00			51.83		749.48
Hempstead Lake	8595.45*	Max WS	25.24	25.24	0.00	0.00			52.23		748.29
Hempstead Lake	8574.76*	Max WS	25.24	25.24	0.00	0.00			52.10		746.80
Hempstead Lake	8554.08*	Max WS	25.24	25.24	0.00	0.00			52.09		745.28

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	25.24	25.24	0.00	0.00			51.83		743.21
Hempstead Lake	8512.71*	Max WS	25.24	25.24	0.00	0.00			52.23		740.41
Hempstead Lake	8492.03*	Max WS	25.24	25.24	0.00	0.00			52.09		738.05
Hempstead Lake	8471.34*	Max WS	25.24	25.24	0.00	0.00			51.96		735.70
Hempstead Lake	8450.66*	Max WS	25.24	25.24	0.00	0.00			52.22		733.65
Hempstead Lake	8429.980	Max WS	25.24	25.24	0.00	0.00			52.09		731.66
Hempstead Lake	8416.34*	Max WS	25.24	25.24	0.00	0.00			52.35		736.82
Hempstead Lake	8402.71*	Max WS	25.24	25.24	0.00	0.00			52.09		742.00
Hempstead Lake	8389.07*	Max WS	25.24	25.24	0.00	0.00			52.22		747.21
Hempstead Lake	8375.44*	Max WS	25.24	25.24	0.00	0.00			52.21		752.57
Hempstead Lake	8361.81*	Max WS	25.24	25.24	0.00	0.00			51.96		757.72
Hempstead Lake	8348.17*	Max WS	25.24	25.24	0.00	0.00			51.96		762.97
Hempstead Lake	8334.54*	Max WS	25.24	25.24	0.00	0.00			52.08		768.19
Hempstead Lake	8320.91*	Max WS	25.24	25.24	0.00	0.00			52.08		773.46
Hempstead Lake	8307.27*	Max WS	25.24	25.24	0.00	0.00			52.21		778.63
Hempstead Lake	8293.64*	Max WS	25.24	25.24	0.00	0.00			52.08		784.07
Hempstead Lake	8280.00*	Max WS	25.24	25.24	0.00	0.00			52.08		789.34
Hempstead Lake	8266.37*	Max WS	25.24	25.24	0.00	0.00			52.21		794.54
Hempstead Lake	8252.74*	Max WS	25.24	25.24	0.00	0.00			52.08		799.87
Hempstead Lake	8239.10*	Max WS	25.24	25.24	0.00	0.00			52.20		805.20
Hempstead Lake	8225.47*	Max WS	25.24	25.24	0.00	0.00			51.96		810.45
Hempstead Lake	8211.84*	Max WS	25.24	25.24	0.00	0.00			52.08		815.83
Hempstead Lake	8198.20*	Max WS	25.24	25.24	0.00	0.00			52.20		821.40
Hempstead Lake	8184.57*	Max WS	25.24	25.24	0.00	0.00			52.07		826.70
Hempstead Lake	8170.93*	Max WS	25.24	25.24	0.00	0.00			52.20		832.14
Hempstead Lake	8157.30*	Max WS	25.24	25.24	0.00	0.00			52.32		839.23
Hempstead Lake	8143.67*	Max WS	25.24	25.24	0.00	0.00			52.07		846.66
Hempstead Lake	8130.03*	Max WS	25.24	25.24	0.00	0.00			52.19		853.57
Hempstead Lake	8116.40*	Max WS	25.24	25.24	0.00	0.00			52.31		860.73
Hempstead Lake	8102.76*	Max WS	25.24	25.24	0.00	0.00			52.07		867.53
Hempstead Lake	8089.13*	Max WS	25.24	25.24	0.00	0.00			52.19		873.94
Hempstead Lake	8075.50*	Max WS	25.24	25.24	0.00	0.00			51.95		880.50
Hempstead Lake	8061.86*	Max WS	25.24	25.24	0.00	0.00			52.07		886.98
Hempstead Lake	8048.23*	Max WS	25.24	25.24	0.00	0.00			52.19		893.10
Hempstead Lake	8034.6*	Max WS	25.24	25.24	0.00	0.00			52.07		899.45
Hempstead Lake	8020.96*	Max WS	25.24	25.24	0.00	0.00			52.18		905.92
Hempstead Lake	8007.33*	Max WS	25.24	25.24	0.00	0.00			52.18		911.86
Hempstead Lake	7993.69*	Max WS	25.24	25.24	0.00	0.00			52.30		917.51
Hempstead Lake	7980.06*	Max WS	25.24	25.24	0.00	0.00			52.07		923.28
Hempstead Lake	7966.43*	Max WS	25.24	25.24	0.00	0.00			52.18		929.01
Hempstead Lake	7952.79*	Max WS	25.24	25.24	0.00	0.00			52.29		934.93
Hempstead Lake	7939.16*	Max WS	25.24	25.24	0.00	0.00			52.06		940.85
Hempstead Lake	7925.53*	Max WS	25.24	25.24	0.00	0.00			52.18		946.95
Hempstead Lake	7911.89*	Max WS	25.24	25.24	0.00	0.00			51.96		953.16
Hempstead Lake	7898.26*	Max WS	25.24	25.24	0.00	0.00			52.17		959.37
Hempstead Lake	7884.62*	Max WS	25.24	25.24	0.00	0.00			52.06		965.81
Hempstead Lake	7870.99*	Max WS	25.24	25.24	0.00	0.00			52.17		972.36
Hempstead Lake	7857.36*	Max WS	25.24	25.24	0.00	0.00			52.28		979.00
Hempstead Lake	7843.72*	Max WS	25.24	25.24	0.00	0.00			52.06		985.85
Hempstead Lake	7830.09*	Max WS	25.24	25.24	0.00	0.00			52.17		992.51
Hempstead Lake	7816.45*	Max WS	25.24	25.24	0.00	0.00			52.27		999.34
Hempstead Lake	7802.82*	Max WS	25.24	25.24	0.00	0.00			52.16		1006.16
Hempstead Lake	7789.19*	Max WS	25.24	25.24	0.00	0.00			52.06		1013.13
Hempstead Lake	7775.55*	Max WS	25.24	25.24	0.00	0.00			52.16		1018.29
Hempstead Lake	7761.92*	Max WS	25.24	25.24	0.00	0.00			52.26		1022.74
Hempstead Lake	7748.29*	Max WS	25.24	25.24	0.00	0.00			52.16		1026.19
Hempstead Lake	7734.65*	Max WS	25.24	25.24	0.00	0.00			52.26		1029.54
Hempstead Lake	7721.02*	Max WS	25.24	25.24	0.00	0.00			52.16		1032.87
Hempstead Lake	7707.38*	Max WS	25.24	25.24	0.00	0.00			52.16		1036.09
Hempstead Lake	7693.75*	Max WS	25.24	25.24	0.00	0.00			52.15		1039.32
Hempstead Lake	7680.12*	Max WS	25.24	25.24	0.00	0.00			52.06		1042.56
Hempstead Lake	7666.48*	Max WS	25.24	25.24	0.00	0.00			52.15		1045.77
Hempstead Lake	7652.85*	Max WS	25.24	25.24	0.00	0.00			52.15		1048.96
Hempstead Lake	7639.22*	Max WS	25.24	25.24	0.00	0.00		0.00	52.25		1052.00
Hempstead Lake	7625.58*	Max WS	25.24	25.24	0.00	0.00		0.00	52.06		1055.08
Hempstead Lake	7611.95*	Max WS	25.24	25.24	0.00	0.00		0.00	52.06		1058.17
Hempstead Lake	7598.31*	Max WS	25.24	25.24	0.00	0.00		0.00	52.24		1061.23
Hempstead Lake	7584.68*	Max WS	25.24	25.24	0.00	0.00		0.00	52.24		1064.30
Hempstead Lake	7571.05*	Max WS	25.24	25.24	0.00	0.00		0.00	52.24		1067.24
Hempstead Lake	7557.41*	Max WS	25.24	25.24	0.00	0.00		0.00	52.05		1070.29
Hempstead Lake	7543.783	Max WS	25.24	25.24	0.00	0.00		0.00	52.05		1073.33
Hempstead Lake	7530.03*	Max WS	25.24	25.24	0.00	0.00		0.00	54.14		1075.43

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	25.24	25.24	0.00	0.00		0.00	54.14		1077.59
Hempstead Lake	7502.53*	Max WS	25.24	25.24	0.00	0.00		0.00	54.14		1079.83
Hempstead Lake	7488.79*	Max WS	25.24	25.24	0.00	0.00		0.00	54.23		1082.06
Hempstead Lake	7475.04*	Max WS	25.24	25.24	0.00	0.00		0.00	54.14		1084.45
Hempstead Lake	7461.29*	Max WS	25.24	25.24	0.00	0.00		0.00	54.22		1086.79
Hempstead Lake	7447.54*	Max WS	25.24	25.24	0.00	0.00			54.14		1089.31
Hempstead Lake	7433.79*	Max WS	25.24	25.24	0.00	0.00			54.13		1091.90
Hempstead Lake	7420.04*	Max WS	25.24	25.24	0.00	0.00			54.05		1094.49
Hempstead Lake	7406.3*	Max WS	25.24	25.24	0.00	0.00			54.21		1097.35
Hempstead Lake	7392.55*	Max WS	25.24	25.24	0.00	0.00			54.05		1099.25
Hempstead Lake	7378.80*	Max WS	25.24	25.24	0.00	0.00			54.13		1100.62
Hempstead Lake	7365.05*	Max WS	25.24	25.24	0.00	0.00			54.12		1101.86
Hempstead Lake	7351.30*	Max WS	25.24	25.24	0.00	0.00			54.12		1102.98
Hempstead Lake	7337.55*	Max WS	25.24	25.24	0.00	0.00			54.05		1104.02
Hempstead Lake	7323.81*	Max WS	25.24	25.24	0.00	0.00			54.05		1105.03
Hempstead Lake	7310.06*	Max WS	25.24	25.24	0.00	0.00			54.12		1105.49
Hempstead Lake	7296.31*	Max WS	25.24	25.24	0.00	0.00			54.20		1106.45
Hempstead Lake	7282.56*	Max WS	25.24	25.24	0.00	0.00			54.20		1107.31
Hempstead Lake	7268.81*	Max WS	25.24	25.24	0.00	0.00			54.19		1107.66
Hempstead Lake	7255.06*	Max WS	25.24	25.24	0.00	0.00			54.19		1108.13
Hempstead Lake	7241.32*	Max WS	25.24	25.24	0.00	0.00			54.18		1108.74
Hempstead Lake	7227.57*	Max WS	25.24	25.24	0.00	0.00			54.18		1109.40
Hempstead Lake	7213.82*	Max WS	25.24	25.24	0.00	0.00			53.98		1110.14
Hempstead Lake	7200.07*	Max WS	25.24	25.24	0.00	0.00			54.04		1111.05
Hempstead Lake	7186.32*	Max WS	25.24	25.24	0.00	0.00			54.11		1111.91
Hempstead Lake	7172.57*	Max WS	25.24	25.24	0.00	0.00			54.11		1112.83
Hempstead Lake	7158.83*	Max WS	25.24	25.24	0.00	0.00			54.11		1113.90
Hempstead Lake	7145.08*	Max WS	25.24	25.24	0.00	0.00			54.18		1114.90
Hempstead Lake	7131.33*	Max WS	25.24	25.24	0.00	0.00			54.17		1115.98
Hempstead Lake	7117.58*	Max WS	25.24	25.24	0.00	0.00			54.17		1117.16
Hempstead Lake	7103.83*	Max WS	25.24	25.24	0.00	0.00			54.11		1118.27
Hempstead Lake	7090.08*	Max WS	25.24	25.24	0.00	0.00			54.04		1119.41
Hempstead Lake	7076.34*	Max WS	25.24	25.24	0.00	0.00			54.11		1120.67
Hempstead Lake	7062.59*	Max WS	25.24	25.24	0.00	0.00			54.10		1121.86
Hempstead Lake	7048.84*	Max WS	25.24	25.24	0.00	0.00			54.10		1123.08
Hempstead Lake	7035.09*	Max WS	25.24	25.24	0.00	0.00			54.16		1124.39
Hempstead Lake	7021.34*	Max WS	25.24	25.24	0.00	0.00			54.10		1125.62
Hempstead Lake	7007.6*	Max WS	25.24	25.24	0.00	0.00			54.16		1126.94
Hempstead Lake	6993.85*	Max WS	25.24	25.24	0.00	0.00			54.10		1128.30
Hempstead Lake	6980.10*	Max WS	25.24	25.24	0.00	0.00			54.04		1127.14
Hempstead Lake	6966.35*	Max WS	25.24	25.24	0.00	0.00			54.09		1123.86
Hempstead Lake	6952.60*	Max WS	25.24	25.24	0.00	0.00			54.05		1120.35
Hempstead Lake	6938.85*	Max WS	25.24	25.24	0.00	0.00			54.15		1116.92
Hempstead Lake	6925.11*	Max WS	25.24	25.24	0.00	0.00			54.14		1113.49
Hempstead Lake	6911.36*	Max WS	25.24	25.24	0.00	0.00			54.09	0.00	1110.05
Hempstead Lake	6897.61*	Max WS	25.24	25.24	0.00	0.00			54.09	0.00	1109.13
Hempstead Lake	6883.86*	Max WS	25.24	25.24	0.00	0.00			54.14	0.00	1110.50
Hempstead Lake	6870.11*	Max WS	25.24	25.24	0.00	0.00			54.09	0.00	1111.91
Hempstead Lake	6856.36*	Max WS	25.24	25.24	0.00	0.00			54.13	0.00	1113.21
Hempstead Lake	6842.62*	Max WS	25.24	25.24	0.00	0.00			54.13	0.00	1114.57
Hempstead Lake	6828.87*	Max WS	25.24	25.24	0.00	0.00			54.18	0.00	1115.93
Hempstead Lake	6815.12*	Max WS	25.24	25.24	0.00	0.00			54.17	0.00	1117.37
Hempstead Lake	6801.37*	Max WS	25.24	25.24	0.00	0.00			54.04	0.00	1117.89
Hempstead Lake	6787.62*	Max WS	25.24	25.24	0.00	0.00			54.08	0.00	1118.43
Hempstead Lake	6773.87*	Max WS	25.24	25.24	0.00	0.00			54.08	0.00	1118.97
Hempstead Lake	6760.13*	Max WS	25.24	25.24	0.00	0.00			54.07	0.00	1119.52
Hempstead Lake	6746.38*	Max WS	25.24	25.24	0.00	0.00			54.12	0.01	1120.01
Hempstead Lake	6732.634	Max WS	25.24	25.24	0.00	0.00			54.06	0.02	1120.55
Hempstead Lake	6718.98*	Max WS	25.24	25.24	0.00	0.00			54.11	0.00	1118.62
Hempstead Lake	6705.33*	Max WS	25.24	25.24	0.00	0.00			54.11	0.00	1116.62
Hempstead Lake	6691.68*	Max WS	25.24	25.24	0.00	0.00			54.11	0.00	1114.56
Hempstead Lake	6678.03*	Max WS	25.24	25.24	0.00	0.00			54.11	0.00	1111.38
Hempstead Lake	6664.38*	Max WS	25.24	25.24	0.00	0.00			54.11	0.00	1108.39
Hempstead Lake	6650.72*	Max WS	25.24	25.24	0.00	0.00			54.08	0.00	1105.63
Hempstead Lake	6637.07*	Max WS	25.24	25.24	0.00	0.00			54.10	0.00	1103.04
Hempstead Lake	6623.42*	Max WS	25.24	25.24	0.00	0.00			54.10	0.00	1100.55
Hempstead Lake	6609.77*	Max WS	25.24	25.24	0.00	0.00			54.10	0.00	1098.19
Hempstead Lake	6596.12*	Max WS	25.24	25.24	0.00	0.00			54.13		1096.04
Hempstead Lake	6582.47*	Max WS	25.24	25.24	0.00	0.00			54.10		1093.97
Hempstead Lake	6568.82*	Max WS	25.24	25.24	0.00	0.00			54.13		1092.00
Hempstead Lake	6555.17*	Max WS	25.24	25.24	0.00	0.00			54.12		1090.03
Hempstead Lake	6541.52*	Max WS	25.24	25.24	0.00	0.00			54.07		1088.15

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	25.24	25.24	0.00	0.00			54.07		1086.32
Hempstead Lake	6514.22*	Max WS	25.24	25.24	0.00	0.00			54.05		1084.47
Hempstead Lake	6500.57*	Max WS	25.24	25.24	0.00	0.00			54.07		1082.65
Hempstead Lake	6486.91*	Max WS	25.24	25.24	0.00	0.00			54.06		1080.81
Hempstead Lake	6473.26*	Max WS	25.24	25.24	0.00	0.00			54.05		1078.95
Hempstead Lake	6459.61*	Max WS	25.24	25.24	0.00	0.00			54.08		1077.12
Hempstead Lake	6445.96*	Max WS	25.24	25.24	0.00	0.00			54.08		1075.25
Hempstead Lake	6432.31*	Max WS	25.24	25.24	0.00	0.00			54.06		1073.32
Hempstead Lake	6418.66*	Max WS	25.24	25.24	0.00	0.00			54.06		1071.32
Hempstead Lake	6405.01*	Max WS	25.24	25.24	0.00	0.00			54.08		1069.26
Hempstead Lake	6391.36*	Max WS	25.24	25.24	0.00	0.00			54.07		1067.02
Hempstead Lake	6377.71*	Max WS	25.24	25.24	0.00	0.00			54.07		1064.69
Hempstead Lake	6364.06*	Max WS	25.24	25.24	0.00	0.00			54.06		1062.14
Hempstead Lake	6350.41*	Max WS	25.24	25.24	0.00	0.00			54.07		1059.24
Hempstead Lake	6336.76*	Max WS	25.24	25.24	0.00	0.00			54.07		1056.09
Hempstead Lake	6323.11*	Max WS	25.24	25.24	0.00	0.00			54.06		1052.30
Hempstead Lake	6309.45*	Max WS	25.24	25.24	0.00	0.00			54.07		1047.60
Hempstead Lake	6295.80*	Max WS	25.24	25.24	0.00	0.00			54.06		1039.70
Hempstead Lake	6282.15*	Max WS	25.24	25.24	0.00	0.00			54.06		1029.53
Hempstead Lake	6268.507	Max WS	25.24	25.24	0.00	0.00			54.06		1020.05
Hempstead Lake	6259.72*	Max WS	25.24	25.24	0.00	0.00			54.06		1043.90
Hempstead Lake	6250.93*	Max WS	25.24	25.24	0.00	0.00			54.07		1055.62
Hempstead Lake	6242.14*	Max WS	25.24	25.24	0.00	0.00			54.06		1051.46
Hempstead Lake	6233.35*	Max WS	25.24	25.24	0.00	0.00			54.06		1039.64
Hempstead Lake	6224.57*	Max WS	25.24	25.24	0.00	0.00			54.05		1053.61
Hempstead Lake	6215.78*	Max WS	25.24	25.24	0.00	0.00			54.06		1088.51
Hempstead Lake	6206.99*	Max WS	25.24	25.24	0.00	0.00			54.05		1124.93
Hempstead Lake	6198.21*	Max WS	25.24	25.24	0.00	0.00			54.05		1162.31
Hempstead Lake	6189.42*	Max WS	25.24	25.24	0.00	0.00			54.05		1200.44
Hempstead Lake	6180.638	Max WS	25.24	25.24	0.00	0.00			54.05		1239.07
Hempstead Lake	6177.638	Max WS	25.24	25.24	0.00				54.05		1237.15
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	13.76	13.74	0.03	0.00			37.35		10.00
Hempstead Lake	5930.638	Max WS	13.76	13.73	0.03	0.00			37.27		10.00
Hempstead Lake	5880.638	Max WS	13.75	13.72	0.03	0.00			37.20		10.00
Hempstead Lake	5830.638	Max WS	13.74	13.72	0.03	0.00			37.14		10.00
Hempstead Lake	5780.638	Max WS	13.74	13.71	0.03	0.00			37.05		10.00
Hempstead Lake	5730.638	Max WS	13.73	13.71	0.03	0.00			36.98		10.00
Hempstead Lake	5680.638	Max WS	13.73	13.70	0.03	0.00			36.93		10.00
Hempstead Lake	5630.638	Max WS	13.72	13.70	0.03	0.00			36.90		10.00
Hempstead Lake	5580.638	Max WS	13.72	13.69	0.03	0.00			36.84		10.00
Hempstead Lake	5530.638	Max WS	13.71	13.69	0.03	0.00			36.79		10.00
Hempstead Lake	5480.638	Max WS	13.71	13.68	0.03	0.01			36.73		10.00
Hempstead Lake	5430.638	Max WS	13.68	13.67	0.01	0.02			36.59		
Hempstead Lake	5380.638	Max WS	13.65	13.64	0.01	0.02			36.30		
Hempstead Lake	5330.638	Max WS	13.62	13.61	0.01	0.01			35.97		
Hempstead Lake	5307.48*	Max WS	13.60	13.59	0.01	0.01			35.86		10.00
Hempstead Lake	5284.32*	Max WS	13.59	13.59	0.01	0.01			35.78		9.00
Hempstead Lake	5261.17*	Max WS	13.58	13.57	0.01	0.01			35.68		8.00
Hempstead Lake	5238.01*	Max WS	13.57	13.56	0.01	0.03			35.57		7.00
Hempstead Lake	5214.85*	Max WS	13.56	13.55	0.02	0.01			35.50		33.25
Hempstead Lake	5191.70*	Max WS	13.54	13.54	0.00	0.00			35.46		180.82
Hempstead Lake	5168.54*	Max WS	13.54	13.54	0.00	0.00			35.44		296.67
Hempstead Lake	5145.39*	Max WS	13.54	13.54	0.00	0.00			35.44		318.41
Hempstead Lake	5122.23*	Max WS	13.54	13.54	0.00	0.00			35.44		332.01
Hempstead Lake	5099.07*	Max WS	13.54	13.54	0.00	0.00			35.42		339.80
Hempstead Lake	5075.922	Max WS	13.54	13.54	0.00	0.00			35.44		344.81
Hempstead Lake	5055.96*	Max WS	13.54	13.54	0.00	0.00			35.44		346.83
Hempstead Lake	5036.01*	Max WS	13.54	13.54	0.00	0.00			35.41		360.44
Hempstead Lake	5016.05*	Max WS	13.54	13.54	0.00	0.00			35.44		394.03
Hempstead Lake	4996.10*	Max WS	13.54	13.54	0.00	0.00			35.41		500.87
Hempstead Lake	4976.14*	Max WS	13.54	13.54	0.00	0.00			35.43		565.70
Hempstead Lake	4956.192	Max WS	13.54	13.54	0.00	0.00			35.43		569.81
Hempstead Lake	4936.44*	Max WS	13.54	13.54	0.00	0.00			35.40		585.96
Hempstead Lake	4916.69*	Max WS	13.54	13.54	0.00	0.00			35.43		603.88
Hempstead Lake	4896.94*	Max WS	13.54	13.54	0.00	0.00			35.40		654.55
Hempstead Lake	4877.19*	Max WS	13.54	13.54	0.00	0.00			35.43		688.13
Hempstead Lake	4857.44*	Max WS	13.54	13.54	0.00	0.00			35.43		737.18
Hempstead Lake	4837.697	Max WS	13.54	13.54	0.00	0.00			35.43		776.27
Hempstead Lake	4817.64*	Max WS	13.54	13.54	0.00	0.00			113.44		775.13
Hempstead Lake	4797.59*	Max WS	13.54	13.54	0.00	0.00			113.32		773.83
Hempstead Lake	4777.53*	Max WS	13.54	13.54	0.00	0.00			113.32		772.79

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	13.54	13.54	0.00	0.00			113.42		771.68
Hempstead Lake	4737.42*	Max WS	13.54	13.54	0.00	0.00			113.42		770.78
Hempstead Lake	4717.37*	Max WS	13.54	13.54	0.00	0.00			113.41		771.72
Hempstead Lake	4697.32*	Max WS	13.54	13.54	0.00	0.00		0.00	113.32		773.43
Hempstead Lake	4677.26*	Max WS	13.54	13.54	0.00	0.00		0.01	113.40		775.86
Hempstead Lake	4657.21*	Max WS	13.54	13.54	0.00	0.00		0.02	113.29		778.99
Hempstead Lake	4637.16*	Max WS	13.54	13.54	0.00	0.00		0.06	113.33		782.99
Hempstead Lake	4617.10*	Max WS	13.54	13.54	0.00	0.00		0.13	113.18		788.34
Hempstead Lake	4597.05*	Max WS	13.54	13.54	0.00	0.00		0.24	113.07		791.17
Hempstead Lake	4577.*	Max WS	13.54	13.54	0.00	0.00		0.41	112.90		792.82
Hempstead Lake	4556.94*	Max WS	13.54	13.54	0.00	0.00		0.61	112.61		794.15
Hempstead Lake	4536.893	Max WS	13.54	13.54	0.00	0.00		0.60	112.77		795.26
Hempstead Lake	4516.70*	Max WS	13.54	13.54	0.00	0.00		1.20	117.38		794.36
Hempstead Lake	4496.51*	Max WS	13.54	13.54	0.00	0.00		1.28	117.29		794.22
Hempstead Lake	4476.32*	Max WS	13.54	13.54	0.00	0.00		1.33	117.25		795.10
Hempstead Lake	4456.14*	Max WS	13.54	13.54	0.00	0.00		1.40	117.10		797.02
Hempstead Lake	4435.95*	Max WS	13.54	13.54	0.00	0.00		1.48	117.08		800.31
Hempstead Lake	4415.76*	Max WS	13.54	13.54	0.00	0.00		1.53	117.04		807.66
Hempstead Lake	4395.57*	Max WS	13.54	13.54	0.00	0.00		1.61	116.95		811.48
Hempstead Lake	4375.38*	Max WS	13.54	13.54	0.00	0.00		1.64	116.92		816.08
Hempstead Lake	4355.20*	Max WS	13.54	13.54	0.00	0.00		1.71	116.85		818.91
Hempstead Lake	4335.01*	Max WS	13.54	13.54	0.00	0.00		1.78	116.83		819.76
Hempstead Lake	4314.82*	Max WS	13.54	13.54	0.00	0.00		1.80	116.76	0.00	820.52
Hempstead Lake	4294.63*	Max WS	13.54	13.54	0.00	0.00		1.86	116.74	0.00	821.22
Hempstead Lake	4274.44*	Max WS	13.54	13.54	0.00	0.00		1.86	116.68	0.01	821.22
Hempstead Lake	4254.26*	Max WS	13.54	13.54	0.00	0.00		1.92	116.61	0.02	821.12
Hempstead Lake	4234.07*	Max WS	13.54	13.54	0.00	0.00		1.98	116.53	0.05	820.86
Hempstead Lake	4213.88*	Max WS	13.54	13.54	0.00	0.00		1.97	116.50	0.08	820.48
Hempstead Lake	4193.69*	Max WS	13.54	13.54	0.00	0.00		2.03	116.40	0.12	819.98
Hempstead Lake	4173.50*	Max WS	13.54	13.54	0.00	0.00		2.02	116.35	0.17	819.36
Hempstead Lake	4153.320	Max WS	13.54	13.54	0.00	0.00		0.84	117.48	0.23	818.67
Hempstead Lake	4131.85*	Max WS	13.54	13.54	0.00	0.00		1.65	120.24	0.25	816.36
Hempstead Lake	4110.38*	Max WS	13.54	13.54	0.00	0.00		1.32	120.55	0.26	813.94
Hempstead Lake	4088.91*	Max WS	13.54	13.54	0.00	0.00		1.06	120.77	0.28	810.57
Hempstead Lake	4067.44*	Max WS	13.54	13.54	0.00	0.00		0.81	121.02	0.30	806.01
Hempstead Lake	4045.97*	Max WS	13.54	13.54	0.00	0.00		0.61	121.20	0.33	801.05
Hempstead Lake	4024.50*	Max WS	13.54	13.54	0.00	0.00		0.45	121.30	0.36	796.05
Hempstead Lake	4003.034	Max WS	13.54	13.54	0.00	0.00		0.13	121.61	0.39	790.73
Hempstead Lake	3984.01*	Max WS	13.54	13.54	0.00	0.00		0.15	121.75	0.22	773.58
Hempstead Lake	3964.99*	Max WS	13.54	13.54	0.00	0.00		0.07	121.97	0.08	755.99
Hempstead Lake	3945.97*	Max WS	13.54	13.54	0.00	0.00		0.01	122.09	0.01	733.34
Hempstead Lake	3926.95*	Max WS	13.54	13.54	0.00	0.00			122.12		713.55
Hempstead Lake	3907.93*	Max WS	13.54	13.54	0.00	0.00			122.12		690.76
Hempstead Lake	3888.916	Max WS	13.54	13.54	0.00	0.00			124.12		660.66
Hempstead Lake	3883.916	Max WS	13.54	13.54	0.00				124.12		658.16
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	9.82	9.73	0.10	0.00			123.92		148.32
Hempstead Lake	3858.916	Max WS	9.78	9.78	0.01	0.01			123.93		152.80
Hempstead Lake	3826.579	Max WS	9.79	9.74	0.04	0.00			123.92		30.67
Hempstead Lake	3821.579	Max WS	9.79	9.66	0.13				123.91		25.63
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	9.66	9.59	0.07	0.00			123.89		23.02
Hempstead Lake	3736.579	Max WS	9.66	9.60	0.05	0.02			123.89		24.06
Hempstead Lake	3699.46*	Max WS	9.64	9.59	0.05	0.02			123.89		26.70
Hempstead Lake	3662.35*	Max WS	9.62	9.58	0.05	0.02			123.89		29.47
Hempstead Lake	3625.24*	Max WS	9.60	9.56	0.05	0.02			123.89		32.56
Hempstead Lake	3588.13*	Max WS	9.58	9.54	0.04	0.02			123.89		36.86
Hempstead Lake	3551.028	Max WS	9.56	9.53	0.02	0.02			123.89		102.51
Hempstead Lake	3531.67*	Max WS	9.54	9.52	0.02	0.02			123.89		97.89
Hempstead Lake	3512.33*	Max WS	9.53	9.50	0.02	0.02			123.89		94.41
Hempstead Lake	3492.98*	Max WS	9.51	9.49	0.02	0.02			123.89		91.44
Hempstead Lake	3473.63*	Max WS	9.50	9.48	0.02	0.01			123.89		89.32
Hempstead Lake	3454.28*	Max WS	9.49	9.47	0.02	0.01			123.89		87.56
Hempstead Lake	3434.93*	Max WS	9.48	9.46	0.02	0.01			123.89		86.46
Hempstead Lake	3415.58*	Max WS	9.47	9.45	0.02	0.01			123.89		85.29
Hempstead Lake	3396.239	Max WS	9.46	9.44	0.02	0.01			123.89		84.71
Hempstead Lake	3376.88*	Max WS	9.46	9.44	0.02	0.01			123.89		85.79
Hempstead Lake	3357.52*	Max WS	9.45	9.43	0.02	0.01			123.88		86.67
Hempstead Lake	3338.16*	Max WS	9.44	9.43	0.02	0.01			123.88		87.68
Hempstead Lake	3318.80*	Max WS	9.44	9.42	0.02	0.01			123.88		88.83
Hempstead Lake	3299.44*	Max WS	9.43	9.41	0.02	0.01			123.88		89.51
Hempstead Lake	3280.08*	Max WS	9.42	9.41	0.02	0.01			123.87		90.38

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	9.41	9.40	0.02	0.01			123.86		91.23
Hempstead Lake	3241.37*	Max WS	9.41	9.39	0.02	0.01			123.86		92.05
Hempstead Lake	3222.01*	Max WS	9.40	9.38	0.02	0.01			123.85		92.86
Hempstead Lake	3202.65*	Max WS	9.39	9.37	0.02	0.01			123.85		93.63
Hempstead Lake	3183.29*	Max WS	9.38	9.37	0.02	0.01			123.85		94.29
Hempstead Lake	3163.93*	Max WS	9.37	9.36	0.01	0.01			123.83		94.97
Hempstead Lake	3144.581	Max WS	9.36	9.35	0.01	0.01			123.83		95.71
Hempstead Lake	3124.73*	Max WS	9.36	9.35	0.01	0.01			123.83		96.86
Hempstead Lake	3104.89*	Max WS	9.35	9.34	0.01	0.01			123.81		97.97
Hempstead Lake	3085.04*	Max WS	9.35	9.33	0.01	0.01			123.81		99.21
Hempstead Lake	3065.2*	Max WS	9.34	9.33	0.01	0.01			123.81		100.32
Hempstead Lake	3045.35*	Max WS	9.34	9.33	0.01	0.00			123.79		101.56
Hempstead Lake	3025.51*	Max WS	9.33	9.32	0.01	0.00			123.79		102.76
Hempstead Lake	3005.66*	Max WS	9.33	9.32	0.01	0.00			123.79		104.04
Hempstead Lake	2985.81*	Max WS	9.33	9.32	0.01	0.00			123.76		105.19
Hempstead Lake	2965.974	Max WS	9.32	9.31	0.01	0.00			123.75		106.21
Hempstead Lake	2951.87*	Max WS	9.32	9.31	0.01	0.00			123.75		106.60
Hempstead Lake	2937.77*	Max WS	9.32	9.31	0.01	0.00			123.75		107.02
Hempstead Lake	2923.67*	Max WS	9.32	9.30	0.01	0.00			123.72		107.39
Hempstead Lake	2909.57*	Max WS	9.31	9.30	0.01	0.00			123.72		107.69
Hempstead Lake	2895.47*	Max WS	9.31	9.30	0.01	0.00			123.72		107.69
Hempstead Lake	2881.37*	Max WS	9.31	9.29	0.01	0.00			123.68		107.72
Hempstead Lake	2867.27*	Max WS	9.30	9.29	0.01	0.00			123.68		107.94
Hempstead Lake	2853.17*	Max WS	9.30	9.29	0.01	0.00			123.64		107.87
Hempstead Lake	2839.07*	Max WS	9.30	9.28	0.01	0.00			123.64		107.46
Hempstead Lake	2824.98*	Max WS	9.29	9.28	0.01	0.00			123.64		107.25
Hempstead Lake	2810.88*	Max WS	9.29	9.27	0.01	0.00			123.60		106.58
Hempstead Lake	2796.78*	Max WS	9.28	9.27	0.01	0.00			123.60		106.07
Hempstead Lake	2782.68*	Max WS	9.28	9.26	0.01	0.00			123.56		105.40
Hempstead Lake	2768.58*	Max WS	9.27	9.26	0.02	0.00			123.56		104.43
Hempstead Lake	2754.48*	Max WS	9.27	9.25	0.02	0.00			123.51		103.04
Hempstead Lake	2740.38*	Max WS	9.26	9.25	0.02	0.00			123.51		101.66
Hempstead Lake	2726.28*	Max WS	9.26	9.24	0.02	0.00			123.47		100.44
Hempstead Lake	2712.18*	Max WS	9.26	9.24	0.02	0.00			123.42		98.59
Hempstead Lake	2698.08*	Max WS	9.25	9.23	0.02	0.00			123.42		96.35
Hempstead Lake	2683.98*	Max WS	9.25	9.23	0.02	0.00			123.37		93.88
Hempstead Lake	2669.88*	Max WS	9.24	9.23	0.02	0.00			123.37		92.02
Hempstead Lake	2655.78*	Max WS	9.24	9.22	0.02	0.00			123.31		92.73
Hempstead Lake	2641.68*	Max WS	9.24	9.22	0.02	0.00			123.26		93.63
Hempstead Lake	2627.58*	Max WS	9.23	9.21	0.02	0.00			123.26		94.96
Hempstead Lake	2613.48*	Max WS	9.23	9.21	0.02	0.00			123.20		96.48
Hempstead Lake	2599.38*	Max WS	9.22	9.21	0.02	0.00			123.20		98.05
Hempstead Lake	2585.29*	Max WS	9.22	9.20	0.02	0.00			123.14		99.47
Hempstead Lake	2571.19*	Max WS	9.22	9.20	0.02	0.00			123.14		101.38
Hempstead Lake	2557.091	Max WS	9.21	9.19	0.02	0.00			123.01		102.80
Hempstead Lake	2552.091	Max WS	9.21	9.16	0.06				122.69		14.52
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	9.14	9.08	0.05	0.00			121.90		16.16
Hempstead Lake	2487.091	Max WS	9.13	9.12	0.01	0.00			122.23		149.91
Hempstead Lake	2477.12*	Max WS	9.13	9.12	0.01	0.00			122.17		148.09
Hempstead Lake	2467.14*	Max WS	9.13	9.11	0.01	0.00			122.16		146.23
Hempstead Lake	2457.17*	Max WS	9.12	9.11	0.01	0.00			122.16		144.37
Hempstead Lake	2447.20*	Max WS	9.12	9.11	0.01	0.01			122.09		142.54
Hempstead Lake	2437.23*	Max WS	9.11	9.10	0.01	0.01			122.02		140.68
Hempstead Lake	2427.26*	Max WS	9.10	9.09	0.01	0.01			121.87		138.39
Hempstead Lake	2417.29*	Max WS	9.09	9.08	0.01	0.01			121.72		136.17
Hempstead Lake	2407.32*	Max WS	9.08	9.07	0.01	0.01			121.56		134.55
Hempstead Lake	2397.35*	Max WS	9.08	9.06	0.01	0.00			121.56		132.81
Hempstead Lake	2387.37*	Max WS	9.07	9.06	0.01	0.00			121.48		131.15
Hempstead Lake	2377.40*	Max WS	9.07	9.06	0.01	0.00			121.40		129.95
Hempstead Lake	2367.43*	Max WS	9.06	9.05	0.01	0.00			121.31		128.60
Hempstead Lake	2357.46*	Max WS	9.06	9.05	0.01	0.00			121.31		127.66
Hempstead Lake	2347.49*	Max WS	9.06	9.05	0.01	0.00			121.22		127.25
Hempstead Lake	2337.52*	Max WS	9.05	9.04	0.01	0.00			121.14		126.89
Hempstead Lake	2327.55*	Max WS	9.05	9.04	0.01	0.00			121.13		126.88
Hempstead Lake	2317.58*	Max WS	9.05	9.04	0.01	0.00			121.04		128.21
Hempstead Lake	2307.60*	Max WS	9.04	9.03	0.01	0.00			121.04		130.21
Hempstead Lake	2297.63*	Max WS	9.04	9.03	0.01	0.00			120.95		134.13
Hempstead Lake	2287.66*	Max WS	9.04	9.03	0.01	0.00			120.95		139.58
Hempstead Lake	2277.69*	Max WS	9.04	9.03	0.01	0.00			120.95		145.06
Hempstead Lake	2267.72*	Max WS	9.04	9.03	0.01	0.00			120.85		152.88
Hempstead Lake	2257.752	Max WS	9.03	9.03	0.01	0.00			120.85		168.15

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

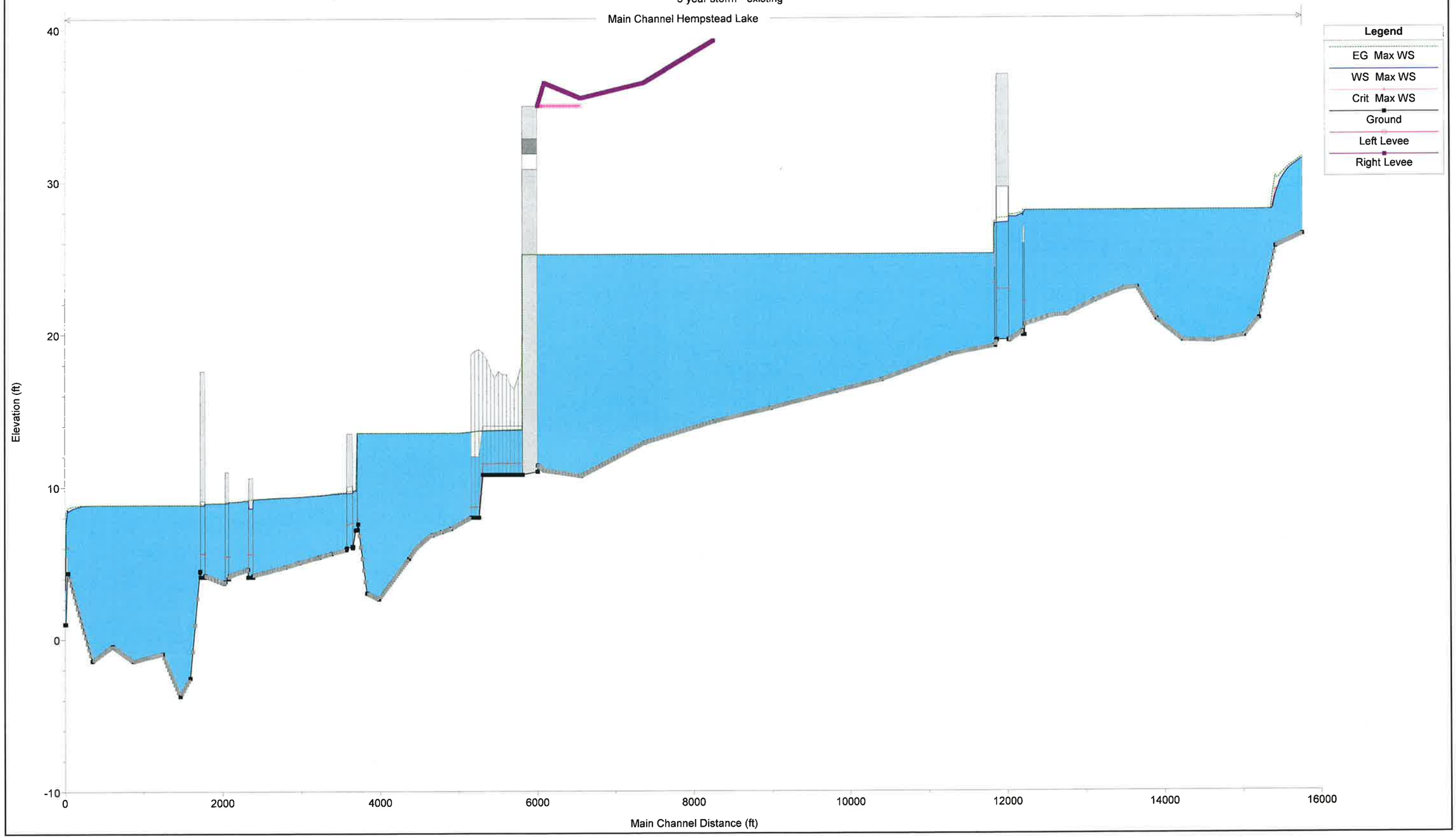
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	9.03	9.02	0.01	0.00			120.75		156.59
Hempstead Lake	2247.752	Max WS	9.03	9.01	0.02				120.45		147.71
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	8.95	8.94	0.01	0.00			119.19		52.44
Hempstead Lake	2192.75*	Max WS	8.95	8.95	0.00	0.00			119.30		87.47
Hempstead Lake	2187.752	Max WS	8.95	8.95	0.00	0.00		0.45	118.85		162.25
Hempstead Lake	2178.63*	Max WS	8.95	8.95	0.00	0.00		0.00	119.30		95.88
Hempstead Lake	2169.52*	Max WS	8.95	8.94	0.00	0.00			119.30		82.85
Hempstead Lake	2160.40*	Max WS	8.95	8.94	0.00	0.00			119.30		81.07
Hempstead Lake	2151.29*	Max WS	8.95	8.94	0.00	0.00			119.19		79.47
Hempstead Lake	2142.17*	Max WS	8.95	8.94	0.01	0.00			119.19		78.06
Hempstead Lake	2133.05*	Max WS	8.95	8.94	0.01	0.00			119.19		76.72
Hempstead Lake	2123.94*	Max WS	8.95	8.94	0.01	0.00			119.19		75.50
Hempstead Lake	2114.82*	Max WS	8.95	8.94	0.01	0.00			119.19		74.37
Hempstead Lake	2105.71*	Max WS	8.95	8.94	0.01	0.00			119.19		73.29
Hempstead Lake	2096.59*	Max WS	8.95	8.94	0.01	0.00			119.19		71.10
Hempstead Lake	2087.48*	Max WS	8.95	8.94	0.01	0.00			119.19		69.11
Hempstead Lake	2078.36*	Max WS	8.95	8.94	0.01	0.00			119.07		67.23
Hempstead Lake	2069.25*	Max WS	8.94	8.94	0.01	0.00			119.07		65.56
Hempstead Lake	2060.13*	Max WS	8.94	8.94	0.01	0.00			119.07		63.92
Hempstead Lake	2051.01*	Max WS	8.94	8.94	0.01	0.00			119.07		62.43
Hempstead Lake	2041.90*	Max WS	8.94	8.94	0.01	0.00			118.95		60.94
Hempstead Lake	2032.78*	Max WS	8.94	8.93	0.01	0.00			118.95		59.61
Hempstead Lake	2023.67*	Max WS	8.94	8.93	0.01	0.00			118.95		58.30
Hempstead Lake	2014.55*	Max WS	8.94	8.93	0.01	0.00			118.95		57.10
Hempstead Lake	2005.44*	Max WS	8.94	8.93	0.01	0.00			118.95		55.87
Hempstead Lake	1996.32*	Max WS	8.94	8.93	0.01	0.00			118.83		54.77
Hempstead Lake	1987.20*	Max WS	8.94	8.93	0.01	0.00			118.83		53.70
Hempstead Lake	1978.09*	Max WS	8.94	8.93	0.01	0.00			118.83		52.98
Hempstead Lake	1968.97*	Max WS	8.94	8.93	0.01	0.00			118.71		51.85
Hempstead Lake	1959.86*	Max WS	8.94	8.93	0.01	0.00			118.71		50.84
Hempstead Lake	1950.747	Max WS	8.94	8.92	0.01	0.00			118.71		49.80
Hempstead Lake	1945.747	Max WS	8.94	8.90	0.04				117.84		16.93
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	8.85	8.79	0.06	0.00			114.57		14.00
Hempstead Lake	1880.747	Max WS	8.83	8.82	0.00	0.00			115.51		112.43
Hempstead Lake	1848.83*	Max WS	8.83	8.83	0.00	0.00			115.51		331.88
Hempstead Lake	1816.92*	Max WS	8.83	8.83	0.00	0.00			115.50		607.17
Hempstead Lake	1785.01*	Max WS	8.83	8.83	0.00	0.00			115.49		801.30
Hempstead Lake	1753.104	Max WS	8.83	8.83	0.00	0.00		0.02	115.46	0.00	987.04
Hempstead Lake	1732.65*	Max WS	8.83	8.83	0.00	0.00		0.07	115.39	0.00	990.66
Hempstead Lake	1712.21*	Max WS	8.83	8.83	0.00	0.00		0.09	115.35	0.02	997.31
Hempstead Lake	1691.76*	Max WS	8.83	8.83	0.00	0.00		0.11	115.27	0.07	1008.59
Hempstead Lake	1671.32*	Max WS	8.83	8.83	0.00	0.00		0.14	115.12	0.17	1026.41
Hempstead Lake	1650.87*	Max WS	8.83	8.83	0.00	0.00		0.17	114.86	0.39	1047.03
Hempstead Lake	1630.434	Max WS	8.83	8.83	0.00	0.00		0.10	114.54	0.78	1073.02
Hempstead Lake	1610.36*	Max WS	8.83	8.83	0.00	0.00		0.11	114.64	0.66	1049.25
Hempstead Lake	1590.30*	Max WS	8.83	8.83	0.00	0.00		0.03	114.86	0.51	1024.84
Hempstead Lake	1570.23*	Max WS	8.83	8.83	0.00	0.00		0.00	115.01	0.37	999.75
Hempstead Lake	1550.17*	Max WS	8.83	8.83	0.00	0.00			115.12	0.25	974.03
Hempstead Lake	1530.10*	Max WS	8.83	8.83	0.00	0.00			115.21	0.16	947.13
Hempstead Lake	1510.03*	Max WS	8.83	8.83	0.00	0.00			115.27	0.08	917.59
Hempstead Lake	1489.97*	Max WS	8.83	8.83	0.00	0.00			115.31	0.04	887.00
Hempstead Lake	1469.90*	Max WS	8.83	8.83	0.00	0.00			115.33	0.01	854.04
Hempstead Lake	1449.83*	Max WS	8.83	8.83	0.00	0.00			115.33	0.00	819.76
Hempstead Lake	1429.77*	Max WS	8.83	8.83	0.00	0.00			115.32		784.89
Hempstead Lake	1409.707	Max WS	8.83	8.83	0.00	0.00			115.32		751.57
Hempstead Lake	1389.03*	Max WS	8.82	8.82	0.00	0.00			1281.63		756.27
Hempstead Lake	1368.35*	Max WS	8.82	8.82	0.00	0.00			1281.61	0.00	764.48
Hempstead Lake	1347.67*	Max WS	8.82	8.82	0.00	0.00			1281.60	0.01	767.58
Hempstead Lake	1326.99*	Max WS	8.82	8.82	0.00	0.00			1281.55	0.04	769.60
Hempstead Lake	1306.32*	Max WS	8.82	8.82	0.00	0.00			1281.47	0.11	770.97
Hempstead Lake	1285.64*	Max WS	8.82	8.82	0.00	0.00			1281.35	0.22	771.40
Hempstead Lake	1264.96*	Max WS	8.82	8.82	0.00	0.00			1281.19	0.37	774.85
Hempstead Lake	1244.28*	Max WS	8.82	8.82	0.00	0.00			1280.98	0.56	776.56
Hempstead Lake	1223.61*	Max WS	8.82	8.82	0.00	0.00			1280.72	0.80	777.33
Hempstead Lake	1202.93*	Max WS	8.82	8.82	0.00	0.00			1280.38	1.13	777.35
Hempstead Lake	1182.25*	Max WS	8.82	8.82	0.00	0.00			1280.00	1.50	777.29
Hempstead Lake	1161.57*	Max WS	8.82	8.82	0.00	0.00			1279.56	1.92	777.18
Hempstead Lake	1140.90*	Max WS	8.82	8.82	0.00	0.00			1279.08	2.39	776.97
Hempstead Lake	1120.22*	Max WS	8.82	8.82	0.00	0.00			1278.45	3.01	776.82
Hempstead Lake	1099.54*	Max WS	8.82	8.82	0.00	0.00			1277.86	3.58	776.56

HEC-RAS Plan: Plan 28 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	8.82	8.82	0.00	0.00			1277.22	4.21	776.48
Hempstead Lake	1058.19*	Max WS	8.82	8.82	0.00	0.00			1276.54	4.88	776.39
Hempstead Lake	1037.515	Max WS	8.82	8.82	0.00	0.00			1269.76	11.64	776.48
Hempstead Lake	1017.08*	Max WS	8.82	8.82	0.00	0.00			1280.01	5.85	772.63
Hempstead Lake	996.645*	Max WS	8.82	8.82	0.00	0.00			1278.46	7.39	768.74
Hempstead Lake	976.210*	Max WS	8.82	8.82	0.00	0.00			1276.91	8.92	764.32
Hempstead Lake	955.775*	Max WS	8.82	8.82	0.00	0.00		0.01	1274.87	10.93	759.86
Hempstead Lake	935.340*	Max WS	8.82	8.82	0.00	0.00		0.10	1272.32	13.05	755.01
Hempstead Lake	914.905*	Max WS	8.82	8.82	0.00	0.00		0.34	1269.51	15.62	750.08
Hempstead Lake	894.471*	Max WS	8.82	8.82	0.00	0.00		0.84	1266.52	18.12	744.88
Hempstead Lake	874.036*	Max WS	8.82	8.82	0.00	0.00		1.63	1262.96	21.16	739.39
Hempstead Lake	853.601*	Max WS	8.82	8.82	0.00	0.00		2.78	1258.51	24.17	733.85
Hempstead Lake	833.166*	Max WS	8.82	8.82	0.00	0.00		4.49	1253.45	27.78	728.18
Hempstead Lake	812.731*	Max WS	8.82	8.82	0.00	0.00		6.86	1247.65	31.19	722.26
Hempstead Lake	792.296*	Max WS	8.82	8.82	0.00	0.00		9.91	1240.23	35.32	716.34
Hempstead Lake	771.862	Max WS	8.82	8.82	0.00	0.00		5.45	1243.11	36.91	710.25
Hempstead Lake	750.331*	Max WS	8.82	8.82	0.00	0.00		5.61	1251.67	30.18	692.16
Hempstead Lake	728.8*	Max WS	8.82	8.82	0.00	0.00		1.48	1263.33	22.66	669.24
Hempstead Lake	707.269*	Max WS	8.82	8.82	0.00	0.00		0.09	1270.90	16.47	645.85
Hempstead Lake	685.738*	Max WS	8.82	8.82	0.00	0.00			1276.06	11.39	627.24
Hempstead Lake	664.207*	Max WS	8.82	8.82	0.00	0.00			1280.06	7.40	609.60
Hempstead Lake	642.676*	Max WS	8.82	8.82	0.00	0.00			1283.07	4.39	594.23
Hempstead Lake	621.145*	Max WS	8.82	8.82	0.00	0.00			1285.10	2.35	577.41
Hempstead Lake	599.614*	Max WS	8.82	8.82	0.00	0.00			1286.28	1.17	559.24
Hempstead Lake	578.083*	Max WS	8.82	8.82	0.00	0.00			1286.97	0.48	537.78
Hempstead Lake	556.552*	Max WS	8.82	8.82	0.00	0.00			1287.30	0.15	521.56
Hempstead Lake	535.021*	Max WS	8.82	8.82	0.00	0.00			1287.42	0.02	507.97
Hempstead Lake	513.490	Max WS	8.82	8.82	0.00	0.00			1287.44		496.61
Hempstead Lake	493.038*	Max WS	8.82	8.82	0.00	0.00			1293.53		481.62
Hempstead Lake	472.587*	Max WS	8.82	8.82	0.00	0.00			1293.53		469.15
Hempstead Lake	452.136*	Max WS	8.82	8.81	0.00	0.00			1293.53		456.34
Hempstead Lake	431.685*	Max WS	8.82	8.81	0.01	0.00			1293.52		443.22
Hempstead Lake	411.234*	Max WS	8.82	8.81	0.01	0.00			1293.52		429.71
Hempstead Lake	390.783*	Max WS	8.81	8.80	0.02	0.00			1293.52		415.46
Hempstead Lake	370.332*	Max WS	8.81	8.78	0.03	0.01			1293.51		386.32
Hempstead Lake	349.881*	Max WS	8.81	8.74	0.07	0.01			1293.51		185.49
Hempstead Lake	329.430*	Max WS	8.80	8.71	0.09	0.01			1293.51		124.26
Hempstead Lake	308.979*	Max WS	8.78	8.68	0.10	0.01			1293.51		117.54
Hempstead Lake	288.528*	Max WS	8.77	8.65	0.12	0.02			1293.51		111.81
Hempstead Lake	268.077*	Max WS	8.75	8.61	0.14	0.03			1293.51		106.97
Hempstead Lake	247.626*	Max WS	8.73	8.56	0.16	0.03			1293.50		102.77
Hempstead Lake	227.175*	Max WS	8.69	8.49	0.20	0.03			1293.50		99.17
Hempstead Lake	206.724	Max WS	8.66	8.42	0.24	0.00			1293.50		96.20
Hempstead Lake	201.724	Max WS	8.65	8.52	0.13				1293.50		111.67
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	3.66	3.30	0.36	0.02		369.16	924.34		120.11
Hempstead Lake	166.724	Max WS	3.66	3.29	0.36			369.13	924.37		120.09

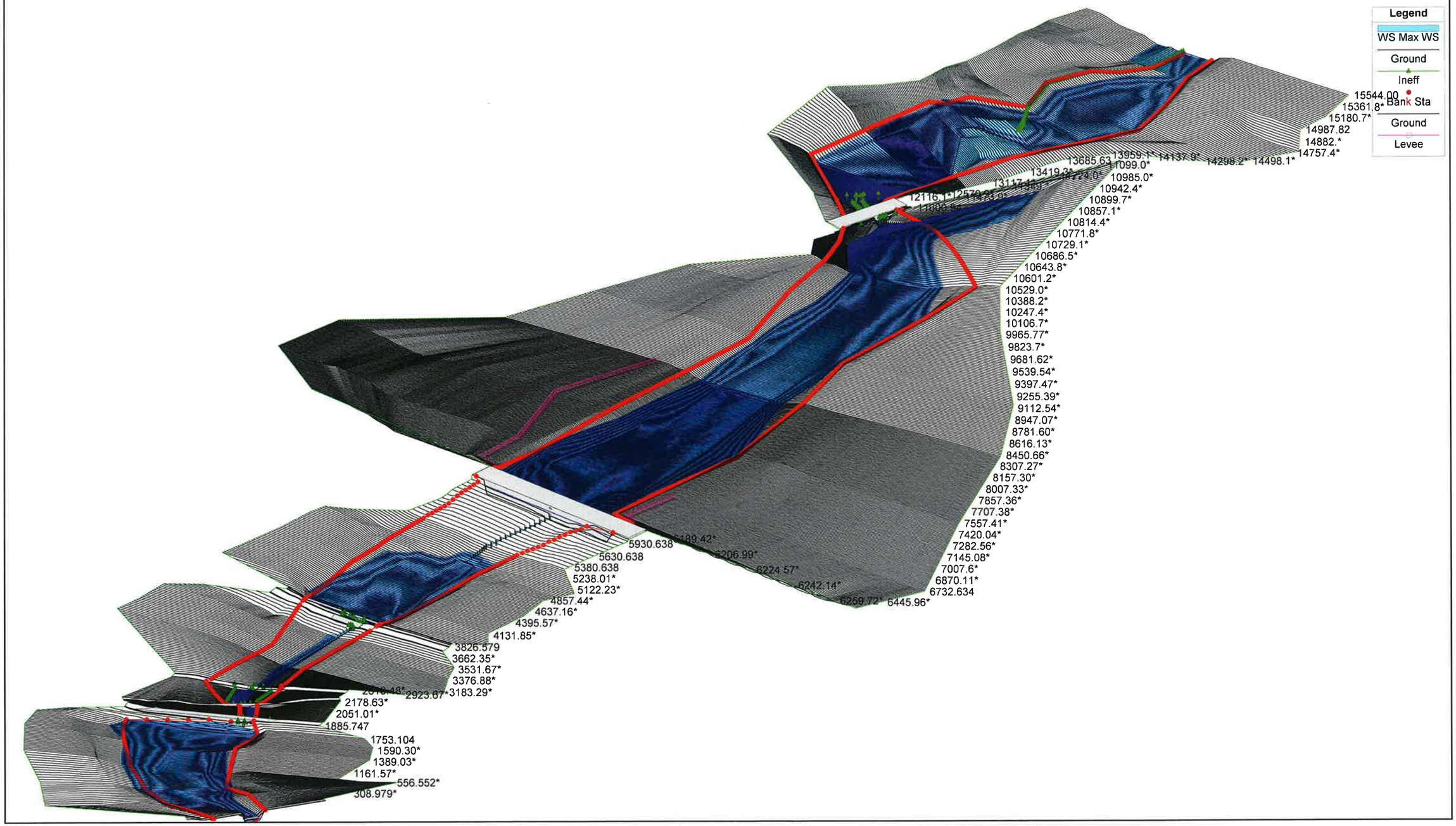
Hempstead Lake 8-24-15 Plan: Plan 28 8/27/2015

5 year storm - existing



Hempstead Lake 8-24-15 Plan: Plan 28 8/27/2015

5 year storm - existing



Existing 25 Year 8/26/15

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	32.46	32.27	0.19	0.04			2894.02		445.07
Hempstead Lake	15523.7*	Max WS	32.40	32.22	0.18	0.10			2893.99		447.06
Hempstead Lake	15503.5*	Max WS	32.30	32.12	0.18	0.10			2893.54		445.75
Hempstead Lake	15483.3*	Max WS	32.20	32.02	0.18	0.09			2893.52		444.47
Hempstead Lake	15463.0*	Max WS	32.11	31.93	0.18	0.09			2893.49		443.19
Hempstead Lake	15442.8*	Max WS	32.02	31.84	0.19	0.09			2893.17		441.09
Hempstead Lake	15422.5*	Max WS	31.94	31.75	0.19	0.09			2893.16		438.62
Hempstead Lake	15402.3*	Max WS	31.85	31.65	0.20	0.09			2893.14		434.55
Hempstead Lake	15382.1*	Max WS	31.77	31.55	0.21	0.09			2893.11		428.89
Hempstead Lake	15361.8*	Max WS	31.68	31.44	0.23	0.10			2892.90		420.33
Hempstead Lake	15341.6*	Max WS	31.58	31.32	0.26	0.11			2892.89		407.76
Hempstead Lake	15321.4*	Max WS	31.48	31.19	0.29	0.13			2892.88		391.01
Hempstead Lake	15301.1*	Max WS	31.38	31.02	0.35	0.14			2892.87		366.42
Hempstead Lake	15280.9*	Max WS	31.26	30.81	0.44	0.06			2892.72		296.66
Hempstead Lake	15260.7*	Max WS	30.67	30.62	0.06	0.01			947.85		268.28
Hempstead Lake	15240.4*	Max WS	30.66	30.60	0.06	0.01			934.56		262.64
Hempstead Lake	15220.2*	Max WS	30.64	30.59	0.06	0.01			924.97		257.04
Hempstead Lake	15200.02	Max WS	30.63	30.57	0.06	0.01			919.29		251.37
Hempstead Lake	15180.7*	Max WS	30.63	30.59	0.04	0.00			928.74		279.42
Hempstead Lake	15161.4*	Max WS	30.62	30.60	0.02	0.00			932.55		309.03
Hempstead Lake	15142.1*	Max WS	30.62	30.60	0.01	0.00			936.35		365.74
Hempstead Lake	15122.8*	Max WS	30.61	30.60	0.01	0.00		0.00	938.24		401.12
Hempstead Lake	15103.5*	Max WS	30.61	30.61	0.01	0.00		0.04	938.19		429.81
Hempstead Lake	15084.2*	Max WS	30.61	30.61	0.00	0.00		0.13	938.10		455.34
Hempstead Lake	15064.9*	Max WS	30.61	30.61	0.00	0.00		0.28	937.94		478.89
Hempstead Lake	15045.6*	Max WS	30.61	30.61	0.00	0.00		0.48	937.74		496.51
Hempstead Lake	15026.4*	Max WS	30.61	30.61	0.00	0.00		0.73	937.49		489.83
Hempstead Lake	15007.1*	Max WS	30.61	30.61	0.00	0.00		1.04	937.17		510.58
Hempstead Lake	14987.82	Max WS	30.61	30.61	0.00	0.00		0.56	937.65		532.22
Hempstead Lake	14966.6*	Max WS	30.61	30.61	0.00	0.00		0.34	947.28		524.96
Hempstead Lake	14945.4*	Max WS	30.61	30.61	0.00	0.00		0.10	947.52		539.61
Hempstead Lake	14924.3*	Max WS	30.61	30.61	0.00	0.00		0.02	947.59		556.72
Hempstead Lake	14903.1*	Max WS	30.61	30.61	0.00	0.00		0.00	947.60		574.51
Hempstead Lake	14882.*	Max WS	30.61	30.61	0.00	0.00			947.59		592.87
Hempstead Lake	14860.8*	Max WS	30.61	30.61	0.00	0.00			947.58		611.57
Hempstead Lake	14839.6*	Max WS	30.61	30.61	0.00	0.00			947.57		630.45
Hempstead Lake	14818.5*	Max WS	30.61	30.61	0.00	0.00			947.56		649.59
Hempstead Lake	14797.35	Max WS	30.61	30.61	0.00	0.00			947.55		668.93
Hempstead Lake	14777.4*	Max WS	30.61	30.61	0.00	0.00			947.54		682.40
Hempstead Lake	14757.4*	Max WS	30.61	30.61	0.00	0.00			947.52		695.92
Hempstead Lake	14737.5*	Max WS	30.61	30.61	0.00	0.00			947.51		709.58
Hempstead Lake	14717.5*	Max WS	30.61	30.61	0.00	0.00			947.50		723.23
Hempstead Lake	14697.6*	Max WS	30.61	30.61	0.00	0.00			947.49		737.11
Hempstead Lake	14677.6*	Max WS	30.61	30.61	0.00	0.00			947.47		751.11
Hempstead Lake	14657.7*	Max WS	30.61	30.61	0.00	0.00			947.46		765.18
Hempstead Lake	14637.7*	Max WS	30.61	30.61	0.00	0.00			947.45		779.43
Hempstead Lake	14617.8*	Max WS	30.61	30.61	0.00	0.00			947.43		793.75
Hempstead Lake	14597.8*	Max WS	30.61	30.61	0.00	0.00		0.00	947.42		808.25
Hempstead Lake	14577.9*	Max WS	30.61	30.61	0.00	0.00		0.00	947.40		822.87
Hempstead Lake	14557.9*	Max WS	30.61	30.61	0.00	0.00		0.01	947.37		837.52
Hempstead Lake	14538.0*	Max WS	30.61	30.61	0.00	0.00		0.02	947.35		851.89
Hempstead Lake	14518.0*	Max WS	30.61	30.61	0.00	0.00		0.04	947.31		866.48
Hempstead Lake	14498.1*	Max WS	30.61	30.61	0.00	0.00		0.06	947.28		881.22
Hempstead Lake	14478.1*	Max WS	30.61	30.61	0.00	0.00		0.09	947.23		896.16
Hempstead Lake	14458.2*	Max WS	30.61	30.61	0.00	0.00		0.14	947.17		911.32
Hempstead Lake	14438.2*	Max WS	30.61	30.61	0.00	0.00		0.18	947.11		926.69
Hempstead Lake	14418.3*	Max WS	30.61	30.61	0.00	0.00		0.25	947.02		942.87
Hempstead Lake	14398.37	Max WS	30.61	30.61	0.00	0.00		0.15	947.11		959.02
Hempstead Lake	14378.3*	Max WS	30.61	30.61	0.00	0.00		0.15	947.09		944.18
Hempstead Lake	14358.3*	Max WS	30.61	30.61	0.00	0.00		0.16	947.07		929.25
Hempstead Lake	14338.2*	Max WS	30.61	30.61	0.00	0.00		0.16	947.05		914.58
Hempstead Lake	14318.2*	Max WS	30.61	30.61	0.00	0.00		0.17	947.03		899.94
Hempstead Lake	14298.2*	Max WS	30.61	30.61	0.00	0.00		0.17	947.01		885.39
Hempstead Lake	14278.1*	Max WS	30.61	30.61	0.00	0.00		0.18	946.99		871.03
Hempstead Lake	14258.1*	Max WS	30.61	30.61	0.00	0.00		0.18	946.96		856.68
Hempstead Lake	14238.1*	Max WS	30.61	30.61	0.00	0.00		0.19	946.94		842.59
Hempstead Lake	14218.0*	Max WS	30.61	30.61	0.00	0.00		0.20	946.92		828.42
Hempstead Lake	14198.0*	Max WS	30.61	30.61	0.00	0.00		0.21	946.90		814.62
Hempstead Lake	14178.0*	Max WS	30.61	30.61	0.00	0.00		0.22	946.87		800.88
Hempstead Lake	14157.9*	Max WS	30.61	30.61	0.00	0.00		0.23	946.85		787.38
Hempstead Lake	14137.9*	Max WS	30.61	30.61	0.00	0.00		0.25	946.82		774.09
Hempstead Lake	14117.9*	Max WS	30.61	30.61	0.00	0.00		0.26	946.80		760.57

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	30.61	30.61	0.00	0.00		0.28	946.77		746.93
Hempstead Lake	14077.8*	Max WS	30.61	30.61	0.00	0.00		0.30	946.74		733.16
Hempstead Lake	14057.8*	Max WS	30.61	30.61	0.00	0.00		0.33	946.70		719.36
Hempstead Lake	14037.7*	Max WS	30.61	30.61	0.00	0.00		0.36	946.66		716.13
Hempstead Lake	14017.75	Max WS	30.61	30.61	0.00	0.00		0.40	946.61		716.26
Hempstead Lake	13998.2*	Max WS	30.61	30.61	0.00	0.00		1.17	945.83		723.20
Hempstead Lake	13978.6*	Max WS	30.61	30.61	0.00	0.00		1.09	945.90		730.68
Hempstead Lake	13959.1*	Max WS	30.61	30.61	0.00	0.00		1.03	945.95		745.63
Hempstead Lake	13939.6*	Max WS	30.61	30.61	0.00	0.00		1.02	945.96		762.86
Hempstead Lake	13920.0*	Max WS	30.61	30.61	0.00	0.00		0.99	945.97		780.20
Hempstead Lake	13900.5*	Max WS	30.61	30.61	0.00	0.00		1.03	945.93		797.66
Hempstead Lake	13881.*	Max WS	30.61	30.60	0.00	0.00		1.06	945.89		815.16
Hempstead Lake	13861.4*	Max WS	30.61	30.60	0.00	0.00		1.10	945.84		832.78
Hempstead Lake	13841.9*	Max WS	30.61	30.60	0.00	0.00		1.10	945.83		850.44
Hempstead Lake	13822.3*	Max WS	30.61	30.60	0.00	0.00		1.07	945.85		868.16
Hempstead Lake	13802.8*	Max WS	30.61	30.60	0.00	0.00		1.04	945.87		836.28
Hempstead Lake	13783.3*	Max WS	30.60	30.60	0.00	0.00		1.00	945.90		772.86
Hempstead Lake	13763.7*	Max WS	30.60	30.60	0.00	0.00		0.93	945.96		710.63
Hempstead Lake	13744.2*	Max WS	30.60	30.60	0.00	0.00		0.91	945.97		703.99
Hempstead Lake	13724.7*	Max WS	30.60	30.60	0.00	0.00		0.88	945.99		698.96
Hempstead Lake	13705.1*	Max WS	30.60	30.60	0.00	0.00		0.80	946.05		695.10
Hempstead Lake	13685.63	Max WS	30.60	30.60	0.00	0.00		0.30	946.55		692.27
Hempstead Lake	13666.4*	Max WS	30.60	30.60	0.00	0.00		0.08	946.75		725.61
Hempstead Lake	13647.1*	Max WS	30.60	30.60	0.00	0.00		0.02	946.81		760.42
Hempstead Lake	13627.9*	Max WS	30.60	30.60	0.00	0.00		0.00	946.83		796.85
Hempstead Lake	13608.7*	Max WS	30.60	30.60	0.00	0.00			946.78	0.04	833.43
Hempstead Lake	13589.5*	Max WS	30.60	30.60	0.00	0.00			946.51	0.31	925.92
Hempstead Lake	13570.2*	Max WS	30.60	30.60	0.00	0.00			945.81	1.00	1049.85
Hempstead Lake	13551.0*	Max WS	30.60	30.60	0.00	0.00			944.17	2.64	1080.48
Hempstead Lake	13531.8*	Max WS	30.60	30.60	0.00	0.00			941.83	4.98	1086.24
Hempstead Lake	13512.6*	Max WS	30.60	30.60	0.00	0.00			940.10	7.34	967.85
Hempstead Lake	13493.3*	Max WS	30.60	30.60	0.00	0.00			937.76	9.67	826.61
Hempstead Lake	13474.1*	Max WS	30.60	30.60	0.00	0.00			935.39	12.02	738.87
Hempstead Lake	13454.9*	Max WS	30.60	30.60	0.00	0.00			932.33	15.07	685.47
Hempstead Lake	13435.72	Max WS	30.60	30.60	0.00	0.00			906.32	41.07	635.14
Hempstead Lake	13419.3*	Max WS	30.60	30.60	0.00	0.00			933.12	14.26	646.72
Hempstead Lake	13403.0*	Max WS	30.60	30.60	0.00	0.00			936.22	11.15	647.60
Hempstead Lake	13386.6*	Max WS	30.60	30.60	0.00	0.00			939.14	8.23	648.59
Hempstead Lake	13370.3*	Max WS	30.60	30.60	0.00	0.00			941.70	5.66	749.44
Hempstead Lake	13354.*	Max WS	30.60	30.60	0.00	0.00			944.06	3.29	778.67
Hempstead Lake	13337.6*	Max WS	30.60	30.60	0.00	0.00			945.75	1.60	782.10
Hempstead Lake	13321.3*	Max WS	30.60	30.60	0.00	0.00			947.35	0.57	780.84
Hempstead Lake	13304.9*	Max WS	30.60	30.60	0.00	0.00			947.81	0.10	776.47
Hempstead Lake	13288.6*	Max WS	30.60	30.60	0.00	0.00			947.90	0.00	769.13
Hempstead Lake	13272.29	Max WS	30.60	30.60	0.00	0.00			947.89		760.53
Hempstead Lake	13255.0*	Max WS	30.60	30.60	0.00	0.00			947.88		777.48
Hempstead Lake	13237.8*	Max WS	30.60	30.60	0.00	0.00			947.87		794.72
Hempstead Lake	13220.5*	Max WS	30.60	30.60	0.00	0.00			947.86		811.87
Hempstead Lake	13203.3*	Max WS	30.60	30.60	0.00	0.00			947.85		828.98
Hempstead Lake	13186.0*	Max WS	30.60	30.60	0.00	0.00			947.84		846.44
Hempstead Lake	13168.8*	Max WS	30.60	30.60	0.00	0.00			947.84		863.80
Hempstead Lake	13151.6*	Max WS	30.60	30.60	0.00	0.00			947.83	0.00	881.14
Hempstead Lake	13134.3*	Max WS	30.60	30.60	0.00	0.00			947.83	0.00	898.61
Hempstead Lake	13117.1*	Max WS	30.60	30.60	0.00	0.00			947.82	0.00	915.74
Hempstead Lake	13099.8*	Max WS	30.60	30.60	0.00	0.00			947.82	0.01	932.88
Hempstead Lake	13082.6*	Max WS	30.60	30.60	0.00	0.00			948.30	0.02	953.80
Hempstead Lake	13065.3*	Max WS	30.60	30.60	0.00	0.00			948.28	0.03	990.04
Hempstead Lake	13048.1*	Max WS	30.60	30.60	0.00	0.00			948.25	0.05	1021.08
Hempstead Lake	13030.9*	Max WS	30.60	30.60	0.00	0.00			948.22	0.07	1049.85
Hempstead Lake	13013.6*	Max WS	30.60	30.60	0.00	0.00			948.18	0.09	1109.14
Hempstead Lake	12996.4*	Max WS	30.60	30.60	0.00	0.00			948.14	0.12	1111.31
Hempstead Lake	12979.1*	Max WS	30.60	30.60	0.00	0.00			948.10	0.15	1113.38
Hempstead Lake	12961.9*	Max WS	30.60	30.60	0.00	0.00			948.05	0.19	1114.91
Hempstead Lake	12944.7*	Max WS	30.60	30.60	0.00	0.00			948.00	0.24	1116.04
Hempstead Lake	12927.4*	Max WS	30.60	30.60	0.00	0.00			947.94	0.29	1117.15
Hempstead Lake	12910.2*	Max WS	30.60	30.60	0.00	0.00			947.88	0.34	1118.23
Hempstead Lake	12892.97	Max WS	30.60	30.60	0.00	0.00			947.50	0.72	1119.19
Hempstead Lake	12881.0*	Max WS	30.60	30.60	0.00	0.00			1104.49	0.36	1118.53
Hempstead Lake	12869.1*	Max WS	30.60	30.60	0.00	0.00			1104.46	0.38	1117.93
Hempstead Lake	12857.1*	Max WS	30.60	30.60	0.00	0.00			1104.43	0.41	1117.32
Hempstead Lake	12845.2*	Max WS	30.60	30.60	0.00	0.00			1104.40	0.43	1116.70
Hempstead Lake	12833.3*	Max WS	30.60	30.60	0.00	0.00			1104.38	0.46	1116.10

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	30.60	30.60	0.00	0.00			1104.99	0.48	1115.47
Hempstead Lake	12809.4*	Max WS	30.60	30.60	0.00	0.00			1104.32	0.51	1114.92
Hempstead Lake	12797.5*	Max WS	30.60	30.60	0.00	0.00			1104.90	0.54	1114.24
Hempstead Lake	12785.6*	Max WS	30.60	30.60	0.00	0.00		0.00	1104.86	0.57	1113.62
Hempstead Lake	12773.7*	Max WS	30.60	30.60	0.00	0.00		0.00	1104.24	0.59	1113.04
Hempstead Lake	12761.7*	Max WS	30.60	30.60	0.00	0.00		0.00	1104.20	0.62	1112.42
Hempstead Lake	12749.8*	Max WS	30.60	30.60	0.00	0.00		0.01	1104.73	0.65	1111.82
Hempstead Lake	12737.9*	Max WS	30.60	30.60	0.00	0.00		0.01	1104.68	0.69	1111.23
Hempstead Lake	12726.0*	Max WS	30.60	30.60	0.00	0.00		0.02	1104.63	0.72	1110.61
Hempstead Lake	12714.0*	Max WS	30.60	30.60	0.00	0.00		0.03	1104.58	0.75	1110.07
Hempstead Lake	12702.1*	Max WS	30.60	30.60	0.00	0.00		0.04	1104.52	0.78	1109.43
Hempstead Lake	12690.2*	Max WS	30.60	30.60	0.00	0.00		0.05	1104.46	0.82	1108.78
Hempstead Lake	12678.3*	Max WS	30.60	30.60	0.00	0.00		0.07	1104.39	0.86	1108.26
Hempstead Lake	12666.3*	Max WS	30.60	30.60	0.00	0.00		0.09	1104.32	0.90	1107.63
Hempstead Lake	12654.4*	Max WS	30.60	30.60	0.00	0.00		0.11	1104.25	0.93	1107.08
Hempstead Lake	12642.5*	Max WS	30.60	30.60	0.00	0.00		0.13	1104.18	0.97	1106.46
Hempstead Lake	12630.6*	Max WS	30.60	30.60	0.00	0.00		0.16	1104.11	1.01	1105.84
Hempstead Lake	12618.6*	Max WS	30.60	30.60	0.00	0.00		0.19	1104.02	1.05	1105.27
Hempstead Lake	12606.7*	Max WS	30.60	30.60	0.00	0.00		0.22	1103.94	1.09	1104.88
Hempstead Lake	12594.8*	Max WS	30.60	30.60	0.00	0.00		0.26	1103.85	1.13	1104.45
Hempstead Lake	12582.9*	Max WS	30.60	30.60	0.00	0.00		0.30	1103.76	1.18	1103.92
Hempstead Lake	12570.9*	Max WS	30.60	30.60	0.00	0.00		0.34	1103.66	1.22	1103.31
Hempstead Lake	12559.0*	Max WS	30.60	30.60	0.00	0.00		0.39	1103.56	1.27	1102.70
Hempstead Lake	12547.1*	Max WS	30.60	30.60	0.00	0.00		0.44	1103.46	1.31	1102.00
Hempstead Lake	12535.2*	Max WS	30.60	30.60	0.00	0.00		0.49	1103.35	1.36	1101.21
Hempstead Lake	12523.27	Max WS	30.60	30.60	0.00	0.00		0.55	1103.28	1.36	1100.49
Hempstead Lake	12515.8*	Max WS	30.60	30.60	0.00	0.00		1.22	1143.78	0.84	1089.42
Hempstead Lake	12508.3*	Max WS	30.60	30.60	0.00	0.00		1.32	1144.13	0.38	1078.16
Hempstead Lake	12500.9*	Max WS	30.60	30.60	0.00	0.00		1.38	1144.35	0.10	1060.09
Hempstead Lake	12493.4*	Max WS	30.60	30.60	0.00	0.00		1.45	1144.37	0.01	1032.77
Hempstead Lake	12486.0*	Max WS	30.60	30.60	0.00	0.00		1.54	1144.28		1014.27
Hempstead Lake	12478.5*	Max WS	30.60	30.60	0.00	0.00		1.61	1144.22		1002.73
Hempstead Lake	12471.1*	Max WS	30.60	30.60	0.00	0.00		1.66	1144.16		992.73
Hempstead Lake	12463.7*	Max WS	30.60	30.60	0.00	0.00		1.77	1144.04		983.72
Hempstead Lake	12456.2*	Max WS	30.60	30.60	0.00	0.00		1.84	1143.97		975.44
Hempstead Lake	12448.8*	Max WS	30.60	30.60	0.00	0.00		1.89	1143.92		967.50
Hempstead Lake	12441.3*	Max WS	30.60	30.60	0.00	0.00		2.01	1143.79		960.00
Hempstead Lake	12433.9*	Max WS	30.60	30.60	0.00	0.00		2.10	1143.70		952.81
Hempstead Lake	12426.4*	Max WS	30.60	30.60	0.00	0.00		2.16	1143.63		945.82
Hempstead Lake	12419.0*	Max WS	30.60	30.60	0.00	0.00		2.28	1143.51		939.00
Hempstead Lake	12411.5*	Max WS	30.60	30.60	0.00	0.00		2.35	1143.44		932.40
Hempstead Lake	12404.1*	Max WS	30.60	30.60	0.00	0.00		2.41	1143.37		925.89
Hempstead Lake	12396.6*	Max WS	30.60	30.60	0.00	0.00		2.46	1143.31		919.48
Hempstead Lake	12389.2*	Max WS	30.60	30.60	0.00	0.00		2.62	1143.16		913.23
Hempstead Lake	12381.8*	Max WS	30.60	30.60	0.00	0.00		2.72	1143.05		907.02
Hempstead Lake	12374.3*	Max WS	30.60	30.60	0.00	0.00		2.80	1142.96		900.97
Hempstead Lake	12366.9*	Max WS	30.60	30.60	0.00	0.00		3.06	1142.71		895.78
Hempstead Lake	12359.46	Max WS	30.60	30.60	0.00	0.00		1.34	1144.42		890.50
Hempstead Lake	12350.7*	Max WS	30.60	30.60	0.00	0.00		3.44	1169.13		879.29
Hempstead Lake	12342.0*	Max WS	30.60	30.60	0.00	0.00		3.60	1168.98		868.12
Hempstead Lake	12333.3*	Max WS	30.60	30.60	0.00	0.00		3.74	1168.83		856.80
Hempstead Lake	12324.7*	Max WS	30.60	30.60	0.00	0.00		3.76	1168.80		845.66
Hempstead Lake	12316.0*	Max WS	30.60	30.60	0.00	0.00		3.93	1168.63		834.50
Hempstead Lake	12307.3*	Max WS	30.60	30.60	0.00	0.00		4.10	1168.45		823.35
Hempstead Lake	12298.6*	Max WS	30.60	30.60	0.00	0.00		4.29	1168.27		812.22
Hempstead Lake	12289.9*	Max WS	30.60	30.60	0.00	0.00		4.41	1168.14		801.01
Hempstead Lake	12281.2*	Max WS	30.60	30.60	0.00	0.00		4.61	1167.94		789.95
Hempstead Lake	12272.5*	Max WS	30.60	30.60	0.00	0.00		4.65	1167.89		778.87
Hempstead Lake	12263.8*	Max WS	30.60	30.60	0.00	0.00		4.86	1167.68		767.84
Hempstead Lake	12255.1*	Max WS	30.60	30.60	0.00	0.00		5.08	1167.45		756.76
Hempstead Lake	12246.4*	Max WS	30.60	30.60	0.00	0.00		5.31	1167.22		745.76
Hempstead Lake	12237.7*	Max WS	30.60	30.60	0.00	0.00		5.52	1167.00		734.73
Hempstead Lake	12229.1*	Max WS	30.60	30.60	0.00	0.00		5.78	1166.74		723.79
Hempstead Lake	12220.4*	Max WS	30.60	30.60	0.00	0.00		5.87	1166.66		712.85
Hempstead Lake	12211.7*	Max WS	30.60	30.60	0.00	0.00		6.15	1166.37		701.97
Hempstead Lake	12203.0*	Max WS	30.60	30.60	0.00	0.00		6.45	1166.07		691.15
Hempstead Lake	12194.3*	Max WS	30.60	30.60	0.00	0.00		6.73	1165.78		680.36
Hempstead Lake	12185.6*	Max WS	30.60	30.60	0.00	0.00		7.07	1165.45		669.53
Hempstead Lake	12176.9*	Max WS	30.60	30.60	0.00	0.00		7.43	1165.07		658.91
Hempstead Lake	12168.2*	Max WS	30.60	30.60	0.00	0.00		7.55	1164.95		648.32
Hempstead Lake	12159.5*	Max WS	30.60	30.60	0.00	0.00		7.94	1164.56		637.81
Hempstead Lake	12150.8*	Max WS	30.60	30.60	0.00	0.00		8.36	1164.13		626.93

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	30.60	30.60	0.00	0.00		7.90	1164.59		615.85
Hempstead Lake	12133.5*	Max WS	30.60	30.60	0.00	0.00		8.32	1164.17		604.98
Hempstead Lake	12124.8*	Max WS	30.60	30.59	0.00	0.00		8.68	1163.81		596.81
Hempstead Lake	12116.1*	Max WS	30.60	30.59	0.00	0.00		8.91	1163.57		589.13
Hempstead Lake	12107.4*	Max WS	30.60	30.59	0.00	0.00		9.39	1163.10		581.70
Hempstead Lake	12098.7*	Max WS	30.60	30.59	0.00	0.00		10.04	1162.44		571.85
Hempstead Lake	12090.0*	Max WS	30.60	30.59	0.00	0.00		10.83	1161.65		561.47
Hempstead Lake	12081.3*	Max WS	30.60	30.59	0.00	0.00		11.79	1160.69		548.62
Hempstead Lake	12072.6*	Max WS	30.60	30.59	0.00	0.00		12.92	1159.55		534.20
Hempstead Lake	12063.9*	Max WS	30.60	30.59	0.00	0.00		13.88	1158.59		519.78
Hempstead Lake	12055.2*	Max WS	30.60	30.59	0.00	0.00		14.69	1157.78		505.50
Hempstead Lake	12046.5*	Max WS	30.60	30.59	0.00	0.00		15.91	1156.56		491.30
Hempstead Lake	12037.9*	Max WS	30.60	30.59	0.00	0.00		17.13	1155.34		477.26
Hempstead Lake	12029.2*	Max WS	30.60	30.59	0.00	0.00		18.34	1154.12		463.26
Hempstead Lake	12020.5*	Max WS	30.59	30.59	0.01	0.00		19.53	1152.93		449.33
Hempstead Lake	12011.8*	Max WS	30.59	30.59	0.01	0.00		20.35	1152.11		435.43
Hempstead Lake	12003.1*	Max WS	30.59	30.59	0.01	0.00		21.28	1151.18		421.83
Hempstead Lake	11994.45	Max WS	30.59	30.58	0.01	0.00			1185.58		408.51
Hempstead Lake	11989.45	Max WS	30.63	30.48	0.15				1185.57		405.67
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	30.42	30.13	0.30	0.00			1185.46		358.26
Hempstead Lake	11964.45	Max WS	30.25	30.23	0.02	0.00			1185.46		334.16
Hempstead Lake	11954.6*	Max WS	30.28	30.18	0.10	0.00			1185.46		315.80
Hempstead Lake	11944.8*	Max WS	30.28	30.16	0.11	0.00			1185.46		297.58
Hempstead Lake	11934.9*	Max WS	30.27	30.15	0.12	0.00			1185.45		292.38
Hempstead Lake	11925.1*	Max WS	30.27	30.14	0.13	0.01			1185.45		289.80
Hempstead Lake	11915.3*	Max WS	30.26	30.12	0.14	0.01			1185.45		287.01
Hempstead Lake	11905.5*	Max WS	30.26	30.10	0.15	0.01			1185.45		283.84
Hempstead Lake	11895.6*	Max WS	30.25	30.09	0.16	0.01			1185.45		280.40
Hempstead Lake	11885.8*	Max WS	30.24	30.07	0.17	0.01			1185.45		276.59
Hempstead Lake	11876.0*	Max WS	30.24	30.05	0.19	0.01			1185.47		272.49
Hempstead Lake	11866.2*	Max WS	30.23	30.03	0.20	0.01			1185.46		267.72
Hempstead Lake	11856.4*	Max WS	30.22	30.01	0.20	0.01			1185.46		256.23
Hempstead Lake	11846.5*	Max WS	30.21	30.00	0.21	0.01			1185.46		223.20
Hempstead Lake	11836.7*	Max WS	30.20	30.00	0.21	0.01			1185.46		167.05
Hempstead Lake	11826.9*	Max WS	30.20	30.00	0.20	0.00			1185.46		166.46
Hempstead Lake	11817.1*	Max WS	30.19	30.00	0.19	0.00			1185.46		166.39
Hempstead Lake	11807.2*	Max WS	30.19	30.00	0.19	0.00			1185.46		166.88
Hempstead Lake	11797.46	Max WS	30.19	30.00	0.18	0.00			1185.46		156.41
Hempstead Lake	11792.46	Max WS	30.18	30.05	0.13				1185.46		130.26
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	29.35	29.16	0.19	0.00			1185.46		44.89
Hempstead Lake	11627.46	Max WS	29.35	29.16	0.19	0.00			1185.46		49.15
Hempstead Lake	11623.2*	Max WS	29.34	29.14	0.20	0.00			1185.46		49.78
Hempstead Lake	11619.1*	Max WS	29.34	29.16	0.19	0.00			1185.46		56.79
Hempstead Lake	11614.94	Max WS	29.34	29.20	0.14	0.00			1185.46		63.55
Hempstead Lake	11612.94	Max WS	29.34	29.10	0.24				1185.46		65.33
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	27.24	27.24	0.00	0.00			57.95		56.20
Hempstead Lake	11598.94	Max WS	27.24	27.24	0.00	0.00			59.02		55.60
Hempstead Lake	11573.9*	Max WS	27.24	27.24	0.00	0.00			60.30		80.27
Hempstead Lake	11548.9*	Max WS	27.24	27.24	0.00	0.00			60.09		105.02
Hempstead Lake	11523.9*	Max WS	27.24	27.24	0.00	0.00			60.30		129.90
Hempstead Lake	11498.9*	Max WS	27.24	27.24	0.00	0.00			60.30		154.90
Hempstead Lake	11473.9*	Max WS	27.24	27.24	0.00	0.00			60.73		179.40
Hempstead Lake	11448.9*	Max WS	27.24	27.24	0.00	0.00			60.52		203.44
Hempstead Lake	11423.9*	Max WS	27.24	27.24	0.00	0.00			60.73		227.61
Hempstead Lake	11398.9*	Max WS	27.24	27.24	0.00	0.00			60.52		272.68
Hempstead Lake	11373.9*	Max WS	27.24	27.24	0.00	0.00			60.30		318.77
Hempstead Lake	11349.*	Max WS	27.24	27.24	0.00	0.00			60.73		357.54
Hempstead Lake	11324.*	Max WS	27.24	27.24	0.00	0.00		0.21	60.09		719.45
Hempstead Lake	11299.0*	Max WS	27.24	27.24	0.00	0.00		2.25	58.26		923.86
Hempstead Lake	11274.0*	Max WS	27.24	27.24	0.00	0.00		6.10	54.62		1049.64
Hempstead Lake	11249.0*	Max WS	27.24	27.24	0.00	0.00		11.47	49.04		1130.96
Hempstead Lake	11224.0*	Max WS	27.24	27.24	0.00	0.00		16.95	43.35		1207.86
Hempstead Lake	11199.0*	Max WS	27.24	27.24	0.00	0.00		22.36	38.15		1283.41
Hempstead Lake	11174.0*	Max WS	27.24	27.24	0.00	0.00		27.28	33.23		1354.80
Hempstead Lake	11149.0*	Max WS	27.24	27.24	0.00	0.00		32.09	28.41		1426.29
Hempstead Lake	11124.0*	Max WS	27.24	27.24	0.00	0.00		35.78	24.53		1502.47
Hempstead Lake	11099.0*	Max WS	27.24	27.24	0.00	0.00		39.47	21.44		1577.73
Hempstead Lake	11074.0*	Max WS	27.24	27.24	0.00	0.00		42.49	18.01		1652.72
Hempstead Lake	11049.07	Max WS	27.24	27.24	0.00	0.00		32.58	28.13		1726.96

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	27.24	27.24	0.00	0.00		43.01	17.49		1702.63
Hempstead Lake	11027.7*	Max WS	27.24	27.24	0.00	0.00		41.63	19.07		1678.18
Hempstead Lake	11017.0*	Max WS	27.24	27.24	0.00	0.00		39.53	21.16		1654.18
Hempstead Lake	11006.4*	Max WS	27.24	27.24	0.00	0.00		37.38	23.51		1630.40
Hempstead Lake	10995.7*	Max WS	27.24	27.24	0.00	0.00		35.37	25.52		1606.49
Hempstead Lake	10985.0*	Max WS	27.24	27.24	0.00	0.00		32.43	27.88		1583.29
Hempstead Lake	10974.4*	Max WS	27.24	27.24	0.00	0.00		30.29	30.40		1561.73
Hempstead Lake	10963.7*	Max WS	27.24	27.24	0.00	0.00		27.41	33.47		1542.57
Hempstead Lake	10953.1*	Max WS	27.24	27.24	0.00	0.00		24.26	36.43		1523.55
Hempstead Lake	10942.4*	Max WS	27.24	27.24	0.00	0.00		21.50	39.19		1504.45
Hempstead Lake	10931.7*	Max WS	27.24	27.24	0.00	0.00		18.27	42.22		1485.33
Hempstead Lake	10921.1*	Max WS	27.24	27.24	0.00	0.00		15.23	45.45		1466.35
Hempstead Lake	10910.4*	Max WS	27.24	27.24	0.00	0.00		12.44	47.87		1447.41
Hempstead Lake	10899.7*	Max WS	27.24	27.24	0.00	0.00		9.69	50.99		1428.40
Hempstead Lake	10889.1*	Max WS	27.24	27.24	0.00	0.00		7.15	53.53		1409.50
Hempstead Lake	10878.4*	Max WS	27.24	27.24	0.00	0.00		5.04	55.45		1390.71
Hempstead Lake	10867.8*	Max WS	27.24	27.24	0.00	0.00		3.18	57.50		1371.80
Hempstead Lake	10857.1*	Max WS	27.24	27.24	0.00	0.00		1.75	58.56		1352.75
Hempstead Lake	10846.4*	Max WS	27.24	27.24	0.00	0.00		0.92	59.93		1225.02
Hempstead Lake	10835.8*	Max WS	27.24	27.24	0.00	0.00		0.31	60.36		1160.69
Hempstead Lake	10825.1*	Max WS	27.24	27.24	0.00	0.00		0.05	60.63		1014.35
Hempstead Lake	10814.4*	Max WS	27.24	27.24	0.00	0.00			60.85		826.01
Hempstead Lake	10803.8*	Max WS	27.24	27.24	0.00	0.00			60.67		800.66
Hempstead Lake	10793.1*	Max WS	27.24	27.24	0.00	0.00			60.67		777.91
Hempstead Lake	10782.4*	Max WS	27.24	27.24	0.00	0.00			60.66		776.67
Hempstead Lake	10771.8*	Max WS	27.24	27.24	0.00	0.00			60.49		776.05
Hempstead Lake	10761.1*	Max WS	27.24	27.24	0.00	0.00			60.66		775.96
Hempstead Lake	10750.5*	Max WS	27.24	27.24	0.00	0.00			60.84		774.74
Hempstead Lake	10739.8*	Max WS	27.24	27.24	0.00	0.00			60.66		772.58
Hempstead Lake	10729.1*	Max WS	27.24	27.24	0.00	0.00			60.66		771.03
Hempstead Lake	10718.5*	Max WS	27.24	27.24	0.00	0.00			60.31		769.65
Hempstead Lake	10707.8*	Max WS	27.24	27.24	0.00	0.00			60.66		768.69
Hempstead Lake	10697.1*	Max WS	27.24	27.24	0.00	0.00			60.83		768.04
Hempstead Lake	10686.5*	Max WS	27.24	27.24	0.00	0.00			60.66		767.76
Hempstead Lake	10675.8*	Max WS	27.24	27.24	0.00	0.00			60.48		767.78
Hempstead Lake	10665.2*	Max WS	27.24	27.24	0.00	0.00			60.65		767.89
Hempstead Lake	10654.5*	Max WS	27.24	27.24	0.00	0.00			60.65		768.54
Hempstead Lake	10643.8*	Max WS	27.24	27.24	0.00	0.00			60.65		769.72
Hempstead Lake	10633.2*	Max WS	27.24	27.24	0.00	0.00			60.65		771.47
Hempstead Lake	10622.5*	Max WS	27.24	27.24	0.00	0.00			60.48		773.32
Hempstead Lake	10611.8*	Max WS	27.24	27.24	0.00	0.00			60.65		775.38
Hempstead Lake	10601.2*	Max WS	27.24	27.24	0.00	0.00			60.65		777.46
Hempstead Lake	10590.5*	Max WS	27.24	27.24	0.00	0.00			60.81		779.79
Hempstead Lake	10579.8*	Max WS	27.24	27.24	0.00	0.00			60.64		782.16
Hempstead Lake	10569.23	Max WS	27.24	27.24	0.00	0.00			60.64		784.73
Hempstead Lake	10549.1*	Max WS	27.24	27.24	0.00	0.00			60.48		787.24
Hempstead Lake	10529.0*	Max WS	27.24	27.24	0.00	0.00			60.80		789.98
Hempstead Lake	10508.9*	Max WS	27.24	27.24	0.00	0.00			60.48		792.81
Hempstead Lake	10488.7*	Max WS	27.24	27.24	0.00	0.00			60.32		796.09
Hempstead Lake	10468.6*	Max WS	27.24	27.24	0.00	0.00			60.80		799.52
Hempstead Lake	10448.5*	Max WS	27.24	27.24	0.00	0.00			60.64		803.29
Hempstead Lake	10428.4*	Max WS	27.24	27.24	0.00	0.00			60.48		807.81
Hempstead Lake	10408.3*	Max WS	27.24	27.24	0.00	0.00			60.79		813.09
Hempstead Lake	10388.2*	Max WS	27.24	27.24	0.00	0.00			60.64		818.82
Hempstead Lake	10368.1*	Max WS	27.24	27.24	0.00	0.00			60.48		824.99
Hempstead Lake	10348.0*	Max WS	27.24	27.24	0.00	0.00			60.48		831.54
Hempstead Lake	10327.9*	Max WS	27.24	27.24	0.00	0.00			60.63		838.68
Hempstead Lake	10307.8*	Max WS	27.24	27.24	0.00	0.00			60.94		846.24
Hempstead Lake	10287.7*	Max WS	27.24	27.24	0.00	0.00			60.78		854.51
Hempstead Lake	10267.6*	Max WS	27.24	27.24	0.00	0.00			60.63		856.72
Hempstead Lake	10247.4*	Max WS	27.24	27.24	0.00	0.00			60.32		857.98
Hempstead Lake	10227.3*	Max WS	27.24	27.24	0.00	0.00			60.78		859.22
Hempstead Lake	10207.2*	Max WS	27.24	27.24	0.00	0.00			60.63		860.43
Hempstead Lake	10187.1*	Max WS	27.24	27.24	0.00	0.00			60.48		861.44
Hempstead Lake	10167.0*	Max WS	27.24	27.24	0.00	0.00			60.77		862.45
Hempstead Lake	10146.9*	Max WS	27.24	27.24	0.00	0.00			60.92		863.34
Hempstead Lake	10126.8*	Max WS	27.24	27.24	0.00	0.00			60.62		864.35
Hempstead Lake	10106.7*	Max WS	27.24	27.24	0.00	0.00			60.47		865.19
Hempstead Lake	10086.6*	Max WS	27.24	27.24	0.00	0.00			60.77		866.00
Hempstead Lake	10066.5*	Max WS	27.24	27.24	0.00	0.00			60.47		866.96
Hempstead Lake	10046.4*	Max WS	27.24	27.24	0.00	0.00			60.47		867.70
Hempstead Lake	10026.2*	Max WS	27.24	27.24	0.00	0.00			60.62		868.48

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	27.24	27.24	0.00	0.00			60.91		869.23
Hempstead Lake	9986.073	Max WS	27.24	27.24	0.00	0.00			60.61		870.07
Hempstead Lake	9965.77*	Max WS	27.24	27.24	0.00	0.00			60.90		869.50
Hempstead Lake	9945.47*	Max WS	27.24	27.24	0.00	0.00			60.76		868.98
Hempstead Lake	9925.18*	Max WS	27.24	27.24	0.00	0.00			60.47		868.65
Hempstead Lake	9904.88*	Max WS	27.24	27.24	0.00	0.00			60.61		867.95
Hempstead Lake	9884.59*	Max WS	27.24	27.24	0.00	0.00			60.61		866.85
Hempstead Lake	9864.29*	Max WS	27.24	27.24	0.00	0.00			60.75		865.73
Hempstead Lake	9843.99*	Max WS	27.24	27.24	0.00	0.00			60.61		864.25
Hempstead Lake	9823.7*	Max WS	27.24	27.24	0.00	0.00			60.61		862.79
Hempstead Lake	9803.40*	Max WS	27.24	27.24	0.00	0.00			60.61		860.98
Hempstead Lake	9783.10*	Max WS	27.24	27.24	0.00	0.00			60.74		859.01
Hempstead Lake	9762.81*	Max WS	27.24	27.24	0.00	0.00			60.47		857.08
Hempstead Lake	9742.51*	Max WS	27.24	27.24	0.00	0.00			60.74		854.84
Hempstead Lake	9722.21*	Max WS	27.24	27.24	0.00	0.00			60.74		852.56
Hempstead Lake	9701.92*	Max WS	27.24	27.24	0.00	0.00			60.74		850.15
Hempstead Lake	9681.62*	Max WS	27.24	27.24	0.00	0.00			60.87		847.54
Hempstead Lake	9661.32*	Max WS	27.24	27.24	0.00	0.00			60.73		844.84
Hempstead Lake	9641.03*	Max WS	27.24	27.24	0.00	0.00			60.86		842.09
Hempstead Lake	9620.73*	Max WS	27.24	27.24	0.00	0.00			60.61		839.21
Hempstead Lake	9600.43*	Max WS	27.24	27.24	0.00	0.00			60.73		836.18
Hempstead Lake	9580.14*	Max WS	27.24	27.24	0.00	0.00			60.60		833.15
Hempstead Lake	9559.84*	Max WS	27.24	27.24	0.00	0.00			60.73		829.94
Hempstead Lake	9539.54*	Max WS	27.24	27.24	0.00	0.00			60.60		826.65
Hempstead Lake	9519.25*	Max WS	27.24	27.24	0.00	0.00			60.60		823.41
Hempstead Lake	9498.95*	Max WS	27.24	27.24	0.00	0.00			60.60		819.99
Hempstead Lake	9478.65*	Max WS	27.24	27.24	0.00	0.00			60.60		816.51
Hempstead Lake	9458.36*	Max WS	27.24	27.24	0.00	0.00			60.47		813.05
Hempstead Lake	9438.06*	Max WS	27.24	27.24	0.00	0.00			60.72		809.28
Hempstead Lake	9417.76*	Max WS	27.24	27.24	0.00	0.00			60.84		805.53
Hempstead Lake	9397.47*	Max WS	27.24	27.24	0.00	0.00			60.59		801.80
Hempstead Lake	9377.17*	Max WS	27.24	27.24	0.00	0.00			60.72		797.92
Hempstead Lake	9356.87*	Max WS	27.24	27.24	0.00	0.00			60.59		793.99
Hempstead Lake	9336.58*	Max WS	27.24	27.24	0.00	0.00			60.59		790.10
Hempstead Lake	9316.28*	Max WS	27.24	27.24	0.00	0.00			60.35		786.02
Hempstead Lake	9295.98*	Max WS	27.24	27.24	0.00	0.00			60.59		781.99
Hempstead Lake	9275.69*	Max WS	27.24	27.24	0.00	0.00			60.47		777.97
Hempstead Lake	9255.39*	Max WS	27.24	27.24	0.00	0.00			60.71		773.86
Hempstead Lake	9235.09*	Max WS	27.24	27.24	0.00	0.00			60.70		769.74
Hempstead Lake	9214.80*	Max WS	27.24	27.24	0.00	0.00			60.47		765.66
Hempstead Lake	9194.50*	Max WS	27.24	27.24	0.00	0.00			60.70		761.42
Hempstead Lake	9174.20*	Max WS	27.24	27.24	0.00	0.00			60.82		757.32
Hempstead Lake	9153.910	Max WS	27.24	27.24	0.00	0.00			60.58		753.17
Hempstead Lake	9133.22*	Max WS	27.24	27.24	0.00	0.00			62.70		756.29
Hempstead Lake	9112.54*	Max WS	27.24	27.24	0.00	0.00			62.47		759.32
Hempstead Lake	9091.85*	Max WS	27.24	27.24	0.00	0.00			62.70		762.37
Hempstead Lake	9071.17*	Max WS	27.24	27.24	0.00	0.00			62.47		765.32
Hempstead Lake	9050.49*	Max WS	27.24	27.24	0.00	0.00			62.58		768.10
Hempstead Lake	9029.80*	Max WS	27.24	27.24	0.00	0.00			62.69		770.81
Hempstead Lake	9009.12*	Max WS	27.24	27.24	0.00	0.00			62.58		773.57
Hempstead Lake	8988.44*	Max WS	27.24	27.24	0.00	0.00			62.69		776.14
Hempstead Lake	8967.75*	Max WS	27.24	27.24	0.00	0.00			62.47		778.32
Hempstead Lake	8947.07*	Max WS	27.24	27.24	0.00	0.00			62.58		780.18
Hempstead Lake	8926.39*	Max WS	27.24	27.24	0.00	0.00			62.69		781.90
Hempstead Lake	8905.70*	Max WS	27.24	27.24	0.00	0.00			62.47		783.72
Hempstead Lake	8885.02*	Max WS	27.24	27.24	0.00	0.00			62.58		785.30
Hempstead Lake	8864.33*	Max WS	27.24	27.24	0.00	0.00			62.47		787.04
Hempstead Lake	8843.65*	Max WS	27.24	27.24	0.00	0.00			62.68		789.46
Hempstead Lake	8822.97*	Max WS	27.24	27.24	0.00	0.00			62.68		791.80
Hempstead Lake	8802.28*	Max WS	27.24	27.24	0.00	0.00			62.58		793.97
Hempstead Lake	8781.60*	Max WS	27.24	27.24	0.00	0.00			62.57		796.13
Hempstead Lake	8760.92*	Max WS	27.24	27.24	0.00	0.00			62.67		798.11
Hempstead Lake	8740.23*	Max WS	27.24	27.24	0.00	0.00			62.47		800.09
Hempstead Lake	8719.55*	Max WS	27.24	27.24	0.00	0.00			62.57		801.83
Hempstead Lake	8698.86*	Max WS	27.24	27.24	0.00	0.00			62.77		803.55
Hempstead Lake	8678.18*	Max WS	27.24	27.24	0.00	0.00			62.57		805.10
Hempstead Lake	8657.50*	Max WS	27.24	27.24	0.00	0.00			62.57		806.62
Hempstead Lake	8636.81*	Max WS	27.24	27.24	0.00	0.00			62.67		807.95
Hempstead Lake	8616.13*	Max WS	27.24	27.24	0.00	0.00			62.47		809.18
Hempstead Lake	8595.45*	Max WS	27.24	27.24	0.00	0.00			62.56		810.27
Hempstead Lake	8574.76*	Max WS	27.24	27.24	0.00	0.00			62.76		811.17
Hempstead Lake	8554.08*	Max WS	27.24	27.24	0.00	0.00			62.66		811.98

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	27.24	27.24	0.00	0.00			62.56		812.77
Hempstead Lake	8512.71*	Max WS	27.24	27.24	0.00	0.00			62.76		813.18
Hempstead Lake	8492.03*	Max WS	27.24	27.24	0.00	0.00			62.47		813.46
Hempstead Lake	8471.34*	Max WS	27.24	27.24	0.00	0.00			62.56		813.51
Hempstead Lake	8450.66*	Max WS	27.24	27.24	0.00	0.00			62.66		813.74
Hempstead Lake	8429.980	Max WS	27.24	27.24	0.00	0.00			62.56		790.23
Hempstead Lake	8416.34*	Max WS	27.24	27.24	0.00	0.00			62.65		800.11
Hempstead Lake	8402.71*	Max WS	27.24	27.24	0.00	0.00			62.65		819.28
Hempstead Lake	8389.07*	Max WS	27.24	27.24	0.00	0.00			62.75		827.31
Hempstead Lake	8375.44*	Max WS	27.24	27.24	0.00	0.00			62.47		832.08
Hempstead Lake	8361.81*	Max WS	27.24	27.24	0.00	0.00			62.56		836.66
Hempstead Lake	8348.17*	Max WS	27.24	27.24	0.00	0.00			62.65		841.36
Hempstead Lake	8334.54*	Max WS	27.24	27.24	0.00	0.00			62.74		846.08
Hempstead Lake	8320.91*	Max WS	27.24	27.24	0.00	0.00			62.74		850.80
Hempstead Lake	8307.27*	Max WS	27.24	27.24	0.00	0.00			62.56		855.62
Hempstead Lake	8293.64*	Max WS	27.24	27.24	0.00	0.00			62.56		860.60
Hempstead Lake	8280.00*	Max WS	27.24	27.24	0.00	0.00			62.65		865.44
Hempstead Lake	8266.37*	Max WS	27.24	27.24	0.00	0.00			62.65		870.35
Hempstead Lake	8252.74*	Max WS	27.24	27.24	0.00	0.00			62.73		875.30
Hempstead Lake	8239.10*	Max WS	27.24	27.24	0.00	0.00			62.73		880.29
Hempstead Lake	8225.47*	Max WS	27.24	27.24	0.00	0.00			62.55		885.37
Hempstead Lake	8211.84*	Max WS	27.24	27.24	0.00	0.00			62.64		890.48
Hempstead Lake	8198.20*	Max WS	27.24	27.24	0.00	0.00			62.64		895.79
Hempstead Lake	8184.57*	Max WS	27.24	27.24	0.00	0.00			62.64		901.03
Hempstead Lake	8170.93*	Max WS	27.24	27.24	0.00	0.00			62.55		906.24
Hempstead Lake	8157.30*	Max WS	27.24	27.24	0.00	0.00			62.47		911.52
Hempstead Lake	8143.67*	Max WS	27.24	27.24	0.00	0.00			62.64		916.92
Hempstead Lake	8130.03*	Max WS	27.24	27.24	0.00	0.00			62.64		922.40
Hempstead Lake	8116.40*	Max WS	27.24	27.24	0.00	0.00			62.55		928.03
Hempstead Lake	8102.76*	Max WS	27.24	27.24	0.00	0.00			62.72		933.55
Hempstead Lake	8089.13*	Max WS	27.24	27.24	0.00	0.00			62.47		939.22
Hempstead Lake	8075.50*	Max WS	27.24	27.24	0.00	0.00			62.55		944.98
Hempstead Lake	8061.86*	Max WS	27.24	27.24	0.00	0.00			62.55		950.81
Hempstead Lake	8048.23*	Max WS	27.24	27.24	0.00	0.00			62.63		956.58
Hempstead Lake	8034.6*	Max WS	27.24	27.24	0.00	0.00			62.63		962.47
Hempstead Lake	8020.96*	Max WS	27.24	27.24	0.00	0.00			62.71		968.58
Hempstead Lake	8007.33*	Max WS	27.24	27.24	0.00	0.00			62.71		974.75
Hempstead Lake	7993.69*	Max WS	27.24	27.24	0.00	0.00			62.70		981.01
Hempstead Lake	7980.06*	Max WS	27.24	27.24	0.00	0.00			62.55		987.38
Hempstead Lake	7966.43*	Max WS	27.24	27.24	0.00	0.00			62.63		993.39
Hempstead Lake	7952.79*	Max WS	27.24	27.24	0.00	0.00			62.63		999.43
Hempstead Lake	7939.16*	Max WS	27.24	27.24	0.00	0.00			62.62		1005.52
Hempstead Lake	7925.53*	Max WS	27.24	27.24	0.00	0.00			62.62		1011.43
Hempstead Lake	7911.89*	Max WS	27.24	27.24	0.00	0.00			62.47		1016.31
Hempstead Lake	7898.26*	Max WS	27.24	27.24	0.00	0.00			62.47		1020.31
Hempstead Lake	7884.62*	Max WS	27.24	27.24	0.00	0.00			62.55		1024.01
Hempstead Lake	7870.99*	Max WS	27.24	27.24	0.00	0.00			62.55		1027.64
Hempstead Lake	7857.36*	Max WS	27.24	27.24	0.00	0.00			62.62		1031.20
Hempstead Lake	7843.72*	Max WS	27.24	27.24	0.00	0.00			62.62		1034.72
Hempstead Lake	7830.09*	Max WS	27.24	27.24	0.00	0.00			62.61		1038.12
Hempstead Lake	7816.45*	Max WS	27.24	27.24	0.00	0.00		0.00	62.69		1041.51
Hempstead Lake	7802.82*	Max WS	27.24	27.24	0.00	0.00		0.00	62.47		1044.79
Hempstead Lake	7789.19*	Max WS	27.24	27.24	0.00	0.00		0.00	62.54		1048.03
Hempstead Lake	7775.55*	Max WS	27.24	27.24	0.00	0.00		0.00	62.54		1051.16
Hempstead Lake	7761.92*	Max WS	27.24	27.24	0.00	0.00		0.00	62.54		1054.36
Hempstead Lake	7748.29*	Max WS	27.24	27.24	0.00	0.00		0.00	62.54		1057.53
Hempstead Lake	7734.65*	Max WS	27.24	27.24	0.00	0.00		0.00	62.54		1060.69
Hempstead Lake	7721.02*	Max WS	27.24	27.24	0.00	0.00		0.00	62.67		1063.87
Hempstead Lake	7707.38*	Max WS	27.24	27.24	0.00	0.00		0.00	62.60		1066.93
Hempstead Lake	7693.75*	Max WS	27.24	27.24	0.00	0.00		0.00	62.67		1070.03
Hempstead Lake	7680.12*	Max WS	27.24	27.24	0.00	0.00		0.00	62.67		1073.12
Hempstead Lake	7666.48*	Max WS	27.24	27.24	0.00	0.00		0.00	62.67		1076.19
Hempstead Lake	7652.85*	Max WS	27.24	27.24	0.00	0.00		0.00	62.53		1079.25
Hempstead Lake	7639.22*	Max WS	27.24	27.24	0.00	0.00		0.00	62.60		1082.22
Hempstead Lake	7625.58*	Max WS	27.24	27.24	0.00	0.00		0.00	62.60		1085.24
Hempstead Lake	7611.95*	Max WS	27.24	27.24	0.00	0.00		0.01	62.53		1088.26
Hempstead Lake	7598.31*	Max WS	27.24	27.24	0.00	0.00		0.01	62.53		1091.27
Hempstead Lake	7584.68*	Max WS	27.24	27.24	0.00	0.00		0.01	62.65		1094.27
Hempstead Lake	7571.05*	Max WS	27.24	27.24	0.00	0.00		0.01	62.59		1097.21
Hempstead Lake	7557.41*	Max WS	27.24	27.24	0.00	0.00		0.01	62.59		1100.20
Hempstead Lake	7543.783	Max WS	27.24	27.24	0.00	0.00		0.01	62.58		1103.17
Hempstead Lake	7530.03*	Max WS	27.24	27.24	0.00	0.00		0.01	64.64		1105.77

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	27.24	27.24	0.00	0.00		0.01	64.64		1108.48
Hempstead Lake	7502.53*	Max WS	27.24	27.24	0.00	0.00		0.01	64.58		1110.82
Hempstead Lake	7488.79*	Max WS	27.24	27.24	0.00	0.00		0.01	64.53		1112.83
Hempstead Lake	7475.04*	Max WS	27.24	27.24	0.00	0.00		0.00	64.58		1114.73
Hempstead Lake	7461.29*	Max WS	27.24	27.24	0.00	0.00		0.00	64.58		1116.39
Hempstead Lake	7447.54*	Max WS	27.24	27.24	0.00	0.00		0.00	64.53		1118.17
Hempstead Lake	7433.79*	Max WS	27.24	27.24	0.00	0.00		0.00	64.64		1120.07
Hempstead Lake	7420.04*	Max WS	27.24	27.24	0.00	0.00		0.00	64.64		1121.94
Hempstead Lake	7406.3*	Max WS	27.24	27.24	0.00	0.00		0.00	64.63		1123.86
Hempstead Lake	7392.55*	Max WS	27.24	27.24	0.00	0.00		0.00	64.58		1125.62
Hempstead Lake	7378.80*	Max WS	27.24	27.24	0.00	0.00		0.00	64.63		1127.31
Hempstead Lake	7365.05*	Max WS	27.24	27.24	0.00	0.00		0.00	64.53		1129.07
Hempstead Lake	7351.30*	Max WS	27.24	27.24	0.00	0.00		0.00	64.63		1130.63
Hempstead Lake	7337.55*	Max WS	27.24	27.24	0.00	0.00		0.00	64.58		1132.18
Hempstead Lake	7323.81*	Max WS	27.24	27.24	0.00	0.00		0.00	64.48		1133.72
Hempstead Lake	7310.06*	Max WS	27.24	27.24	0.00	0.00		0.00	64.43		1135.13
Hempstead Lake	7296.31*	Max WS	27.24	27.24	0.00	0.00		0.00	64.52		1136.43
Hempstead Lake	7282.56*	Max WS	27.24	27.24	0.00	0.00			64.52		1137.85
Hempstead Lake	7268.81*	Max WS	27.24	27.24	0.00	0.00			64.57		1139.08
Hempstead Lake	7255.06*	Max WS	27.24	27.24	0.00	0.00			64.57		1140.39
Hempstead Lake	7241.32*	Max WS	27.24	27.24	0.00	0.00			64.52		1141.92
Hempstead Lake	7227.57*	Max WS	27.24	27.24	0.00	0.00			64.57		1143.34
Hempstead Lake	7213.82*	Max WS	27.24	27.24	0.00	0.00			64.57		1144.77
Hempstead Lake	7200.07*	Max WS	27.24	27.24	0.00	0.00			64.57		1146.22
Hempstead Lake	7186.32*	Max WS	27.24	27.24	0.00	0.00			64.61		1147.55
Hempstead Lake	7172.57*	Max WS	27.24	27.24	0.00	0.00			64.56		1148.87
Hempstead Lake	7158.83*	Max WS	27.24	27.24	0.00	0.00			64.52		1149.85
Hempstead Lake	7145.08*	Max WS	27.24	27.24	0.00	0.00			64.56		1150.75
Hempstead Lake	7131.33*	Max WS	27.24	27.24	0.00	0.00			64.60		1151.45
Hempstead Lake	7117.58*	Max WS	27.24	27.24	0.00	0.00			64.48		1152.11
Hempstead Lake	7103.83*	Max WS	27.24	27.24	0.00	0.00			64.56		1152.77
Hempstead Lake	7090.08*	Max WS	27.24	27.24	0.00	0.00			64.52		1153.49
Hempstead Lake	7076.34*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1154.27
Hempstead Lake	7062.59*	Max WS	27.24	27.24	0.00	0.00			64.48	0.00	1155.07
Hempstead Lake	7048.84*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1155.89
Hempstead Lake	7035.09*	Max WS	27.24	27.24	0.00	0.00			64.55	0.00	1156.74
Hempstead Lake	7021.34*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1157.62
Hempstead Lake	7007.6*	Max WS	27.24	27.24	0.00	0.00			64.59	0.00	1158.52
Hempstead Lake	6993.85*	Max WS	27.24	27.24	0.00	0.00			64.55	0.00	1159.44
Hempstead Lake	6980.10*	Max WS	27.24	27.24	0.00	0.00			64.51	0.00	1160.21
Hempstead Lake	6966.35*	Max WS	27.24	27.24	0.00	0.00			64.55	0.00	1160.38
Hempstead Lake	6952.60*	Max WS	27.24	27.24	0.00	0.00			64.54	0.00	1160.57
Hempstead Lake	6938.85*	Max WS	27.24	27.24	0.00	0.00			64.57	0.00	1160.77
Hempstead Lake	6925.11*	Max WS	27.24	27.24	0.00	0.00			64.54	0.00	1160.99
Hempstead Lake	6911.36*	Max WS	27.24	27.24	0.00	0.00			64.57	0.01	1161.20
Hempstead Lake	6897.61*	Max WS	27.24	27.24	0.00	0.00			64.54	0.01	1161.49
Hempstead Lake	6883.86*	Max WS	27.24	27.24	0.00	0.00			64.53	0.01	1161.72
Hempstead Lake	6870.11*	Max WS	27.24	27.24	0.00	0.00			64.56	0.01	1161.98
Hempstead Lake	6856.36*	Max WS	27.24	27.24	0.00	0.00			64.56	0.01	1162.26
Hempstead Lake	6842.62*	Max WS	27.24	27.24	0.00	0.00			64.56	0.01	1162.53
Hempstead Lake	6828.87*	Max WS	27.24	27.24	0.00	0.00			64.53	0.01	1162.79
Hempstead Lake	6815.12*	Max WS	27.24	27.24	0.00	0.00			64.55	0.02	1163.07
Hempstead Lake	6801.37*	Max WS	27.24	27.24	0.00	0.00			64.54	0.02	1163.35
Hempstead Lake	6787.62*	Max WS	27.24	27.24	0.00	0.00			64.54	0.02	1163.66
Hempstead Lake	6773.87*	Max WS	27.24	27.24	0.00	0.00			64.54	0.02	1163.93
Hempstead Lake	6760.13*	Max WS	27.24	27.24	0.00	0.00			64.53	0.02	1164.21
Hempstead Lake	6746.38*	Max WS	27.24	27.24	0.00	0.00			64.51	0.03	1164.48
Hempstead Lake	6732.634	Max WS	27.24	27.24	0.00	0.00			64.44	0.07	1164.76
Hempstead Lake	6718.98*	Max WS	27.24	27.24	0.00	0.00			64.51	0.02	1162.75
Hempstead Lake	6705.33*	Max WS	27.24	27.24	0.00	0.00			64.53	0.02	1160.72
Hempstead Lake	6691.68*	Max WS	27.24	27.24	0.00	0.00			64.51	0.02	1158.63
Hempstead Lake	6678.03*	Max WS	27.24	27.24	0.00	0.00			64.49	0.02	1156.48
Hempstead Lake	6664.38*	Max WS	27.24	27.24	0.00	0.00			64.49	0.01	1154.33
Hempstead Lake	6650.72*	Max WS	27.24	27.24	0.00	0.00			64.52	0.01	1151.96
Hempstead Lake	6637.07*	Max WS	27.24	27.24	0.00	0.00			64.50	0.01	1149.05
Hempstead Lake	6623.42*	Max WS	27.24	27.24	0.00	0.00			64.50	0.01	1146.18
Hempstead Lake	6609.77*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1143.42
Hempstead Lake	6596.12*	Max WS	27.24	27.24	0.00	0.00			64.50	0.00	1140.62
Hempstead Lake	6582.47*	Max WS	27.24	27.24	0.00	0.00			64.50	0.00	1136.69
Hempstead Lake	6568.82*	Max WS	27.24	27.24	0.00	0.00			64.50	0.00	1133.84
Hempstead Lake	6555.17*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1131.15
Hempstead Lake	6541.52*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1128.68

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	27.24	27.24	0.00	0.00			64.52	0.00	1126.27
Hempstead Lake	6514.22*	Max WS	27.24	27.24	0.00	0.00			64.50	0.00	1123.95
Hempstead Lake	6500.57*	Max WS	27.24	27.24	0.00	0.00			64.50	0.00	1121.73
Hempstead Lake	6486.91*	Max WS	27.24	27.24	0.00	0.00			64.52		1119.65
Hempstead Lake	6473.26*	Max WS	27.24	27.24	0.00	0.00			64.51		1117.69
Hempstead Lake	6459.61*	Max WS	27.24	27.24	0.00	0.00			64.50		1115.80
Hempstead Lake	6445.96*	Max WS	27.24	27.24	0.00	0.00			64.50		1113.96
Hempstead Lake	6432.31*	Max WS	27.24	27.24	0.00	0.00			64.51		1112.17
Hempstead Lake	6418.66*	Max WS	27.24	27.24	0.00	0.00			64.51		1110.50
Hempstead Lake	6405.01*	Max WS	27.24	27.24	0.00	0.00			64.51		1108.81
Hempstead Lake	6391.36*	Max WS	27.24	27.24	0.00	0.00			64.50		1107.14
Hempstead Lake	6377.71*	Max WS	27.24	27.24	0.00	0.00			64.51		1105.51
Hempstead Lake	6364.06*	Max WS	27.24	27.24	0.00	0.00			64.50		1103.92
Hempstead Lake	6350.41*	Max WS	27.24	27.24	0.00	0.00			64.50		1102.42
Hempstead Lake	6336.76*	Max WS	27.24	27.24	0.00	0.00			64.50		1100.87
Hempstead Lake	6323.11*	Max WS	27.24	27.24	0.00	0.00			64.50		1099.36
Hempstead Lake	6309.45*	Max WS	27.24	27.24	0.00	0.00			64.50		1097.86
Hempstead Lake	6295.80*	Max WS	27.24	27.24	0.00	0.00			64.50		1096.47
Hempstead Lake	6282.15*	Max WS	27.24	27.24	0.00	0.00			64.50		1095.00
Hempstead Lake	6268.507	Max WS	27.24	27.24	0.00	0.00			64.49		1093.57
Hempstead Lake	6259.72*	Max WS	27.24	27.24	0.00	0.00			64.50		1105.81
Hempstead Lake	6250.93*	Max WS	27.24	27.24	0.00	0.00			64.49		1121.44
Hempstead Lake	6242.14*	Max WS	27.24	27.24	0.00	0.00			64.50		1137.06
Hempstead Lake	6233.35*	Max WS	27.24	27.24	0.00	0.00			64.49		1135.00
Hempstead Lake	6224.57*	Max WS	27.24	27.24	0.00	0.00			64.49		1117.87
Hempstead Lake	6215.78*	Max WS	27.24	27.24	0.00	0.00			64.49		1112.83
Hempstead Lake	6206.99*	Max WS	27.24	27.24	0.00	0.00			64.49		1144.21
Hempstead Lake	6198.21*	Max WS	27.24	27.24	0.00	0.00			64.49		1177.38
Hempstead Lake	6189.42*	Max WS	27.24	27.24	0.00	0.00			64.49		1211.89
Hempstead Lake	6180.638	Max WS	27.24	27.24	0.00	0.00			64.49		1247.39
Hempstead Lake	6177.638	Max WS	27.24	27.24	0.00				64.49		1244.96
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	14.43	14.41	0.03	0.01			42.39		
Hempstead Lake	5930.638	Max WS	14.43	14.40	0.03	0.01			42.34		
Hempstead Lake	5880.638	Max WS	14.42	14.39	0.03	0.01			42.30		
Hempstead Lake	5830.638	Max WS	14.41	14.39	0.03	0.01			42.16		
Hempstead Lake	5780.638	Max WS	14.41	14.38	0.03	0.01			42.16		
Hempstead Lake	5730.638	Max WS	14.40	14.37	0.03	0.01			42.16		
Hempstead Lake	5680.638	Max WS	14.39	14.36	0.03	0.01			42.16		
Hempstead Lake	5630.638	Max WS	14.38	14.36	0.03	0.01			42.16		
Hempstead Lake	5580.638	Max WS	14.38	14.35	0.03	0.01			42.14		
Hempstead Lake	5530.638	Max WS	14.37	14.34	0.03	0.01			42.09		
Hempstead Lake	5480.638	Max WS	14.36	14.34	0.03	0.02			42.05		
Hempstead Lake	5430.638	Max WS	14.32	14.31	0.01	0.02			41.89		
Hempstead Lake	5380.638	Max WS	14.28	14.27	0.01	0.02			41.66		
Hempstead Lake	5330.638	Max WS	14.24	14.23	0.01	0.01			41.41		
Hempstead Lake	5307.48*	Max WS	14.23	14.22	0.01	0.01			41.34		10.00
Hempstead Lake	5284.32*	Max WS	14.22	14.21	0.01	0.01			41.29		9.00
Hempstead Lake	5261.17*	Max WS	14.21	14.20	0.01	0.01			41.20		8.00
Hempstead Lake	5238.01*	Max WS	14.19	14.18	0.01	0.01			41.10		7.00
Hempstead Lake	5214.85*	Max WS	14.18	14.18	0.00	0.00			41.08		170.27
Hempstead Lake	5191.70*	Max WS	14.17	14.17	0.00	0.00			41.03		281.28
Hempstead Lake	5168.54*	Max WS	14.17	14.17	0.00	0.00			41.02		319.96
Hempstead Lake	5145.39*	Max WS	14.17	14.17	0.00	0.00			41.02		335.98
Hempstead Lake	5122.23*	Max WS	14.17	14.17	0.00	0.00			41.02		344.87
Hempstead Lake	5099.07*	Max WS	14.17	14.17	0.00	0.00			41.02		350.58
Hempstead Lake	5075.922	Max WS	14.17	14.17	0.00	0.00			41.01		357.56
Hempstead Lake	5055.96*	Max WS	14.17	14.17	0.00	0.00			41.01		367.45
Hempstead Lake	5036.01*	Max WS	14.17	14.17	0.00	0.00			41.01		391.44
Hempstead Lake	5016.05*	Max WS	14.17	14.17	0.00	0.00			41.01		426.57
Hempstead Lake	4996.10*	Max WS	14.17	14.17	0.00	0.00			41.00		571.50
Hempstead Lake	4976.14*	Max WS	14.17	14.17	0.00	0.00			41.00		580.55
Hempstead Lake	4956.192	Max WS	14.17	14.17	0.00	0.00			41.00		583.71
Hempstead Lake	4936.44*	Max WS	14.17	14.17	0.00	0.00			40.99		600.67
Hempstead Lake	4916.69*	Max WS	14.17	14.17	0.00	0.00			40.99		625.04
Hempstead Lake	4896.94*	Max WS	14.17	14.17	0.00	0.00			40.99		677.08
Hempstead Lake	4877.19*	Max WS	14.17	14.17	0.00	0.00			40.98		721.57
Hempstead Lake	4857.44*	Max WS	14.17	14.17	0.00	0.00			40.98		767.08
Hempstead Lake	4837.697	Max WS	14.17	14.17	0.00	0.00			40.97		803.29
Hempstead Lake	4817.64*	Max WS	14.17	14.17	0.00	0.00			192.30		797.74
Hempstead Lake	4797.59*	Max WS	14.17	14.17	0.00	0.00			192.29		793.49
Hempstead Lake	4777.53*	Max WS	14.17	14.17	0.00	0.00			192.29		790.74

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	14.17	14.17	0.00	0.00			192.28		789.70
Hempstead Lake	4737.42*	Max WS	14.17	14.17	0.00	0.00		0.00	192.28		789.60
Hempstead Lake	4717.37*	Max WS	14.17	14.17	0.00	0.00		0.01	192.26		790.34
Hempstead Lake	4697.32*	Max WS	14.17	14.17	0.00	0.00		0.04	192.23		791.77
Hempstead Lake	4677.26*	Max WS	14.17	14.17	0.00	0.00		0.10	192.16		794.09
Hempstead Lake	4657.21*	Max WS	14.17	14.17	0.00	0.00		0.19	192.06		797.30
Hempstead Lake	4637.16*	Max WS	14.17	14.17	0.00	0.00		0.34	191.91		800.81
Hempstead Lake	4617.10*	Max WS	14.17	14.17	0.00	0.00		0.57	191.67		801.97
Hempstead Lake	4597.05*	Max WS	14.17	14.17	0.00	0.00		0.88	191.36		803.35
Hempstead Lake	4577.*	Max WS	14.17	14.17	0.00	0.00		1.23	191.00		804.41
Hempstead Lake	4556.94*	Max WS	14.17	14.17	0.00	0.00		1.65	190.58		805.16
Hempstead Lake	4536.893	Max WS	14.17	14.17	0.00	0.00		1.44	190.78		805.70
Hempstead Lake	4516.70*	Max WS	14.17	14.17	0.00	0.00		2.79	196.89		805.10
Hempstead Lake	4496.51*	Max WS	14.17	14.17	0.00	0.00		2.93	196.74		805.33
Hempstead Lake	4476.32*	Max WS	14.17	14.17	0.00	0.00		3.00	196.67		806.70
Hempstead Lake	4456.14*	Max WS	14.17	14.17	0.00	0.00		3.14	196.53		809.17
Hempstead Lake	4435.95*	Max WS	14.17	14.17	0.00	0.00		3.29	196.37		816.30
Hempstead Lake	4415.76*	Max WS	14.17	14.17	0.00	0.00		3.34	196.31		821.49
Hempstead Lake	4395.57*	Max WS	14.17	14.17	0.00	0.00		3.49	196.16		826.45
Hempstead Lake	4375.38*	Max WS	14.17	14.17	0.00	0.00		3.51	196.13		828.30
Hempstead Lake	4355.20*	Max WS	14.17	14.17	0.00	0.00		3.63	196.01		829.14
Hempstead Lake	4335.01*	Max WS	14.17	14.17	0.00	0.00		3.74	195.89	0.00	829.82
Hempstead Lake	4314.82*	Max WS	14.17	14.17	0.00	0.00		3.73	195.88	0.01	830.07
Hempstead Lake	4294.63*	Max WS	14.17	14.17	0.00	0.00		3.84	195.75	0.03	830.10
Hempstead Lake	4274.44*	Max WS	14.17	14.17	0.00	0.00		3.83	195.73	0.06	829.89
Hempstead Lake	4254.26*	Max WS	14.17	14.17	0.00	0.00		3.93	195.58	0.10	829.57
Hempstead Lake	4234.07*	Max WS	14.17	14.17	0.00	0.00		4.02	195.41	0.16	829.13
Hempstead Lake	4213.88*	Max WS	14.17	14.17	0.00	0.00		4.00	195.36	0.24	828.54
Hempstead Lake	4193.69*	Max WS	14.17	14.17	0.00	0.00		4.10	195.16	0.33	827.87
Hempstead Lake	4173.50*	Max WS	14.17	14.17	0.00	0.00		4.07	195.09	0.43	827.06
Hempstead Lake	4153.320	Max WS	14.17	14.17	0.00	0.00		1.68	197.34	0.55	826.22
Hempstead Lake	4131.85*	Max WS	14.17	14.17	0.00	0.00		3.42	201.64	0.60	824.22
Hempstead Lake	4110.38*	Max WS	14.17	14.17	0.00	0.00		2.84	202.17	0.64	821.85
Hempstead Lake	4088.91*	Max WS	14.17	14.17	0.00	0.00		2.37	202.58	0.69	818.99
Hempstead Lake	4067.44*	Max WS	14.17	14.17	0.00	0.00		1.87	203.03	0.74	815.54
Hempstead Lake	4045.97*	Max WS	14.17	14.17	0.00	0.00		1.45	203.38	0.80	810.79
Hempstead Lake	4024.50*	Max WS	14.17	14.17	0.00	0.00		1.15	203.61	0.87	805.28
Hempstead Lake	4003.034	Max WS	14.17	14.17	0.00	0.00		0.34	204.33	0.94	800.04
Hempstead Lake	3984.01*	Max WS	14.17	14.17	0.00	0.00		0.46	204.52	0.63	783.21
Hempstead Lake	3964.99*	Max WS	14.17	14.17	0.00	0.00		0.29	204.97	0.35	765.86
Hempstead Lake	3945.97*	Max WS	14.17	14.17	0.00	0.00		0.13	205.35	0.12	747.95
Hempstead Lake	3926.95*	Max WS	14.17	14.17	0.00	0.00		0.02	205.56	0.01	725.87
Hempstead Lake	3907.93*	Max WS	14.17	14.17	0.00	0.00			205.59		704.68
Hempstead Lake	3888.916	Max WS	14.17	14.17	0.00	0.00			207.59		677.35
Hempstead Lake	3883.916	Max WS	14.17	14.17	0.00				207.59		675.20
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	11.12	11.05	0.07	0.00			200.20		191.67
Hempstead Lake	3858.916	Max WS	11.09	11.09	0.00	0.00			200.44		195.22
Hempstead Lake	3826.579	Max WS	11.10	11.06	0.04	0.00			200.28		61.99
Hempstead Lake	3821.579	Max WS	11.12	10.93	0.18				199.37		32.87
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	10.74	10.64	0.11	0.00			196.83		25.90
Hempstead Lake	3736.579	Max WS	10.74	10.67	0.07	0.02			197.24		27.32
Hempstead Lake	3699.46*	Max WS	10.73	10.67	0.06	0.02			197.16		34.61
Hempstead Lake	3662.35*	Max WS	10.71	10.66	0.05	0.02			197.08		42.36
Hempstead Lake	3625.24*	Max WS	10.70	10.65	0.05	0.02			197.08		56.63
Hempstead Lake	3588.13*	Max WS	10.66	10.65	0.02	0.01			197.00		172.48
Hempstead Lake	3551.028	Max WS	10.65	10.64	0.01	0.00			196.99		232.28
Hempstead Lake	3531.67*	Max WS	10.65	10.64	0.01	0.00			196.99		212.30
Hempstead Lake	3512.33*	Max WS	10.64	10.64	0.01	0.00			196.92		197.56
Hempstead Lake	3492.98*	Max WS	10.64	10.63	0.01	0.00			196.92		186.48
Hempstead Lake	3473.63*	Max WS	10.64	10.63	0.01	0.00			196.92		178.78
Hempstead Lake	3454.28*	Max WS	10.63	10.62	0.01	0.00			196.92		171.93
Hempstead Lake	3434.93*	Max WS	10.63	10.62	0.01	0.00			196.86		166.18
Hempstead Lake	3415.58*	Max WS	10.63	10.62	0.01	0.00			196.86		160.85
Hempstead Lake	3396.239	Max WS	10.63	10.62	0.01	0.00			196.86		156.64
Hempstead Lake	3376.88*	Max WS	10.62	10.61	0.01	0.00			196.86		157.45
Hempstead Lake	3357.52*	Max WS	10.62	10.61	0.01	0.00			196.86		158.59
Hempstead Lake	3338.16*	Max WS	10.62	10.61	0.01	0.00			196.86		159.35
Hempstead Lake	3318.80*	Max WS	10.62	10.61	0.01	0.00			196.85		160.27
Hempstead Lake	3299.44*	Max WS	10.61	10.61	0.01	0.00			196.85		160.92
Hempstead Lake	3280.08*	Max WS	10.61	10.60	0.01	0.00			196.81		161.89

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	10.61	10.60	0.01	0.00			196.81		162.47
Hempstead Lake	3241.37*	Max WS	10.61	10.60	0.01	0.00			196.81		163.02
Hempstead Lake	3222.01*	Max WS	10.60	10.60	0.01	0.00			196.81		163.87
Hempstead Lake	3202.65*	Max WS	10.60	10.59	0.01	0.00			196.80		164.33
Hempstead Lake	3183.29*	Max WS	10.60	10.59	0.01	0.00			196.80		164.87
Hempstead Lake	3163.93*	Max WS	10.60	10.59	0.01	0.00			196.80		165.25
Hempstead Lake	3144.581	Max WS	10.59	10.59	0.01	0.00			196.80		165.78
Hempstead Lake	3124.73*	Max WS	10.59	10.59	0.01	0.00			196.80		166.86
Hempstead Lake	3104.89*	Max WS	10.59	10.58	0.01	0.00			196.80		168.08
Hempstead Lake	3085.04*	Max WS	10.59	10.58	0.01	0.00			196.80		169.38
Hempstead Lake	3065.2*	Max WS	10.59	10.58	0.01	0.00			196.79		170.29
Hempstead Lake	3045.35*	Max WS	10.59	10.58	0.01	0.00			196.79		171.71
Hempstead Lake	3025.51*	Max WS	10.59	10.58	0.01	0.00			196.79		172.93
Hempstead Lake	3005.66*	Max WS	10.58	10.58	0.01	0.00			196.79		174.18
Hempstead Lake	2985.81*	Max WS	10.58	10.58	0.01	0.00			196.79		175.08
Hempstead Lake	2965.974	Max WS	10.58	10.58	0.01	0.00			196.79		176.29
Hempstead Lake	2951.87*	Max WS	10.58	10.58	0.01	0.00			196.79		178.69
Hempstead Lake	2937.77*	Max WS	10.58	10.57	0.01	0.00			196.79		181.26
Hempstead Lake	2923.67*	Max WS	10.58	10.57	0.01	0.00			196.78		183.70
Hempstead Lake	2909.57*	Max WS	10.58	10.57	0.01	0.00			196.78		186.22
Hempstead Lake	2895.47*	Max WS	10.58	10.57	0.01	0.00			196.78		188.61
Hempstead Lake	2881.37*	Max WS	10.57	10.57	0.01	0.00			196.78		191.38
Hempstead Lake	2867.27*	Max WS	10.57	10.57	0.01	0.00			196.78		193.91
Hempstead Lake	2853.17*	Max WS	10.57	10.57	0.01	0.00			196.78		196.72
Hempstead Lake	2839.07*	Max WS	10.57	10.57	0.01	0.00			196.78		199.19
Hempstead Lake	2824.98*	Max WS	10.57	10.56	0.01	0.00			196.78		202.09
Hempstead Lake	2810.88*	Max WS	10.57	10.56	0.01	0.00			196.78		204.76
Hempstead Lake	2796.78*	Max WS	10.57	10.56	0.01	0.00			196.78		207.62
Hempstead Lake	2782.68*	Max WS	10.57	10.56	0.01	0.00			196.78		210.36
Hempstead Lake	2768.58*	Max WS	10.57	10.56	0.01	0.00			196.78		213.46
Hempstead Lake	2754.48*	Max WS	10.56	10.56	0.01	0.00			196.78		216.13
Hempstead Lake	2740.38*	Max WS	10.56	10.56	0.01	0.00			196.75		219.34
Hempstead Lake	2726.28*	Max WS	10.56	10.56	0.01	0.00			196.75		222.28
Hempstead Lake	2712.18*	Max WS	10.56	10.56	0.01	0.00			196.75		225.82
Hempstead Lake	2698.08*	Max WS	10.56	10.55	0.01	0.00			196.75		228.68
Hempstead Lake	2683.98*	Max WS	10.56	10.55	0.01	0.00			196.74		231.89
Hempstead Lake	2669.88*	Max WS	10.56	10.55	0.01	0.00			196.74		235.58
Hempstead Lake	2655.78*	Max WS	10.56	10.55	0.01	0.00			196.74		238.40
Hempstead Lake	2641.68*	Max WS	10.56	10.55	0.01	0.00			196.74		242.02
Hempstead Lake	2627.58*	Max WS	10.55	10.55	0.01	0.00			196.74		245.44
Hempstead Lake	2613.48*	Max WS	10.55	10.55	0.01	0.00			196.74		249.07
Hempstead Lake	2599.38*	Max WS	10.55	10.55	0.01	0.00			196.74		252.77
Hempstead Lake	2585.29*	Max WS	10.55	10.55	0.01	0.00			196.74		256.86
Hempstead Lake	2571.19*	Max WS	10.55	10.55	0.01	0.00			196.74		261.17
Hempstead Lake	2557.091	Max WS	10.55	10.54	0.01	0.00			196.68		263.91
Hempstead Lake	2552.091	Max WS	10.57	10.48	0.09				196.45		56.01
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	10.31	10.23	0.08	0.00			195.40		36.69
Hempstead Lake	2487.091	Max WS	10.28	10.27	0.00	0.00			195.66		323.87
Hempstead Lake	2477.12*	Max WS	10.27	10.27	0.00	0.00			195.66		319.40
Hempstead Lake	2467.14*	Max WS	10.27	10.27	0.00	0.00			195.66		314.80
Hempstead Lake	2457.17*	Max WS	10.27	10.27	0.00	0.00			195.66		310.36
Hempstead Lake	2447.20*	Max WS	10.27	10.27	0.00	0.00			195.59		305.80
Hempstead Lake	2437.23*	Max WS	10.27	10.27	0.00	0.00			195.58		301.53
Hempstead Lake	2427.26*	Max WS	10.27	10.26	0.00	0.00			195.58		296.99
Hempstead Lake	2417.29*	Max WS	10.27	10.26	0.00	0.00			195.58		292.64
Hempstead Lake	2407.32*	Max WS	10.27	10.26	0.00	0.00			195.58		288.44
Hempstead Lake	2397.35*	Max WS	10.26	10.26	0.00	0.00			195.58		283.69
Hempstead Lake	2387.37*	Max WS	10.26	10.26	0.00	0.00			195.50		279.37
Hempstead Lake	2377.40*	Max WS	10.26	10.26	0.00	0.00			195.50		261.11
Hempstead Lake	2367.43*	Max WS	10.26	10.26	0.00	0.00			195.50		252.86
Hempstead Lake	2357.46*	Max WS	10.26	10.25	0.00	0.00			195.50		246.80
Hempstead Lake	2347.49*	Max WS	10.26	10.25	0.00	0.00			195.50		241.39
Hempstead Lake	2337.52*	Max WS	10.26	10.25	0.00	0.00			195.50		237.27
Hempstead Lake	2327.55*	Max WS	10.25	10.25	0.00	0.00			195.40		233.49
Hempstead Lake	2317.58*	Max WS	10.25	10.25	0.00	0.00			195.40		231.73
Hempstead Lake	2307.60*	Max WS	10.25	10.25	0.00	0.00			195.40		230.73
Hempstead Lake	2297.63*	Max WS	10.25	10.25	0.00	0.00			195.40		238.68
Hempstead Lake	2287.66*	Max WS	10.25	10.25	0.00	0.00			195.40		266.10
Hempstead Lake	2277.69*	Max WS	10.25	10.25	0.00	0.00			195.40		290.74
Hempstead Lake	2267.72*	Max WS	10.25	10.24	0.00	0.00			195.40		315.94
Hempstead Lake	2257.752	Max WS	10.25	10.24	0.00	0.00			195.40		341.07

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	10.25	10.24	0.01	0.00			195.29		331.86
Hempstead Lake	2247.752	Max WS	10.25	10.21	0.04				194.96		314.95
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	10.02	10.01	0.01	0.00			191.37		61.39
Hempstead Lake	2192.75*	Max WS	10.02	10.02	0.01	0.00			191.37		106.72
Hempstead Lake	2187.752	Max WS	10.02	10.02	0.00	0.00		14.54	176.83		232.45
Hempstead Lake	2178.63*	Max WS	10.02	10.02	0.00	0.00		9.50	181.86		223.26
Hempstead Lake	2169.52*	Max WS	10.02	10.02	0.01	0.00		5.25	186.11		213.87
Hempstead Lake	2160.40*	Max WS	10.02	10.02	0.01	0.00		2.02	189.33		204.33
Hempstead Lake	2151.29*	Max WS	10.02	10.02	0.01	0.00		0.30	191.06		165.51
Hempstead Lake	2142.17*	Max WS	10.02	10.02	0.01	0.00			191.35		92.92
Hempstead Lake	2133.05*	Max WS	10.02	10.02	0.01	0.00			191.35		90.98
Hempstead Lake	2123.94*	Max WS	10.02	10.01	0.01	0.00			191.35		89.16
Hempstead Lake	2114.82*	Max WS	10.02	10.01	0.01	0.00			191.35		87.51
Hempstead Lake	2105.71*	Max WS	10.02	10.01	0.01	0.00			191.34		86.04
Hempstead Lake	2096.59*	Max WS	10.02	10.01	0.01	0.00			191.34		84.62
Hempstead Lake	2087.48*	Max WS	10.02	10.01	0.01	0.00			191.34		83.30
Hempstead Lake	2078.36*	Max WS	10.02	10.01	0.01	0.00			191.34		81.45
Hempstead Lake	2069.25*	Max WS	10.02	10.01	0.01	0.00			191.34		79.27
Hempstead Lake	2060.13*	Max WS	10.02	10.01	0.01	0.00			191.34		77.18
Hempstead Lake	2051.01*	Max WS	10.02	10.01	0.01	0.00			191.34		75.24
Hempstead Lake	2041.90*	Max WS	10.02	10.01	0.01	0.00			191.34		73.34
Hempstead Lake	2032.78*	Max WS	10.02	10.01	0.01	0.00			191.34		71.61
Hempstead Lake	2023.67*	Max WS	10.02	10.01	0.01	0.00			191.34		69.94
Hempstead Lake	2014.55*	Max WS	10.02	10.00	0.01	0.00			191.34		68.39
Hempstead Lake	2005.44*	Max WS	10.02	10.00	0.01	0.00			191.34		66.83
Hempstead Lake	1996.32*	Max WS	10.01	10.00	0.01	0.00			191.34		65.41
Hempstead Lake	1987.20*	Max WS	10.01	10.00	0.01	0.00			191.34		64.03
Hempstead Lake	1978.09*	Max WS	10.01	10.00	0.01	0.00			191.18		62.74
Hempstead Lake	1968.97*	Max WS	10.01	10.00	0.01	0.00			191.18		61.42
Hempstead Lake	1959.86*	Max WS	10.01	10.00	0.01	0.00			191.18		60.23
Hempstead Lake	1950.747	Max WS	10.01	10.00	0.01	0.00			191.18		59.04
Hempstead Lake	1945.747	Max WS	10.02	9.95	0.07				189.75		17.59
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	9.79	9.69	0.10	0.00			180.88		14.00
Hempstead Lake	1880.747	Max WS	9.74	9.74	0.00	0.00			182.48		129.22
Hempstead Lake	1848.83*	Max WS	9.74	9.74	0.00	0.00			182.65		389.13
Hempstead Lake	1816.92*	Max WS	9.74	9.74	0.00	0.00			182.65		627.44
Hempstead Lake	1785.01*	Max WS	9.74	9.74	0.00	0.00		0.00	182.64	0.00	819.89
Hempstead Lake	1753.104	Max WS	9.74	9.74	0.00	0.00		0.10	182.53	0.01	1004.08
Hempstead Lake	1732.65*	Max WS	9.74	9.74	0.00	0.00		0.30	182.28	0.05	1010.23
Hempstead Lake	1712.21*	Max WS	9.74	9.74	0.00	0.00		0.35	182.13	0.14	1020.06
Hempstead Lake	1691.76*	Max WS	9.74	9.74	0.00	0.00		0.42	181.89	0.31	1035.14
Hempstead Lake	1671.32*	Max WS	9.74	9.74	0.00	0.00		0.49	181.50	0.62	1053.69
Hempstead Lake	1650.87*	Max WS	9.74	9.74	0.00	0.00		0.57	180.89	1.14	1079.81
Hempstead Lake	1630.434	Max WS	9.74	9.74	0.00	0.00		0.32	180.21	2.08	1176.39
Hempstead Lake	1610.36*	Max WS	9.74	9.74	0.00	0.00		0.44	180.35	1.80	1100.45
Hempstead Lake	1590.30*	Max WS	9.74	9.74	0.00	0.00		0.21	180.90	1.48	1060.42
Hempstead Lake	1570.23*	Max WS	9.74	9.74	0.00	0.00		0.07	181.32	1.20	1036.36
Hempstead Lake	1550.17*	Max WS	9.74	9.74	0.00	0.00		0.01	181.63	0.94	1011.88
Hempstead Lake	1530.10*	Max WS	9.74	9.74	0.00	0.00		0.00	181.87	0.71	986.32
Hempstead Lake	1510.03*	Max WS	9.74	9.74	0.00	0.00			182.07	0.50	960.11
Hempstead Lake	1489.97*	Max WS	9.74	9.74	0.00	0.00			182.23	0.33	933.00
Hempstead Lake	1469.90*	Max WS	9.74	9.74	0.00	0.00			182.36	0.20	904.63
Hempstead Lake	1449.83*	Max WS	9.74	9.74	0.00	0.00			182.45	0.11	874.52
Hempstead Lake	1429.77*	Max WS	9.74	9.74	0.00	0.00			182.51	0.04	843.63
Hempstead Lake	1409.707	Max WS	9.74	9.74	0.00	0.00			182.52	0.03	807.66
Hempstead Lake	1389.03*	Max WS	9.74	9.74	0.00	0.00			1933.31	0.27	811.76
Hempstead Lake	1368.35*	Max WS	9.74	9.74	0.00	0.00			1933.09	0.48	814.93
Hempstead Lake	1347.67*	Max WS	9.74	9.74	0.00	0.00			1932.78	0.79	816.42
Hempstead Lake	1326.99*	Max WS	9.74	9.74	0.00	0.00			1932.40	1.16	816.77
Hempstead Lake	1306.32*	Max WS	9.74	9.73	0.00	0.00			1931.89	1.66	816.95
Hempstead Lake	1285.64*	Max WS	9.74	9.73	0.00	0.00			1931.37	2.18	816.78
Hempstead Lake	1264.96*	Max WS	9.74	9.73	0.00	0.00			1930.79	2.75	816.61
Hempstead Lake	1244.28*	Max WS	9.74	9.73	0.00	0.00			1930.15	3.39	816.11
Hempstead Lake	1223.61*	Max WS	9.74	9.73	0.00	0.00			1929.44	4.09	815.74
Hempstead Lake	1202.93*	Max WS	9.74	9.73	0.00	0.00			1928.69	4.84	815.12
Hempstead Lake	1182.25*	Max WS	9.74	9.73	0.00	0.00			1927.87	5.66	814.68
Hempstead Lake	1161.57*	Max WS	9.74	9.73	0.00	0.00			1926.97	6.55	814.44
Hempstead Lake	1140.90*	Max WS	9.74	9.73	0.00	0.00			1926.01	7.50	814.08
Hempstead Lake	1120.22*	Max WS	9.74	9.73	0.00	0.00			1924.70	8.81	814.00
Hempstead Lake	1099.54*	Max WS	9.74	9.73	0.00	0.00			1923.59	9.91	813.74

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	9.74	9.73	0.00	0.00			1922.41	11.09	813.82
Hempstead Lake	1058.19*	Max WS	9.74	9.73	0.00	0.00			1921.20	12.30	813.94
Hempstead Lake	1037.515	Max WS	9.74	9.73	0.00	0.00			1903.64	29.85	814.31
Hempstead Lake	1017.08*	Max WS	9.74	9.73	0.00	0.00		0.01	1926.02	14.65	809.20
Hempstead Lake	996.645*	Max WS	9.74	9.73	0.00	0.00		0.12	1922.59	17.97	804.18
Hempstead Lake	976.210*	Max WS	9.74	9.73	0.00	0.00		0.38	1919.19	21.09	798.59
Hempstead Lake	955.775*	Max WS	9.74	9.73	0.00	0.00		0.93	1914.71	25.03	792.93
Hempstead Lake	935.340*	Max WS	9.74	9.73	0.00	0.00		1.77	1910.00	28.89	787.14
Hempstead Lake	914.905*	Max WS	9.74	9.73	0.00	0.00		3.09	1903.97	33.61	781.13
Hempstead Lake	894.471*	Max WS	9.74	9.73	0.00	0.00		5.06	1897.60	38.00	775.07
Hempstead Lake	874.036*	Max WS	9.73	9.73	0.00	0.00		7.64	1889.63	43.38	768.78
Hempstead Lake	853.601*	Max WS	9.73	9.73	0.00	0.00		10.85	1881.29	48.51	762.42
Hempstead Lake	833.166*	Max WS	9.73	9.73	0.00	0.00		15.20	1870.78	54.68	756.12
Hempstead Lake	812.731*	Max WS	9.73	9.73	0.00	0.00		20.87	1859.45	60.33	749.58
Hempstead Lake	792.296*	Max WS	9.73	9.73	0.00	0.00		27.60	1845.85	67.21	743.10
Hempstead Lake	771.862	Max WS	9.73	9.73	0.00	0.00		14.23	1858.70	67.71	736.44
Hempstead Lake	750.331*	Max WS	9.73	9.73	0.00	0.00		18.89	1867.17	57.06	721.14
Hempstead Lake	728.8*	Max WS	9.73	9.73	0.00	0.00		7.89	1890.67	44.56	701.36
Hempstead Lake	707.269*	Max WS	9.73	9.73	0.00	0.00		2.19	1907.38	33.54	675.90
Hempstead Lake	685.738*	Max WS	9.73	9.73	0.00	0.00		0.19	1917.97	24.95	650.60
Hempstead Lake	664.207*	Max WS	9.73	9.73	0.00	0.00			1925.32	17.78	632.79
Hempstead Lake	642.676*	Max WS	9.73	9.73	0.00	0.00			1930.84	12.26	615.74
Hempstead Lake	621.145*	Max WS	9.73	9.73	0.00	0.00			1935.38	7.72	600.37
Hempstead Lake	599.614*	Max WS	9.73	9.73	0.00	0.00			1938.86	4.25	585.71
Hempstead Lake	578.083*	Max WS	9.73	9.73	0.00	0.00			1940.78	2.33	567.47
Hempstead Lake	556.552*	Max WS	9.73	9.73	0.00	0.00			1941.94	1.16	547.06
Hempstead Lake	535.021*	Max WS	9.73	9.73	0.00	0.00			1942.64	0.46	531.92
Hempstead Lake	513.490	Max WS	9.73	9.73	0.00	0.00			1942.77	0.32	519.24
Hempstead Lake	493.038*	Max WS	9.73	9.73	0.00	0.00			1950.70	0.02	502.32
Hempstead Lake	472.587*	Max WS	9.73	9.72	0.01	0.00			1950.71		485.25
Hempstead Lake	452.136*	Max WS	9.73	9.72	0.01	0.00			1950.71		471.55
Hempstead Lake	431.685*	Max WS	9.73	9.72	0.01	0.00			1950.71		458.34
Hempstead Lake	411.234*	Max WS	9.73	9.71	0.01	0.00			1950.71		444.83
Hempstead Lake	390.783*	Max WS	9.72	9.70	0.02	0.00			1950.71		430.63
Hempstead Lake	370.332*	Max WS	9.72	9.68	0.04	0.01			1950.71		415.45
Hempstead Lake	349.881*	Max WS	9.71	9.64	0.08	0.01			1950.71		380.33
Hempstead Lake	329.430*	Max WS	9.70	9.56	0.14	0.02			1950.70		137.75
Hempstead Lake	308.979*	Max WS	9.69	9.53	0.16	0.02			1950.70		127.56
Hempstead Lake	288.528*	Max WS	9.67	9.48	0.19	0.03			1950.70		120.89
Hempstead Lake	268.077*	Max WS	9.64	9.42	0.22	0.03			1950.70		115.13
Hempstead Lake	247.626*	Max WS	9.61	9.35	0.26	0.04			1950.70		110.03
Hempstead Lake	227.175*	Max WS	9.56	9.26	0.30	0.04			1950.70		105.54
Hempstead Lake	206.724	Max WS	9.52	9.16	0.37	0.01			1950.70		101.70
Hempstead Lake	201.724	Max WS	9.52	9.31	0.20				1950.70		113.01
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	4.82	4.47	0.35	0.01		563.48	1387.22		123.71
Hempstead Lake	166.724	Max WS	4.81	4.46	0.35			563.44	1387.26		123.69

EXIST 25 YEAR 8/26/15

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	2894.02	26.48	32.27		32.46	0.000912	3.46	836.43	445.07	0.33
Hempstead Lake	15523.7*	Max WS	2893.99	26.43	32.22		32.40	0.005062	3.39	852.54	447.06	0.32
Hempstead Lake	15503.5*	Max WS	2893.54	26.38	32.12		32.30	0.004871	3.39	853.01	445.75	0.32
Hempstead Lake	15483.3*	Max WS	2893.52	26.34	32.02		32.20	0.004607	3.40	850.03	444.47	0.33
Hempstead Lake	15463.0*	Max WS	2893.49	26.29	31.93		32.11	0.004396	3.43	843.71	443.19	0.33
Hempstead Lake	15442.8*	Max WS	2893.17	26.24	31.84		32.02	0.004358	3.47	834.49	441.09	0.34
Hempstead Lake	15422.5*	Max WS	2893.16	26.19	31.75		31.94	0.004245	3.52	820.96	438.62	0.35
Hempstead Lake	15402.3*	Max WS	2893.14	26.15	31.65		31.85	0.004205	3.61	802.10	434.55	0.36
Hempstead Lake	15382.1*	Max WS	2893.11	26.10	31.55		31.77	0.004388	3.71	778.79	428.89	0.38
Hempstead Lake	15361.8*	Max WS	2892.90	26.05	31.44		31.68	0.004531	3.86	748.85	420.33	0.41
Hempstead Lake	15341.6*	Max WS	2892.89	26.00	31.32		31.58	0.005037	4.07	711.49	407.76	0.44
Hempstead Lake	15321.4*	Max WS	2892.88	25.96	31.19		31.48	0.005646	4.35	664.74	391.01	0.49
Hempstead Lake	15301.1*	Max WS	2892.87	25.91	31.02		31.38	0.006787	4.77	606.40	366.42	0.57
Hempstead Lake	15280.9*	Max WS	2892.72	25.86	30.81		31.26	0.006958	5.35	540.68	296.66	0.61
Hempstead Lake	15260.7*	Max WS	947.85	25.81	30.62		30.67	0.000775	1.92	493.70	268.28	0.22
Hempstead Lake	15240.4*	Max WS	934.56	25.77	30.60		30.66	0.000658	1.92	485.73	262.64	0.22
Hempstead Lake	15220.2*	Max WS	924.97	25.72	30.59		30.64	0.000589	1.94	477.73	257.04	0.22
Hempstead Lake	15200.02	Max WS	919.29	25.67	30.57		30.63	0.000494	1.96	470.01	251.37	0.22
Hempstead Lake	15180.7*	Max WS	928.74	25.24	30.59		30.63	0.000317	1.51	613.79	279.42	0.16
Hempstead Lake	15161.4*	Max WS	932.55	24.82	30.60		30.62	0.000215	1.20	775.42	309.03	0.12
Hempstead Lake	15142.1*	Max WS	936.35	24.39	30.60		30.62	0.000167	0.97	963.70	365.74	0.10
Hempstead Lake	15122.8*	Max WS	938.24	23.96	30.60		30.61	0.000118	0.80	1176.88	401.12	0.08
Hempstead Lake	15103.5*	Max WS	938.24	23.53	30.61		30.61	0.000084	0.67	1408.46	429.81	0.06
Hempstead Lake	15084.2*	Max WS	938.23	23.11	30.61		30.61	0.000065	0.57	1657.16	455.34	0.05
Hempstead Lake	15064.9*	Max WS	938.23	22.68	30.61		30.61	0.000049	0.49	1921.53	478.89	0.04
Hempstead Lake	15045.6*	Max WS	938.22	22.25	30.61		30.61	0.000038	0.43	2202.05	496.51	0.03
Hempstead Lake	15026.4*	Max WS	938.22	21.82	30.61		30.61	0.000030	0.38	2498.80	489.83	0.03
Hempstead Lake	15007.1*	Max WS	938.21	21.40	30.61		30.61	0.000024	0.33	2810.34	510.58	0.02
Hempstead Lake	14987.82	Max WS	938.21	20.97	30.61		30.61	0.000003	0.30	3138.39	532.22	0.02
Hempstead Lake	14966.6*	Max WS	947.62	20.84	30.61		30.61	0.000017	0.28	3355.83	524.96	0.02
Hempstead Lake	14945.4*	Max WS	947.62	20.72	30.61		30.61	0.000014	0.26	3583.64	539.61	0.02
Hempstead Lake	14924.3*	Max WS	947.61	20.59	30.61		30.61	0.000012	0.25	3823.55	556.72	0.02
Hempstead Lake	14903.1*	Max WS	947.60	20.46	30.61		30.61	0.000010	0.23	4073.12	574.51	0.02
Hempstead Lake	14882.*	Max WS	947.59	20.34	30.61		30.61	0.000009	0.22	4333.18	592.87	0.01
Hempstead Lake	14860.8*	Max WS	947.58	20.21	30.61		30.61	0.000007	0.21	4603.41	611.57	0.01
Hempstead Lake	14839.6*	Max WS	947.57	20.08	30.61		30.61	0.000006	0.19	4882.33	630.45	0.01
Hempstead Lake	14818.5*	Max WS	947.56	19.96	30.61		30.61	0.000005	0.18	5171.63	649.59	0.01
Hempstead Lake	14797.35	Max WS	947.55	19.83	30.61		30.61	0.000001	0.17	5469.78	668.93	0.01
Hempstead Lake	14777.4*	Max WS	947.54	19.81	30.61		30.61	0.000004	0.17	5609.63	682.40	0.01
Hempstead Lake	14757.4*	Max WS	947.52	19.80	30.61		30.61	0.000004	0.16	5750.96	695.92	0.01
Hempstead Lake	14737.5*	Max WS	947.51	19.78	30.61		30.61	0.000003	0.16	5892.92	709.58	0.01
Hempstead Lake	14717.5*	Max WS	947.50	19.76	30.61		30.61	0.000003	0.16	6037.38	723.23	0.01
Hempstead Lake	14697.6*	Max WS	947.49	19.74	30.61		30.61	0.000003	0.15	6182.87	737.11	0.01
Hempstead Lake	14677.6*	Max WS	947.47	19.73	30.61		30.61	0.000002	0.15	6329.77	751.11	0.01
Hempstead Lake	14657.7*	Max WS	947.46	19.71	30.61		30.61	0.000002	0.15	6478.10	765.18	0.01
Hempstead Lake	14637.7*	Max WS	947.45	19.69	30.61		30.61	0.000002	0.14	6628.26	779.43	0.01
Hempstead Lake	14617.8*	Max WS	947.43	19.67	30.61		30.61	0.000002	0.14	6779.75	793.75	0.01
Hempstead Lake	14597.8*	Max WS	947.42	19.65	30.61		30.61	0.000001	0.14	6933.21	808.25	0.01
Hempstead Lake	14577.9*	Max WS	947.40	19.64	30.61		30.61	0.000001	0.13	7086.54	822.87	0.01
Hempstead Lake	14557.9*	Max WS	947.38	19.62	30.61		30.61	0.000001	0.13	7243.69	837.52	0.01
Hempstead Lake	14538.0*	Max WS	947.37	19.60	30.61		30.61	0.000001	0.13	7400.83	851.89	0.01
Hempstead Lake	14518.0*	Max WS	947.35	19.58	30.61		30.61	0.000001	0.13	7561.52	866.48	0.01
Hempstead Lake	14498.1*	Max WS	947.34	19.57	30.61		30.61	0.000001	0.12	7721.15	881.22	0.01
Hempstead Lake	14478.1*	Max WS	947.32	19.55	30.61		30.61	0.000001	0.12	7884.91	896.16	0.01
Hempstead Lake	14458.2*	Max WS	947.31	19.53	30.61		30.61	0.000000	0.12	8049.67	911.32	0.01
Hempstead Lake	14438.2*	Max WS	947.29	19.51	30.61		30.61	0.000000	0.12	8216.75	926.69	0.01
Hempstead Lake	14418.3*	Max WS	947.27	19.50	30.61		30.61	0.000000	0.11	8384.06	942.87	0.01
Hempstead Lake	14398.37	Max WS	947.25	19.48	30.61		30.61	0.000000	0.11	8556.23	959.02	0.01
Hempstead Lake	14378.3*	Max WS	947.24	19.48	30.61		30.61	0.000000	0.11	8382.06	944.18	0.01
Hempstead Lake	14358.3*	Max WS	947.22	19.49	30.61		30.61	0.000000	0.12	8208.50	929.25	0.01
Hempstead Lake	14338.2*	Max WS	947.21	19.49	30.61		30.61	0.000000	0.12	8040.74	914.58	0.01
Hempstead Lake	14318.2*	Max WS	947.19	19.49	30.61		30.61	0.000000	0.12	7873.58	899.94	0.01
Hempstead Lake	14298.2*	Max WS	947.18	19.49	30.61		30.61	0.000000	0.12	7708.82	885.39	0.01
Hempstead Lake	14278.1*	Max WS	947.16	19.50	30.61		30.61	0.000000	0.13	7546.61	871.03	0.01
Hempstead Lake	14258.1*	Max WS	947.15	19.50	30.61		30.61	0.000000	0.13	7387.27	856.68	0.01
Hempstead Lake	14238.1*	Max WS	947.13	19.50	30.61		30.61	0.000000	0.13	7230.32	842.59	0.01
Hempstead Lake	14218.0*	Max WS	947.12	19.50	30.61		30.61	0.000000	0.13	7075.15	828.42	0.01
Hempstead Lake	14198.0*	Max WS	947.11	19.51	30.61		30.61	0.000000	0.14	6922.98	814.62	0.01
Hempstead Lake	14178.0*	Max WS	947.09	19.51	30.61		30.61	0.000000	0.14	6773.31	800.88	0.01
Hempstead Lake	14157.9*	Max WS	947.08	19.51	30.61		30.61	0.000000	0.14	6626.18	787.38	0.01
Hempstead Lake	14137.9*	Max WS	947.07	19.51	30.61		30.61	0.000000	0.15	6481.94	774.09	0.01
Hempstead Lake	14117.9*	Max WS	947.06	19.52	30.61		30.61	0.000001	0.15	6340.09	760.57	0.01
Hempstead Lake	14097.8*	Max WS	947.05	19.52	30.61		30.61	0.000001	0.15	6200.98	746.93	0.01
Hempstead Lake	14077.8*	Max WS	947.04	19.52	30.61		30.61	0.000001	0.16	6064.40	733.16	0.01
Hempstead Lake	14057.8*	Max WS	947.03	19.52	30.61		30.61	0.000001	0.16	5930.32	719.36	0.01
Hempstead Lake	14037.7*	Max WS	947.02	19.53	30.61		30.61	0.000001	0.16	5800.55	716.13	0.01
Hempstead Lake	14017.75	Max WS	947.01	19.53	30.61		30.61	0.000001	0.17	5672.09	716.26	0.01
Hempstead Lake	13998.2*	Max WS	947.00	19.61	30.61		30.61	0.000001	0.17	5597.50	723.20	0.01
Hempstead Lake	13978.6*	Max WS	946.99	19.69	30.61		30.61	0.000001	0.17	5429.36	730.68	0.01
Hempstead Lake	13959.1*	Max WS	946.98	19.77	30.61		30.61	0.000002	0.18	5185.02	745.63	0.01
Hempstead Lake	13939.6*	Max WS	946.97	19.85	30.61		30.61	0.000002	0.19	4876.20	762.86	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	946.96	19.94	30.61		30.61	0.000003	0.21	4512.16	780.20	0.01
Hempstead Lake	13900.5*	Max WS	946.95	20.02	30.61		30.61	0.000004	0.23	4102.14	797.66	0.02
Hempstead Lake	13881.*	Max WS	946.95	20.10	30.60		30.61	0.000005	0.26	3707.58	815.16	0.02
Hempstead Lake	13861.4*	Max WS	946.94	20.18	30.60		30.61	0.000007	0.28	3358.59	832.78	0.02
Hempstead Lake	13841.9*	Max WS	946.93	20.26	30.60		30.61	0.000010	0.31	3071.82	850.44	0.02
Hempstead Lake	13822.3*	Max WS	946.92	20.34	30.60		30.61	0.000013	0.34	2820.38	868.16	0.02
Hempstead Lake	13802.8*	Max WS	946.91	20.42	30.60		30.61	0.000016	0.36	2600.51	836.28	0.03
Hempstead Lake	13783.3*	Max WS	946.90	20.50	30.60		30.60	0.000020	0.39	2419.82	772.86	0.03
Hempstead Lake	13763.7*	Max WS	946.89	20.59	30.60		30.60	0.000024	0.42	2280.21	710.63	0.03
Hempstead Lake	13744.2*	Max WS	946.88	20.67	30.60		30.60	0.000031	0.44	2170.99	703.99	0.03
Hempstead Lake	13724.7*	Max WS	946.87	20.75	30.60		30.60	0.000040	0.46	2067.35	698.96	0.03
Hempstead Lake	13705.1*	Max WS	946.86	20.83	30.60		30.60	0.000048	0.48	1967.52	695.10	0.03
Hempstead Lake	13685.63	Max WS	946.85	20.91	30.60		30.60	0.000009	0.51	1871.85	692.27	0.04
Hempstead Lake	13666.4*	Max WS	946.84	21.07	30.60		30.60	0.000004	0.23	4161.39	725.61	0.02
Hempstead Lake	13647.1*	Max WS	946.83	21.23	30.60		30.60	0.000004	0.23	4188.97	760.42	0.02
Hempstead Lake	13627.9*	Max WS	946.83	21.39	30.60		30.60	0.000005	0.23	4177.74	796.85	0.02
Hempstead Lake	13608.7*	Max WS	946.82	21.56	30.60		30.60	0.000005	0.23	4128.48	833.43	0.02
Hempstead Lake	13589.5*	Max WS	946.82	21.72	30.60		30.60	0.000005	0.23	4071.42	925.92	0.02
Hempstead Lake	13570.2*	Max WS	946.82	21.88	30.60		30.60	0.000006	0.24	4033.81	1049.85	0.02
Hempstead Lake	13551.0*	Max WS	946.81	22.04	30.60		30.60	0.000006	0.24	4018.08	1080.48	0.02
Hempstead Lake	13531.8*	Max WS	946.81	22.20	30.60		30.60	0.000005	0.24	3935.76	1086.24	0.02
Hempstead Lake	13512.6*	Max WS	947.44	22.36	30.60		30.60	0.000004	0.25	3825.74	967.85	0.02
Hempstead Lake	13493.3*	Max WS	947.43	22.53	30.60		30.60	0.000003	0.26	3819.19	826.61	0.02
Hempstead Lake	13474.1*	Max WS	947.41	22.69	30.60		30.60	0.000003	0.26	3808.37	738.87	0.02
Hempstead Lake	13454.9*	Max WS	947.40	22.85	30.60		30.60	0.000003	0.26	3801.45	685.47	0.02
Hempstead Lake	13435.72	Max WS	947.39	23.01	30.60		30.60	0.000002	0.26	3775.28	635.14	0.02
Hempstead Lake	13419.3*	Max WS	947.38	23.00	30.60		30.60	0.000003	0.27	3650.16	646.72	0.02
Hempstead Lake	13403.0*	Max WS	947.37	23.00	30.60		30.60	0.000003	0.28	3542.33	647.60	0.02
Hempstead Lake	13386.6*	Max WS	947.37	22.99	30.60		30.60	0.000004	0.28	3448.86	648.59	0.02
Hempstead Lake	13370.3*	Max WS	947.36	22.98	30.60		30.60	0.000004	0.28	3396.98	749.44	0.02
Hempstead Lake	13354.*	Max WS	947.36	22.98	30.60		30.60	0.000004	0.28	3476.74	778.67	0.02
Hempstead Lake	13337.6*	Max WS	947.35	22.97	30.60		30.60	0.000004	0.27	3590.30	782.10	0.02
Hempstead Lake	13321.3*	Max WS	947.92	22.96	30.60		30.60	0.000004	0.26	3727.29	780.84	0.02
Hempstead Lake	13304.9*	Max WS	947.91	22.95	30.60		30.60	0.000004	0.24	3886.59	776.47	0.02
Hempstead Lake	13288.6*	Max WS	947.90	22.95	30.60		30.60	0.000003	0.23	4068.97	769.13	0.02
Hempstead Lake	13272.29	Max WS	947.89	22.94	30.60		30.60	0.000002	0.22	4274.42	760.53	0.02
Hempstead Lake	13255.0*	Max WS	947.88	22.90	30.60		30.60	0.000002	0.22	4377.17	777.48	0.02
Hempstead Lake	13237.8*	Max WS	947.87	22.87	30.60		30.60	0.000002	0.21	4480.79	794.72	0.02
Hempstead Lake	13220.5*	Max WS	947.86	22.83	30.60		30.60	0.000002	0.21	4588.04	811.87	0.02
Hempstead Lake	13203.3*	Max WS	947.85	22.80	30.60		30.60	0.000002	0.20	4695.92	828.98	0.01
Hempstead Lake	13186.0*	Max WS	947.84	22.76	30.60		30.60	0.000002	0.20	4806.29	846.44	0.01
Hempstead Lake	13168.8*	Max WS	947.84	22.72	30.60		30.60	0.000002	0.19	4918.57	863.80	0.01
Hempstead Lake	13151.6*	Max WS	947.83	22.69	30.60		30.60	0.000002	0.19	5032.89	881.14	0.01
Hempstead Lake	13134.3*	Max WS	947.83	22.65	30.60		30.60	0.000002	0.18	5149.37	898.61	0.01
Hempstead Lake	13117.1*	Max WS	947.83	22.62	30.60		30.60	0.000002	0.18	5268.38	915.74	0.01
Hempstead Lake	13099.8*	Max WS	947.82	22.58	30.60		30.60	0.000002	0.18	5389.03	932.88	0.01
Hempstead Lake	13082.6*	Max WS	948.32	22.55	30.60		30.60	0.000002	0.17	5511.24	953.80	0.01
Hempstead Lake	13065.3*	Max WS	948.31	22.51	30.60		30.60	0.000002	0.17	5642.94	990.04	0.01
Hempstead Lake	13048.1*	Max WS	948.29	22.47	30.60		30.60	0.000002	0.16	5782.81	1021.08	0.01
Hempstead Lake	13030.9*	Max WS	948.28	22.44	30.60		30.60	0.000002	0.16	5926.80	1049.85	0.01
Hempstead Lake	13013.6*	Max WS	948.27	22.40	30.60		30.60	0.000002	0.16	6085.22	1109.14	0.01
Hempstead Lake	12996.4*	Max WS	948.26	22.37	30.60		30.60	0.000002	0.15	6241.88	1111.31	0.01
Hempstead Lake	12979.1*	Max WS	948.25	22.33	30.60		30.60	0.000002	0.15	6388.80	1113.38	0.01
Hempstead Lake	12961.9*	Max WS	948.25	22.29	30.60		30.60	0.000002	0.15	6530.17	1114.91	0.01
Hempstead Lake	12944.7*	Max WS	948.24	22.26	30.60		30.60	0.000001	0.14	6662.25	1116.04	0.01
Hempstead Lake	12927.4*	Max WS	948.23	22.22	30.60		30.60	0.000001	0.14	6787.92	1117.15	0.01
Hempstead Lake	12910.2*	Max WS	948.23	22.19	30.60		30.60	0.000001	0.14	6904.75	1118.23	0.01
Hempstead Lake	12892.97	Max WS	948.22	22.15	30.60		30.60	0.000001	0.14	7014.13	1119.19	0.01
Hempstead Lake	12881.0*	Max WS	1104.85	22.12	30.60		30.60	0.000001	0.16	7027.27	1118.53	0.01
Hempstead Lake	12869.1*	Max WS	1104.84	22.09	30.60		30.60	0.000001	0.16	7041.72	1117.93	0.01
Hempstead Lake	12857.1*	Max WS	1104.84	22.06	30.60		30.60	0.000001	0.16	7056.07	1117.32	0.01
Hempstead Lake	12845.2*	Max WS	1104.84	22.03	30.60		30.60	0.000001	0.16	7070.62	1116.70	0.01
Hempstead Lake	12833.3*	Max WS	1104.83	22.00	30.60		30.60	0.000001	0.16	7085.33	1116.10	0.01
Hempstead Lake	12821.4*	Max WS	1105.47	21.97	30.60		30.60	0.000001	0.16	7102.00	1115.47	0.01
Hempstead Lake	12809.4*	Max WS	1104.83	21.94	30.60		30.60	0.000001	0.16	7119.20	1114.92	0.01
Hempstead Lake	12797.5*	Max WS	1105.44	21.92	30.60		30.60	0.000001	0.16	7135.73	1114.24	0.01
Hempstead Lake	12785.6*	Max WS	1105.43	21.89	30.60		30.60	0.000001	0.16	7154.88	1113.62	0.01
Hempstead Lake	12773.7*	Max WS	1104.83	21.86	30.60		30.60	0.000001	0.15	7173.46	1113.04	0.01
Hempstead Lake	12761.7*	Max WS	1104.83	21.83	30.60		30.60	0.000001	0.15	7192.30	1112.42	0.01
Hempstead Lake	12749.8*	Max WS	1105.39	21.80	30.60		30.60	0.000001	0.15	7212.73	1111.82	0.01
Hempstead Lake	12737.9*	Max WS	1105.38	21.77	30.60		30.60	0.000001	0.15	7233.06	1111.23	0.01
Hempstead Lake	12726.0*	Max WS	1105.36	21.74	30.60		30.60	0.000001	0.15	7253.97	1110.61	0.01
Hempstead Lake	12714.0*	Max WS	1105.35	21.71	30.60		30.60	0.000001	0.15	7274.16	1110.07	0.01
Hempstead Lake	12702.1*	Max WS	1105.34	21.68	30.60		30.60	0.000001	0.15	7297.28	1109.43	0.01
Hempstead Lake	12690.2*	Max WS	1105.33	21.65	30.60		30.60	0.000001	0.15	7320.71	1108.78	0.01
Hempstead Lake	12678.3*	Max WS	1105.32	21.62	30.60		30.60	0.000001	0.15	7343.07	1108.26	0.01
Hempstead Lake	12666.3*	Max WS	1105.31	21.59	30.60		30.60	0.000001	0.15	7367.04	1107.63	0.01
Hempstead Lake	12654.4*	Max WS	1105.29	21.56	30.60		30.60	0.000001	0.15	7391.21	1107.08	0.01
Hempstead Lake	12642.5*	Max WS	1105.29	21.53	30.60		30.60	0.000001	0.15	7416.23	1106.46	0.01
Hempstead Lake	12630.6*	Max WS	1105.28	21.50	30.60		30.60	0.000001	0.15	7441.88	1105.84	0.01
Hempstead Lake	12618.6*	Max WS	1105.27	21.47	30.60		30.60	0.000001	0.15	7468.18	1105.27	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	1105.25	21.45	30.60		30.60	0.000001	0.15	7494.58	1104.88	0.01
Hempstead Lake	12594.8*	Max WS	1105.25	21.42	30.60		30.60	0.000001	0.15	7522.44	1104.45	0.01
Hempstead Lake	12582.9*	Max WS	1105.24	21.39	30.60		30.60	0.000001	0.15	7550.56	1103.92	0.01
Hempstead Lake	12570.9*	Max WS	1105.23	21.36	30.60		30.60	0.000001	0.15	7578.96	1103.31	0.01
Hempstead Lake	12559.0*	Max WS	1105.22	21.33	30.60		30.60	0.000001	0.15	7607.14	1102.70	0.01
Hempstead Lake	12547.1*	Max WS	1105.21	21.30	30.60		30.60	0.000001	0.15	7637.32	1102.00	0.01
Hempstead Lake	12535.2*	Max WS	1105.20	21.27	30.60		30.60	0.000001	0.15	7668.29	1101.21	0.01
Hempstead Lake	12523.27	Max WS	1105.19	21.24	30.60		30.60	0.000001	0.15	7698.34	1100.49	0.01
Hempstead Lake	12515.8*	Max WS	1145.84	21.24	30.60		30.60	0.000001	0.15	7661.94	1089.42	0.01
Hempstead Lake	12508.3*	Max WS	1145.84	21.24	30.60		30.60	0.000001	0.15	7628.12	1078.16	0.01
Hempstead Lake	12500.9*	Max WS	1145.83	21.23	30.60		30.60	0.000001	0.15	7596.76	1060.09	0.01
Hempstead Lake	12493.4*	Max WS	1145.83	21.23	30.60		30.60	0.000001	0.15	7573.50	1032.77	0.01
Hempstead Lake	12486.0*	Max WS	1145.83	21.23	30.60		30.60	0.000001	0.15	7558.78	1014.27	0.01
Hempstead Lake	12478.5*	Max WS	1145.82	21.23	30.60		30.60	0.000001	0.15	7546.05	1002.73	0.01
Hempstead Lake	12471.1*	Max WS	1145.82	21.23	30.60		30.60	0.000001	0.15	7534.74	992.73	0.01
Hempstead Lake	12463.7*	Max WS	1145.81	21.23	30.60		30.60	0.000001	0.15	7523.96	983.72	0.01
Hempstead Lake	12456.2*	Max WS	1145.81	21.22	30.60		30.60	0.000002	0.15	7513.70	975.44	0.01
Hempstead Lake	12448.8*	Max WS	1145.80	21.22	30.60		30.60	0.000002	0.15	7503.57	967.50	0.01
Hempstead Lake	12441.3*	Max WS	1145.80	21.22	30.60		30.60	0.000002	0.15	7492.15	960.00	0.01
Hempstead Lake	12433.9*	Max WS	1145.80	21.22	30.60		30.60	0.000002	0.15	7481.53	952.81	0.01
Hempstead Lake	12426.4*	Max WS	1145.79	21.22	30.60		30.60	0.000002	0.15	7472.26	945.82	0.01
Hempstead Lake	12419.0*	Max WS	1145.79	21.21	30.60		30.60	0.000002	0.15	7461.06	939.00	0.01
Hempstead Lake	12411.5*	Max WS	1145.79	21.21	30.60		30.60	0.000002	0.15	7450.42	932.40	0.01
Hempstead Lake	12404.1*	Max WS	1145.78	21.21	30.60		30.60	0.000003	0.15	7439.16	925.89	0.01
Hempstead Lake	12396.6*	Max WS	1145.78	21.21	30.60		30.60	0.000003	0.15	7427.96	919.48	0.01
Hempstead Lake	12389.2*	Max WS	1145.77	21.21	30.60		30.60	0.000003	0.15	7417.00	913.23	0.01
Hempstead Lake	12381.8*	Max WS	1145.77	21.21	30.60		30.60	0.000003	0.15	7405.18	907.02	0.01
Hempstead Lake	12374.3*	Max WS	1145.77	21.20	30.60		30.60	0.000003	0.16	7392.82	900.97	0.01
Hempstead Lake	12366.9*	Max WS	1145.76	21.20	30.60		30.60	0.000003	0.16	7381.28	895.78	0.01
Hempstead Lake	12359.46	Max WS	1145.76	21.20	30.60		30.60	0.000001	0.16	7368.80	890.50	0.01
Hempstead Lake	12350.7*	Max WS	1172.58	21.19	30.60		30.60	0.000004	0.16	7185.51	879.29	0.01
Hempstead Lake	12342.0*	Max WS	1172.57	21.17	30.60		30.60	0.000004	0.17	7005.62	868.12	0.01
Hempstead Lake	12333.3*	Max WS	1172.57	21.16	30.60		30.60	0.000004	0.17	6826.23	856.80	0.01
Hempstead Lake	12324.7*	Max WS	1172.57	21.14	30.60		30.60	0.000005	0.18	6649.80	845.66	0.01
Hempstead Lake	12316.0*	Max WS	1172.56	21.13	30.60		30.60	0.000005	0.18	6476.70	834.50	0.01
Hempstead Lake	12307.3*	Max WS	1172.56	21.11	30.60		30.60	0.000005	0.19	6305.94	823.35	0.01
Hempstead Lake	12298.6*	Max WS	1172.55	21.10	30.60		30.60	0.000005	0.19	6137.11	812.22	0.01
Hempstead Lake	12289.9*	Max WS	1172.55	21.09	30.60		30.60	0.000006	0.20	5971.01	801.01	0.01
Hempstead Lake	12281.2*	Max WS	1172.55	21.07	30.60		30.60	0.000006	0.20	5808.27	789.95	0.01
Hempstead Lake	12272.5*	Max WS	1172.54	21.06	30.60		30.60	0.000006	0.21	5646.81	778.87	0.01
Hempstead Lake	12263.8*	Max WS	1172.54	21.04	30.60		30.60	0.000007	0.21	5488.07	767.84	0.01
Hempstead Lake	12255.1*	Max WS	1172.54	21.03	30.60		30.60	0.000007	0.22	5332.01	756.76	0.01
Hempstead Lake	12246.4*	Max WS	1172.53	21.01	30.60		30.60	0.000007	0.23	5179.31	745.76	0.01
Hempstead Lake	12237.7*	Max WS	1172.53	21.00	30.60		30.60	0.000008	0.23	5028.32	734.73	0.02
Hempstead Lake	12229.1*	Max WS	1172.53	20.99	30.60		30.60	0.000008	0.24	4879.92	723.79	0.02
Hempstead Lake	12220.4*	Max WS	1172.52	20.97	30.60		30.60	0.000009	0.25	4733.50	712.85	0.02
Hempstead Lake	12211.7*	Max WS	1172.52	20.96	30.60		30.60	0.000009	0.26	4590.31	701.97	0.02
Hempstead Lake	12203.0*	Max WS	1172.52	20.94	30.60		30.60	0.000010	0.26	4449.45	691.15	0.02
Hempstead Lake	12194.3*	Max WS	1172.51	20.93	30.60		30.60	0.000011	0.27	4311.25	680.36	0.02
Hempstead Lake	12185.6*	Max WS	1172.51	20.91	30.60		30.60	0.000011	0.28	4175.82	669.53	0.02
Hempstead Lake	12176.9*	Max WS	1172.51	20.90	30.60		30.60	0.000012	0.29	4042.47	658.91	0.02
Hempstead Lake	12168.2*	Max WS	1172.50	20.89	30.60		30.60	0.000013	0.30	3911.98	648.32	0.02
Hempstead Lake	12159.5*	Max WS	1172.50	20.87	30.60		30.60	0.000014	0.31	3784.12	637.81	0.02
Hempstead Lake	12150.8*	Max WS	1172.50	20.86	30.60		30.60	0.000015	0.32	3658.41	626.93	0.02
Hempstead Lake	12142.1*	Max WS	1172.50	20.84	30.60		30.60	0.000012	0.33	3535.69	615.85	0.02
Hempstead Lake	12133.5*	Max WS	1172.49	20.83	30.60		30.60	0.000013	0.35	3415.56	604.98	0.02
Hempstead Lake	12124.8*	Max WS	1172.49	20.81	30.59		30.60	0.000014	0.36	3298.46	596.81	0.03
Hempstead Lake	12116.1*	Max WS	1172.49	20.80	30.59		30.60	0.000015	0.37	3183.78	589.13	0.03
Hempstead Lake	12107.4*	Max WS	1172.48	20.79	30.59		30.60	0.000016	0.39	3072.09	581.70	0.03
Hempstead Lake	12098.7*	Max WS	1172.48	20.77	30.59		30.60	0.000016	0.40	2964.48	571.85	0.03
Hempstead Lake	12090.0*	Max WS	1172.48	20.76	30.59		30.60	0.000017	0.42	2859.09	561.47	0.03
Hempstead Lake	12081.3*	Max WS	1172.48	20.74	30.59		30.60	0.000018	0.43	2756.50	548.62	0.03
Hempstead Lake	12072.6*	Max WS	1172.47	20.73	30.59		30.60	0.000020	0.45	2655.48	534.20	0.03
Hempstead Lake	12063.9*	Max WS	1172.47	20.71	30.59		30.60	0.000021	0.47	2556.95	519.78	0.04
Hempstead Lake	12055.2*	Max WS	1172.47	20.70	30.59		30.60	0.000021	0.49	2461.21	505.50	0.04
Hempstead Lake	12046.5*	Max WS	1172.47	20.69	30.59		30.60	0.000022	0.51	2366.40	491.30	0.04
Hempstead Lake	12037.9*	Max WS	1172.47	20.67	30.59		30.60	0.000024	0.53	2274.96	477.26	0.04
Hempstead Lake	12029.2*	Max WS	1172.46	20.66	30.59		30.60	0.000025	0.55	2184.23	463.26	0.04
Hempstead Lake	12020.5*	Max WS	1172.46	20.64	30.59		30.59	0.000027	0.58	2096.02	449.33	0.05
Hempstead Lake	12011.8*	Max WS	1172.46	20.63	30.59		30.59	0.000028	0.60	2010.11	435.43	0.05
Hempstead Lake	12003.1*	Max WS	1172.46	20.61	30.59		30.59	0.000029	0.63	1925.34	421.83	0.05
Hempstead Lake	11994.45	Max WS	1185.58	20.60	30.58		30.59	0.000101	0.93	1276.79	408.51	0.07
Hempstead Lake	11989.45	Max WS	1185.57	19.90	30.48		30.63	0.000351	3.13	378.54	405.67	0.21
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	1185.46	19.90	30.13		30.42	0.000624	4.38	270.37	358.26	0.28
Hempstead Lake	11964.45	Max WS	1185.46	20.15	30.23		30.25	0.000175	0.99	1197.69	334.16	0.09
Hempstead Lake	11954.6*	Max WS	1185.46	20.12	30.18		30.28	0.000294	2.58	458.97	315.80	0.19
Hempstead Lake	11944.8*	Max WS	1185.46	20.08	30.16		30.28	0.000344	2.69	441.45	297.58	0.20
Hempstead Lake	11934.9*	Max WS	1185.45	20.05	30.15		30.27	0.000388	2.79	424.45	292.38	0.21
Hempstead Lake	11925.1*	Max WS	1185.45	20.01	30.14		30.27	0.000454	2.90	408.32	289.80	0.22
Hempstead Lake	11915.3*	Max WS	1185.45	19.98	30.12		30.26	0.000612	3.01	393.28	287.01	0.23

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	1185.45	19.94	30.10		30.26	0.000633	3.13	379.00	283.84	0.24
Hempstead Lake	11895.6*	Max WS	1185.45	19.91	30.09		30.25	0.000671	3.24	365.83	280.40	0.25
Hempstead Lake	11885.8*	Max WS	1185.45	19.87	30.07		30.24	0.000736	3.35	354.01	276.59	0.26
Hempstead Lake	11876.0*	Max WS	1185.47	19.84	30.05		30.24	0.000828	3.45	343.37	272.49	0.26
Hempstead Lake	11866.2*	Max WS	1185.46	19.80	30.03		30.23	0.000891	3.54	334.44	267.72	0.27
Hempstead Lake	11856.4*	Max WS	1185.46	19.77	30.01		30.22	0.000942	3.63	327.01	256.23	0.28
Hempstead Lake	11846.5*	Max WS	1185.46	19.73	30.00		30.21	0.000803	3.67	323.37	223.20	0.26
Hempstead Lake	11836.7*	Max WS	1185.46	19.70	30.00		30.20	0.000645	3.64	325.83	167.05	0.25
Hempstead Lake	11826.9*	Max WS	1185.46	19.66	30.00		30.20	0.000444	3.59	330.36	166.46	0.24
Hempstead Lake	11817.1*	Max WS	1185.46	19.63	30.00		30.19	0.000417	3.53	335.45	166.39	0.23
Hempstead Lake	11807.2*	Max WS	1185.46	19.59	30.00		30.19	0.000399	3.47	341.34	166.88	0.23
Hempstead Lake	11797.46	Max WS	1185.46	19.56	30.00		30.19	0.000401	3.41	347.32	156.41	0.22
Hempstead Lake	11792.46	Max WS	1185.46	19.56	30.05		30.18	0.000285	2.90	409.21	130.26	0.19
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	1185.46	19.54	29.16		29.35	0.000425	3.49	339.92	44.89	0.22
Hempstead Lake	11627.46	Max WS	1185.46	19.54	29.16		29.35	0.000433	3.45	343.28	49.15	0.23
Hempstead Lake	11623.2*	Max WS	1185.46	19.43	29.14		29.34	0.000613	3.63	326.73	49.78	0.25
Hempstead Lake	11619.1*	Max WS	1185.46	19.31	29.16		29.34	0.000639	3.45	343.23	56.79	0.25
Hempstead Lake	11614.94	Max WS	1185.46	19.20	29.20		29.34	0.000358	2.99	396.15	63.55	0.21
Hempstead Lake	11612.94	Max WS	1185.46	19.20	29.10		29.34	0.000365	3.96	299.59	65.33	0.23
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	57.95	19.20	27.24		27.24	0.000002	0.24	238.38	56.20	0.02
Hempstead Lake	11598.94	Max WS	59.02	19.20	27.24		27.24	0.000002	0.21	285.20	55.60	0.02
Hempstead Lake	11573.9*	Max WS	60.30	19.18	27.24		27.24	0.000001	0.13	477.97	80.27	0.01
Hempstead Lake	11548.9*	Max WS	60.09	19.15	27.24		27.24	0.000000	0.09	671.25	105.02	0.01
Hempstead Lake	11523.9*	Max WS	60.30	19.12	27.24		27.24	0.000000	0.07	865.43	129.90	0.00
Hempstead Lake	11498.9*	Max WS	60.30	19.10	27.24		27.24	0.000000	0.06	1060.30	154.90	0.00
Hempstead Lake	11473.9*	Max WS	60.73	19.08	27.24		27.24	0.000000	0.05	1255.83	179.40	0.00
Hempstead Lake	11448.9*	Max WS	60.52	19.05	27.24		27.24	0.000000	0.04	1452.29	203.44	0.00
Hempstead Lake	11423.9*	Max WS	60.73	19.02	27.24		27.24	0.000000	0.04	1649.13	227.61	0.00
Hempstead Lake	11398.9*	Max WS	60.52	19.00	27.24		27.24	0.000000	0.03	1851.62	272.68	0.00
Hempstead Lake	11373.9*	Max WS	60.30	18.98	27.24		27.24	0.000000	0.03	2066.55	318.77	0.00
Hempstead Lake	11349.*	Max WS	60.73	18.95	27.24		27.24	0.000000	0.03	2292.89	357.54	0.00
Hempstead Lake	11324.*	Max WS	60.30	18.92	27.24		27.24	0.000000	0.02	2603.23	719.45	0.00
Hempstead Lake	11299.0*	Max WS	60.51	18.90	27.24		27.24	0.000000	0.02	3112.80	923.86	0.00
Hempstead Lake	11274.0*	Max WS	60.72	18.88	27.24		27.24	0.000000	0.02	3753.39	1049.64	0.00
Hempstead Lake	11249.0*	Max WS	60.51	18.85	27.24		27.24	0.000000	0.01	4453.28	1130.96	0.00
Hempstead Lake	11224.0*	Max WS	60.30	18.83	27.24		27.24	0.000000	0.01	5208.73	1207.86	0.00
Hempstead Lake	11199.0*	Max WS	60.51	18.80	27.24		27.24	0.000000	0.01	6016.03	1283.41	0.00
Hempstead Lake	11174.0*	Max WS	60.51	18.77	27.24		27.24	0.000000	0.01	6875.38	1354.80	0.00
Hempstead Lake	11149.0*	Max WS	60.51	18.75	27.24		27.24	0.000000	0.01	7784.79	1426.29	0.00
Hempstead Lake	11124.0*	Max WS	60.31	18.73	27.24		27.24	0.000000	0.01	8745.41	1502.47	0.00
Hempstead Lake	11099.0*	Max WS	60.91	18.70	27.24		27.24	0.000000	0.00	9754.91	1577.73	0.00
Hempstead Lake	11074.0*	Max WS	60.50	18.67	27.24		27.24	0.000000	0.00	10819.10	1652.72	0.00
Hempstead Lake	11049.07	Max WS	60.71	18.65	27.24		27.24	0.000000	0.01	11930.99	1726.96	0.00
Hempstead Lake	11038.4*	Max WS	60.50	18.61	27.24		27.24	0.000000	0.00	11450.66	1702.63	0.00
Hempstead Lake	11027.7*	Max WS	60.70	18.58	27.24		27.24	0.000000	0.00	10988.55	1678.18	0.00
Hempstead Lake	11017.0*	Max WS	60.70	18.54	27.24		27.24	0.000000	0.00	10541.09	1654.18	0.00
Hempstead Lake	11006.4*	Max WS	60.89	18.50	27.24		27.24	0.000000	0.00	10108.95	1630.40	0.00
Hempstead Lake	10995.7*	Max WS	60.89	18.47	27.24		27.24	0.000000	0.00	9696.66	1606.49	0.00
Hempstead Lake	10985.0*	Max WS	60.31	18.43	27.24		27.24	0.000000	0.01	9300.09	1583.29	0.00
Hempstead Lake	10974.4*	Max WS	60.69	18.39	27.24		27.24	0.000000	0.01	8918.35	1561.73	0.00
Hempstead Lake	10963.7*	Max WS	60.88	18.35	27.24		27.24	0.000000	0.01	8553.77	1542.57	0.00
Hempstead Lake	10953.1*	Max WS	60.69	18.32	27.24		27.24	0.000000	0.01	8204.54	1523.55	0.00
Hempstead Lake	10942.4*	Max WS	60.69	18.28	27.24		27.24	0.000000	0.01	7869.39	1504.45	0.00
Hempstead Lake	10931.7*	Max WS	60.50	18.24	27.24		27.24	0.000000	0.01	7548.05	1485.33	0.00
Hempstead Lake	10921.1*	Max WS	60.68	18.21	27.24		27.24	0.000000	0.01	7243.75	1466.35	0.00
Hempstead Lake	10910.4*	Max WS	60.31	18.17	27.24		27.24	0.000000	0.01	6956.43	1447.41	0.00
Hempstead Lake	10899.7*	Max WS	60.68	18.13	27.24		27.24	0.000000	0.01	6681.13	1428.40	0.00
Hempstead Lake	10889.1*	Max WS	60.68	18.10	27.24		27.24	0.000000	0.01	6422.56	1409.50	0.00
Hempstead Lake	10878.4*	Max WS	60.49	18.06	27.24		27.24	0.000000	0.01	6178.47	1390.71	0.00
Hempstead Lake	10867.8*	Max WS	60.67	18.02	27.24		27.24	0.000000	0.01	5949.84	1371.80	0.00
Hempstead Lake	10857.1*	Max WS	60.31	17.99	27.24		27.24	0.000000	0.01	5735.51	1352.75	0.00
Hempstead Lake	10846.4*	Max WS	60.85	17.95	27.24		27.24	0.000000	0.01	5548.45	1225.02	0.00
Hempstead Lake	10835.8*	Max WS	60.67	17.91	27.24		27.24	0.000000	0.01	5405.60	1160.69	0.00
Hempstead Lake	10825.1*	Max WS	60.67	17.88	27.24		27.24	0.000000	0.01	5295.32	1014.35	0.00
Hempstead Lake	10814.4*	Max WS	60.85	17.84	27.24		27.24	0.000000	0.01	5259.32	826.01	0.00
Hempstead Lake	10803.8*	Max WS	60.67	17.80	27.24		27.24	0.000000	0.01	5267.52	800.66	0.00
Hempstead Lake	10793.1*	Max WS	60.67	17.76	27.24		27.24	0.000000	0.01	5285.38	777.91	0.00
Hempstead Lake	10782.4*	Max WS	60.66	17.73	27.24		27.24	0.000000	0.01	5307.51	776.67	0.00
Hempstead Lake	10771.8*	Max WS	60.49	17.69	27.24		27.24	0.000000	0.01	5333.59	776.05	0.00
Hempstead Lake	10761.1*	Max WS	60.66	17.65	27.24		27.24	0.000000	0.01	5361.49	775.96	0.00
Hempstead Lake	10750.5*	Max WS	60.84	17.62	27.24		27.24	0.000000	0.01	5389.39	774.74	0.00
Hempstead Lake	10739.8*	Max WS	60.66	17.58	27.24		27.24	0.000000	0.01	5420.91	772.58	0.00
Hempstead Lake	10729.1*	Max WS	60.66	17.54	27.24		27.24	0.000000	0.01	5454.72	771.03	0.00
Hempstead Lake	10718.5*	Max WS	60.31	17.51	27.24		27.24	0.000000	0.01	5488.15	769.65	0.00
Hempstead Lake	10707.6*	Max WS	60.66	17.47	27.24		27.24	0.000000	0.01	5526.73	768.69	0.00
Hempstead Lake	10697.1*	Max WS	60.83	17.43	27.24		27.24	0.000000	0.01	5564.74	768.04	0.00
Hempstead Lake	10686.5*	Max WS	60.66	17.40	27.24		27.24	0.000000	0.01	5605.32	767.76	0.00
Hempstead Lake	10675.8*	Max WS	60.48	17.36	27.24		27.24	0.000000	0.01	5646.87	767.78	0.00
Hempstead Lake	10665.2*	Max WS	60.65	17.32	27.24		27.24	0.000000	0.01	5689.50	767.89	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	60.65	17.29	27.24		27.24	0.000000	0.01	5733.00	768.54	0.00
Hempstead Lake	10643.8*	Max WS	60.65	17.25	27.24		27.24	0.000000	0.01	5778.73	769.72	0.00
Hempstead Lake	10633.2*	Max WS	60.65	17.21	27.24		27.24	0.000000	0.01	5825.05	771.47	0.00
Hempstead Lake	10622.5*	Max WS	60.48	17.17	27.24		27.24	0.000000	0.01	5872.43	773.32	0.00
Hempstead Lake	10611.8*	Max WS	60.65	17.14	27.24		27.24	0.000000	0.01	5919.36	775.38	0.00
Hempstead Lake	10601.2*	Max WS	60.65	17.10	27.24		27.24	0.000000	0.01	5968.83	777.46	0.00
Hempstead Lake	10590.5*	Max WS	60.81	17.06	27.24		27.24	0.000000	0.01	6018.32	779.79	0.00
Hempstead Lake	10579.8*	Max WS	60.64	17.03	27.24		27.24	0.000000	0.01	6067.98	782.16	0.00
Hempstead Lake	10569.23	Max WS	60.64	16.99	27.24		27.24	0.000000	0.01	6118.93	784.73	0.00
Hempstead Lake	10549.1*	Max WS	60.48	16.96	27.24		27.24	0.000000	0.01	6122.37	787.24	0.00
Hempstead Lake	10529.0*	Max WS	60.80	16.94	27.24		27.24	0.000000	0.01	6128.33	789.98	0.00
Hempstead Lake	10508.9*	Max WS	60.48	16.91	27.24		27.24	0.000000	0.01	6135.47	792.81	0.00
Hempstead Lake	10488.7*	Max WS	60.32	16.89	27.24		27.24	0.000000	0.01	6143.75	796.09	0.00
Hempstead Lake	10468.6*	Max WS	60.80	16.86	27.24		27.24	0.000000	0.01	6155.85	799.52	0.00
Hempstead Lake	10448.5*	Max WS	60.64	16.83	27.24		27.24	0.000000	0.01	6170.40	803.29	0.00
Hempstead Lake	10428.4*	Max WS	60.48	16.81	27.24		27.24	0.000000	0.01	6186.33	807.81	0.00
Hempstead Lake	10408.3*	Max WS	60.79	16.78	27.24		27.24	0.000000	0.01	6206.91	813.09	0.00
Hempstead Lake	10388.2*	Max WS	60.64	16.76	27.24		27.24	0.000000	0.01	6227.82	818.82	0.00
Hempstead Lake	10368.1*	Max WS	60.48	16.73	27.24		27.24	0.000000	0.01	6254.73	824.99	0.00
Hempstead Lake	10348.0*	Max WS	60.48	16.71	27.24		27.24	0.000000	0.01	6282.34	831.54	0.00
Hempstead Lake	10327.9*	Max WS	60.63	16.68	27.24		27.24	0.000000	0.01	6314.99	838.68	0.00
Hempstead Lake	10307.8*	Max WS	60.94	16.65	27.24		27.24	0.000000	0.01	6351.68	846.24	0.00
Hempstead Lake	10287.7*	Max WS	60.78	16.63	27.24		27.24	0.000000	0.01	6391.45	854.51	0.00
Hempstead Lake	10267.6*	Max WS	60.63	16.60	27.24		27.24	0.000000	0.01	6435.68	856.72	0.00
Hempstead Lake	10247.4*	Max WS	60.32	16.58	27.24		27.24	0.000000	0.01	6479.94	857.98	0.00
Hempstead Lake	10227.3*	Max WS	60.78	16.55	27.24		27.24	0.000000	0.01	6526.64	859.22	0.00
Hempstead Lake	10207.2*	Max WS	60.63	16.52	27.24		27.24	0.000000	0.01	6576.33	860.43	0.00
Hempstead Lake	10187.1*	Max WS	60.48	16.50	27.24		27.24	0.000000	0.01	6625.42	861.44	0.00
Hempstead Lake	10167.0*	Max WS	60.77	16.47	27.24		27.24	0.000000	0.01	6678.12	862.45	0.00
Hempstead Lake	10146.9*	Max WS	60.92	16.45	27.24		27.24	0.000000	0.01	6730.20	863.34	0.00
Hempstead Lake	10126.8*	Max WS	60.62	16.42	27.24		27.24	0.000000	0.01	6786.83	864.35	0.00
Hempstead Lake	10106.7*	Max WS	60.47	16.40	27.24		27.24	0.000000	0.01	6841.26	865.19	0.00
Hempstead Lake	10086.6*	Max WS	60.77	16.37	27.24		27.24	0.000000	0.01	6899.24	866.00	0.00
Hempstead Lake	10066.5*	Max WS	60.47	16.34	27.24		27.24	0.000000	0.01	6958.41	866.96	0.00
Hempstead Lake	10046.4*	Max WS	60.47	16.32	27.24		27.24	0.000000	0.01	7018.32	867.70	0.00
Hempstead Lake	10026.2*	Max WS	60.62	16.29	27.24		27.24	0.000000	0.01	7080.54	868.48	0.00
Hempstead Lake	10006.1*	Max WS	60.91	16.27	27.24		27.24	0.000000	0.01	7142.75	869.23	0.00
Hempstead Lake	9986.073	Max WS	60.61	16.24	27.24		27.24	0.000000	0.01	7207.08	870.07	0.00
Hempstead Lake	9965.77*	Max WS	60.90	16.21	27.24		27.24	0.000000	0.01	7220.55	869.50	0.00
Hempstead Lake	9945.47*	Max WS	60.76	16.19	27.24		27.24	0.000000	0.01	7232.36	868.98	0.00
Hempstead Lake	9925.18*	Max WS	60.47	16.16	27.24		27.24	0.000000	0.01	7246.19	868.65	0.00
Hempstead Lake	9904.88*	Max WS	60.61	16.13	27.24		27.24	0.000000	0.01	7260.75	867.95	0.00
Hempstead Lake	9884.59*	Max WS	60.61	16.11	27.24		27.24	0.000000	0.01	7273.96	866.85	0.00
Hempstead Lake	9864.29*	Max WS	60.75	16.08	27.24		27.24	0.000000	0.01	7289.27	865.73	0.00
Hempstead Lake	9843.99*	Max WS	60.61	16.05	27.24		27.24	0.000000	0.01	7304.67	864.25	0.00
Hempstead Lake	9823.7*	Max WS	60.61	16.03	27.24		27.24	0.000000	0.01	7319.28	862.79	0.00
Hempstead Lake	9803.40*	Max WS	60.61	16.00	27.24		27.24	0.000000	0.01	7333.75	860.98	0.00
Hempstead Lake	9783.10*	Max WS	60.74	15.97	27.24		27.24	0.000000	0.01	7348.85	859.01	0.00
Hempstead Lake	9762.81*	Max WS	60.47	15.95	27.24		27.24	0.000000	0.01	7362.68	857.08	0.00
Hempstead Lake	9742.51*	Max WS	60.74	15.92	27.24		27.24	0.000000	0.01	7377.70	854.84	0.00
Hempstead Lake	9722.21*	Max WS	60.74	15.89	27.24		27.24	0.000000	0.01	7392.25	852.56	0.00
Hempstead Lake	9701.92*	Max WS	60.74	15.87	27.24		27.24	0.000000	0.01	7405.71	850.15	0.00
Hempstead Lake	9681.62*	Max WS	60.87	15.84	27.24		27.24	0.000000	0.01	7418.62	847.54	0.00
Hempstead Lake	9661.32*	Max WS	60.73	15.81	27.24		27.24	0.000000	0.01	7433.68	844.84	0.00
Hempstead Lake	9641.03*	Max WS	60.86	15.79	27.24		27.24	0.000000	0.01	7445.80	842.09	0.00
Hempstead Lake	9620.73*	Max WS	60.61	15.76	27.24		27.24	0.000000	0.01	7458.97	839.21	0.00
Hempstead Lake	9600.43*	Max WS	60.73	15.73	27.24		27.24	0.000000	0.01	7470.39	836.18	0.00
Hempstead Lake	9580.14*	Max WS	60.60	15.71	27.24		27.24	0.000000	0.01	7481.63	833.15	0.00
Hempstead Lake	9559.84*	Max WS	60.73	15.68	27.24		27.24	0.000000	0.01	7493.26	829.94	0.00
Hempstead Lake	9539.54*	Max WS	60.60	15.66	27.24		27.24	0.000000	0.01	7503.33	826.65	0.00
Hempstead Lake	9519.25*	Max WS	60.60	15.63	27.24		27.24	0.000000	0.01	7512.10	823.41	0.00
Hempstead Lake	9498.95*	Max WS	60.60	15.60	27.24		27.24	0.000000	0.01	7522.89	819.99	0.00
Hempstead Lake	9478.65*	Max WS	60.60	15.58	27.24		27.24	0.000000	0.01	7531.21	816.51	0.00
Hempstead Lake	9458.36*	Max WS	60.47	15.55	27.24		27.24	0.000000	0.01	7539.75	813.05	0.00
Hempstead Lake	9438.06*	Max WS	60.72	15.52	27.24		27.24	0.000000	0.01	7546.02	809.28	0.00
Hempstead Lake	9417.76*	Max WS	60.84	15.50	27.24		27.24	0.000000	0.01	7552.70	805.53	0.00
Hempstead Lake	9397.47*	Max WS	60.59	15.47	27.24		27.24	0.000000	0.01	7558.14	801.80	0.00
Hempstead Lake	9377.17*	Max WS	60.72	15.44	27.24		27.24	0.000000	0.01	7564.74	797.92	0.00
Hempstead Lake	9356.87*	Max WS	60.59	15.42	27.24		27.24	0.000000	0.01	7566.63	793.99	0.00
Hempstead Lake	9336.58*	Max WS	60.59	15.39	27.24		27.24	0.000000	0.01	7571.15	790.10	0.00
Hempstead Lake	9316.28*	Max WS	60.35	15.36	27.24		27.24	0.000000	0.01	7574.58	786.02	0.00
Hempstead Lake	9295.98*	Max WS	60.59	15.34	27.24		27.24	0.000000	0.01	7575.39	781.99	0.00
Hempstead Lake	9275.69*	Max WS	60.47	15.31	27.24		27.24	0.000000	0.01	7576.89	777.97	0.00
Hempstead Lake	9255.39*	Max WS	60.71	15.28	27.24		27.24	0.000000	0.01	7577.07	773.86	0.00
Hempstead Lake	9235.09*	Max WS	60.70	15.26	27.24		27.24	0.000000	0.01	7575.09	769.74	0.00
Hempstead Lake	9214.80*	Max WS	60.47	15.23	27.24		27.24	0.000000	0.01	7575.10	765.66	0.00
Hempstead Lake	9194.50*	Max WS	60.70	15.20	27.24		27.24	0.000000	0.01	7572.04	761.42	0.00
Hempstead Lake	9174.20*	Max WS	60.82	15.18	27.24		27.24	0.000000	0.01	7567.62	757.32	0.00
Hempstead Lake	9153.910	Max WS	60.58	15.15	27.24		27.24	0.000000	0.01	7564.39	753.17	0.00
Hempstead Lake	9133.22*	Max WS	62.70	15.12	27.24		27.24	0.000000	0.01	7575.48	756.29	0.00
Hempstead Lake	9112.54*	Max WS	62.47	15.10	27.24		27.24	0.000000	0.01	7583.41	759.32	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	62.70	15.07	27.24		27.24	0.000000	0.01	7593.96	762.37	0.00
Hempstead Lake	9071.17*	Max WS	62.47	15.05	27.24		27.24	0.000000	0.01	7602.03	765.32	0.00
Hempstead Lake	9050.49*	Max WS	62.58	15.02	27.24		27.24	0.000000	0.01	7610.25	768.10	0.00
Hempstead Lake	9029.80*	Max WS	62.69	15.00	27.24		27.24	0.000000	0.01	7617.02	770.81	0.00
Hempstead Lake	9009.12*	Max WS	62.58	14.97	27.24		27.24	0.000000	0.01	7624.32	773.57	0.00
Hempstead Lake	8988.44*	Max WS	62.69	14.95	27.24		27.24	0.000000	0.01	7630.80	776.14	0.00
Hempstead Lake	8967.75*	Max WS	62.47	14.92	27.24		27.24	0.000000	0.01	7636.73	778.32	0.00
Hempstead Lake	8947.07*	Max WS	62.58	14.90	27.24		27.24	0.000000	0.01	7641.91	780.18	0.00
Hempstead Lake	8926.39*	Max WS	62.69	14.87	27.24		27.24	0.000000	0.01	7647.46	781.90	0.00
Hempstead Lake	8905.70*	Max WS	62.47	14.85	27.24		27.24	0.000000	0.01	7652.94	783.72	0.00
Hempstead Lake	8885.02*	Max WS	62.58	14.82	27.24		27.24	0.000000	0.01	7657.44	785.30	0.00
Hempstead Lake	8864.33*	Max WS	62.47	14.80	27.24		27.24	0.000000	0.01	7660.94	787.04	0.00
Hempstead Lake	8843.65*	Max WS	62.68	14.77	27.24		27.24	0.000000	0.01	7665.75	789.46	0.00
Hempstead Lake	8822.97*	Max WS	62.68	14.75	27.24		27.24	0.000000	0.01	7668.33	791.80	0.00
Hempstead Lake	8802.28*	Max WS	62.58	14.72	27.24		27.24	0.000000	0.01	7671.51	793.97	0.00
Hempstead Lake	8781.60*	Max WS	62.57	14.70	27.24		27.24	0.000000	0.01	7673.84	796.13	0.00
Hempstead Lake	8760.92*	Max WS	62.67	14.67	27.24		27.24	0.000000	0.01	7675.89	798.11	0.00
Hempstead Lake	8740.23*	Max WS	62.47	14.65	27.24		27.24	0.000000	0.01	7678.71	800.09	0.00
Hempstead Lake	8719.55*	Max WS	62.57	14.62	27.24		27.24	0.000000	0.01	7679.02	801.83	0.00
Hempstead Lake	8698.86*	Max WS	62.77	14.60	27.24		27.24	0.000000	0.01	7682.44	803.55	0.00
Hempstead Lake	8678.18*	Max WS	62.57	14.57	27.24		27.24	0.000000	0.01	7683.42	805.10	0.00
Hempstead Lake	8657.50*	Max WS	62.57	14.55	27.24		27.24	0.000000	0.01	7683.30	806.62	0.00
Hempstead Lake	8636.81*	Max WS	62.67	14.52	27.24		27.24	0.000000	0.01	7684.63	807.95	0.00
Hempstead Lake	8616.13*	Max WS	62.47	14.50	27.24		27.24	0.000000	0.01	7684.14	809.18	0.00
Hempstead Lake	8595.45*	Max WS	62.56	14.47	27.24		27.24	0.000000	0.01	7686.16	810.27	0.00
Hempstead Lake	8574.76*	Max WS	62.76	14.45	27.24		27.24	0.000000	0.01	7684.65	811.17	0.00
Hempstead Lake	8554.08*	Max WS	62.66	14.42	27.24		27.24	0.000000	0.01	7685.35	811.98	0.00
Hempstead Lake	8533.39*	Max WS	62.56	14.40	27.24		27.24	0.000000	0.01	7685.28	812.77	0.00
Hempstead Lake	8512.71*	Max WS	62.76	14.37	27.24		27.24	0.000000	0.01	7685.04	813.18	0.00
Hempstead Lake	8492.03*	Max WS	62.47	14.35	27.24		27.24	0.000000	0.01	7685.95	813.46	0.00
Hempstead Lake	8471.34*	Max WS	62.56	14.32	27.24		27.24	0.000000	0.01	7686.73	813.51	0.00
Hempstead Lake	8450.66*	Max WS	62.66	14.30	27.24		27.24	0.000000	0.01	7687.66	813.74	0.00
Hempstead Lake	8429.980	Max WS	62.56	14.27	27.24		27.24	0.000000	0.01	7690.78	790.23	0.00
Hempstead Lake	8416.34*	Max WS	62.65	14.25	27.24		27.24	0.000000	0.01	7743.06	800.11	0.00
Hempstead Lake	8402.71*	Max WS	62.65	14.23	27.24		27.24	0.000000	0.01	7797.48	819.28	0.00
Hempstead Lake	8389.07*	Max WS	62.75	14.21	27.24		27.24	0.000000	0.01	7854.29	827.31	0.00
Hempstead Lake	8375.44*	Max WS	62.47	14.19	27.24		27.24	0.000000	0.01	7913.75	832.08	0.00
Hempstead Lake	8361.81*	Max WS	62.56	14.16	27.24		27.24	0.000000	0.01	7970.96	836.66	0.00
Hempstead Lake	8348.17*	Max WS	62.65	14.14	27.24		27.24	0.000000	0.01	8030.07	841.36	0.00
Hempstead Lake	8334.54*	Max WS	62.74	14.12	27.24		27.24	0.000000	0.01	8089.17	846.08	0.00
Hempstead Lake	8320.91*	Max WS	62.74	14.10	27.24		27.24	0.000000	0.01	8149.15	850.80	0.00
Hempstead Lake	8307.27*	Max WS	62.56	14.08	27.24		27.24	0.000000	0.01	8209.13	855.62	0.00
Hempstead Lake	8293.64*	Max WS	62.56	14.06	27.24		27.24	0.000000	0.01	8273.19	860.60	0.00
Hempstead Lake	8280.00*	Max WS	62.65	14.04	27.24		27.24	0.000000	0.01	8334.94	865.44	0.00
Hempstead Lake	8266.37*	Max WS	62.65	14.02	27.24		27.24	0.000000	0.01	8396.10	870.35	0.00
Hempstead Lake	8252.74*	Max WS	62.73	13.99	27.24		27.24	0.000000	0.01	8460.37	875.30	0.00
Hempstead Lake	8239.10*	Max WS	62.73	13.97	27.24		27.24	0.000000	0.01	8523.68	880.29	0.00
Hempstead Lake	8225.47*	Max WS	62.55	13.95	27.24		27.24	0.000000	0.01	8590.15	885.37	0.00
Hempstead Lake	8211.84*	Max WS	62.64	13.93	27.24		27.24	0.000000	0.01	8655.01	890.48	0.00
Hempstead Lake	8198.20*	Max WS	62.64	13.91	27.24		27.24	0.000000	0.01	8723.77	895.79	0.00
Hempstead Lake	8184.57*	Max WS	62.64	13.89	27.24		27.24	0.000000	0.01	8790.15	901.03	0.00
Hempstead Lake	8170.93*	Max WS	62.55	13.87	27.24		27.24	0.000000	0.01	8858.89	906.24	0.00
Hempstead Lake	8157.30*	Max WS	62.47	13.85	27.24		27.24	0.000000	0.01	8926.86	911.52	0.00
Hempstead Lake	8143.67*	Max WS	62.64	13.82	27.24		27.24	0.000000	0.01	8998.63	916.92	0.00
Hempstead Lake	8130.03*	Max WS	62.64	13.80	27.24		27.24	0.000000	0.01	9068.23	922.40	0.00
Hempstead Lake	8116.40*	Max WS	62.55	13.78	27.24		27.24	0.000000	0.01	9141.70	928.03	0.00
Hempstead Lake	8102.76*	Max WS	62.72	13.76	27.24		27.24	0.000000	0.01	9212.97	933.55	0.00
Hempstead Lake	8089.13*	Max WS	62.47	13.74	27.24		27.24	0.000000	0.01	9284.85	939.22	0.00
Hempstead Lake	8075.50*	Max WS	62.55	13.72	27.24		27.24	0.000000	0.01	9359.55	944.98	0.00
Hempstead Lake	8061.86*	Max WS	62.55	13.70	27.24		27.24	0.000000	0.01	9433.90	950.81	0.00
Hempstead Lake	8048.23*	Max WS	62.63	13.68	27.24		27.24	0.000000	0.01	9509.69	956.58	0.00
Hempstead Lake	8034.6*	Max WS	62.63	13.65	27.24		27.24	0.000000	0.01	9586.56	962.47	0.00
Hempstead Lake	8020.96*	Max WS	62.71	13.63	27.24		27.24	0.000000	0.01	9666.66	968.58	0.00
Hempstead Lake	8007.33*	Max WS	62.71	13.61	27.24		27.24	0.000000	0.01	9744.41	974.75	0.00
Hempstead Lake	7993.69*	Max WS	62.70	13.59	27.24		27.24	0.000000	0.01	9824.77	981.01	0.00
Hempstead Lake	7980.06*	Max WS	62.55	13.57	27.24		27.24	0.000000	0.01	9904.42	987.38	0.00
Hempstead Lake	7966.43*	Max WS	62.63	13.55	27.24		27.24	0.000000	0.01	9986.73	993.39	0.00
Hempstead Lake	7952.79*	Max WS	62.63	13.53	27.24		27.24	0.000000	0.01	10069.61	999.43	0.00
Hempstead Lake	7939.16*	Max WS	62.62	13.51	27.24		27.24	0.000000	0.01	10152.74	1005.52	0.00
Hempstead Lake	7925.53*	Max WS	62.62	13.48	27.24		27.24	0.000000	0.01	10238.63	1011.43	0.00
Hempstead Lake	7911.89*	Max WS	62.47	13.46	27.24		27.24	0.000000	0.01	10324.04	1016.31	0.00
Hempstead Lake	7898.26*	Max WS	62.47	13.44	27.24		27.24	0.000000	0.01	10411.33	1020.31	0.00
Hempstead Lake	7884.62*	Max WS	62.55	13.42	27.24		27.24	0.000000	0.01	10497.27	1024.01	0.00
Hempstead Lake	7870.99*	Max WS	62.55	13.40	27.24		27.24	0.000000	0.01	10585.13	1027.64	0.00
Hempstead Lake	7857.36*	Max WS	62.62	13.38	27.24		27.24	0.000000	0.01	10671.92	1031.20	0.00
Hempstead Lake	7843.72*	Max WS	62.62	13.36	27.24		27.24	0.000000	0.01	10762.90	1034.72	0.00
Hempstead Lake	7830.09*	Max WS	62.61	13.34	27.24		27.24	0.000000	0.01	10851.04	1038.12	0.00
Hempstead Lake	7816.45*	Max WS	62.69	13.31	27.24		27.24	0.000000	0.01	10941.56	1041.51	0.00
Hempstead Lake	7802.82*	Max WS	62.47	13.29	27.24		27.24	0.000000	0.01	11030.88	1044.79	0.00
Hempstead Lake	7789.19*	Max WS	62.54	13.27	27.24		27.24	0.000000	0.01	11121.86	1048.03	0.00
Hempstead Lake	7775.55*	Max WS	62.54	13.25	27.24		27.24	0.000000	0.01	11211.98	1051.16	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	62.54	13.23	27.24		27.24	0.000000	0.01	11304.17	1054.36	0.00
Hempstead Lake	7748.29*	Max WS	62.54	13.21	27.24		27.24	0.000000	0.01	11397.23	1057.53	0.00
Hempstead Lake	7734.65*	Max WS	62.54	13.19	27.24		27.24	0.000000	0.01	11488.19	1060.69	0.00
Hempstead Lake	7721.02*	Max WS	62.68	13.17	27.24		27.24	0.000000	0.01	11582.17	1063.87	0.00
Hempstead Lake	7707.38*	Max WS	62.60	13.14	27.24		27.24	0.000000	0.01	11674.83	1066.93	0.00
Hempstead Lake	7693.75*	Max WS	62.67	13.12	27.24		27.24	0.000000	0.01	11768.33	1070.03	0.00
Hempstead Lake	7680.12*	Max WS	62.67	13.10	27.24		27.24	0.000000	0.01	11862.72	1073.12	0.00
Hempstead Lake	7666.48*	Max WS	62.67	13.08	27.24		27.24	0.000000	0.01	11959.27	1076.19	0.00
Hempstead Lake	7652.85*	Max WS	62.54	13.06	27.24		27.24	0.000000	0.01	12052.18	1079.25	0.00
Hempstead Lake	7639.22*	Max WS	62.60	13.04	27.24		27.24	0.000000	0.01	12148.44	1082.22	0.00
Hempstead Lake	7625.58*	Max WS	62.60	13.02	27.24		27.24	0.000000	0.01	12243.42	1085.24	0.00
Hempstead Lake	7611.95*	Max WS	62.54	13.00	27.24		27.24	0.000000	0.01	12338.42	1088.26	0.00
Hempstead Lake	7598.31*	Max WS	62.53	12.97	27.24		27.24	0.000000	0.01	12435.81	1091.27	0.00
Hempstead Lake	7584.68*	Max WS	62.66	12.95	27.24		27.24	0.000000	0.01	12533.24	1094.27	0.00
Hempstead Lake	7571.05*	Max WS	62.60	12.93	27.24		27.24	0.000000	0.00	12631.69	1097.21	0.00
Hempstead Lake	7557.41*	Max WS	62.59	12.91	27.24		27.24	0.000000	0.00	12728.73	1100.20	0.00
Hempstead Lake	7543.783	Max WS	62.59	12.89	27.24		27.24	0.000000	0.00	12826.45	1103.17	0.00
Hempstead Lake	7530.03*	Max WS	64.65	12.85	27.24		27.24	0.000000	0.01	12867.55	1105.77	0.00
Hempstead Lake	7516.28*	Max WS	64.65	12.82	27.24		27.24	0.000000	0.01	12909.31	1108.48	0.00
Hempstead Lake	7502.53*	Max WS	64.59	12.78	27.24		27.24	0.000000	0.00	12951.42	1110.82	0.00
Hempstead Lake	7488.79*	Max WS	64.53	12.74	27.24		27.24	0.000000	0.00	12995.60	1112.83	0.00
Hempstead Lake	7475.04*	Max WS	64.59	12.71	27.24		27.24	0.000000	0.00	13037.67	1114.73	0.00
Hempstead Lake	7461.29*	Max WS	64.58	12.67	27.24		27.24	0.000000	0.00	13081.41	1116.39	0.00
Hempstead Lake	7447.54*	Max WS	64.53	12.63	27.24		27.24	0.000000	0.00	13128.11	1118.17	0.00
Hempstead Lake	7433.79*	Max WS	64.64	12.60	27.24		27.24	0.000000	0.00	13172.17	1120.07	0.00
Hempstead Lake	7420.04*	Max WS	64.64	12.56	27.24		27.24	0.000000	0.00	13216.75	1121.94	0.00
Hempstead Lake	7406.3*	Max WS	64.63	12.52	27.24		27.24	0.000000	0.00	13263.54	1123.86	0.00
Hempstead Lake	7392.55*	Max WS	64.58	12.49	27.24		27.24	0.000000	0.00	13309.67	1125.62	0.00
Hempstead Lake	7378.80*	Max WS	64.63	12.45	27.24		27.24	0.000000	0.00	13354.76	1127.31	0.00
Hempstead Lake	7365.05*	Max WS	64.53	12.41	27.24		27.24	0.000000	0.00	13402.39	1129.07	0.00
Hempstead Lake	7351.30*	Max WS	64.63	12.38	27.24		27.24	0.000000	0.00	13450.46	1130.63	0.00
Hempstead Lake	7337.55*	Max WS	64.58	12.34	27.24		27.24	0.000000	0.00	13497.80	1132.18	0.00
Hempstead Lake	7323.81*	Max WS	64.48	12.30	27.24		27.24	0.000000	0.00	13547.10	1133.72	0.00
Hempstead Lake	7310.06*	Max WS	64.43	12.26	27.24		27.24	0.000000	0.00	13595.54	1135.13	0.00
Hempstead Lake	7296.31*	Max WS	64.52	12.23	27.24		27.24	0.000000	0.00	13646.06	1136.43	0.00
Hempstead Lake	7282.56*	Max WS	64.52	12.19	27.24		27.24	0.000000	0.00	13696.45	1137.85	0.00
Hempstead Lake	7268.81*	Max WS	64.57	12.15	27.24		27.24	0.000000	0.00	13746.42	1139.08	0.00
Hempstead Lake	7255.06*	Max WS	64.57	12.12	27.24		27.24	0.000000	0.00	13797.47	1140.39	0.00
Hempstead Lake	7241.32*	Max WS	64.52	12.08	27.24		27.24	0.000000	0.00	13847.56	1141.92	0.00
Hempstead Lake	7227.57*	Max WS	64.57	12.04	27.24		27.24	0.000000	0.00	13901.35	1143.34	0.00
Hempstead Lake	7213.82*	Max WS	64.57	12.01	27.24		27.24	0.000000	0.00	13953.63	1144.77	0.00
Hempstead Lake	7200.07*	Max WS	64.57	11.97	27.24		27.24	0.000000	0.00	14005.10	1146.22	0.00
Hempstead Lake	7186.32*	Max WS	64.61	11.93	27.24		27.24	0.000000	0.00	14060.00	1147.55	0.00
Hempstead Lake	7172.57*	Max WS	64.56	11.90	27.24		27.24	0.000000	0.00	14113.82	1148.87	0.00
Hempstead Lake	7158.83*	Max WS	64.52	11.86	27.24		27.24	0.000000	0.00	14166.65	1149.85	0.00
Hempstead Lake	7145.08*	Max WS	64.56	11.82	27.24		27.24	0.000000	0.00	14222.43	1150.75	0.00
Hempstead Lake	7131.33*	Max WS	64.60	11.79	27.24		27.24	0.000000	0.00	14276.87	1151.45	0.00
Hempstead Lake	7117.58*	Max WS	64.48	11.75	27.24		27.24	0.000000	0.00	14334.65	1152.11	0.00
Hempstead Lake	7103.83*	Max WS	64.56	11.71	27.24		27.24	0.000000	0.00	14390.30	1152.77	0.00
Hempstead Lake	7090.08*	Max WS	64.52	11.68	27.24		27.24	0.000000	0.00	14445.37	1153.49	0.00
Hempstead Lake	7076.34*	Max WS	64.52	11.64	27.24		27.24	0.000000	0.00	14504.88	1154.27	0.00
Hempstead Lake	7062.59*	Max WS	64.48	11.60	27.24		27.24	0.000000	0.00	14560.96	1155.07	0.00
Hempstead Lake	7048.84*	Max WS	64.52	11.57	27.24		27.24	0.000000	0.00	14618.92	1155.89	0.00
Hempstead Lake	7035.09*	Max WS	64.55	11.53	27.24		27.24	0.000000	0.00	14678.42	1156.74	0.00
Hempstead Lake	7021.34*	Max WS	64.52	11.49	27.24		27.24	0.000000	0.00	14736.12	1157.62	0.00
Hempstead Lake	7007.6*	Max WS	64.59	11.46	27.24		27.24	0.000000	0.00	14796.40	1158.52	0.00
Hempstead Lake	6993.85*	Max WS	64.55	11.42	27.24		27.24	0.000000	0.00	14854.66	1159.44	0.00
Hempstead Lake	6980.10*	Max WS	64.52	11.38	27.24		27.24	0.000000	0.00	14916.30	1160.21	0.00
Hempstead Lake	6966.35*	Max WS	64.55	11.35	27.24		27.24	0.000000	0.00	14977.31	1160.38	0.00
Hempstead Lake	6952.60*	Max WS	64.55	11.31	27.24		27.24	0.000000	0.00	15036.98	1160.57	0.00
Hempstead Lake	6938.85*	Max WS	64.58	11.27	27.24		27.24	0.000000	0.00	15098.11	1160.77	0.00
Hempstead Lake	6925.11*	Max WS	64.55	11.23	27.24		27.24	0.000000	0.00	15158.97	1160.99	0.00
Hempstead Lake	6911.36*	Max WS	64.57	11.20	27.24		27.24	0.000000	0.00	15221.00	1161.20	0.00
Hempstead Lake	6897.61*	Max WS	64.54	11.16	27.24		27.24	0.000000	0.00	15282.43	1161.49	0.00
Hempstead Lake	6883.86*	Max WS	64.54	11.12	27.24		27.24	0.000000	0.00	15344.10	1161.72	0.00
Hempstead Lake	6870.11*	Max WS	64.57	11.09	27.24		27.24	0.000000	0.00	15405.16	1161.98	0.00
Hempstead Lake	6856.36*	Max WS	64.57	11.05	27.24		27.24	0.000000	0.00	15467.46	1162.26	0.00
Hempstead Lake	6842.62*	Max WS	64.57	11.01	27.24		27.24	0.000000	0.00	15529.44	1162.53	0.00
Hempstead Lake	6828.87*	Max WS	64.54	10.98	27.24		27.24	0.000000	0.00	15590.98	1162.79	0.00
Hempstead Lake	6815.12*	Max WS	64.56	10.94	27.24		27.24	0.000000	0.00	15653.88	1163.07	0.00
Hempstead Lake	6801.37*	Max WS	64.56	10.90	27.24		27.24	0.000000	0.00	15716.75	1163.35	0.00
Hempstead Lake	6787.62*	Max WS	64.56	10.87	27.24		27.24	0.000000	0.00	15779.72	1163.66	0.00
Hempstead Lake	6773.87*	Max WS	64.56	10.83	27.24		27.24	0.000000	0.00	15842.12	1163.93	0.00
Hempstead Lake	6760.13*	Max WS	64.56	10.79	27.24		27.24	0.000000	0.00	15905.71	1164.21	0.00
Hempstead Lake	6746.38*	Max WS	64.54	10.76	27.24		27.24	0.000000	0.00	15967.06	1164.48	0.00
Hempstead Lake	6732.634	Max WS	64.51	10.72	27.24		27.24	0.000000	0.00	16030.81	1164.76	0.00
Hempstead Lake	6718.98*	Max WS	64.53	10.73	27.24		27.24	0.000000	0.00	15863.85	1162.75	0.00
Hempstead Lake	6705.33*	Max WS	64.55	10.74	27.24		27.24	0.000000	0.00	15697.41	1160.72	0.00
Hempstead Lake	6691.68*	Max WS	64.53	10.75	27.24		27.24	0.000000	0.00	15531.48	1158.63	0.00
Hempstead Lake	6678.03*	Max WS	64.51	10.76	27.24		27.24	0.000000	0.00	15367.43	1156.48	0.00
Hempstead Lake	6664.38*	Max WS	64.51	10.77	27.24		27.24	0.000000	0.00	15203.27	1154.33	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	64.53	10.78	27.24		27.24	0.000000	0.00	15040.08	1151.96	0.00
Hempstead Lake	6637.07*	Max WS	64.51	10.79	27.24		27.24	0.000000	0.00	14878.95	1149.05	0.00
Hempstead Lake	6623.42*	Max WS	64.51	10.80	27.24		27.24	0.000000	0.00	14716.94	1146.18	0.00
Hempstead Lake	6609.77*	Max WS	64.52	10.81	27.24		27.24	0.000000	0.00	14557.29	1143.42	0.00
Hempstead Lake	6596.12*	Max WS	64.50	10.82	27.24		27.24	0.000000	0.00	14397.13	1140.62	0.00
Hempstead Lake	6582.47*	Max WS	64.50	10.83	27.24		27.24	0.000000	0.00	14238.80	1136.69	0.00
Hempstead Lake	6568.82*	Max WS	64.50	10.84	27.24		27.24	0.000000	0.00	14083.04	1133.84	0.00
Hempstead Lake	6555.17*	Max WS	64.52	10.85	27.24		27.24	0.000000	0.00	13925.73	1131.15	0.00
Hempstead Lake	6541.52*	Max WS	64.52	10.86	27.24		27.24	0.000000	0.00	13772.42	1128.68	0.00
Hempstead Lake	6527.87*	Max WS	64.52	10.87	27.24		27.24	0.000000	0.00	13617.95	1126.27	0.00
Hempstead Lake	6514.22*	Max WS	64.50	10.88	27.24		27.24	0.000000	0.00	13463.14	1123.95	0.00
Hempstead Lake	6500.57*	Max WS	64.50	10.89	27.24		27.24	0.000000	0.00	13311.33	1121.73	0.00
Hempstead Lake	6486.91*	Max WS	64.52	10.91	27.24		27.24	0.000000	0.00	13158.88	1119.65	0.00
Hempstead Lake	6473.26*	Max WS	64.51	10.92	27.24		27.24	0.000000	0.00	13007.56	1117.69	0.00
Hempstead Lake	6459.61*	Max WS	64.50	10.93	27.24		27.24	0.000000	0.01	12857.82	1115.80	0.00
Hempstead Lake	6445.96*	Max WS	64.50	10.94	27.24		27.24	0.000000	0.01	12707.82	1113.96	0.00
Hempstead Lake	6432.31*	Max WS	64.51	10.95	27.24		27.24	0.000000	0.01	12559.83	1112.17	0.00
Hempstead Lake	6418.66*	Max WS	64.51	10.96	27.24		27.24	0.000000	0.01	12409.79	1110.50	0.00
Hempstead Lake	6405.01*	Max WS	64.51	10.97	27.24		27.24	0.000000	0.01	12262.09	1108.81	0.00
Hempstead Lake	6391.36*	Max WS	64.50	10.98	27.24		27.24	0.000000	0.01	12117.16	1107.14	0.00
Hempstead Lake	6377.71*	Max WS	64.51	10.99	27.24		27.24	0.000000	0.01	11969.51	1105.51	0.00
Hempstead Lake	6364.06*	Max WS	64.50	11.00	27.24		27.24	0.000000	0.01	11825.71	1103.92	0.00
Hempstead Lake	6350.41*	Max WS	64.50	11.01	27.24		27.24	0.000000	0.01	11680.42	1102.42	0.00
Hempstead Lake	6336.76*	Max WS	64.50	11.02	27.24		27.24	0.000000	0.01	11537.14	1100.87	0.00
Hempstead Lake	6323.11*	Max WS	64.50	11.03	27.24		27.24	0.000000	0.01	11394.79	1099.36	0.00
Hempstead Lake	6309.45*	Max WS	64.50	11.04	27.24		27.24	0.000000	0.01	11250.22	1097.86	0.00
Hempstead Lake	6295.80*	Max WS	64.50	11.05	27.24		27.24	0.000000	0.01	11107.58	1096.47	0.00
Hempstead Lake	6282.15*	Max WS	64.50	11.06	27.24		27.24	0.000000	0.01	10967.42	1095.00	0.00
Hempstead Lake	6268.507	Max WS	64.49	11.07	27.24		27.24	0.000000	0.01	10825.55	1093.57	0.00
Hempstead Lake	6259.72*	Max WS	64.50	11.10	27.24		27.24	0.000000	0.01	11564.55	1105.81	0.00
Hempstead Lake	6250.93*	Max WS	64.49	11.14	27.24		27.24	0.000000	0.01	12317.05	1121.44	0.00
Hempstead Lake	6242.14*	Max WS	64.50	11.17	27.24		27.24	0.000000	0.00	13083.33	1137.06	0.00
Hempstead Lake	6233.35*	Max WS	64.49	11.21	27.24		27.24	0.000000	0.00	13873.45	1135.00	0.00
Hempstead Lake	6224.57*	Max WS	64.49	11.24	27.24		27.24	0.000000	0.00	14717.27	1117.87	0.00
Hempstead Lake	6215.78*	Max WS	64.49	11.27	27.24		27.24	0.000000	0.00	15625.93	1112.83	0.00
Hempstead Lake	6206.99*	Max WS	64.49	11.31	27.24		27.24	0.000000	0.00	16543.84	1144.21	0.00
Hempstead Lake	6198.21*	Max WS	64.49	11.34	27.24		27.24	0.000000	0.00	17449.86	1177.38	0.00
Hempstead Lake	6189.42*	Max WS	64.49	11.38	27.24		27.24	0.000000	0.00	18347.70	1211.89	0.00
Hempstead Lake	6180.638	Max WS	64.49	11.41	27.24		27.24	0.000000	0.00	19230.34	1247.39	0.00
Hempstead Lake	6177.638	Max WS	64.49	11.00	27.24	11.04	27.24	0.000000	0.00	19708.59	1244.96	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	42.39	10.80	14.41	11.62	14.43	0.000138	1.32	32.00		0.12
Hempstead Lake	5930.638	Max WS	42.34	10.80	14.40	11.62	14.43	0.000138	1.32	32.00		0.12
Hempstead Lake	5880.638	Max WS	42.30	10.80	14.39	11.62	14.42	0.000138	1.32	32.00		0.12
Hempstead Lake	5830.638	Max WS	42.16	10.80	14.39	11.62	14.41	0.000137	1.32	32.00		0.12
Hempstead Lake	5780.638	Max WS	42.16	10.80	14.38	11.62	14.41	0.000137	1.32	32.00		0.12
Hempstead Lake	5730.638	Max WS	42.16	10.80	14.37	11.62	14.40	0.000137	1.32	32.00		0.12
Hempstead Lake	5680.638	Max WS	42.16	10.80	14.36	11.62	14.39	0.000137	1.32	32.00		0.12
Hempstead Lake	5630.638	Max WS	42.16	10.80	14.36	11.62	14.38	0.000137	1.32	32.00		0.12
Hempstead Lake	5580.638	Max WS	42.14	10.80	14.35	11.62	14.38	0.000137	1.32	32.00		0.12
Hempstead Lake	5530.638	Max WS	42.09	10.80	14.34	11.62	14.37	0.000136	1.32	32.00		0.12
Hempstead Lake	5480.638	Max WS	42.05	10.80	14.34	11.62	14.36	0.000136	1.31	32.00		0.12
Hempstead Lake	5430.638	Max WS	41.89	8.00	14.31	8.77	14.32	0.001386	0.95	44.00		0.07
Hempstead Lake	5380.638	Max WS	41.66	8.00	14.27	8.77	14.28	0.000219	0.95	44.00		0.07
Hempstead Lake	5330.638	Max WS	41.41	8.00	14.23	8.76	14.24	0.001354	0.94	44.00		0.07
Hempstead Lake	5307.48*	Max WS	41.34	7.93	14.22		14.23	0.000281	0.66	62.89	10.00	0.05
Hempstead Lake	5284.32*	Max WS	41.29	7.87	14.21		14.22	0.000367	0.72	57.06	9.00	0.05
Hempstead Lake	5261.17*	Max WS	41.20	7.80	14.20		14.21	0.000497	0.80	51.18	8.00	0.06
Hempstead Lake	5238.01*	Max WS	41.10	7.73	14.18		14.19	0.000708	0.91	45.16	7.00	0.06
Hempstead Lake	5214.85*	Max WS	41.08	7.67	14.18		14.18	0.000571	0.35	116.67	170.27	0.07
Hempstead Lake	5191.70*	Max WS	41.03	7.60	14.17		14.17	0.000042	0.13	307.22	281.28	0.02
Hempstead Lake	5168.54*	Max WS	41.02	7.54	14.17		14.17	0.000006	0.07	576.91	319.96	0.01
Hempstead Lake	5145.39*	Max WS	41.02	7.47	14.17		14.17	0.000002	0.05	858.37	335.98	0.01
Hempstead Lake	5122.23*	Max WS	41.02	7.40	14.17		14.17	0.000001	0.04	1145.21	344.87	0.00
Hempstead Lake	5099.07*	Max WS	41.02	7.34	14.17		14.17	0.000000	0.03	1433.14	350.58	0.00
Hempstead Lake	5075.922	Max WS	41.01	7.27	14.17		14.17	0.000000	0.02	1720.51	357.56	0.00
Hempstead Lake	5055.96*	Max WS	41.01	7.23	14.17		14.17	0.000000	0.02	1708.63	367.45	0.00
Hempstead Lake	5036.01*	Max WS	41.01	7.20	14.17		14.17	0.000000	0.02	1721.96	391.44	0.00
Hempstead Lake	5016.05*	Max WS	41.01	7.16	14.17		14.17	0.000000	0.02	1781.74	426.57	0.00
Hempstead Lake	4996.10*	Max WS	41.00	7.12	14.17		14.17	0.000000	0.02	1988.27	571.50	0.00
Hempstead Lake	4976.14*	Max WS	41.00	7.09	14.17		14.17	0.000000	0.02	2321.85	580.55	0.00
Hempstead Lake	4956.192	Max WS	41.00	7.05	14.17		14.17	0.000000	0.02	2681.52	583.71	0.00
Hempstead Lake	4936.44*	Max WS	40.99	7.02	14.17		14.17	0.000000	0.01	2833.93	600.67	0.00
Hempstead Lake	4916.69*	Max WS	40.99	6.98	14.17		14.17	0.000000	0.01	3008.03	625.04	0.00
Hempstead Lake	4896.94*	Max WS	40.99	6.95	14.17		14.17	0.000000	0.01	3239.11	677.08	0.00
Hempstead Lake	4877.19*	Max WS	40.98	6.91	14.17		14.17	0.000000	0.01	3526.17	721.57	0.00
Hempstead Lake	4857.44*	Max WS	40.98	6.88	14.17		14.17	0.000000	0.01	3866.31	767.08	0.00
Hempstead Lake	4837.697	Max WS	40.97	6.84	14.17		14.17	0.000000	0.01	4248.50	803.29	0.00
Hempstead Lake	4817.64*	Max WS	192.30	6.81	14.17		14.17	0.000001	0.04	4314.72	797.74	0.00
Hempstead Lake	4797.59*	Max WS	192.29	6.77	14.17		14.17	0.000001	0.04	4381.82	793.49	0.00
Hempstead Lake	4777.53*	Max WS	192.29	6.67	14.17		14.17	0.000000	0.04	4450.20	790.74	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	192.28	6.58	14.17		14.17	0.000000	0.04	4518.31	789.70	0.00
Hempstead Lake	4737.42*	Max WS	192.28	6.49	14.17		14.17	0.000000	0.04	4587.76	789.60	0.00
Hempstead Lake	4717.37*	Max WS	192.27	6.40	14.17		14.17	0.000000	0.04	4657.30	790.34	0.00
Hempstead Lake	4697.32*	Max WS	192.27	6.30	14.17		14.17	0.000000	0.04	4730.24	791.77	0.00
Hempstead Lake	4677.26*	Max WS	192.26	6.21	14.17		14.17	0.000000	0.04	4803.81	794.09	0.00
Hempstead Lake	4657.21*	Max WS	192.25	6.12	14.17		14.17	0.000000	0.04	4879.83	797.30	0.00
Hempstead Lake	4637.16*	Max WS	192.25	6.02	14.17		14.17	0.000000	0.04	4958.18	800.81	0.00
Hempstead Lake	4617.10*	Max WS	192.24	5.91	14.17		14.17	0.000000	0.04	5038.83	801.97	0.00
Hempstead Lake	4597.05*	Max WS	192.24	5.76	14.17		14.17	0.000000	0.04	5119.69	803.35	0.00
Hempstead Lake	4577.*	Max WS	192.23	5.60	14.17		14.17	0.000000	0.04	5203.43	804.41	0.00
Hempstead Lake	4556.94*	Max WS	192.23	5.45	14.17		14.17	0.000000	0.04	5288.49	805.16	0.00
Hempstead Lake	4536.893	Max WS	192.22	5.30	14.17		14.17	0.000000	0.04	5374.40	805.70	0.00
Hempstead Lake	4516.70*	Max WS	199.68	5.16	14.17		14.17	0.000000	0.04	5420.10	805.10	0.00
Hempstead Lake	4496.51*	Max WS	199.68	5.02	14.17		14.17	0.000000	0.04	5471.60	805.33	0.00
Hempstead Lake	4476.32*	Max WS	199.67	4.88	14.17		14.17	0.000000	0.04	5529.49	806.70	0.00
Hempstead Lake	4456.14*	Max WS	199.67	4.74	14.17		14.17	0.000000	0.04	5592.69	809.17	0.00
Hempstead Lake	4435.95*	Max WS	199.66	4.60	14.17		14.17	0.000000	0.04	5665.46	816.30	0.00
Hempstead Lake	4415.76*	Max WS	199.65	4.46	14.17		14.17	0.000000	0.03	5747.76	821.49	0.00
Hempstead Lake	4395.57*	Max WS	199.65	4.32	14.17		14.17	0.000000	0.03	5838.73	826.45	0.00
Hempstead Lake	4375.38*	Max WS	199.64	4.18	14.17		14.17	0.000000	0.03	5936.66	828.30	0.00
Hempstead Lake	4355.20*	Max WS	199.64	4.04	14.17		14.17	0.000000	0.03	6041.18	829.14	0.00
Hempstead Lake	4335.01*	Max WS	199.63	3.90	14.17		14.17	0.000000	0.03	6151.13	829.82	0.00
Hempstead Lake	4314.82*	Max WS	199.62	3.76	14.17		14.17	0.000000	0.03	6267.69	830.07	0.00
Hempstead Lake	4294.63*	Max WS	199.62	3.62	14.17		14.17	0.000000	0.03	6388.85	830.10	0.00
Hempstead Lake	4274.44*	Max WS	199.61	3.48	14.17		14.17	0.000000	0.03	6514.59	829.89	0.00
Hempstead Lake	4254.26*	Max WS	199.61	3.34	14.17		14.17	0.000000	0.03	6646.36	829.57	0.00
Hempstead Lake	4234.07*	Max WS	199.60	3.20	14.17		14.17	0.000000	0.03	6783.57	829.13	0.00
Hempstead Lake	4213.88*	Max WS	199.60	3.06	14.17		14.17	0.000000	0.03	6926.38	828.54	0.00
Hempstead Lake	4193.69*	Max WS	199.59	2.92	14.17		14.17	0.000000	0.03	7073.08	827.87	0.00
Hempstead Lake	4173.50*	Max WS	199.58	2.78	14.17		14.17	0.000000	0.03	7225.79	827.06	0.00
Hempstead Lake	4153.320	Max WS	199.58	2.64	14.17		14.17	0.000000	0.03	7383.01	826.22	0.00
Hempstead Lake	4131.85*	Max WS	205.66	2.69	14.17		14.17	0.000000	0.03	7317.95	824.22	0.00
Hempstead Lake	4110.38*	Max WS	205.65	2.75	14.17		14.17	0.000000	0.03	7257.14	821.85	0.00
Hempstead Lake	4088.91*	Max WS	205.64	2.80	14.17		14.17	0.000000	0.03	7204.83	818.99	0.00
Hempstead Lake	4067.44*	Max WS	205.64	2.86	14.17		14.17	0.000000	0.03	7155.82	815.54	0.00
Hempstead Lake	4045.97*	Max WS	205.63	2.91	14.17		14.17	0.000000	0.03	7116.48	810.79	0.00
Hempstead Lake	4024.50*	Max WS	205.62	2.97	14.17		14.17	0.000000	0.03	7081.69	805.28	0.00
Hempstead Lake	4003.034	Max WS	205.62	3.02	14.17		14.17	0.000000	0.03	7056.85	800.04	0.00
Hempstead Lake	3984.01*	Max WS	205.61	3.78	14.17		14.17	0.000000	0.03	6118.26	783.21	0.00
Hempstead Lake	3964.99*	Max WS	205.61	4.54	14.17		14.17	0.000000	0.04	5201.09	765.86	0.00
Hempstead Lake	3945.97*	Max WS	205.60	5.30	14.17		14.17	0.000001	0.05	4304.32	747.95	0.00
Hempstead Lake	3926.95*	Max WS	205.60	6.06	14.17		14.17	0.000001	0.06	3430.72	725.87	0.00
Hempstead Lake	3907.93*	Max WS	205.59	6.82	14.17		14.17	0.000003	0.08	2581.14	704.68	0.01
Hempstead Lake	3888.916	Max WS	207.59	7.58	14.17		14.17	0.000001	0.16	1293.09	677.35	0.01
Hempstead Lake	3883.916	Max WS	207.59	7.20	14.17	8.12	14.17	0.000002	0.20	1031.06	675.20	0.01
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	200.20	7.19	11.05		11.12	0.000459	2.08	96.19	191.67	0.22
Hempstead Lake	3858.916	Max WS	200.44	7.17	11.09		11.09	0.000031	0.47	430.33	195.22	0.06
Hempstead Lake	3826.579	Max WS	200.28	6.10	11.06		11.10	0.000246	1.69	118.53	61.99	0.16
Hempstead Lake	3821.579	Max WS	199.37	6.02	10.93		11.12	0.000596	3.45	57.82	32.87	0.28
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	196.83	5.94	10.64		10.74	0.000413	2.62	75.21	25.90	0.22
Hempstead Lake	3736.579	Max WS	197.24	5.88	10.67		10.74	0.000383	2.09	94.28	27.32	0.20
Hempstead Lake	3699.46*	Max WS	197.16	5.83	10.67		10.73	0.000463	1.98	99.34	34.61	0.21
Hempstead Lake	3662.35*	Max WS	197.08	5.78	10.66		10.71	0.000536	1.86	106.19	42.36	0.21
Hempstead Lake	3625.24*	Max WS	197.08	5.74	10.65		10.70	0.000620	1.70	115.60	56.63	0.21
Hempstead Lake	3588.13*	Max WS	197.00	5.69	10.65		10.66	0.000626	1.07	184.17	172.48	0.18
Hempstead Lake	3551.028	Max WS	196.99	5.64	10.64		10.65	0.000128	0.69	284.65	232.28	0.11
Hempstead Lake	3531.67*	Max WS	196.99	5.61	10.64		10.65	0.000266	0.72	273.98	212.30	0.11
Hempstead Lake	3512.33*	Max WS	196.92	5.58	10.64		10.64	0.000250	0.74	267.06	197.56	0.11
Hempstead Lake	3492.98*	Max WS	196.92	5.55	10.63		10.64	0.000234	0.75	261.50	186.48	0.11
Hempstead Lake	3473.63*	Max WS	196.92	5.52	10.63		10.64	0.000216	0.76	257.81	178.78	0.11
Hempstead Lake	3454.28*	Max WS	196.92	5.49	10.62		10.63	0.000198	0.77	254.80	171.93	0.11
Hempstead Lake	3434.93*	Max WS	196.86	5.46	10.62		10.63	0.000168	0.78	253.12	166.18	0.11
Hempstead Lake	3415.58*	Max WS	196.86	5.43	10.62		10.63	0.000147	0.78	251.37	160.85	0.11
Hempstead Lake	3396.239	Max WS	196.86	5.40	10.62		10.63	0.000127	0.78	250.90	156.64	0.11
Hempstead Lake	3376.88*	Max WS	196.86	5.37	10.61		10.62	0.000128	0.77	254.12	157.45	0.11
Hempstead Lake	3357.52*	Max WS	196.86	5.34	10.61		10.62	0.000129	0.77	257.11	158.59	0.11
Hempstead Lake	3338.16*	Max WS	196.86	5.32	10.61		10.62	0.000130	0.76	260.18	159.35	0.10
Hempstead Lake	3318.80*	Max WS	196.85	5.29	10.61		10.62	0.000130	0.75	263.71	160.27	0.10
Hempstead Lake	3299.44*	Max WS	196.85	5.26	10.61		10.61	0.000131	0.74	266.44	160.92	0.10
Hempstead Lake	3280.08*	Max WS	196.81	5.23	10.60		10.61	0.000132	0.73	269.54	161.89	0.10
Hempstead Lake	3260.73*	Max WS	196.81	5.21	10.60		10.61	0.000134	0.72	272.42	162.47	0.10
Hempstead Lake	3241.37*	Max WS	196.81	5.18	10.60		10.61	0.000128	0.71	275.45	163.02	0.10
Hempstead Lake	3222.01*	Max WS	196.81	5.15	10.60		10.60	0.000130	0.71	278.65	163.87	0.10
Hempstead Lake	3202.65*	Max WS	196.80	5.12	10.59		10.60	0.000131	0.70	281.58	164.33	0.09
Hempstead Lake	3183.29*	Max WS	196.80	5.10	10.59		10.60	0.000134	0.69	284.14	164.87	0.09
Hempstead Lake	3163.93*	Max WS	196.80	5.07	10.59		10.60	0.000136	0.69	286.98	165.25	0.09
Hempstead Lake	3144.581	Max WS	196.80	5.04	10.59		10.59	0.000081	0.68	289.91	165.78	0.09
Hempstead Lake	3124.73*	Max WS	196.80	5.01	10.59		10.59	0.000089	0.67	293.28	166.86	0.09
Hempstead Lake	3104.89*	Max WS	196.80	4.98	10.58		10.59	0.000086	0.66	296.91	168.08	0.09

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

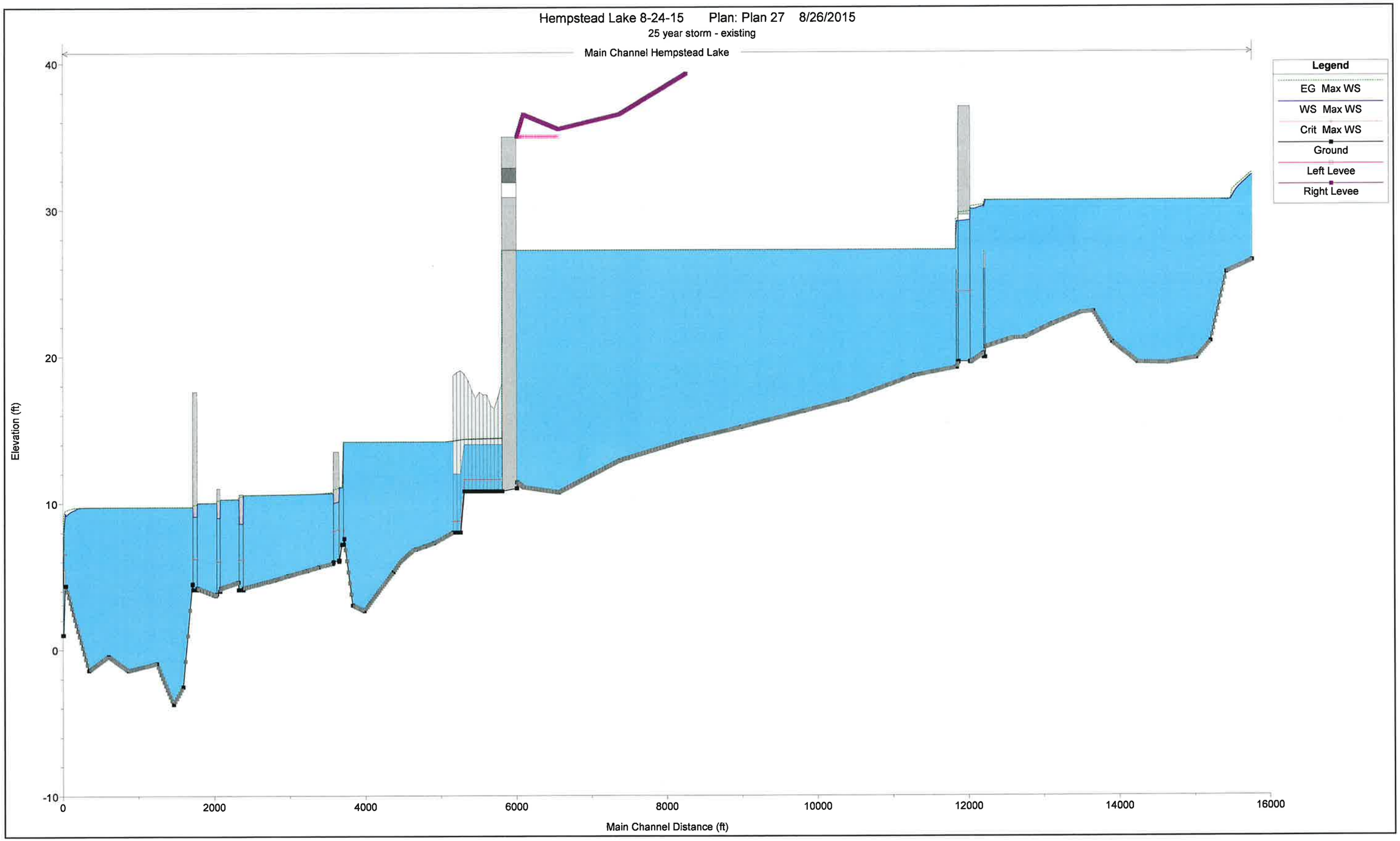
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	196.80	4.95	10.58		10.59	0.000083	0.65	301.03	169.38	0.09
Hempstead Lake	3065.2*	Max WS	196.79	4.92	10.58		10.59	0.000080	0.65	304.74	170.29	0.09
Hempstead Lake	3045.35*	Max WS	196.79	4.88	10.58		10.59	0.000073	0.64	309.18	171.71	0.08
Hempstead Lake	3025.51*	Max WS	196.79	4.85	10.58		10.59	0.000070	0.63	313.76	172.93	0.08
Hempstead Lake	3005.66*	Max WS	196.79	4.82	10.58		10.58	0.000067	0.62	318.60	174.18	0.08
Hempstead Lake	2985.81*	Max WS	196.79	4.79	10.58		10.58	0.000061	0.61	322.91	175.08	0.08
Hempstead Lake	2965.974	Max WS	196.79	4.76	10.58		10.58	0.000060	0.60	327.53	176.29	0.08
Hempstead Lake	2951.87*	Max WS	196.79	4.74	10.58		10.58	0.000089	0.60	327.89	178.69	0.08
Hempstead Lake	2937.77*	Max WS	196.79	4.72	10.57		10.58	0.000090	0.60	328.47	181.26	0.08
Hempstead Lake	2923.67*	Max WS	196.78	4.70	10.57		10.58	0.000091	0.60	329.00	183.70	0.08
Hempstead Lake	2909.57*	Max WS	196.78	4.68	10.57		10.58	0.000091	0.60	329.51	186.22	0.08
Hempstead Lake	2895.47*	Max WS	196.78	4.66	10.57		10.58	0.000091	0.60	329.43	188.61	0.08
Hempstead Lake	2881.37*	Max WS	196.78	4.64	10.57		10.57	0.000091	0.60	329.73	191.38	0.08
Hempstead Lake	2867.27*	Max WS	196.78	4.62	10.57		10.57	0.000091	0.60	330.47	193.91	0.08
Hempstead Lake	2853.17*	Max WS	196.78	4.61	10.57		10.57	0.000090	0.59	330.78	196.72	0.08
Hempstead Lake	2839.07*	Max WS	196.78	4.59	10.57		10.57	0.000090	0.60	330.71	199.19	0.08
Hempstead Lake	2824.98*	Max WS	196.78	4.57	10.56		10.57	0.000089	0.59	331.33	202.09	0.08
Hempstead Lake	2810.88*	Max WS	196.78	4.55	10.56		10.57	0.000089	0.59	331.20	204.76	0.08
Hempstead Lake	2796.78*	Max WS	196.78	4.53	10.56		10.57	0.000089	0.59	331.44	207.62	0.08
Hempstead Lake	2782.68*	Max WS	196.78	4.51	10.56		10.57	0.000088	0.59	331.91	210.36	0.08
Hempstead Lake	2768.58*	Max WS	196.78	4.49	10.56		10.57	0.000087	0.59	332.33	213.46	0.08
Hempstead Lake	2754.48*	Max WS	196.78	4.47	10.56		10.56	0.000085	0.59	332.18	216.13	0.08
Hempstead Lake	2740.38*	Max WS	196.75	4.45	10.56		10.56	0.000084	0.59	332.39	219.34	0.08
Hempstead Lake	2726.28*	Max WS	196.75	4.43	10.56		10.56	0.000084	0.59	332.99	222.28	0.09
Hempstead Lake	2712.18*	Max WS	196.75	4.41	10.56		10.56	0.000082	0.59	333.44	225.82	0.09
Hempstead Lake	2698.08*	Max WS	196.75	4.39	10.55		10.56	0.000080	0.59	333.19	228.68	0.09
Hempstead Lake	2683.98*	Max WS	196.74	4.37	10.55		10.56	0.000078	0.59	333.60	231.89	0.09
Hempstead Lake	2669.88*	Max WS	196.74	4.35	10.55		10.56	0.000076	0.59	334.33	235.58	0.09
Hempstead Lake	2655.78*	Max WS	196.74	4.34	10.55		10.56	0.000076	0.59	334.09	238.40	0.09
Hempstead Lake	2641.68*	Max WS	196.74	4.32	10.55		10.56	0.000074	0.59	334.51	242.02	0.09
Hempstead Lake	2627.58*	Max WS	196.74	4.30	10.55		10.55	0.000071	0.59	335.34	245.44	0.09
Hempstead Lake	2613.48*	Max WS	196.74	4.28	10.55		10.55	0.000068	0.59	335.31	249.07	0.09
Hempstead Lake	2599.38*	Max WS	196.74	4.26	10.55		10.55	0.000066	0.59	336.01	252.77	0.09
Hempstead Lake	2585.29*	Max WS	196.74	4.24	10.55		10.55	0.000065	0.58	336.75	256.86	0.09
Hempstead Lake	2571.19*	Max WS	196.74	4.22	10.55		10.55	0.000062	0.58	337.74	261.17	0.09
Hempstead Lake	2557.091	Max WS	196.68	4.20	10.54		10.55	0.000145	0.81	241.63	263.91	0.12
Hempstead Lake	2552.091	Max WS	196.45	4.09	10.48		10.57	0.000426	2.36	83.19	56.01	0.18
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	195.40	4.09	10.23		10.31	0.000400	2.26	86.60	36.69	0.18
Hempstead Lake	2487.091	Max WS	195.66	4.60	10.27		10.28	0.000090	0.51	386.36	323.87	0.07
Hempstead Lake	2477.12*	Max WS	195.66	4.58	10.27		10.27	0.000072	0.51	384.97	319.40	0.07
Hempstead Lake	2467.14*	Max WS	195.66	4.57	10.27		10.27	0.000079	0.51	383.78	314.80	0.07
Hempstead Lake	2457.17*	Max WS	195.66	4.55	10.27		10.27	0.000090	0.51	380.51	310.36	0.08
Hempstead Lake	2447.20*	Max WS	195.59	4.53	10.27		10.27	0.000101	0.52	378.21	305.80	0.08
Hempstead Lake	2437.23*	Max WS	195.58	4.51	10.27		10.27	0.000183	0.52	375.75	301.53	0.08
Hempstead Lake	2427.26*	Max WS	195.58	4.50	10.26		10.27	0.000187	0.53	372.18	296.99	0.08
Hempstead Lake	2417.29*	Max WS	195.58	4.48	10.26		10.27	0.000190	0.53	368.77	292.64	0.08
Hempstead Lake	2407.32*	Max WS	195.58	4.46	10.26		10.27	0.000138	0.53	365.97	288.44	0.08
Hempstead Lake	2397.35*	Max WS	195.58	4.44	10.26		10.26	0.000140	0.54	361.80	283.69	0.08
Hempstead Lake	2387.37*	Max WS	195.50	4.43	10.26		10.26	0.000138	0.54	358.91	279.37	0.08
Hempstead Lake	2377.40*	Max WS	195.50	4.41	10.26		10.26	0.000134	0.55	355.96	261.11	0.08
Hempstead Lake	2367.43*	Max WS	195.50	4.39	10.26		10.26	0.000133	0.55	352.79	252.86	0.08
Hempstead Lake	2357.46*	Max WS	195.50	4.37	10.25		10.26	0.000127	0.56	351.18	246.80	0.08
Hempstead Lake	2347.49*	Max WS	195.50	4.36	10.25		10.26	0.000120	0.56	349.53	241.39	0.08
Hempstead Lake	2337.52*	Max WS	195.50	4.34	10.25		10.26	0.000118	0.56	348.10	237.27	0.08
Hempstead Lake	2327.55*	Max WS	195.40	4.32	10.25		10.25	0.000116	0.56	347.82	233.49	0.08
Hempstead Lake	2317.58*	Max WS	195.40	4.30	10.25		10.25	0.000115	0.56	348.76	231.73	0.07
Hempstead Lake	2307.60*	Max WS	195.40	4.29	10.25		10.25	0.000112	0.56	350.06	230.73	0.07
Hempstead Lake	2297.63*	Max WS	195.40	4.27	10.25		10.25	0.000104	0.55	353.08	238.68	0.07
Hempstead Lake	2287.66*	Max WS	195.40	4.25	10.25		10.25	0.000094	0.55	356.87	266.10	0.07
Hempstead Lake	2277.69*	Max WS	195.40	4.23	10.25		10.25	0.000081	0.54	362.74	290.74	0.07
Hempstead Lake	2267.72*	Max WS	195.40	4.22	10.24		10.25	0.000071	0.53	370.26	315.94	0.07
Hempstead Lake	2257.752	Max WS	195.40	4.20	10.24		10.25	0.000066	0.51	380.13	341.07	0.06
Hempstead Lake	2252.75*	Max WS	195.29	4.10	10.24		10.25	0.000244	0.72	271.42	331.86	0.08
Hempstead Lake	2247.752	Max WS	194.96	4.00	10.21		10.25	0.000126	1.52	128.07	314.95	0.12
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	191.37	3.80	10.01		10.02	0.000063	0.88	217.25	61.39	0.08
Hempstead Lake	2192.75*	Max WS	191.37	3.75	10.02		10.02	0.000042	0.58	327.66	106.72	0.06
Hempstead Lake	2187.752	Max WS	191.37	3.70	10.02		10.02	0.000028	0.54	461.95	232.45	0.05
Hempstead Lake	2178.63*	Max WS	191.36	3.72	10.02		10.02	0.000030	0.57	421.19	223.26	0.06
Hempstead Lake	2169.52*	Max WS	191.36	3.74	10.02		10.02	0.000033	0.59	382.15	213.87	0.06
Hempstead Lake	2160.40*	Max WS	191.36	3.76	10.02		10.02	0.000035	0.61	345.77	204.33	0.06
Hempstead Lake	2151.29*	Max WS	191.35	3.78	10.02		10.02	0.000037	0.63	313.45	165.51	0.06
Hempstead Lake	2142.17*	Max WS	191.35	3.80	10.02		10.02	0.000038	0.64	298.65	92.92	0.06
Hempstead Lake	2133.05*	Max WS	191.35	3.82	10.02		10.02	0.000039	0.65	292.83	90.98	0.06
Hempstead Lake	2123.94*	Max WS	191.35	3.83	10.01		10.02	0.000040	0.67	287.37	89.16	0.07
Hempstead Lake	2114.82*	Max WS	191.35	3.85	10.01		10.02	0.000042	0.68	281.49	87.51	0.07
Hempstead Lake	2105.71*	Max WS	191.34	3.87	10.01		10.02	0.000044	0.69	276.03	86.04	0.07
Hempstead Lake	2096.59*	Max WS	191.34	3.89	10.01		10.02	0.000046	0.71	269.99	84.62	0.07
Hempstead Lake	2087.48*	Max WS	191.34	3.91	10.01		10.02	0.000048	0.72	264.21	83.30	0.07
Hempstead Lake	2078.36*	Max WS	191.34	3.93	10.01		10.02	0.000050	0.74	258.04	81.45	0.07

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	191.34	3.95	10.01		10.02	0.000052	0.76	252.61	79.27	0.07
Hempstead Lake	2060.13*	Max WS	191.34	3.97	10.01		10.02	0.000054	0.77	247.02	77.18	0.08
Hempstead Lake	2051.01*	Max WS	191.34	3.99	10.01		10.02	0.000056	0.79	242.03	75.24	0.08
Hempstead Lake	2041.90*	Max WS	191.34	4.01	10.01		10.02	0.000059	0.81	236.84	73.34	0.08
Hempstead Lake	2032.78*	Max WS	191.34	4.03	10.01		10.02	0.000061	0.82	232.24	71.61	0.08
Hempstead Lake	2023.67*	Max WS	191.34	4.05	10.01		10.02	0.000063	0.84	227.54	69.94	0.08
Hempstead Lake	2014.55*	Max WS	191.34	4.07	10.00		10.02	0.000065	0.86	223.25	68.39	0.08
Hempstead Lake	2005.44*	Max WS	191.34	4.08	10.00		10.02	0.000068	0.87	218.73	66.83	0.09
Hempstead Lake	1996.32*	Max WS	191.34	4.10	10.00		10.01	0.000070	0.89	214.73	65.41	0.09
Hempstead Lake	1987.20*	Max WS	191.34	4.12	10.00		10.01	0.000073	0.91	210.49	64.03	0.09
Hempstead Lake	1978.09*	Max WS	191.18	4.14	10.00		10.01	0.000076	0.93	206.62	62.74	0.09
Hempstead Lake	1968.97*	Max WS	191.18	4.16	10.00		10.01	0.000079	0.94	202.49	61.42	0.09
Hempstead Lake	1959.86*	Max WS	191.18	4.18	10.00		10.01	0.000082	0.96	198.83	60.23	0.09
Hempstead Lake	1950.747	Max WS	191.18	4.20	10.00		10.01	0.000085	0.98	194.92	59.04	0.10
Hempstead Lake	1945.747	Max WS	189.75	4.21	9.95		10.02	0.000347	2.09	90.63	17.59	0.16
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	180.88	4.50	9.69		9.79	0.000589	2.49	72.66	14.00	0.19
Hempstead Lake	1880.747	Max WS	182.48	4.45	9.74		9.74	0.000020	0.46	394.84	129.22	0.05
Hempstead Lake	1848.83*	Max WS	182.65	2.70	9.74		9.74	0.000002	0.12	1547.49	389.13	0.01
Hempstead Lake	1816.92*	Max WS	182.65	0.95	9.74		9.74	0.000000	0.05	3562.41	627.44	0.00
Hempstead Lake	1785.01*	Max WS	182.64	-0.80	9.74		9.74	0.000000	0.03	6177.99	819.89	0.00
Hempstead Lake	1753.104	Max WS	182.64	-2.55	9.74		9.74	0.000000	0.02	9339.08	1004.08	0.00
Hempstead Lake	1732.65*	Max WS	182.63	-2.75	9.74		9.74	0.000000	0.02	9365.02	1010.23	0.00
Hempstead Lake	1712.21*	Max WS	182.63	-2.95	9.74		9.74	0.000000	0.02	9407.21	1020.06	0.00
Hempstead Lake	1691.76*	Max WS	182.62	-3.14	9.74		9.74	0.000000	0.02	9470.05	1035.14	0.00
Hempstead Lake	1671.32*	Max WS	182.61	-3.34	9.74		9.74	0.000000	0.02	9559.03	1053.69	0.00
Hempstead Lake	1650.87*	Max WS	182.61	-3.54	9.74		9.74	0.000000	0.02	9681.69	1079.81	0.00
Hempstead Lake	1630.434	Max WS	182.60	-3.74	9.74		9.74	0.000000	0.02	9856.98	1176.39	0.00
Hempstead Lake	1610.36*	Max WS	182.60	-3.49	9.74		9.74	0.000000	0.02	9387.76	1100.45	0.00
Hempstead Lake	1590.30*	Max WS	182.59	-3.23	9.74		9.74	0.000000	0.02	8941.96	1060.42	0.00
Hempstead Lake	1570.23*	Max WS	182.58	-2.98	9.74		9.74	0.000000	0.02	8507.26	1036.36	0.00
Hempstead Lake	1550.17*	Max WS	182.58	-2.73	9.74		9.74	0.000000	0.02	8083.84	1011.88	0.00
Hempstead Lake	1530.10*	Max WS	182.57	-2.47	9.74		9.74	0.000000	0.02	7668.84	986.32	0.00
Hempstead Lake	1510.03*	Max WS	182.57	-2.22	9.74		9.74	0.000000	0.03	7264.73	960.11	0.00
Hempstead Lake	1489.97*	Max WS	182.56	-1.96	9.74		9.74	0.000000	0.03	6872.03	933.00	0.00
Hempstead Lake	1469.90*	Max WS	182.56	-1.71	9.74		9.74	0.000000	0.03	6491.06	904.63	0.00
Hempstead Lake	1449.83*	Max WS	182.56	-1.46	9.74		9.74	0.000000	0.03	6123.70	874.52	0.00
Hempstead Lake	1429.77*	Max WS	182.55	-1.20	9.74		9.74	0.000000	0.03	5767.03	843.63	0.00
Hempstead Lake	1409.707	Max WS	182.55	-0.95	9.74		9.74	0.000000	0.03	5424.87	807.66	0.00
Hempstead Lake	1389.03*	Max WS	1933.58	-0.98	9.74		9.74	0.000004	0.36	5440.00	811.76	0.02
Hempstead Lake	1368.35*	Max WS	1933.57	-1.00	9.74		9.74	0.000004	0.36	5457.22	814.93	0.02
Hempstead Lake	1347.67*	Max WS	1933.57	-1.03	9.74		9.74	0.000004	0.35	5475.70	816.42	0.02
Hempstead Lake	1326.99*	Max WS	1933.56	-1.06	9.74		9.74	0.000004	0.35	5493.46	816.77	0.02
Hempstead Lake	1306.32*	Max WS	1933.55	-1.08	9.73		9.74	0.000004	0.35	5509.20	816.95	0.02
Hempstead Lake	1285.64*	Max WS	1933.55	-1.11	9.73		9.74	0.000004	0.35	5525.33	816.78	0.02
Hempstead Lake	1264.96*	Max WS	1933.54	-1.14	9.73		9.74	0.000004	0.35	5540.61	816.61	0.02
Hempstead Lake	1244.28*	Max WS	1933.54	-1.16	9.73		9.74	0.000004	0.35	5556.07	816.11	0.02
Hempstead Lake	1223.61*	Max WS	1933.53	-1.19	9.73		9.74	0.000004	0.35	5570.86	815.74	0.02
Hempstead Lake	1202.93*	Max WS	1933.53	-1.22	9.73		9.74	0.000004	0.35	5584.12	815.12	0.02
Hempstead Lake	1182.25*	Max WS	1933.52	-1.24	9.73		9.74	0.000004	0.35	5597.31	814.68	0.02
Hempstead Lake	1161.57*	Max WS	1933.52	-1.27	9.73		9.74	0.000004	0.35	5609.63	814.44	0.02
Hempstead Lake	1140.90*	Max WS	1933.51	-1.30	9.73		9.74	0.000004	0.35	5621.89	814.08	0.02
Hempstead Lake	1120.22*	Max WS	1933.51	-1.32	9.73		9.74	0.000004	0.35	5634.43	814.00	0.02
Hempstead Lake	1099.54*	Max WS	1933.50	-1.35	9.73		9.74	0.000004	0.35	5645.30	813.74	0.02
Hempstead Lake	1078.87*	Max WS	1933.50	-1.38	9.73		9.74	0.000004	0.35	5654.80	813.82	0.02
Hempstead Lake	1058.19*	Max WS	1933.50	-1.40	9.73		9.74	0.000004	0.35	5666.35	813.94	0.02
Hempstead Lake	1037.515	Max WS	1933.49	-1.43	9.73		9.74	0.000003	0.35	5676.10	814.31	0.02
Hempstead Lake	1017.08*	Max WS	1940.68	-1.35	9.73		9.74	0.000004	0.35	5689.00	809.20	0.02
Hempstead Lake	996.645*	Max WS	1940.67	-1.28	9.73		9.74	0.000005	0.35	5701.44	804.18	0.02
Hempstead Lake	976.210*	Max WS	1940.67	-1.20	9.73		9.74	0.000006	0.35	5711.89	798.59	0.02
Hempstead Lake	955.775*	Max WS	1940.67	-1.13	9.73		9.74	0.000007	0.35	5721.89	792.93	0.02
Hempstead Lake	935.340*	Max WS	1940.67	-1.05	9.73		9.74	0.000007	0.35	5729.61	787.14	0.02
Hempstead Lake	914.905*	Max WS	1940.66	-0.98	9.73		9.74	0.000009	0.35	5736.54	781.13	0.02
Hempstead Lake	894.471*	Max WS	1940.66	-0.90	9.73		9.74	0.000009	0.35	5741.50	775.07	0.02
Hempstead Lake	874.036*	Max WS	1940.66	-0.83	9.73		9.73	0.000011	0.35	5745.39	768.78	0.02
Hempstead Lake	853.601*	Max WS	1940.66	-0.75	9.73		9.73	0.000012	0.35	5748.14	762.42	0.02
Hempstead Lake	833.166*	Max WS	1940.66	-0.68	9.73		9.73	0.000013	0.35	5747.88	756.12	0.02
Hempstead Lake	812.731*	Max WS	1940.65	-0.60	9.73		9.73	0.000014	0.35	5747.48	749.58	0.02
Hempstead Lake	792.296*	Max WS	1940.65	-0.53	9.73		9.73	0.000015	0.35	5745.94	743.10	0.02
Hempstead Lake	771.862	Max WS	1940.65	-0.45	9.73		9.73	0.000003	0.35	5742.25	736.44	0.02
Hempstead Lake	750.331*	Max WS	1943.12	-0.53	9.73		9.73	0.000016	0.37	5473.06	721.14	0.02
Hempstead Lake	728.8*	Max WS	1943.11	-0.61	9.73		9.73	0.000017	0.38	5225.32	701.36	0.02
Hempstead Lake	707.269*	Max WS	1943.11	-0.69	9.73		9.73	0.000017	0.40	5003.88	675.90	0.02
Hempstead Lake	685.738*	Max WS	1943.11	-0.77	9.73		9.73	0.000016	0.41	4813.89	650.60	0.03
Hempstead Lake	664.207*	Max WS	1943.11	-0.85	9.73		9.73	0.000015	0.42	4651.40	632.79	0.03
Hempstead Lake	642.676*	Max WS	1943.11	-0.93	9.73		9.73	0.000015	0.44	4514.28	615.74	0.03
Hempstead Lake	621.145*	Max WS	1943.10	-1.02	9.73		9.73	0.000013	0.45	4399.13	600.37	0.03
Hempstead Lake	599.614*	Max WS	1943.10	-1.10	9.73		9.73	0.000012	0.46	4307.28	585.71	0.03
Hempstead Lake	578.083*	Max WS	1943.10	-1.18	9.73		9.73	0.000010	0.46	4238.17	567.47	0.03
Hempstead Lake	556.552*	Max WS	1943.10	-1.26	9.73		9.73	0.000009	0.47	4193.41	547.06	0.03
Hempstead Lake	535.021*	Max WS	1943.10	-1.34	9.73		9.73	0.000007	0.47	4172.50	531.92	0.03

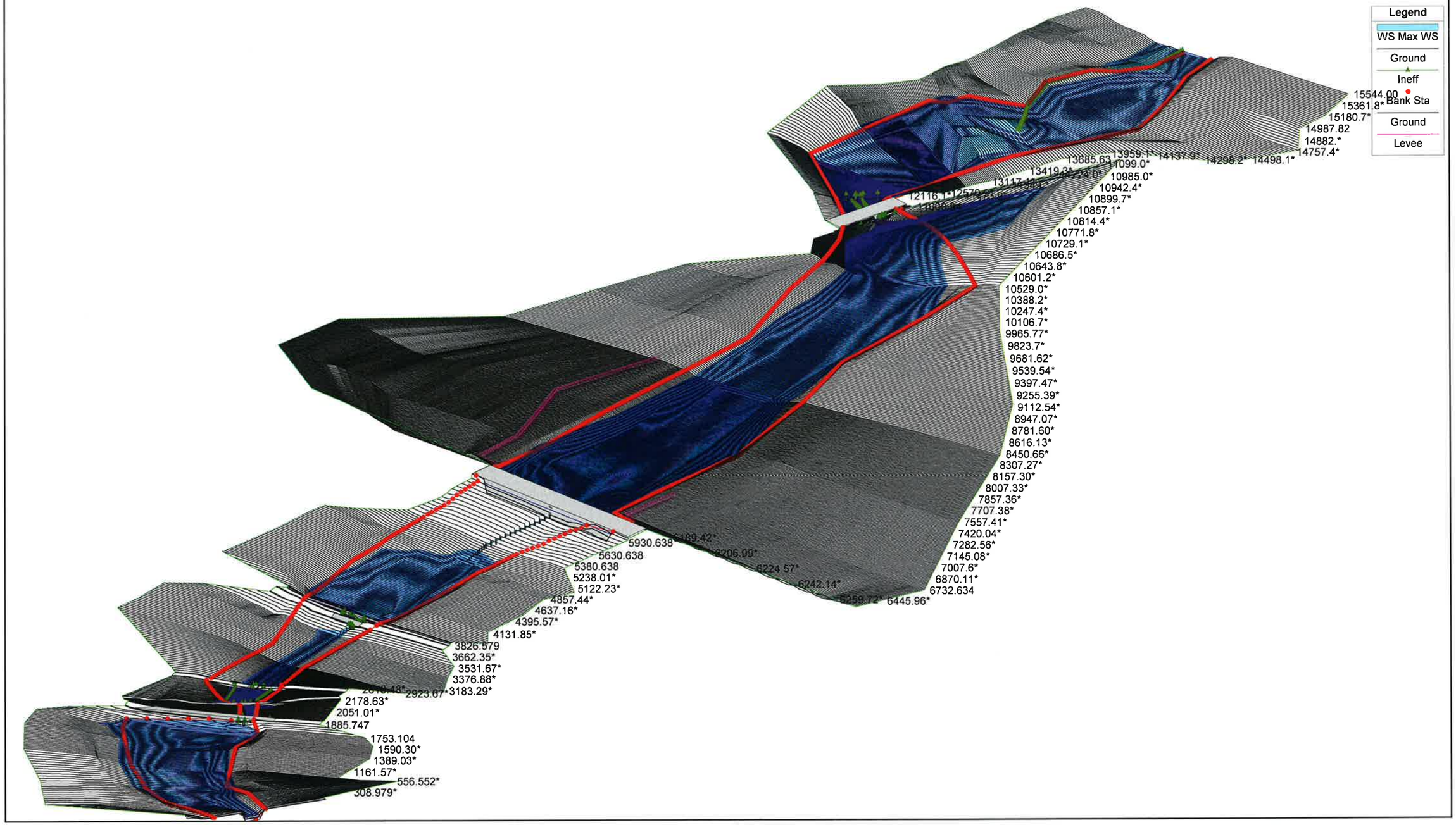
HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	1943.10	-1.42	9.73		9.73	0.000005	0.47	4168.92	519.24	0.03
Hempstead Lake	493.038*	Max WS	1950.72	-1.03	9.73		9.73	0.000015	0.53	3705.09	502.32	0.03
Hempstead Lake	472.587*	Max WS	1950.71	-0.65	9.72		9.73	0.000024	0.60	3258.59	485.25	0.04
Hempstead Lake	452.136*	Max WS	1950.71	-0.26	9.72		9.73	0.000039	0.69	2827.12	471.55	0.05
Hempstead Lake	431.685*	Max WS	1950.71	0.12	9.72		9.73	0.000064	0.81	2410.25	458.34	0.06
Hempstead Lake	411.234*	Max WS	1950.71	0.51	9.71		9.73	0.000106	0.97	2007.69	444.83	0.08
Hempstead Lake	390.783*	Max WS	1950.71	0.90	9.70		9.72	0.000184	1.21	1617.83	430.63	0.11
Hempstead Lake	370.332*	Max WS	1950.71	1.28	9.68		9.72	0.000317	1.57	1242.23	415.45	0.16
Hempstead Lake	349.881*	Max WS	1950.71	1.67	9.64		9.71	0.000517	2.21	881.22	380.33	0.26
Hempstead Lake	329.430*	Max WS	1950.70	2.05	9.56		9.70	0.000691	2.98	655.57	137.75	0.24
Hempstead Lake	308.979*	Max WS	1950.70	2.44	9.53		9.69	0.000863	3.21	607.23	127.56	0.26
Hempstead Lake	288.528*	Max WS	1950.70	2.83	9.48		9.67	0.001114	3.47	562.65	120.89	0.28
Hempstead Lake	268.077*	Max WS	1950.70	3.21	9.42		9.64	0.001445	3.74	521.75	115.13	0.31
Hempstead Lake	247.626*	Max WS	1950.70	3.60	9.35		9.61	0.001873	4.06	481.06	110.03	0.34
Hempstead Lake	227.175*	Max WS	1950.70	3.98	9.26		9.56	0.002337	4.42	441.55	105.54	0.38
Hempstead Lake	206.724	Max WS	1950.70	4.37	9.16		9.52	0.001572	4.86	401.64	101.70	0.43
Hempstead Lake	201.724	Max WS	1950.70	4.37	9.31	6.56	9.52	0.000717	3.63	537.69	113.01	0.29
Hempstead Lake	186.74		Int Struct									
Hempstead Lake	171.724	Max WS	1950.70	1.00	4.47		4.82	0.001908	4.84	410.31	123.71	0.46
Hempstead Lake	166.724	Max WS	1950.70	1.00	4.46	3.07	4.81	0.001920	4.85	409.53	123.69	0.46


Hempstead Lake 8-24-15 Plan: Plan 27 8/26/2015
25 year storm - existing
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 27 8/26/2015

25 year storm - existing



Existing 100 Year 8/26/15

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	1376.88	26.48	33.03		33.06	0.000115	1.35	1023.51	497.21	0.12
Hempstead Lake	15523.7*	Max WS	1372.98	26.43	33.03		33.06	0.000605	1.30	1055.59	502.42	0.11
Hempstead Lake	15503.5*	Max WS	1365.23	26.38	33.02		33.05	0.000527	1.26	1082.54	507.58	0.11
Hempstead Lake	15483.3*	Max WS	1357.52	26.34	33.02		33.04	0.000451	1.23	1106.17	512.93	0.11
Hempstead Lake	15463.0*	Max WS	1353.68	26.29	33.01		33.03	0.000390	1.20	1126.47	518.69	0.10
Hempstead Lake	15442.8*	Max WS	1349.84	26.24	33.01		33.03	0.000351	1.18	1144.21	525.01	0.10
Hempstead Lake	15422.5*	Max WS	1342.24	26.19	33.00		33.02	0.000306	1.16	1158.63	532.68	0.10
Hempstead Lake	15402.3*	Max WS	1338.45	26.15	33.00		33.02	0.000270	1.15	1168.80	539.87	0.10
Hempstead Lake	15382.1*	Max WS	1334.67	26.10	32.99		33.01	0.000247	1.14	1176.32	543.21	0.10
Hempstead Lake	15361.8*	Max WS	1330.91	26.05	32.99		33.01	0.000220	1.13	1179.90	546.58	0.10
Hempstead Lake	15341.6*	Max WS	1330.90	26.00	32.99		33.01	0.000206	1.13	1180.33	549.97	0.10
Hempstead Lake	15321.4*	Max WS	1327.15	25.96	32.99		33.00	0.000126	0.93	1627.90	553.44	0.08
Hempstead Lake	15301.1*	Max WS	1323.42	25.91	32.98		33.00	0.000114	0.93	1611.88	556.93	0.08
Hempstead Lake	15280.9*	Max WS	1319.70	25.86	32.98		32.99	0.000108	0.94	1592.76	560.49	0.08
Hempstead Lake	15260.7*	Max WS	1287.02	25.81	32.98		32.99	0.000094	0.93	1569.52	564.09	0.08
Hempstead Lake	15240.4*	Max WS	1286.99	25.77	32.98		32.99	0.000085	0.95	1542.46	567.74	0.09
Hempstead Lake	15220.2*	Max WS	1286.96	25.72	32.97		32.99	0.000082	0.96	1511.30	571.41	0.09
Hempstead Lake	15200.02	Max WS	1284.65	25.67	32.97		32.99	0.000074	0.98	1477.53	575.07	0.09
Hempstead Lake	15180.7*	Max WS	1286.92	25.24	32.98		32.99	0.000061	0.86	1687.63	592.72	0.08
Hempstead Lake	15161.4*	Max WS	1312.23	24.82	32.98		32.98	0.000052	0.77	1912.92	610.59	0.06
Hempstead Lake	15142.1*	Max WS	1315.83	24.39	32.98		32.98	0.000044	0.68	2155.17	628.71	0.05
Hempstead Lake	15122.8*	Max WS	1312.22	23.96	32.98		32.98	0.000036	0.60	2411.74	647.18	0.05
Hempstead Lake	15103.5*	Max WS	1312.21	23.53	32.98		32.98	0.000030	0.53	2684.39	666.15	0.04
Hempstead Lake	15084.2*	Max WS	1312.21	23.11	32.98		32.98	0.000029	0.50	2651.02	685.97	0.03
Hempstead Lake	15064.9*	Max WS	1315.76	22.68	32.98		32.98	0.000024	0.44	2965.82	706.99	0.03
Hempstead Lake	15045.6*	Max WS	1315.75	22.25	32.98		32.98	0.000021	0.40	3296.05	718.55	0.03
Hempstead Lake	15026.4*	Max WS	1315.73	21.82	32.98		32.98	0.000018	0.36	3642.55	731.96	0.02
Hempstead Lake	15007.1*	Max WS	1315.71	21.40	32.98		32.98	0.000015	0.33	4003.34	752.09	0.02
Hempstead Lake	14987.82	Max WS	1315.69	20.97	32.98		32.98	0.000002	0.30	4380.60	775.21	0.02
Hempstead Lake	14966.6*	Max WS	1327.72	20.84	32.98		32.98	0.000012	0.29	4641.31	762.74	0.02
Hempstead Lake	14945.4*	Max WS	1327.70	20.72	32.98		32.98	0.000010	0.27	4909.13	732.28	0.02
Hempstead Lake	14924.3*	Max WS	1324.26	20.59	32.98		32.98	0.000009	0.26	5187.86	723.18	0.02
Hempstead Lake	14903.1*	Max WS	1327.66	20.46	32.98		32.98	0.000008	0.24	5477.76	724.45	0.01
Hempstead Lake	14882.*	Max WS	1324.26	20.34	32.98		32.98	0.000007	0.23	5779.71	722.06	0.01
Hempstead Lake	14860.8*	Max WS	1324.26	20.21	32.98		32.98	0.000006	0.22	6092.89	711.95	0.01
Hempstead Lake	14839.6*	Max WS	1327.59	20.08	32.98		32.98	0.000005	0.21	6415.51	678.54	0.01
Hempstead Lake	14818.5*	Max WS	1327.57	19.96	32.98		32.98	0.000005	0.20	6749.30	680.59	0.01
Hempstead Lake	14797.35	Max WS	1327.55	19.83	32.98		32.98	0.000001	0.19	7092.54	699.23	0.01
Hempstead Lake	14777.4*	Max WS	1324.25	19.81	32.98		32.98	0.000004	0.18	7265.23	713.30	0.01
Hempstead Lake	14757.4*	Max WS	1324.24	19.80	32.98		32.98	0.000003	0.18	7439.64	727.44	0.01
Hempstead Lake	14737.5*	Max WS	1327.48	19.78	32.98		32.98	0.000003	0.17	7614.83	741.63	0.01
Hempstead Lake	14717.5*	Max WS	1324.24	19.76	32.98		32.98	0.000003	0.17	7792.45	755.79	0.01
Hempstead Lake	14697.6*	Max WS	1324.23	19.74	32.98		32.98	0.000002	0.17	7971.50	770.05	0.01
Hempstead Lake	14677.6*	Max WS	1327.40	19.73	32.98		32.98	0.000002	0.16	8152.19	784.42	0.01
Hempstead Lake	14657.7*	Max WS	1324.22	19.71	32.98		32.98	0.000002	0.16	8334.40	798.85	0.01
Hempstead Lake	14637.7*	Max WS	1324.22	19.69	32.98		32.98	0.000002	0.16	8518.54	813.30	0.01
Hempstead Lake	14617.8*	Max WS	1324.21	19.67	32.98		32.98	0.000001	0.15	8704.09	827.84	0.01
Hempstead Lake	14597.8*	Max WS	1324.20	19.65	32.98		32.98	0.000001	0.15	8891.93	842.53	0.01
Hempstead Lake	14577.9*	Max WS	1327.26	19.64	32.98		32.98	0.000001	0.15	9079.76	857.28	0.01
Hempstead Lake	14557.9*	Max WS	1324.19	19.62	32.98		32.98	0.000001	0.14	9271.77	872.80	0.01
Hempstead Lake	14538.0*	Max WS	1324.18	19.60	32.98		32.98	0.000001	0.14	9464.27	889.50	0.01
Hempstead Lake	14518.0*	Max WS	1324.18	19.58	32.98		32.98	0.000001	0.14	9661.40	906.15	0.01
Hempstead Lake	14498.1*	Max WS	1324.17	19.57	32.98		32.98	0.000001	0.13	9858.18	922.61	0.01
Hempstead Lake	14478.1*	Max WS	1324.16	19.55	32.98		32.98	0.000000	0.13	10059.55	938.88	0.01
Hempstead Lake	14458.2*	Max WS	1324.16	19.53	32.98		32.98	0.000000	0.13	10262.44	955.08	0.01
Hempstead Lake	14438.2*	Max WS	1324.14	19.51	32.98		32.98	0.000000	0.13	10467.71	971.11	0.01
Hempstead Lake	14418.3*	Max WS	1324.13	19.50	32.98		32.98	0.000000	0.12	10673.21	986.94	0.01
Hempstead Lake	14398.37	Max WS	1324.13	19.48	32.98		32.98	0.000000	0.12	10883.26	1002.72	0.01
Hempstead Lake	14378.3*	Max WS	1324.12	19.48	32.98		32.98	0.000000	0.12	10674.97	988.62	0.01
Hempstead Lake	14358.3*	Max WS	1324.11	19.49	32.98		32.98	0.000000	0.13	10467.05	974.47	0.01
Hempstead Lake	14338.2*	Max WS	1324.10	19.49	32.98		32.98	0.000000	0.13	10265.51	960.44	0.01
Hempstead Lake	14318.2*	Max WS	1324.09	19.49	32.98		32.98	0.000000	0.13	10064.70	946.46	0.01
Hempstead Lake	14298.2*	Max WS	1326.79	19.49	32.98		32.98	0.000000	0.14	9866.35	932.50	0.01
Hempstead Lake	14278.1*	Max WS	1324.07	19.50	32.98		32.98	0.000000	0.14	9670.78	918.35	0.01
Hempstead Lake	14258.1*	Max WS	1324.06	19.50	32.98		32.98	0.000000	0.14	9478.06	904.06	0.01
Hempstead Lake	14238.1*	Max WS	1324.05	19.50	32.98		32.98	0.000000	0.14	9287.71	899.99	0.01
Hempstead Lake	14218.0*	Max WS	1324.04	19.50	32.98		32.98	0.000000	0.15	9098.71	904.30	0.01
Hempstead Lake	14198.0*	Max WS	1324.03	19.51	32.98		32.98	0.000000	0.15	8912.84	906.87	0.01
Hempstead Lake	14178.0*	Max WS	1324.01	19.51	32.98		32.98	0.000000	0.15	8729.26	907.32	0.01
Hempstead Lake	14157.9*	Max WS	1324.00	19.51	32.98		32.98	0.000000	0.16	8548.21	907.46	0.01
Hempstead Lake	14137.9*	Max WS	1323.99	19.51	32.98		32.98	0.000000	0.16	8370.17	908.28	0.01
Hempstead Lake	14117.9*	Max WS	1323.98	19.52	32.98		32.98	0.000000	0.16	8196.09	906.48	0.01
Hempstead Lake	14097.8*	Max WS	1323.96	19.52	32.98		32.98	0.000000	0.17	8026.27	900.15	0.01
Hempstead Lake	14077.8*	Max WS	1323.95	19.52	32.98		32.98	0.000000	0.17	7859.94	894.22	0.01
Hempstead Lake	14057.8*	Max WS	1323.94	19.52	32.98		32.98	0.000001	0.17	7696.69	885.67	0.01
Hempstead Lake	14037.7*	Max WS	1323.93	19.53	32.98		32.98	0.000001	0.18	7536.86	875.09	0.01
Hempstead Lake	14017.75	Max WS	1323.91	19.53	32.98		32.98	0.000001	0.18	7376.07	862.74	0.01
Hempstead Lake	13998.2*	Max WS	1323.90	19.61	32.98		32.98	0.000001	0.18	7256.08	874.65	0.01
Hempstead Lake	13978.6*	Max WS	1323.88	19.69	32.98		32.98	0.000001	0.19	7036.34	886.42	0.01
Hempstead Lake	13959.1*	Max WS	1323.87	19.77	32.98		32.98	0.000001	0.20	6740.41	898.18	0.01
Hempstead Lake	13939.6*	Max WS	1323.85	19.85	32.98		32.98	0.000002	0.21	6380.07	909.61	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	1323.83	19.94	32.98		32.98	0.000002	0.22	5964.66	921.20	0.01
Hempstead Lake	13900.5*	Max WS	1323.81	20.02	32.98		32.98	0.000003	0.24	5503.34	932.31	0.01
Hempstead Lake	13881.*	Max WS	1323.79	20.10	32.98		32.98	0.000004	0.26	5057.62	943.38	0.02
Hempstead Lake	13861.4*	Max WS	1323.77	20.18	32.98		32.98	0.000005	0.29	4657.64	953.61	0.02
Hempstead Lake	13841.9*	Max WS	1321.57	20.26	32.98		32.98	0.000007	0.31	4320.00	960.42	0.02
Hempstead Lake	13822.3*	Max WS	1321.57	20.34	32.98		32.98	0.000009	0.33	4017.66	965.96	0.02
Hempstead Lake	13802.8*	Max WS	1321.56	20.42	32.98		32.98	0.000011	0.35	3747.23	968.65	0.02
Hempstead Lake	13783.3*	Max WS	1321.56	20.50	32.98		32.98	0.000014	0.38	3506.88	975.13	0.02
Hempstead Lake	13763.7*	Max WS	1321.55	20.59	32.98		32.98	0.000017	0.40	3290.65	986.43	0.03
Hempstead Lake	13744.2*	Max WS	1321.54	20.67	32.97		32.98	0.000021	0.43	3095.01	888.87	0.03
Hempstead Lake	13724.7*	Max WS	1321.52	20.75	32.97		32.98	0.000026	0.45	2922.49	849.23	0.03
Hempstead Lake	13705.1*	Max WS	1321.50	20.83	32.97		32.98	0.000033	0.48	2781.07	790.50	0.03
Hempstead Lake	13685.63	Max WS	1321.48	20.91	32.97		32.98	0.000007	0.50	2658.85	782.88	0.03
Hempstead Lake	13666.4*	Max WS	1321.47	21.26	32.97		32.98	0.000003	0.23	5756.59	801.67	0.01
Hempstead Lake	13647.1*	Max WS	1321.45	21.62	32.97		32.98	0.000003	0.23	5669.74	854.18	0.02
Hempstead Lake	13627.9*	Max WS	1321.44	21.97	32.97		32.98	0.000003	0.24	5598.64	901.21	0.02
Hempstead Lake	13608.7*	Max WS	1321.42	22.33	32.97		32.98	0.000003	0.24	5609.47	1067.97	0.02
Hempstead Lake	13589.5*	Max WS	1321.40	22.68	32.97		32.98	0.000003	0.24	5662.16	1076.10	0.02
Hempstead Lake	13570.2*	Max WS	1321.38	23.03	32.97		32.98	0.000003	0.24	5694.68	1074.11	0.02
Hempstead Lake	13551.0*	Max WS	1321.36	23.29	32.97		32.98	0.000003	0.24	5707.26	1067.64	0.02
Hempstead Lake	13531.8*	Max WS	1321.34	23.28	32.97		32.98	0.000003	0.24	5700.87	1056.01	0.02
Hempstead Lake	13512.6*	Max WS	1321.31	23.26	32.97		32.98	0.000002	0.24	5673.68	1038.70	0.02
Hempstead Lake	13493.3*	Max WS	1321.29	23.25	32.97		32.98	0.000002	0.25	5630.92	1011.67	0.02
Hempstead Lake	13474.1*	Max WS	1321.27	23.23	32.97		32.98	0.000002	0.25	5578.08	958.73	0.02
Hempstead Lake	13454.9*	Max WS	1321.24	23.22	32.97		32.98	0.000002	0.25	5538.98	882.17	0.02
Hempstead Lake	13435.72	Max WS	1321.22	23.01	32.97		32.98	0.000001	0.24	5510.54	829.06	0.02
Hempstead Lake	13419.3*	Max WS	1321.21	23.00	32.97		32.98	0.000002	0.26	5357.19	819.37	0.02
Hempstead Lake	13403.0*	Max WS	1321.19	23.00	32.97		32.98	0.000002	0.26	5262.21	943.10	0.02
Hempstead Lake	13386.6*	Max WS	1321.17	22.99	32.97		32.98	0.000002	0.26	5305.48	950.18	0.02
Hempstead Lake	13370.3*	Max WS	1321.15	22.98	32.97		32.98	0.000002	0.25	5378.47	932.96	0.02
Hempstead Lake	13354.*	Max WS	1321.12	22.98	32.97		32.98	0.000002	0.25	5475.86	922.06	0.02
Hempstead Lake	13337.6*	Max WS	1321.10	22.97	32.97		32.98	0.000002	0.24	5595.44	916.44	0.02
Hempstead Lake	13321.3*	Max WS	1321.09	22.96	32.97		32.98	0.000002	0.23	5732.74	916.81	0.02
Hempstead Lake	13304.9*	Max WS	1321.07	22.95	32.97		32.98	0.000002	0.23	5887.42	915.82	0.02
Hempstead Lake	13288.6*	Max WS	1321.05	22.95	32.97		32.98	0.000002	0.22	6060.63	911.87	0.01
Hempstead Lake	13272.29	Max WS	1321.03	22.94	32.97		32.97	0.000001	0.21	6252.78	907.60	0.01
Hempstead Lake	13255.0*	Max WS	1321.00	22.90	32.97		32.97	0.000001	0.21	6436.03	924.78	0.01
Hempstead Lake	13237.8*	Max WS	1320.98	22.87	32.97		32.97	0.000001	0.20	6620.70	940.81	0.01
Hempstead Lake	13220.5*	Max WS	1320.95	22.83	32.97		32.97	0.000001	0.19	6809.28	972.95	0.01
Hempstead Lake	13203.3*	Max WS	1319.65	22.80	32.97		32.97	0.000001	0.19	7009.79	1011.29	0.01
Hempstead Lake	13186.0*	Max WS	1320.91	22.76	32.97		32.97	0.000001	0.18	7231.31	1108.46	0.01
Hempstead Lake	13168.8*	Max WS	1320.88	22.72	32.97		32.97	0.000001	0.18	7516.78	1173.32	0.01
Hempstead Lake	13151.6*	Max WS	1320.85	22.69	32.97		32.97	0.000001	0.17	7789.13	1170.73	0.01
Hempstead Lake	13134.3*	Max WS	1320.82	22.65	32.97		32.97	0.000001	0.17	8044.54	1169.65	0.01
Hempstead Lake	13117.1*	Max WS	1319.67	22.62	32.97		32.97	0.000001	0.16	8281.89	1168.46	0.01
Hempstead Lake	13099.8*	Max WS	1320.76	22.58	32.97		32.97	0.000001	0.16	8500.87	1167.36	0.01
Hempstead Lake	13082.6*	Max WS	1320.73	22.55	32.97		32.97	0.000001	0.15	8700.62	1166.28	0.01
Hempstead Lake	13065.3*	Max WS	1320.70	22.51	32.97		32.97	0.000001	0.15	8883.52	1165.25	0.01
Hempstead Lake	13048.1*	Max WS	1320.67	22.47	32.97		32.97	0.000001	0.15	9048.79	1164.24	0.01
Hempstead Lake	13030.9*	Max WS	1320.64	22.44	32.97		32.97	0.000001	0.14	9195.07	1163.22	0.01
Hempstead Lake	13013.6*	Max WS	1320.61	22.40	32.97		32.97	0.000001	0.14	9322.61	1162.17	0.01
Hempstead Lake	12996.4*	Max WS	1319.69	22.37	32.97		32.97	0.000001	0.14	9433.58	1161.26	0.01
Hempstead Lake	12979.1*	Max WS	1320.55	22.33	32.97		32.97	0.000001	0.14	9524.77	1160.21	0.01
Hempstead Lake	12961.9*	Max WS	1320.52	22.29	32.97		32.97	0.000001	0.14	9599.30	1159.25	0.01
Hempstead Lake	12944.7*	Max WS	1320.49	22.26	32.97		32.97	0.000001	0.14	9654.62	1158.31	0.01
Hempstead Lake	12927.4*	Max WS	1320.45	22.22	32.97		32.97	0.000001	0.14	9693.28	1157.36	0.01
Hempstead Lake	12910.2*	Max WS	1320.42	22.19	32.97		32.97	0.000001	0.14	9712.57	1156.46	0.01
Hempstead Lake	12892.97	Max WS	1320.39	22.15	32.97		32.97	0.000000	0.14	9714.36	1155.51	0.01
Hempstead Lake	12881.0*	Max WS	1536.60	22.12	32.97		32.97	0.000001	0.16	9726.18	1155.00	0.01
Hempstead Lake	12869.1*	Max WS	1537.81	22.09	32.97		32.97	0.000001	0.16	9739.35	1154.43	0.01
Hempstead Lake	12857.1*	Max WS	1537.79	22.06	32.97		32.97	0.000001	0.16	9752.40	1153.93	0.01
Hempstead Lake	12845.2*	Max WS	1537.77	22.03	32.97		32.97	0.000001	0.16	9765.70	1153.36	0.01
Hempstead Lake	12833.3*	Max WS	1536.60	22.00	32.97		32.97	0.000001	0.16	9779.02	1152.79	0.01
Hempstead Lake	12821.4*	Max WS	1537.72	21.97	32.97		32.97	0.000001	0.16	9794.42	1153.72	0.01
Hempstead Lake	12809.4*	Max WS	1536.60	21.94	32.97		32.97	0.000001	0.16	9810.64	1155.33	0.01
Hempstead Lake	12797.5*	Max WS	1537.68	21.92	32.97		32.97	0.000001	0.16	9826.37	1156.42	0.01
Hempstead Lake	12785.6*	Max WS	1537.65	21.89	32.97		32.97	0.000001	0.16	9844.80	1156.99	0.01
Hempstead Lake	12773.7*	Max WS	1537.63	21.86	32.97		32.97	0.000001	0.16	9862.69	1157.06	0.01
Hempstead Lake	12761.7*	Max WS	1537.60	21.83	32.97		32.97	0.000001	0.16	9880.89	1156.97	0.01
Hempstead Lake	12749.8*	Max WS	1537.58	21.80	32.97		32.97	0.000001	0.16	9900.58	1156.59	0.01
Hempstead Lake	12737.9*	Max WS	1536.61	21.77	32.97		32.97	0.000001	0.16	9920.21	1156.21	0.01
Hempstead Lake	12726.0*	Max WS	1537.53	21.74	32.97		32.97	0.000001	0.16	9940.23	1155.55	0.01
Hempstead Lake	12714.0*	Max WS	1537.51	21.71	32.97		32.97	0.000001	0.16	9959.53	1154.79	0.01
Hempstead Lake	12702.1*	Max WS	1537.48	21.68	32.97		32.97	0.000001	0.16	9981.65	1154.00	0.01
Hempstead Lake	12690.2*	Max WS	1537.46	21.65	32.97		32.97	0.000001	0.16	10003.86	1153.13	0.01
Hempstead Lake	12678.3*	Max WS	1537.43	21.62	32.97		32.97	0.000001	0.16	10025.25	1152.25	0.01
Hempstead Lake	12666.3*	Max WS	1537.41	21.59	32.97		32.97	0.000001	0.16	10047.91	1151.22	0.01
Hempstead Lake	12654.4*	Max WS	1537.38	21.56	32.97		32.97	0.000001	0.16	10070.69	1150.17	0.01
Hempstead Lake	12642.5*	Max WS	1537.36	21.53	32.97		32.97	0.000001	0.16	10094.32	1149.19	0.01
Hempstead Lake	12630.6*	Max WS	1537.34	21.50	32.97		32.97	0.000000	0.16	10118.33	1148.05	0.01
Hempstead Lake	12618.6*	Max WS	1537.31	21.47	32.97		32.97	0.000000	0.15	10143.04	1146.97	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	1536.61	21.45	32.97		32.97	0.000000	0.15	10167.59	1145.77	0.01
Hempstead Lake	12594.8*	Max WS	1537.27	21.42	32.97		32.97	0.000000	0.15	10193.70	1144.71	0.01
Hempstead Lake	12582.9*	Max WS	1537.24	21.39	32.97		32.97	0.000000	0.15	10219.73	1143.47	0.01
Hempstead Lake	12570.9*	Max WS	1536.61	21.36	32.97		32.97	0.000000	0.15	10245.94	1142.22	0.01
Hempstead Lake	12559.0*	Max WS	1537.20	21.33	32.97		32.97	0.000000	0.15	10272.00	1141.04	0.01
Hempstead Lake	12547.1*	Max WS	1537.17	21.30	32.97		32.97	0.000000	0.15	10299.91	1139.82	0.01
Hempstead Lake	12535.2*	Max WS	1537.15	21.27	32.97		32.97	0.000000	0.15	10328.45	1138.58	0.01
Hempstead Lake	12523.27	Max WS	1537.12	21.24	32.97		32.97	0.000000	0.15	10356.13	1137.31	0.01
Hempstead Lake	12515.8*	Max WS	1602.67	21.24	32.97		32.97	0.000001	0.16	10293.83	1126.58	0.01
Hempstead Lake	12508.3*	Max WS	1602.65	21.24	32.97		32.97	0.000001	0.16	10233.66	1115.65	0.01
Hempstead Lake	12500.9*	Max WS	1602.64	21.23	32.97		32.97	0.000001	0.16	10175.47	1104.80	0.01
Hempstead Lake	12493.4*	Max WS	1602.02	21.23	32.97		32.97	0.000001	0.16	10119.12	1095.82	0.01
Hempstead Lake	12486.0*	Max WS	1602.61	21.23	32.97		32.97	0.000001	0.16	10066.70	1087.08	0.01
Hempstead Lake	12478.5*	Max WS	1602.01	21.23	32.97		32.97	0.000001	0.16	10016.09	1077.92	0.01
Hempstead Lake	12471.1*	Max WS	1602.58	21.23	32.97		32.97	0.000001	0.16	9968.47	1068.56	0.01
Hempstead Lake	12463.7*	Max WS	1602.57	21.23	32.97		32.97	0.000001	0.16	9923.79	1056.48	0.01
Hempstead Lake	12456.2*	Max WS	1602.01	21.22	32.97		32.97	0.000001	0.16	9884.90	1036.99	0.01
Hempstead Lake	12448.8*	Max WS	1602.54	21.22	32.97		32.97	0.000001	0.16	9852.08	1019.21	0.01
Hempstead Lake	12441.3*	Max WS	1602.53	21.22	32.97		32.97	0.000001	0.16	9821.98	1009.59	0.01
Hempstead Lake	12433.9*	Max WS	1602.51	21.22	32.97		32.97	0.000002	0.16	9794.05	1001.53	0.01
Hempstead Lake	12426.4*	Max WS	1602.50	21.22	32.97		32.97	0.000002	0.16	9768.19	993.98	0.01
Hempstead Lake	12419.0*	Max WS	1602.01	21.21	32.97		32.97	0.000002	0.16	9741.20	986.79	0.01
Hempstead Lake	12411.5*	Max WS	1602.48	21.21	32.97		32.97	0.000002	0.17	9715.28	979.65	0.01
Hempstead Lake	12404.1*	Max WS	1602.01	21.21	32.97		32.97	0.000002	0.17	9689.04	972.59	0.01
Hempstead Lake	12396.6*	Max WS	1602.45	21.21	32.97		32.97	0.000002	0.17	9663.19	965.64	0.01
Hempstead Lake	12389.2*	Max WS	1602.44	21.21	32.97		32.97	0.000002	0.17	9637.73	958.64	0.01
Hempstead Lake	12381.8*	Max WS	1602.01	21.21	32.97		32.97	0.000003	0.17	9611.46	951.63	0.01
Hempstead Lake	12374.3*	Max WS	1602.01	21.20	32.97		32.97	0.000003	0.17	9584.84	944.70	0.01
Hempstead Lake	12366.9*	Max WS	1602.40	21.20	32.97		32.97	0.000003	0.17	9558.79	937.62	0.01
Hempstead Lake	12359.46	Max WS	1602.00	21.20	32.97		32.97	0.000001	0.17	9531.61	930.52	0.01
Hempstead Lake	12350.7*	Max WS	1645.28	21.19	32.97		32.97	0.000003	0.18	9321.96	919.55	0.01
Hempstead Lake	12342.0*	Max WS	1644.80	21.17	32.97		32.97	0.000004	0.18	9115.81	908.61	0.01
Hempstead Lake	12333.3*	Max WS	1645.25	21.16	32.97		32.97	0.000004	0.19	8909.87	897.55	0.01
Hempstead Lake	12324.7*	Max WS	1645.23	21.14	32.97		32.97	0.000004	0.19	8707.28	886.66	0.01
Hempstead Lake	12316.0*	Max WS	1645.22	21.13	32.97		32.97	0.000004	0.19	8508.01	875.79	0.01
Hempstead Lake	12307.3*	Max WS	1645.21	21.11	32.97		32.97	0.000004	0.20	8311.13	864.93	0.01
Hempstead Lake	12298.6*	Max WS	1645.19	21.10	32.97		32.97	0.000004	0.20	8116.06	853.49	0.01
Hempstead Lake	12289.9*	Max WS	1644.80	21.09	32.97		32.97	0.000004	0.21	7923.74	842.15	0.01
Hempstead Lake	12281.2*	Max WS	1644.80	21.07	32.97		32.97	0.000005	0.21	7734.94	830.85	0.01
Hempstead Lake	12272.5*	Max WS	1644.80	21.06	32.97		32.97	0.000005	0.22	7547.35	819.55	0.01
Hempstead Lake	12263.8*	Max WS	1645.14	21.04	32.97		32.97	0.000005	0.22	7362.47	808.26	0.01
Hempstead Lake	12255.1*	Max WS	1645.13	21.03	32.97		32.97	0.000005	0.23	7180.17	798.83	0.01
Hempstead Lake	12246.4*	Max WS	1644.80	21.01	32.97		32.97	0.000006	0.24	7001.82	790.25	0.01
Hempstead Lake	12237.7*	Max WS	1644.80	21.00	32.97		32.97	0.000006	0.24	6825.68	781.53	0.01
Hempstead Lake	12229.1*	Max WS	1644.79	20.99	32.97		32.97	0.000006	0.25	6652.58	774.55	0.01
Hempstead Lake	12220.4*	Max WS	1645.07	20.97	32.97		32.97	0.000006	0.26	6482.08	767.23	0.01
Hempstead Lake	12211.7*	Max WS	1644.79	20.96	32.97		32.97	0.000007	0.26	6315.48	759.12	0.02
Hempstead Lake	12203.0*	Max WS	1644.79	20.94	32.97		32.97	0.000007	0.27	6151.51	750.51	0.02
Hempstead Lake	12194.3*	Max WS	1644.79	20.93	32.97		32.97	0.000008	0.28	5990.43	738.01	0.02
Hempstead Lake	12185.6*	Max WS	1644.79	20.91	32.97		32.97	0.000008	0.29	5831.37	724.45	0.02
Hempstead Lake	12176.9*	Max WS	1645.01	20.90	32.97		32.97	0.000008	0.29	5674.05	710.90	0.02
Hempstead Lake	12168.2*	Max WS	1645.00	20.89	32.97		32.97	0.000009	0.30	5518.90	697.34	0.02
Hempstead Lake	12159.5*	Max WS	1644.79	20.87	32.97		32.97	0.000009	0.31	5365.74	683.77	0.02
Hempstead Lake	12150.8*	Max WS	1644.79	20.86	32.97		32.97	0.000010	0.32	5214.26	670.23	0.02
Hempstead Lake	12142.1*	Max WS	1644.79	20.84	32.97		32.97	0.000008	0.33	5065.00	656.66	0.02
Hempstead Lake	12133.5*	Max WS	1644.96	20.83	32.97		32.97	0.000009	0.34	4917.95	643.11	0.02
Hempstead Lake	12124.8*	Max WS	1644.94	20.81	32.97		32.97	0.000009	0.35	4773.03	629.54	0.02
Hempstead Lake	12116.1*	Max WS	1644.93	20.80	32.97		32.97	0.000009	0.36	4629.57	615.99	0.02
Hempstead Lake	12107.4*	Max WS	1644.78	20.79	32.97		32.97	0.000010	0.38	4487.69	602.41	0.02
Hempstead Lake	12098.7*	Max WS	1644.91	20.77	32.97		32.97	0.000010	0.39	4349.02	588.84	0.02
Hempstead Lake	12090.0*	Max WS	1644.91	20.76	32.97		32.97	0.000011	0.40	4211.92	575.27	0.03
Hempstead Lake	12081.3*	Max WS	1644.90	20.74	32.97		32.97	0.000011	0.41	4076.85	561.66	0.03
Hempstead Lake	12072.6*	Max WS	1644.78	20.73	32.97		32.97	0.000012	0.43	3943.24	548.10	0.03
Hempstead Lake	12063.9*	Max WS	1644.88	20.71	32.97		32.97	0.000012	0.44	3811.87	534.50	0.03
Hempstead Lake	12055.2*	Max WS	1644.78	20.70	32.97		32.97	0.000012	0.46	3683.23	520.90	0.03
Hempstead Lake	12046.5*	Max WS	1644.86	20.69	32.97		32.97	0.000013	0.48	3555.51	507.31	0.03
Hempstead Lake	12037.9*	Max WS	1644.78	20.67	32.97		32.97	0.000013	0.50	3431.08	493.69	0.03
Hempstead Lake	12029.2*	Max WS	1644.78	20.66	32.97		32.97	0.000014	0.51	3307.36	480.08	0.03
Hempstead Lake	12020.5*	Max WS	1644.78	20.64	32.97		32.97	0.000014	0.53	3186.12	466.43	0.04
Hempstead Lake	12011.8*	Max WS	1644.78	20.63	32.97		32.97	0.000015	0.56	3067.25	452.75	0.04
Hempstead Lake	12003.1*	Max WS	1644.82	20.61	32.97		32.97	0.000016	0.58	2949.61	439.07	0.04
Hempstead Lake	11994.45	Max WS	1661.47	20.60	32.96		32.97	0.000069	0.91	1822.39	425.27	0.06
Hempstead Lake	11989.45	Max WS	1661.47	19.90	32.85		33.02	0.000289	3.30	504.17	422.37	0.19
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	1661.34	19.90	32.43		32.77	0.000503	4.70	353.33	412.28	0.26
Hempstead Lake	11964.45	Max WS	1661.34	20.15	32.45		32.47	0.000092	0.82	2070.45	413.69	0.06
Hempstead Lake	11954.6*	Max WS	1661.34	20.12	32.44		32.45	0.000040	0.87	1979.03	415.52	0.07
Hempstead Lake	11944.8*	Max WS	1661.33	20.08	32.43		32.44	0.000047	0.90	1890.74	417.38	0.07
Hempstead Lake	11934.9*	Max WS	1661.33	20.05	32.42		32.43	0.000056	0.95	1802.27	419.32	0.08
Hempstead Lake	11925.1*	Max WS	1661.33	20.01	32.41		32.42	0.000067	0.99	1715.37	421.18	0.08
Hempstead Lake	11915.3*	Max WS	1661.32	19.98	32.39		32.41	0.000149	1.04	1628.17	423.06	0.09

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	1661.32	19.94	32.38		32.40	0.000175	1.10	1541.79	424.93	0.10
Hempstead Lake	11895.6*	Max WS	1661.32	19.91	32.37		32.39	0.000207	1.16	1455.08	426.81	0.10
Hempstead Lake	11885.8*	Max WS	1661.32	19.87	32.35		32.38	0.000246	1.22	1369.42	428.68	0.11
Hempstead Lake	11876.0*	Max WS	1661.31	19.84	32.34		32.52	0.000490	3.38	492.14	381.48	0.22
Hempstead Lake	11866.2*	Max WS	1661.31	19.80	32.32		32.51	0.000525	3.46	480.05	342.74	0.22
Hempstead Lake	11856.4*	Max WS	1661.31	19.77	32.31		32.50	0.000555	3.54	469.41	323.61	0.23
Hempstead Lake	11846.5*	Max WS	1661.31	19.73	32.27		32.48	0.000590	3.61	459.87	319.68	0.23
Hempstead Lake	11836.7*	Max WS	1661.31	19.70	32.26		32.47	0.000594	3.66	453.57	315.89	0.23
Hempstead Lake	11826.9*	Max WS	1661.31	19.66	32.26		32.47	0.000377	3.69	450.48	311.51	0.23
Hempstead Lake	11817.1*	Max WS	1661.30	19.63	32.26		32.47	0.000363	3.69	449.97	305.57	0.23
Hempstead Lake	11807.2*	Max WS	1661.31	19.59	32.26		32.46	0.000351	3.66	453.64	296.12	0.22
Hempstead Lake	11797.46	Max WS	1661.30	19.56	32.26		32.46	0.000368	3.62	458.58	285.59	0.21
Hempstead Lake	11792.46	Max WS	1661.30	19.56	32.32		32.46	0.000240	3.03	547.84	279.12	0.18
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	1661.30	19.54	30.53		30.79	0.000519	4.12	402.96	47.12	0.25
Hempstead Lake	11627.46	Max WS	1661.30	19.54	30.54		30.79	0.000510	4.02	413.60	52.83	0.25
Hempstead Lake	11623.2*	Max WS	1661.30	19.43	30.52		30.79	0.000690	4.17	398.23	54.91	0.27
Hempstead Lake	11619.1*	Max WS	1661.30	19.31	30.49		30.79	0.000622	4.35	381.62	64.02	0.26
Hempstead Lake	11614.94	Max WS	1661.30	19.20	30.42		30.78	0.000456	4.84	343.26	69.66	0.26
Hempstead Lake	11612.94	Max WS	1661.30	19.20	30.42		30.78	0.000456	4.84	343.23	72.46	0.26
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	65.84	19.20	29.30		29.30	0.000001	0.21	306.30	67.72	0.01
Hempstead Lake	11598.94	Max WS	66.88	19.20	29.30		29.30	0.000001	0.16	411.19	66.83	0.01
Hempstead Lake	11573.9*	Max WS	68.24	19.18	29.30		29.30	0.000000	0.10	654.73	90.74	0.01
Hempstead Lake	11548.9*	Max WS	68.81	19.15	29.30		29.30	0.000000	0.08	898.48	114.62	0.00
Hempstead Lake	11523.9*	Max WS	68.52	19.12	29.30		29.30	0.000000	0.06	1142.83	138.59	0.00
Hempstead Lake	11498.9*	Max WS	69.10	19.10	29.30		29.30	0.000000	0.05	1391.26	179.99	0.00
Hempstead Lake	11473.9*	Max WS	68.81	19.08	29.30		29.30	0.000000	0.04	1651.60	225.94	0.00
Hempstead Lake	11448.9*	Max WS	69.09	19.05	29.30		29.30	0.000000	0.04	1924.23	271.65	0.00
Hempstead Lake	11423.9*	Max WS	69.38	19.02	29.30		29.30	0.000000	0.03	2207.09	306.96	0.00
Hempstead Lake	11398.9*	Max WS	69.09	19.00	29.30		29.30	0.000000	0.03	2568.51	614.67	0.00
Hempstead Lake	11373.9*	Max WS	69.38	18.98	29.30		29.30	0.000000	0.02	3116.70	819.50	0.00
Hempstead Lake	11349.*	Max WS	68.81	18.95	29.30		29.30	0.000000	0.02	3756.52	909.89	0.00
Hempstead Lake	11324.*	Max WS	69.67	18.92	29.30		29.30	0.000000	0.02	4456.44	990.37	0.00
Hempstead Lake	11299.0*	Max WS	69.09	18.90	29.30		29.30	0.000000	0.01	5208.06	1070.07	0.00
Hempstead Lake	11274.0*	Max WS	69.09	18.88	29.30		29.30	0.000000	0.01	6014.80	1147.28	0.00
Hempstead Lake	11249.0*	Max WS	69.38	18.85	29.30		29.30	0.000000	0.01	6873.64	1225.56	0.00
Hempstead Lake	11224.0*	Max WS	69.37	18.83	29.30		29.30	0.000000	0.01	7785.83	1303.07	0.00
Hempstead Lake	11199.0*	Max WS	69.37	18.80	29.30		29.30	0.000000	0.01	8747.50	1379.20	0.00
Hempstead Lake	11174.0*	Max WS	69.09	18.77	29.30		29.30	0.000000	0.01	9761.19	1454.53	0.00
Hempstead Lake	11149.0*	Max WS	69.09	18.75	29.30		29.30	0.000000	0.01	10825.52	1525.23	0.00
Hempstead Lake	11124.0*	Max WS	69.64	18.73	29.30		29.30	0.000000	0.00	11938.55	1593.92	0.00
Hempstead Lake	11099.0*	Max WS	69.64	18.70	29.30		29.30	0.000000	0.00	13097.69	1661.73	0.00
Hempstead Lake	11074.0*	Max WS	69.09	18.67	29.30		29.30	0.000000	0.00	14308.92	1729.28	0.00
Hempstead Lake	11049.07	Max WS	69.08	18.65	29.30		29.30	0.000000	0.00	15565.24	1796.60	0.00
Hempstead Lake	11038.4*	Max WS	69.36	18.61	29.30		29.30	0.000000	0.00	15040.11	1776.49	0.00
Hempstead Lake	11027.7*	Max WS	69.35	18.58	29.30		29.30	0.000000	0.00	14531.88	1756.28	0.00
Hempstead Lake	11017.0*	Max WS	69.09	18.54	29.30		29.30	0.000000	0.00	14037.95	1736.13	0.00
Hempstead Lake	11006.4*	Max WS	69.61	18.50	29.30		29.30	0.000000	0.00	13558.38	1715.83	0.00
Hempstead Lake	10995.7*	Max WS	69.35	18.47	29.30		29.30	0.000000	0.00	13097.88	1695.67	0.00
Hempstead Lake	10985.0*	Max WS	69.34	18.43	29.30		29.30	0.000000	0.00	12652.71	1675.02	0.00
Hempstead Lake	10974.4*	Max WS	69.34	18.39	29.30		29.30	0.000000	0.00	12222.71	1651.54	0.00
Hempstead Lake	10963.7*	Max WS	68.83	18.35	29.30		29.30	0.000000	0.00	11810.53	1627.69	0.00
Hempstead Lake	10953.1*	Max WS	69.60	18.32	29.30		29.30	0.000000	0.01	11415.53	1603.95	0.00
Hempstead Lake	10942.4*	Max WS	69.34	18.28	29.30		29.30	0.000000	0.01	11035.78	1580.57	0.00
Hempstead Lake	10931.7*	Max WS	69.60	18.24	29.30		29.30	0.000000	0.01	10670.86	1557.03	0.00
Hempstead Lake	10921.1*	Max WS	69.86	18.21	29.30		29.30	0.000000	0.01	10324.54	1534.11	0.00
Hempstead Lake	10910.4*	Max WS	69.34	18.17	29.30		29.30	0.000000	0.01	9996.21	1511.29	0.00
Hempstead Lake	10899.7*	Max WS	69.34	18.13	29.30		29.30	0.000000	0.01	9680.94	1488.74	0.00
Hempstead Lake	10889.1*	Max WS	69.59	18.10	29.30		29.30	0.000000	0.01	9383.26	1467.97	0.00
Hempstead Lake	10878.4*	Max WS	69.33	18.06	29.30		29.30	0.000000	0.01	9100.33	1449.01	0.00
Hempstead Lake	10867.8*	Max WS	69.58	18.02	29.30		29.30	0.000000	0.01	8832.97	1430.28	0.00
Hempstead Lake	10857.1*	Max WS	69.58	17.99	29.30		29.30	0.000000	0.01	8579.85	1411.38	0.00
Hempstead Lake	10846.4*	Max WS	69.83	17.95	29.30		29.30	0.000000	0.01	8343.55	1392.60	0.00
Hempstead Lake	10835.8*	Max WS	69.58	17.91	29.30		29.30	0.000000	0.01	8120.14	1373.74	0.00
Hempstead Lake	10825.1*	Max WS	69.33	17.88	29.30		29.30	0.000000	0.01	7913.14	1354.99	0.00
Hempstead Lake	10814.4*	Max WS	69.09	17.84	29.30		29.30	0.000000	0.01	7721.60	1336.38	0.00
Hempstead Lake	10803.8*	Max WS	69.82	17.80	29.30		29.30	0.000000	0.01	7544.18	1317.65	0.00
Hempstead Lake	10793.1*	Max WS	69.57	17.76	29.30		29.30	0.000000	0.01	7382.98	1299.16	0.00
Hempstead Lake	10782.4*	Max WS	69.57	17.73	29.30		29.30	0.000000	0.01	7236.30	1245.74	0.00
Hempstead Lake	10771.8*	Max WS	69.57	17.69	29.30		29.30	0.000000	0.01	7132.24	1157.67	0.00
Hempstead Lake	10761.1*	Max WS	69.33	17.65	29.30		29.30	0.000000	0.01	7066.35	998.48	0.00
Hempstead Lake	10750.5*	Max WS	69.33	17.62	29.30		29.30	0.000000	0.01	7065.35	872.49	0.00
Hempstead Lake	10739.8*	Max WS	69.81	17.58	29.30		29.30	0.000000	0.01	7086.80	860.48	0.00
Hempstead Lake	10729.1*	Max WS	69.57	17.54	29.30		29.30	0.000000	0.01	7115.63	839.12	0.00
Hempstead Lake	10718.5*	Max WS	69.56	17.51	29.30		29.30	0.000000	0.01	7148.07	839.19	0.00
Hempstead Lake	10707.8*	Max WS	69.56	17.47	29.30		29.30	0.000000	0.01	7185.75	839.52	0.00
Hempstead Lake	10697.1*	Max WS	69.80	17.43	29.30		29.30	0.000000	0.01	7222.85	840.30	0.00
Hempstead Lake	10686.5*	Max WS	69.56	17.40	29.30		29.30	0.000000	0.01	7262.45	841.33	0.00
Hempstead Lake	10675.8*	Max WS	69.32	17.36	29.30		29.30	0.000000	0.01	7303.02	841.56	0.00
Hempstead Lake	10665.2*	Max WS	69.32	17.32	29.30		29.30	0.000000	0.01	7345.14	840.94	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	69.56	17.29	29.30		29.30	0.000000	0.01	7388.87	840.52	0.00
Hempstead Lake	10643.8*	Max WS	69.55	17.25	29.30		29.30	0.000000	0.01	7434.83	840.19	0.00
Hempstead Lake	10633.2*	Max WS	69.55	17.21	29.30		29.30	0.000000	0.01	7482.36	840.22	0.00
Hempstead Lake	10622.5*	Max WS	69.55	17.17	29.30		29.30	0.000000	0.01	7531.40	840.44	0.00
Hempstead Lake	10611.8*	Max WS	69.09	17.14	29.30		29.30	0.000000	0.01	7580.69	840.89	0.00
Hempstead Lake	10601.2*	Max WS	69.55	17.10	29.30		29.30	0.000000	0.01	7632.72	841.44	0.00
Hempstead Lake	10590.5*	Max WS	69.78	17.06	29.30		29.30	0.000000	0.01	7685.58	842.29	0.00
Hempstead Lake	10579.8*	Max WS	69.55	17.03	29.30		29.30	0.000000	0.01	7738.91	843.26	0.00
Hempstead Lake	10569.23	Max WS	69.32	16.99	29.30		29.30	0.000000	0.01	7794.10	844.44	0.00
Hempstead Lake	10549.1*	Max WS	69.77	16.96	29.30		29.30	0.000000	0.01	7804.18	846.84	0.00
Hempstead Lake	10529.0*	Max WS	69.77	16.94	29.30		29.30	0.000000	0.01	7817.60	853.59	0.00
Hempstead Lake	10508.9*	Max WS	69.55	16.91	29.30		29.30	0.000000	0.01	7832.83	858.63	0.00
Hempstead Lake	10488.7*	Max WS	69.32	16.89	29.30		29.30	0.000000	0.01	7850.36	864.04	0.00
Hempstead Lake	10468.6*	Max WS	69.77	16.86	29.30		29.30	0.000000	0.01	7872.22	869.64	0.00
Hempstead Lake	10448.5*	Max WS	69.54	16.83	29.30		29.30	0.000000	0.01	7897.60	875.69	0.00
Hempstead Lake	10428.4*	Max WS	69.54	16.81	29.30		29.30	0.000000	0.01	7925.03	882.01	0.00
Hempstead Lake	10408.3*	Max WS	69.32	16.78	29.30		29.30	0.000000	0.01	7957.99	888.76	0.00
Hempstead Lake	10388.2*	Max WS	69.32	16.76	29.30		29.30	0.000000	0.01	7991.97	892.36	0.00
Hempstead Lake	10368.1*	Max WS	69.76	16.73	29.30		29.30	0.000000	0.01	8030.82	894.29	0.00
Hempstead Lake	10348.0*	Max WS	69.54	16.71	29.30		29.30	0.000000	0.01	8068.85	896.02	0.00
Hempstead Lake	10327.9*	Max WS	69.32	16.68	29.30		29.30	0.000000	0.01	8110.21	897.56	0.00
Hempstead Lake	10307.8*	Max WS	69.75	16.65	29.30		29.30	0.000000	0.01	8153.57	899.00	0.00
Hempstead Lake	10287.7*	Max WS	69.53	16.63	29.30		29.30	0.000000	0.01	8197.97	900.44	0.00
Hempstead Lake	10267.6*	Max WS	69.53	16.60	29.30		29.30	0.000000	0.01	8244.95	901.69	0.00
Hempstead Lake	10247.4*	Max WS	69.53	16.58	29.30		29.30	0.000000	0.01	8291.65	902.80	0.00
Hempstead Lake	10227.3*	Max WS	69.74	16.55	29.30		29.30	0.000000	0.01	8340.78	903.92	0.00
Hempstead Lake	10207.2*	Max WS	69.53	16.52	29.30		29.30	0.000000	0.01	8392.93	905.10	0.00
Hempstead Lake	10187.1*	Max WS	69.95	16.50	29.30		29.30	0.000000	0.01	8444.03	906.04	0.00
Hempstead Lake	10167.0*	Max WS	69.53	16.47	29.30		29.30	0.000000	0.01	8498.76	907.23	0.00
Hempstead Lake	10146.9*	Max WS	69.53	16.45	29.30		29.30	0.000000	0.01	8552.73	908.35	0.00
Hempstead Lake	10126.8*	Max WS	69.95	16.42	29.30		29.30	0.000000	0.01	8611.60	909.55	0.00
Hempstead Lake	10106.7*	Max WS	69.74	16.40	29.30		29.30	0.000000	0.01	8667.88	910.59	0.00
Hempstead Lake	10086.6*	Max WS	69.53	16.37	29.30		29.30	0.000000	0.01	8727.69	911.52	0.00
Hempstead Lake	10066.5*	Max WS	69.73	16.34	29.30		29.30	0.000000	0.01	8788.98	912.47	0.00
Hempstead Lake	10046.4*	Max WS	69.73	16.32	29.30		29.30	0.000000	0.01	8850.43	913.07	0.00
Hempstead Lake	10026.2*	Max WS	69.33	16.29	29.30		29.30	0.000000	0.01	8914.32	913.93	0.00
Hempstead Lake	10006.1*	Max WS	69.73	16.27	29.30		29.30	0.000000	0.01	8978.00	914.56	0.00
Hempstead Lake	9986.073	Max WS	69.73	16.24	29.30		29.30	0.000000	0.01	9043.88	915.10	0.00
Hempstead Lake	9946.44*	Max WS	69.72	16.19	29.30		29.30	0.000000	0.01	9065.97	913.03	0.00
Hempstead Lake	9906.81*	Max WS	69.92	16.14	29.30		29.30	0.000000	0.01	9088.50	910.24	0.00
Hempstead Lake	9867.19*	Max WS	69.72	16.08	29.30		29.30	0.000000	0.01	9112.54	906.76	0.00
Hempstead Lake	9827.56*	Max WS	69.91	16.03	29.30		29.30	0.000000	0.01	9133.19	902.74	0.00
Hempstead Lake	9787.93*	Max WS	69.91	15.98	29.30		29.30	0.000000	0.01	9153.02	898.14	0.00
Hempstead Lake	9748.31*	Max WS	69.52	15.93	29.30		29.30	0.000000	0.01	9173.09	893.12	0.00
Hempstead Lake	9708.68*	Max WS	69.34	15.88	29.30		29.30	0.000000	0.01	9191.15	887.59	0.00
Hempstead Lake	9669.05*	Max WS	69.52	15.82	29.30		29.30	0.000000	0.01	9207.21	881.57	0.00
Hempstead Lake	9629.43*	Max WS	69.71	15.77	29.30		29.30	0.000000	0.01	9218.51	875.27	0.00
Hempstead Lake	9589.80*	Max WS	69.71	15.72	29.30		29.30	0.000000	0.01	9229.55	868.66	0.00
Hempstead Lake	9550.17*	Max WS	69.70	15.67	29.30		29.30	0.000000	0.01	9237.01	861.76	0.00
Hempstead Lake	9510.55*	Max WS	69.70	15.62	29.30		29.30	0.000000	0.01	9241.96	854.64	0.00
Hempstead Lake	9470.92*	Max WS	69.88	15.57	29.30		29.30	0.000000	0.01	9245.87	847.17	0.00
Hempstead Lake	9431.29*	Max WS	69.70	15.51	29.30		29.30	0.000000	0.01	9243.88	839.59	0.00
Hempstead Lake	9391.67*	Max WS	69.87	15.46	29.30		29.30	0.000000	0.01	9239.83	831.79	0.00
Hempstead Lake	9352.04*	Max WS	69.87	15.41	29.30		29.30	0.000000	0.01	9232.68	824.41	0.00
Hempstead Lake	9312.41*	Max WS	69.70	15.36	29.30		29.30	0.000000	0.01	9221.82	817.45	0.00
Hempstead Lake	9272.79*	Max WS	69.69	15.31	29.30		29.30	0.000000	0.01	9208.68	810.44	0.00
Hempstead Lake	9233.16*	Max WS	69.86	15.25	29.30		29.30	0.000000	0.01	9193.47	803.42	0.00
Hempstead Lake	9193.53*	Max WS	69.69	15.20	29.30		29.30	0.000000	0.01	9172.82	796.64	0.00
Hempstead Lake	9153.910	Max WS	69.69	15.15	29.30		29.30	0.000000	0.01	9150.96	789.61	0.00
Hempstead Lake	9115.80*	Max WS	71.69	15.10	29.30		29.30	0.000000	0.01	9181.15	795.32	0.00
Hempstead Lake	9077.70*	Max WS	71.68	15.06	29.30		29.30	0.000000	0.01	9207.95	800.91	0.00
Hempstead Lake	9039.60*	Max WS	72.01	15.01	29.30		29.30	0.000000	0.01	9234.74	806.29	0.00
Hempstead Lake	9001.50*	Max WS	71.85	14.96	29.30		29.30	0.000000	0.01	9257.86	811.51	0.00
Hempstead Lake	8963.40*	Max WS	71.84	14.92	29.30		29.30	0.000000	0.01	9279.55	816.62	0.00
Hempstead Lake	8925.30*	Max WS	71.68	14.87	29.30		29.30	0.000000	0.01	9297.77	821.48	0.00
Hempstead Lake	8887.19*	Max WS	71.84	14.83	29.30		29.30	0.000000	0.01	9315.28	826.11	0.00
Hempstead Lake	8849.09*	Max WS	71.83	14.78	29.30		29.30	0.000000	0.01	9330.74	830.52	0.00
Hempstead Lake	8810.99*	Max WS	71.83	14.73	29.30		29.30	0.000000	0.01	9346.06	835.06	0.00
Hempstead Lake	8772.89*	Max WS	71.68	14.69	29.30		29.30	0.000000	0.01	9357.75	839.33	0.00
Hempstead Lake	8734.79*	Max WS	71.82	14.64	29.30		29.30	0.000000	0.01	9368.91	843.41	0.00
Hempstead Lake	8696.69*	Max WS	71.97	14.59	29.30		29.30	0.000000	0.01	9378.63	847.13	0.00
Hempstead Lake	8658.59*	Max WS	71.82	14.55	29.30		29.30	0.000000	0.01	9387.18	850.01	0.00
Hempstead Lake	8620.48*	Max WS	71.68	14.50	29.30		29.30	0.000000	0.01	9394.34	852.84	0.00
Hempstead Lake	8582.38*	Max WS	71.82	14.46	29.30		29.30	0.000000	0.01	9400.13	855.48	0.00
Hempstead Lake	8544.28*	Max WS	71.81	14.41	29.30		29.30	0.000000	0.01	9404.73	858.36	0.00
Hempstead Lake	8506.18*	Max WS	71.95	14.36	29.30		29.30	0.000000	0.01	9409.10	861.17	0.00
Hempstead Lake	8468.08*	Max WS	71.81	14.32	29.30		29.30	0.000000	0.01	9412.40	863.35	0.00
Hempstead Lake	8429.980	Max WS	71.67	14.27	29.30		29.30	0.000000	0.01	9414.81	865.06	0.00
Hempstead Lake	8391.45*	Max WS	71.94	14.21	29.30		29.30	0.000000	0.01	9599.31	878.87	0.00
Hempstead Lake	8352.92*	Max WS	71.80	14.15	29.30		29.30	0.000000	0.01	9792.79	892.98	0.00
Hempstead Lake	8314.39*	Max WS	71.93	14.09	29.30		29.30	0.000000	0.01	9988.59	907.40	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	8275.85*	Max WS	71.92	14.03	29.30		29.30	0.000000	0.01	10192.94	922.21	0.00
Hempstead Lake	8237.32*	Max WS	71.67	13.97	29.30		29.30	0.000000	0.01	10404.56	937.51	0.00
Hempstead Lake	8198.79*	Max WS	71.92	13.91	29.30		29.30	0.000000	0.01	10621.59	953.15	0.00
Hempstead Lake	8160.26*	Max WS	71.79	13.85	29.30		29.30	0.000000	0.01	10845.43	969.33	0.00
Hempstead Lake	8121.73*	Max WS	71.67	13.79	29.30		29.30	0.000000	0.01	11079.00	985.53	0.00
Hempstead Lake	8083.20*	Max WS	71.78	13.73	29.30		29.30	0.000000	0.01	11318.00	1001.44	0.00
Hempstead Lake	8044.67*	Max WS	71.90	13.67	29.30		29.30	0.000000	0.01	11563.94	1015.72	0.00
Hempstead Lake	8006.14*	Max WS	71.90	13.61	29.30		29.30	0.000000	0.01	11817.10	1027.15	0.00
Hempstead Lake	7967.61*	Max WS	71.78	13.55	29.30		29.30	0.000000	0.01	12074.62	1037.50	0.00
Hempstead Lake	7929.08*	Max WS	71.78	13.49	29.30		29.30	0.000000	0.01	12335.65	1047.18	0.00
Hempstead Lake	7890.55*	Max WS	71.66	13.43	29.30		29.30	0.000000	0.01	12599.81	1056.55	0.00
Hempstead Lake	7852.02*	Max WS	71.77	13.37	29.30		29.30	0.000000	0.01	12867.32	1065.68	0.00
Hempstead Lake	7813.49*	Max WS	71.66	13.31	29.30		29.30	0.000000	0.01	13138.98	1074.51	0.00
Hempstead Lake	7774.96*	Max WS	71.77	13.25	29.30		29.30	0.000000	0.01	13414.09	1083.33	0.00
Hempstead Lake	7736.43*	Max WS	71.66	13.19	29.30		29.30	0.000000	0.01	13690.58	1091.96	0.00
Hempstead Lake	7697.90*	Max WS	71.76	13.13	29.30		29.30	0.000000	0.01	13973.40	1100.46	0.00
Hempstead Lake	7659.37*	Max WS	71.75	13.07	29.30		29.30	0.000000	0.01	14256.70	1108.88	0.00
Hempstead Lake	7620.84*	Max WS	71.85	13.01	29.30		29.30	0.000000	0.00	14544.18	1117.22	0.00
Hempstead Lake	7582.31*	Max WS	71.75	12.95	29.30		29.30	0.000000	0.00	14835.24	1125.57	0.00
Hempstead Lake	7543.783	Max WS	71.75	12.89	29.30		29.30	0.000000	0.00	15128.12	1133.78	0.00
Hempstead Lake	7505.15*	Max WS	73.83	12.79	29.30		29.30	0.000000	0.00	15259.21	1140.16	0.00
Hempstead Lake	7466.53*	Max WS	73.66	12.68	29.30		29.30	0.000000	0.00	15392.86	1146.24	0.00
Hempstead Lake	7427.90*	Max WS	73.74	12.58	29.30		29.30	0.000000	0.00	15530.46	1151.91	0.00
Hempstead Lake	7389.27*	Max WS	73.82	12.48	29.30		29.30	0.000000	0.00	15668.81	1157.35	0.00
Hempstead Lake	7350.65*	Max WS	73.81	12.37	29.30		29.30	0.000000	0.00	15812.83	1162.46	0.00
Hempstead Lake	7312.02*	Max WS	73.66	12.27	29.30		29.30	0.000000	0.00	15956.83	1167.03	0.00
Hempstead Lake	7273.4*	Max WS	73.73	12.17	29.30		29.30	0.000000	0.00	16106.30	1171.30	0.00
Hempstead Lake	7234.77*	Max WS	73.73	12.06	29.30		29.30	0.000000	0.00	16258.34	1175.09	0.00
Hempstead Lake	7196.14*	Max WS	73.80	11.96	29.30		29.30	0.000000	0.00	16411.52	1178.22	0.00
Hempstead Lake	7157.52*	Max WS	73.86	11.86	29.30		29.30	0.000000	0.00	16570.04	1180.72	0.00
Hempstead Lake	7118.89*	Max WS	73.72	11.75	29.30		29.30	0.000000	0.00	16730.22	1180.39	0.00
Hempstead Lake	7080.26*	Max WS	73.78	11.65	29.30		29.30	0.000000	0.00	16894.16	1181.01	0.00
Hempstead Lake	7041.64*	Max WS	73.78	11.55	29.30		29.30	0.000000	0.00	17059.65	1182.02	0.00
Hempstead Lake	7003.01*	Max WS	73.77	11.44	29.30		29.30	0.000000	0.00	17225.86	1182.31	0.00
Hempstead Lake	6964.39*	Max WS	73.77	11.34	29.30		29.30	0.000000	0.00	17396.45	1182.00	0.00
Hempstead Lake	6925.76*	Max WS	73.71	11.24	29.30		29.30	0.000000	0.00	17565.66	1181.59	0.00
Hempstead Lake	6887.13*	Max WS	73.67	11.13	29.30		29.30	0.000000	0.00	17739.76	1181.27	0.00
Hempstead Lake	6848.51*	Max WS	73.75	11.03	29.30		29.30	0.000000	0.00	17913.34	1181.10	0.00
Hempstead Lake	6809.88*	Max WS	73.75	10.93	29.30		29.30	0.000000	0.00	18090.20	1181.02	0.00
Hempstead Lake	6771.26*	Max WS	73.74	10.82	29.30		29.30	0.000000	0.00	18297.11	1390.45	0.00
Hempstead Lake	6732.634	Max WS	73.74	10.72	29.30		29.30	0.000000	0.00	18444.55	1181.10	0.00
Hempstead Lake	6720.73*	Max WS	73.78	10.73	29.30		29.30	0.000000	0.00	18296.49	1179.59	0.00
Hempstead Lake	6708.83*	Max WS	73.71	10.74	29.30		29.30	0.000000	0.00	18145.76	1178.09	0.00
Hempstead Lake	6696.93*	Max WS	73.74	10.75	29.30		29.30	0.000000	0.00	17998.70	1176.50	0.00
Hempstead Lake	6685.03*	Max WS	73.73	10.76	29.30		29.30	0.000000	0.00	17851.80	1174.94	0.00
Hempstead Lake	6673.13*	Max WS	73.70	10.76	29.30		29.30	0.000000	0.00	17705.15	1173.37	0.00
Hempstead Lake	6661.22*	Max WS	73.76	10.77	29.30		29.30	0.000000	0.00	17558.00	1171.80	0.00
Hempstead Lake	6649.32*	Max WS	73.73	10.78	29.30		29.30	0.000000	0.00	17413.02	1170.17	0.00
Hempstead Lake	6637.42*	Max WS	73.73	10.79	29.30		29.30	0.000000	0.00	17267.83	1168.52	0.00
Hempstead Lake	6625.52*	Max WS	73.76	10.80	29.30		29.30	0.000000	0.00	17123.64	1166.84	0.00
Hempstead Lake	6613.62*	Max WS	73.76	10.81	29.30		29.30	0.000000	0.00	16978.58	1165.13	0.00
Hempstead Lake	6601.72*	Max WS	73.70	10.82	29.30		29.30	0.000000	0.00	16835.16	1163.40	0.00
Hempstead Lake	6589.82*	Max WS	73.70	10.83	29.30		29.30	0.000000	0.00	16693.23	1161.65	0.00
Hempstead Lake	6577.92*	Max WS	73.70	10.84	29.30		29.30	0.000000	0.00	16552.85	1159.82	0.00
Hempstead Lake	6566.02*	Max WS	73.72	10.85	29.30		29.30	0.000000	0.00	16409.68	1157.98	0.00
Hempstead Lake	6554.12*	Max WS	73.70	10.85	29.30		29.30	0.000000	0.00	16269.41	1156.08	0.00
Hempstead Lake	6542.22*	Max WS	73.75	10.86	29.30		29.30	0.000000	0.00	16129.87	1154.06	0.00
Hempstead Lake	6530.32*	Max WS	73.67	10.87	29.30		29.30	0.000000	0.00	15989.67	1151.99	0.00
Hempstead Lake	6518.42*	Max WS	73.67	10.88	29.30		29.30	0.000000	0.00	15852.04	1149.89	0.00
Hempstead Lake	6506.52*	Max WS	73.70	10.89	29.30		29.30	0.000000	0.00	15713.28	1147.65	0.00
Hempstead Lake	6494.62*	Max WS	73.67	10.90	29.30		29.30	0.000000	0.00	15576.65	1144.86	0.00
Hempstead Lake	6482.71*	Max WS	73.70	10.91	29.30		29.30	0.000000	0.00	15441.73	1142.39	0.00
Hempstead Lake	6470.81*	Max WS	73.67	10.92	29.30		29.30	0.000000	0.00	15304.82	1140.62	0.00
Hempstead Lake	6458.91*	Max WS	73.67	10.93	29.30		29.30	0.000000	0.00	15172.42	1138.88	0.00
Hempstead Lake	6447.01*	Max WS	73.67	10.94	29.30		29.30	0.000000	0.00	15036.21	1137.22	0.00
Hempstead Lake	6435.11*	Max WS	73.69	10.94	29.30		29.30	0.000000	0.00	14904.36	1135.61	0.00
Hempstead Lake	6423.21*	Max WS	73.69	10.95	29.30		29.30	0.000000	0.00	14771.67	1134.05	0.00
Hempstead Lake	6411.31*	Max WS	73.69	10.96	29.30		29.30	0.000000	0.01	14639.13	1132.55	0.00
Hempstead Lake	6399.41*	Max WS	73.70	10.97	29.30		29.30	0.000000	0.01	14507.18	1131.09	0.00
Hempstead Lake	6387.51*	Max WS	73.69	10.98	29.30		29.30	0.000000	0.01	14376.87	1129.64	0.00
Hempstead Lake	6375.61*	Max WS	73.69	10.99	29.30		29.30	0.000000	0.01	14248.30	1128.30	0.00
Hempstead Lake	6363.71*	Max WS	73.69	11.00	29.30		29.30	0.000000	0.01	14117.73	1127.01	0.00
Hempstead Lake	6351.81*	Max WS	73.69	11.01	29.30		29.30	0.000000	0.01	13988.32	1125.81	0.00
Hempstead Lake	6339.91*	Max WS	73.69	11.02	29.30		29.30	0.000000	0.01	13858.74	1124.60	0.00
Hempstead Lake	6328.01*	Max WS	73.69	11.03	29.30		29.30	0.000000	0.01	13731.37	1123.43	0.00
Hempstead Lake	6316.10*	Max WS	73.69	11.03	29.30		29.30	0.000000	0.01	13603.99	1122.32	0.00
Hempstead Lake	6304.20*	Max WS	73.68	11.04	29.30		29.30	0.000000	0.01	13477.92	1121.17	0.00
Hempstead Lake	6292.30*	Max WS	73.68	11.05	29.30		29.30	0.000000	0.01	13348.68	1120.13	0.00
Hempstead Lake	6280.40*	Max WS	73.68	11.06	29.30		29.30	0.000000	0.01	13224.33	1119.14	0.00
Hempstead Lake	6268.507	Max WS	73.68	11.07	29.30		29.30	0.000000	0.01	10328.03	1118.24	0.00
Hempstead Lake	6258.74*	Max WS	73.69	11.11	29.30		29.30	0.000000	0.01	8500.05	2076.29	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6248.98*	Max WS	73.68	11.15	29.30		29.30	0.000000	0.01	6878.80	1826.20	0.00
Hempstead Lake	6239.21*	Max WS	73.68	11.18	29.30		29.30	0.000000	0.01	5483.53	1552.88	0.00
Hempstead Lake	6229.45*	Max WS	73.68	11.22	29.30		29.30	0.000000	0.02	4323.34	1314.49	0.00
Hempstead Lake	6219.69*	Max WS	73.68	11.26	29.30		29.30	0.000000	0.02	3422.85	889.15	0.00
Hempstead Lake	6209.92*	Max WS	73.68	11.30	29.30		29.30	0.000000	0.03	2818.99	698.42	0.00
Hempstead Lake	6200.16*	Max WS	73.68	11.33	29.30		29.30	0.000000	0.03	2440.22	253.65	0.00
Hempstead Lake	6190.40*	Max WS	73.68	11.37	29.30		29.30	0.000000	0.04	1929.96	226.71	0.00
Hempstead Lake	6180.638	Max WS	73.68	11.41	29.30		29.30	0.000000	0.07	1112.31	206.01	0.00
Hempstead Lake	6177.638	Max WS	73.68	11.00	29.30	11.75	29.30	0.000002	0.20	369.01	30.00	0.01
Hempstead Lake	6175.638		Inl Struct									
Hempstead Lake	6169.638	Max WS	73.67	11.00	14.31		14.33	0.000037	1.11	66.20	20.00	0.11
Hempstead Lake	6164.638	Max WS	73.67	11.00	14.31		14.33	0.000037	1.11	66.20	20.00	0.11
Hempstead Lake	6162.638	Max WS	73.67	11.00	14.31		14.33	0.000037	1.11	66.20	20.00	0.11
Hempstead Lake	6160.638	Max WS	73.67	10.85	14.29		14.33	0.000094	1.65	44.69	13.00	0.16
Hempstead Lake	6145.638		Culvert									
Hempstead Lake	6130.638	Max WS	73.54	10.80	13.53		13.64	0.000347	2.69	27.30	10.00	0.29
Hempstead Lake	6128.638	Max WS	73.54	10.80	13.53		13.64	0.000347	2.69	27.29	10.00	0.29
Hempstead Lake	6080.638	Max WS	73.53	10.80	13.51	11.99	13.62	0.000354	2.71	27.10	10.00	0.29
Hempstead Lake	6030.638	Max WS	73.52	10.80	13.49	11.99	13.61	0.000361	2.73	26.90	10.00	0.29
Hempstead Lake	5980.638	Max WS	73.51	10.80	13.47	11.99	13.59	0.000369	2.75	26.70	10.00	0.30
Hempstead Lake	5930.638	Max WS	73.50	10.80	13.45	11.99	13.57	0.000377	2.77	26.50	10.00	0.30
Hempstead Lake	5880.638	Max WS	73.49	10.80	13.43	11.99	13.55	0.000385	2.80	26.29	10.00	0.30
Hempstead Lake	5830.638	Max WS	73.47	10.80	13.41	11.99	13.53	0.000395	2.82	26.07	10.00	0.31
Hempstead Lake	5780.638	Max WS	73.46	10.80	13.39	11.99	13.51	0.000404	2.84	25.85	10.00	0.31
Hempstead Lake	5730.638	Max WS	73.45	10.80	13.36	11.99	13.49	0.000414	2.87	25.63	10.00	0.32
Hempstead Lake	5680.638	Max WS	73.43	10.80	13.34	11.99	13.47	0.000425	2.89	25.39	10.00	0.32
Hempstead Lake	5630.638	Max WS	73.41	10.80	13.32	11.99	13.45	0.000437	2.92	25.15	10.00	0.32
Hempstead Lake	5580.638	Max WS	73.40	10.80	13.29	11.99	13.43	0.000449	2.95	24.90	10.00	0.33
Hempstead Lake	5530.638	Max WS	73.38	10.80	13.26	11.99	13.40	0.000463	2.98	24.65	10.00	0.33
Hempstead Lake	5480.638	Max WS	73.36	10.80	13.24	11.99	13.38	0.000477	3.01	24.38	10.00	0.34
Hempstead Lake	5430.638	Max WS	73.34	10.80	13.21	11.99	13.35	0.000493	3.04	24.11	10.00	0.35
Hempstead Lake	5380.638	Max WS	73.32	10.80	13.18	11.99	13.33	0.000510	3.08	23.82	10.00	0.35
Hempstead Lake	5330.638	Max WS	73.30	10.80	13.15	11.99	13.30	0.000529	3.12	23.53	10.00	0.36
Hempstead Lake	5281.876	Max WS	73.30	10.32	13.16		13.16	0.000002	0.12	616.11	269.25	0.01
Hempstead Lake	5264.81*	Max WS	73.30	10.04	13.16		13.16	0.000001	0.10	712.46	281.86	0.01
Hempstead Lake	5247.76*	Max WS	73.30	9.75	13.16		13.16	0.000001	0.09	815.24	294.47	0.01
Hempstead Lake	5230.70*	Max WS	73.30	9.47	13.16		13.16	0.000001	0.08	921.60	306.92	0.01
Hempstead Lake	5213.64*	Max WS	73.30	9.18	13.16		13.16	0.000001	0.07	1034.53	323.48	0.01
Hempstead Lake	5196.590	Max WS	73.30	8.83	13.16		13.16	0.000000	0.06	1164.98	354.32	0.01
Hempstead Lake	5179.35*	Max WS	73.30	8.68	13.16		13.16	0.000000	0.06	1182.54	349.88	0.01
Hempstead Lake	5162.11*	Max WS	73.30	8.46	13.16		13.16	0.000001	0.06	1202.63	341.53	0.01
Hempstead Lake	5144.87*	Max WS	73.30	8.24	13.16		13.16	0.000001	0.06	1226.42	335.33	0.01
Hempstead Lake	5127.63*	Max WS	73.30	8.01	13.16		13.16	0.000001	0.06	1255.35	333.43	0.01
Hempstead Lake	5110.39*	Max WS	73.30	7.79	13.16		13.16	0.000001	0.06	1288.34	334.33	0.01
Hempstead Lake	5093.16*	Max WS	73.30	7.57	13.16		13.16	0.000001	0.06	1326.92	338.16	0.00
Hempstead Lake	5075.922	Max WS	73.30	7.27	13.16		13.16	0.000000	0.05	1370.52	338.90	0.00
Hempstead Lake	5055.96*	Max WS	73.30	7.23	13.16		13.16	0.000001	0.05	1354.99	336.62	0.00
Hempstead Lake	5036.01*	Max WS	73.30	7.20	13.16		13.16	0.000001	0.05	1352.14	345.64	0.00
Hempstead Lake	5016.05*	Max WS	73.30	7.16	13.16		13.16	0.000001	0.05	1377.72	373.97	0.00
Hempstead Lake	4996.10*	Max WS	73.30	7.12	13.16		13.16	0.000000	0.05	1465.98	436.16	0.00
Hempstead Lake	4976.14*	Max WS	73.30	7.09	13.16		13.16	0.000000	0.04	1748.76	555.95	0.00
Hempstead Lake	4956.192	Max WS	73.30	7.05	13.16		13.16	0.000000	0.03	2104.36	561.46	0.00
Hempstead Lake	4936.44*	Max WS	73.30	7.02	13.16		13.16	0.000000	0.03	2240.37	576.89	0.00
Hempstead Lake	4916.69*	Max WS	73.30	6.98	13.16		13.16	0.000000	0.03	2394.92	594.39	0.00
Hempstead Lake	4896.94*	Max WS	73.30	6.95	13.16		13.16	0.000000	0.03	2574.80	638.30	0.00
Hempstead Lake	4877.19*	Max WS	73.30	6.91	13.16		13.16	0.000000	0.03	2823.94	678.45	0.00
Hempstead Lake	4857.44*	Max WS	73.30	6.88	13.16		13.16	0.000000	0.02	3117.24	719.21	0.00
Hempstead Lake	4837.697	Max WS	73.30	6.84	13.16		13.16	0.000000	0.02	3460.61	760.03	0.00
Hempstead Lake	4817.64*	Max WS	75.30	6.81	13.16		13.16	0.000000	0.02	3528.91	761.54	0.00
Hempstead Lake	4797.59*	Max WS	75.30	6.77	13.16		13.16	0.000000	0.02	3597.91	762.02	0.00
Hempstead Lake	4777.53*	Max WS	75.30	6.67	13.16		13.16	0.000000	0.02	3667.77	762.31	0.00
Hempstead Lake	4757.48*	Max WS	75.30	6.58	13.16		13.16	0.000000	0.02	3736.99	762.23	0.00
Hempstead Lake	4737.42*	Max WS	75.30	6.49	13.16		13.16	0.000000	0.02	3806.70	762.09	0.00
Hempstead Lake	4717.37*	Max WS	75.30	6.40	13.16		13.16	0.000000	0.02	3875.65	761.82	0.00
Hempstead Lake	4697.32*	Max WS	75.30	6.30	13.16		13.16	0.000000	0.02	3946.99	762.60	0.00
Hempstead Lake	4677.26*	Max WS	75.30	6.21	13.16		13.16	0.000000	0.02	4018.16	764.90	0.00
Hempstead Lake	4657.21*	Max WS	75.30	6.12	13.16		13.16	0.000000	0.02	4091.01	767.99	0.00
Hempstead Lake	4637.16*	Max WS	75.30	6.02	13.16		13.16	0.000000	0.02	4165.31	771.85	0.00
Hempstead Lake	4617.10*	Max WS	75.30	5.91	13.16		13.16	0.000000	0.02	4241.84	776.83	0.00
Hempstead Lake	4597.05*	Max WS	75.30	5.76	13.16		13.16	0.000000	0.02	4319.85	783.09	0.00
Hempstead Lake	4577.*	Max WS	75.30	5.60	13.16		13.16	0.000000	0.02	4402.02	785.88	0.00
Hempstead Lake	4556.94*	Max WS	75.30	5.45	13.16		13.16	0.000000	0.02	4485.87	787.53	0.00
Hempstead Lake	4536.893	Max WS	75.30	5.30	13.16		13.16	0.000000	0.02	4570.77	788.98	0.00
Hempstead Lake	4516.70*	Max WS	77.30	5.16	13.16		13.16	0.000000	0.02	4617.32	787.90	0.00
Hempstead Lake	4496.51*	Max WS	77.30	5.02	13.16		13.16	0.000000	0.02	4668.88	787.54	0.00
Hempstead Lake	4476.32*	Max WS	77.30	4.88	13.16		13.16	0.000000	0.02	4725.78	788.13	0.00
Hempstead Lake	4456.14*	Max WS	77.30	4.74	13.16		13.16	0.000000	0.02	4786.94	789.72	0.00
Hempstead Lake	4435.95*	Max WS	77.30	4.60	13.16		13.16	0.000000	0.02	4855.49	792.60	0.00
Hempstead Lake	4415.76*	Max WS	77.30	4.46	13.16		13.16	0.000000	0.02	4931.41	797.09	0.00
Hempstead Lake	4395.57*	Max WS	77.30	4.32	13.16		13.16	0.000000	0.02	5017.65	803.97	0.00
Hempstead Lake	4375.38*	Max WS	77.30	4.18	13.16		13.16	0.000000	0.02	5111.60	807.76	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4355.20*	Max WS	77.30	4.04	13.16		13.16	0.000000	0.01	5213.93	811.57	0.00
Hempstead Lake	4335.01*	Max WS	77.30	3.90	13.16		13.16	0.000000	0.01	5322.89	813.77	0.00
Hempstead Lake	4314.82*	Max WS	77.30	3.76	13.16		13.16	0.000000	0.01	5438.76	814.64	0.00
Hempstead Lake	4294.63*	Max WS	77.30	3.62	13.16		13.16	0.000000	0.01	5559.47	815.37	0.00
Hempstead Lake	4274.44*	Max WS	77.30	3.48	13.16		13.16	0.000000	0.01	5685.17	816.00	0.00
Hempstead Lake	4254.26*	Max WS	77.30	3.34	13.16		13.16	0.000000	0.01	5817.07	816.05	0.00
Hempstead Lake	4234.07*	Max WS	77.30	3.20	13.16		13.16	0.000000	0.01	5954.59	815.89	0.00
Hempstead Lake	4213.88*	Max WS	77.30	3.06	13.16		13.16	0.000000	0.01	6097.82	815.64	0.00
Hempstead Lake	4193.69*	Max WS	77.30	2.92	13.16		13.16	0.000000	0.01	6245.06	815.24	0.00
Hempstead Lake	4173.50*	Max WS	77.30	2.78	13.16		13.16	0.000000	0.01	6398.44	814.73	0.00
Hempstead Lake	4153.320	Max WS	77.30	2.64	13.16		13.16	0.000000	0.01	6556.39	814.12	0.00
Hempstead Lake	4131.85*	Max WS	79.30	2.69	13.16		13.16	0.000000	0.01	6493.61	811.37	0.00
Hempstead Lake	4110.38*	Max WS	79.30	2.75	13.16		13.16	0.000000	0.01	6435.34	808.35	0.00
Hempstead Lake	4088.91*	Max WS	79.30	2.80	13.16		13.16	0.000000	0.01	6386.26	804.48	0.00
Hempstead Lake	4067.44*	Max WS	79.30	2.86	13.16		13.16	0.000000	0.01	6341.54	800.26	0.00
Hempstead Lake	4045.97*	Max WS	79.30	2.91	13.16		13.16	0.000000	0.01	6307.16	795.55	0.00
Hempstead Lake	4024.50*	Max WS	79.30	2.97	13.16		13.16	0.000000	0.01	6277.53	790.51	0.00
Hempstead Lake	4003.034	Max WS	79.30	3.02	13.16		13.16	0.000000	0.01	6258.03	785.14	0.00
Hempstead Lake	3984.01*	Max WS	79.30	3.78	13.16		13.16	0.000000	0.01	5336.67	767.80	0.00
Hempstead Lake	3964.99*	Max WS	79.30	4.54	13.16		13.16	0.000000	0.02	4437.80	746.91	0.00
Hempstead Lake	3945.97*	Max WS	79.30	5.30	13.16		13.16	0.000000	0.02	3562.09	724.69	0.00
Hempstead Lake	3926.95*	Max WS	79.30	6.06	13.16		13.16	0.000000	0.03	2709.46	706.40	0.00
Hempstead Lake	3907.93*	Max WS	79.30	6.82	13.16		13.16	0.000001	0.04	1882.23	682.39	0.00
Hempstead Lake	3888.916	Max WS	81.30	7.58	13.16		13.16	0.000001	0.08	990.83	653.42	0.01
Hempstead Lake	3883.916	Max WS	81.30	7.20	13.16	7.81	13.16	0.000000	0.10	852.76	516.57	0.01
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	71.19	7.19	10.28		10.29	0.000175	1.03	69.02	166.31	0.13
Hempstead Lake	3858.916	Max WS	71.19	7.17	10.29		10.29	0.000013	0.25	283.74	169.33	0.03
Hempstead Lake	3826.579	Max WS	71.19	6.10	10.28		10.29	0.000071	0.78	91.34	34.00	0.08
Hempstead Lake	3821.579	Max WS	71.18	6.02	10.26		10.29	0.000125	1.43	49.74	28.97	0.12
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	71.18	5.94	10.23		10.25	0.000075	1.04	68.27	24.79	0.09
Hempstead Lake	3736.579	Max WS	71.18	5.88	10.23		10.25	0.000072	0.86	82.73	25.73	0.08
Hempstead Lake	3699.46*	Max WS	71.18	5.83	10.23		10.24	0.000077	0.83	86.02	28.75	0.08
Hempstead Lake	3662.35*	Max WS	71.18	5.78	10.23		10.24	0.000087	0.79	90.19	32.89	0.08
Hempstead Lake	3625.24*	Max WS	71.18	5.74	10.23		10.24	0.000100	0.74	95.91	41.24	0.09
Hempstead Lake	3588.13*	Max WS	71.18	5.69	10.23		10.23	0.000203	0.59	121.25	119.09	0.10
Hempstead Lake	3551.028	Max WS	71.17	5.64	10.23		10.23	0.000046	0.36	198.68	178.23	0.06
Hempstead Lake	3531.67*	Max WS	71.17	5.61	10.22		10.23	0.000095	0.36	195.06	167.51	0.06
Hempstead Lake	3512.33*	Max WS	71.17	5.58	10.22		10.22	0.000085	0.37	193.32	159.46	0.06
Hempstead Lake	3492.98*	Max WS	71.17	5.55	10.22		10.22	0.000075	0.37	191.86	152.38	0.06
Hempstead Lake	3473.63*	Max WS	71.17	5.52	10.22		10.22	0.000065	0.37	191.36	146.89	0.06
Hempstead Lake	3454.28*	Max WS	71.17	5.49	10.22		10.22	0.000056	0.37	191.17	142.08	0.06
Hempstead Lake	3434.93*	Max WS	71.17	5.46	10.22		10.22	0.000045	0.37	191.75	138.32	0.06
Hempstead Lake	3415.58*	Max WS	71.17	5.43	10.22		10.22	0.000038	0.37	192.10	134.68	0.05
Hempstead Lake	3396.239	Max WS	71.15	5.40	10.22		10.22	0.000032	0.37	193.24	132.03	0.05
Hempstead Lake	3376.88*	Max WS	71.15	5.37	10.22		10.22	0.000032	0.36	196.30	133.15	0.05
Hempstead Lake	3357.52*	Max WS	71.17	5.34	10.22		10.22	0.000033	0.36	199.05	134.37	0.05
Hempstead Lake	3338.16*	Max WS	71.15	5.32	10.22		10.22	0.000034	0.35	201.99	135.50	0.05
Hempstead Lake	3318.80*	Max WS	71.15	5.29	10.21		10.22	0.000035	0.35	205.35	136.78	0.05
Hempstead Lake	3299.44*	Max WS	71.15	5.26	10.21		10.22	0.000036	0.34	208.05	137.56	0.05
Hempstead Lake	3280.08*	Max WS	71.15	5.23	10.21		10.22	0.000036	0.34	211.00	138.71	0.05
Hempstead Lake	3260.73*	Max WS	71.15	5.21	10.21		10.21	0.000036	0.33	213.88	139.62	0.05
Hempstead Lake	3241.37*	Max WS	71.15	5.18	10.21		10.21	0.000034	0.33	216.91	140.46	0.05
Hempstead Lake	3222.01*	Max WS	71.15	5.15	10.21		10.21	0.000033	0.32	220.00	141.54	0.05
Hempstead Lake	3202.65*	Max WS	71.12	5.12	10.21		10.21	0.000033	0.32	222.97	142.26	0.04
Hempstead Lake	3183.29*	Max WS	71.12	5.10	10.21		10.21	0.000033	0.32	225.55	143.08	0.04
Hempstead Lake	3163.93*	Max WS	71.15	5.07	10.21		10.21	0.000033	0.31	228.47	143.71	0.04
Hempstead Lake	3144.581	Max WS	71.12	5.04	10.21		10.21	0.000019	0.31	231.39	144.48	0.04
Hempstead Lake	3124.73*	Max WS	71.12	5.01	10.21		10.21	0.000021	0.30	234.49	145.66	0.04
Hempstead Lake	3104.89*	Max WS	71.12	4.98	10.21		10.21	0.000020	0.30	237.62	146.99	0.04
Hempstead Lake	3085.04*	Max WS	71.11	4.95	10.21		10.21	0.000019	0.29	241.58	148.41	0.04
Hempstead Lake	3065.2*	Max WS	71.11	4.92	10.21		10.21	0.000018	0.29	245.09	149.40	0.04
Hempstead Lake	3045.35*	Max WS	71.11	4.88	10.21		10.21	0.000017	0.29	249.13	150.90	0.04
Hempstead Lake	3025.51*	Max WS	71.11	4.85	10.21		10.21	0.000016	0.28	253.38	152.20	0.04
Hempstead Lake	3005.66*	Max WS	71.11	4.82	10.21		10.21	0.000015	0.28	257.87	153.57	0.04
Hempstead Lake	2985.81*	Max WS	71.11	4.79	10.21		10.21	0.000014	0.27	261.96	154.54	0.04
Hempstead Lake	2965.974	Max WS	71.07	4.76	10.21		10.21	0.000014	0.27	266.24	155.83	0.04
Hempstead Lake	2951.87*	Max WS	71.11	4.74	10.21		10.21	0.000019	0.27	265.93	157.76	0.04
Hempstead Lake	2937.77*	Max WS	71.07	4.72	10.21		10.21	0.000020	0.27	265.84	159.68	0.04
Hempstead Lake	2923.67*	Max WS	71.07	4.70	10.21		10.21	0.000020	0.27	265.71	161.66	0.04
Hempstead Lake	2909.57*	Max WS	71.07	4.68	10.21		10.21	0.000020	0.27	265.56	163.66	0.04
Hempstead Lake	2895.47*	Max WS	71.07	4.66	10.21		10.21	0.000020	0.27	264.91	165.37	0.04
Hempstead Lake	2881.37*	Max WS	71.07	4.64	10.21		10.21	0.000021	0.27	264.48	167.55	0.04
Hempstead Lake	2867.27*	Max WS	71.07	4.62	10.21		10.21	0.000021	0.27	264.56	169.59	0.04
Hempstead Lake	2853.17*	Max WS	71.07	4.61	10.21		10.21	0.000021	0.27	264.19	171.63	0.04
Hempstead Lake	2839.07*	Max WS	71.07	4.59	10.21		10.21	0.000021	0.27	263.52	173.31	0.04
Hempstead Lake	2824.98*	Max WS	71.02	4.57	10.20		10.21	0.000021	0.27	263.36	175.62	0.04
Hempstead Lake	2810.88*	Max WS	71.07	4.55	10.20		10.21	0.000021	0.27	262.55	177.66	0.04
Hempstead Lake	2796.78*	Max WS	71.07	4.53	10.20		10.21	0.000021	0.27	262.14	179.29	0.04
Hempstead Lake	2782.68*	Max WS	71.02	4.51	10.20		10.20	0.000021	0.27	261.88	181.66	0.04

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2768.56*	Max WS	71.02	4.49	10.20		10.20	0.000021	0.27	261.52	183.74	0.04
Hempstead Lake	2754.48*	Max WS	71.02	4.47	10.20		10.20	0.000021	0.27	260.79	185.27	0.04
Hempstead Lake	2740.38*	Max WS	71.01	4.45	10.20		10.20	0.000020	0.27	260.19	187.47	0.04
Hempstead Lake	2726.28*	Max WS	71.01	4.43	10.20		10.20	0.000020	0.27	260.08	189.63	0.04
Hempstead Lake	2712.18*	Max WS	71.01	4.41	10.20		10.20	0.000020	0.27	259.67	191.91	0.04
Hempstead Lake	2698.08*	Max WS	71.01	4.39	10.20		10.20	0.000019	0.27	258.86	193.27	0.04
Hempstead Lake	2683.98*	Max WS	71.01	4.37	10.20		10.20	0.000019	0.27	258.49	195.51	0.04
Hempstead Lake	2669.88*	Max WS	70.96	4.35	10.20		10.20	0.000018	0.27	258.41	197.46	0.04
Hempstead Lake	2655.78*	Max WS	70.95	4.34	10.20		10.20	0.000018	0.28	257.61	198.97	0.04
Hempstead Lake	2641.68*	Max WS	70.95	4.32	10.20		10.20	0.000017	0.28	257.25	200.84	0.04
Hempstead Lake	2627.58*	Max WS	70.95	4.30	10.20		10.20	0.000017	0.28	257.27	202.80	0.04
Hempstead Lake	2613.48*	Max WS	70.95	4.28	10.20		10.20	0.000016	0.28	256.64	203.80	0.04
Hempstead Lake	2599.38*	Max WS	70.95	4.26	10.20		10.20	0.000015	0.28	256.55	205.47	0.04
Hempstead Lake	2585.29*	Max WS	70.95	4.24	10.20		10.20	0.000015	0.28	256.41	207.18	0.04
Hempstead Lake	2571.19*	Max WS	70.95	4.22	10.20		10.20	0.000014	0.28	256.57	208.46	0.04
Hempstead Lake	2557.091	Max WS	70.88	4.20	10.20		10.20	0.000027	0.37	190.34	208.85	0.05
Hempstead Lake	2552.091	Max WS	70.69	4.09	10.19		10.20	0.000066	0.90	78.84	31.24	0.07
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	70.23	4.09	10.15		10.17	0.000054	0.82	85.36	30.38	0.06
Hempstead Lake	2487.091	Max WS	70.36	4.60	10.16		10.16	0.000014	0.20	356.80	318.11	0.03
Hempstead Lake	2477.12*	Max WS	70.36	4.58	10.16		10.16	0.000011	0.20	355.81	313.53	0.03
Hempstead Lake	2467.14*	Max WS	70.36	4.57	10.16		10.16	0.000012	0.20	355.01	308.82	0.03
Hempstead Lake	2457.17*	Max WS	70.36	4.55	10.16		10.16	0.000014	0.20	352.15	304.23	0.03
Hempstead Lake	2447.20*	Max WS	70.36	4.53	10.16		10.16	0.000016	0.20	350.29	299.55	0.03
Hempstead Lake	2437.23*	Max WS	70.36	4.51	10.16		10.16	0.000031	0.20	348.35	295.16	0.03
Hempstead Lake	2427.26*	Max WS	70.36	4.50	10.16		10.16	0.000031	0.20	345.40	290.51	0.03
Hempstead Lake	2417.29*	Max WS	70.36	4.48	10.16		10.16	0.000031	0.21	342.61	286.00	0.03
Hempstead Lake	2407.32*	Max WS	70.29	4.46	10.16		10.16	0.000022	0.21	340.38	281.62	0.03
Hempstead Lake	2397.35*	Max WS	70.29	4.44	10.16		10.16	0.000022	0.21	336.80	262.17	0.03
Hempstead Lake	2387.37*	Max WS	70.29	4.43	10.16		10.16	0.000021	0.21	335.08	253.25	0.03
Hempstead Lake	2377.40*	Max WS	70.29	4.41	10.16		10.16	0.000020	0.21	333.41	245.64	0.03
Hempstead Lake	2367.43*	Max WS	70.29	4.39	10.16		10.16	0.000020	0.21	331.26	238.42	0.03
Hempstead Lake	2357.46*	Max WS	70.28	4.37	10.16		10.16	0.000019	0.21	330.48	233.02	0.03
Hempstead Lake	2347.49*	Max WS	70.28	4.36	10.16		10.16	0.000018	0.21	329.63	228.39	0.03
Hempstead Lake	2337.52*	Max WS	70.28	4.34	10.16		10.16	0.000018	0.21	328.92	224.89	0.03
Hempstead Lake	2327.55*	Max WS	70.21	4.32	10.16		10.16	0.000017	0.21	329.29	221.87	0.03
Hempstead Lake	2317.58*	Max WS	70.20	4.30	10.16		10.16	0.000017	0.21	330.78	220.52	0.03
Hempstead Lake	2307.60*	Max WS	70.20	4.29	10.16		10.16	0.000016	0.21	332.61	219.97	0.03
Hempstead Lake	2297.63*	Max WS	70.20	4.27	10.16		10.16	0.000015	0.21	336.10	221.92	0.03
Hempstead Lake	2287.66*	Max WS	70.20	4.25	10.16		10.16	0.000014	0.21	340.32	247.49	0.03
Hempstead Lake	2277.69*	Max WS	70.20	4.23	10.16		10.16	0.000012	0.20	346.60	273.34	0.03
Hempstead Lake	2267.72*	Max WS	70.20	4.22	10.16		10.16	0.000010	0.20	354.41	300.34	0.02
Hempstead Lake	2257.752	Max WS	70.20	4.20	10.16		10.16	0.000009	0.19	364.49	326.96	0.02
Hempstead Lake	2252.75*	Max WS	70.20	4.10	10.16		10.16	0.000035	0.27	261.77	317.14	0.03
Hempstead Lake	2247.752	Max WS	70.03	4.00	10.15		10.16	0.000017	0.55	126.53	306.32	0.04
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	69.07	3.80	10.12		10.12	0.000008	0.31	223.67	62.26	0.03
Hempstead Lake	2192.75*	Max WS	69.07	3.75	10.12		10.12	0.000005	0.20	338.44	114.50	0.02
Hempstead Lake	2187.752	Max WS	69.07	3.70	10.12		10.12	0.000003	0.19	484.81	236.37	0.02
Hempstead Lake	2178.63*	Max WS	69.06	3.72	10.12		10.12	0.000004	0.20	443.30	227.21	0.02
Hempstead Lake	2169.52*	Max WS	69.06	3.74	10.12		10.12	0.000004	0.20	403.49	217.86	0.02
Hempstead Lake	2160.40*	Max WS	69.06	3.76	10.12		10.12	0.000004	0.21	366.30	208.34	0.02
Hempstead Lake	2151.29*	Max WS	69.06	3.78	10.12		10.12	0.000004	0.22	331.35	191.87	0.02
Hempstead Lake	2142.17*	Max WS	69.06	3.80	10.12		10.12	0.000005	0.22	308.72	120.02	0.02
Hempstead Lake	2133.05*	Max WS	69.06	3.82	10.12		10.12	0.000005	0.23	302.11	92.33	0.02
Hempstead Lake	2123.94*	Max WS	69.06	3.83	10.12		10.12	0.000005	0.23	296.51	90.46	0.02
Hempstead Lake	2114.82*	Max WS	69.06	3.85	10.12		10.12	0.000005	0.24	290.51	88.76	0.02
Hempstead Lake	2105.71*	Max WS	69.06	3.87	10.12		10.12	0.000005	0.24	284.95	87.25	0.02
Hempstead Lake	2096.59*	Max WS	69.06	3.89	10.12		10.12	0.000005	0.25	278.81	85.79	0.02
Hempstead Lake	2087.48*	Max WS	69.06	3.91	10.12		10.12	0.000006	0.25	272.96	84.44	0.02
Hempstead Lake	2078.36*	Max WS	69.06	3.93	10.12		10.12	0.000006	0.26	266.67	82.84	0.03
Hempstead Lake	2069.25*	Max WS	68.97	3.95	10.12		10.12	0.000006	0.26	261.07	80.62	0.03
Hempstead Lake	2060.13*	Max WS	69.06	3.97	10.12		10.12	0.000006	0.27	255.32	78.49	0.03
Hempstead Lake	2051.01*	Max WS	68.97	3.99	10.12		10.12	0.000007	0.28	250.18	76.52	0.03
Hempstead Lake	2041.90*	Max WS	68.97	4.01	10.12		10.12	0.000007	0.28	244.84	74.59	0.03
Hempstead Lake	2032.78*	Max WS	68.97	4.03	10.12		10.12	0.000007	0.29	240.12	72.83	0.03
Hempstead Lake	2023.67*	Max WS	68.97	4.05	10.12		10.12	0.000007	0.29	235.29	71.13	0.03
Hempstead Lake	2014.55*	Max WS	68.97	4.07	10.12		10.12	0.000008	0.30	230.89	69.56	0.03
Hempstead Lake	2005.44*	Max WS	68.97	4.08	10.12		10.12	0.000008	0.30	226.27	67.97	0.03
Hempstead Lake	1996.32*	Max WS	68.97	4.10	10.12		10.12	0.000008	0.31	222.17	66.53	0.03
Hempstead Lake	1987.20*	Max WS	68.97	4.12	10.11		10.12	0.000009	0.32	217.84	65.12	0.03
Hempstead Lake	1978.09*	Max WS	68.97	4.14	10.11		10.12	0.000009	0.32	213.89	63.81	0.03
Hempstead Lake	1968.97*	Max WS	68.97	4.16	10.11		10.12	0.000009	0.33	209.67	62.48	0.03
Hempstead Lake	1959.86*	Max WS	68.87	4.18	10.11		10.12	0.000010	0.33	205.94	61.27	0.03
Hempstead Lake	1950.747	Max WS	68.87	4.20	10.11		10.12	0.000010	0.34	201.96	60.06	0.03
Hempstead Lake	1945.747	Max WS	68.59	4.21	10.11		10.12	0.000042	0.73	93.45	17.69	0.06
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	66.38	4.50	10.07		10.08	0.000065	0.85	78.02	14.00	0.06
Hempstead Lake	1880.747	Max WS	66.81	4.45	10.08		10.08	0.000002	0.15	439.90	135.48	0.01
Hempstead Lake	1848.83*	Max WS	66.91	2.70	10.08		10.08	0.000000	0.04	1682.59	407.88	0.00
Hempstead Lake	1816.92*	Max WS	66.91	0.95	10.08		10.08	0.000000	0.02	3776.34	634.96	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	1785.01*	Max WS	66.91	-0.80	10.08		10.08	0.000000	0.01	6457.29	828.15	0.00
Hempstead Lake	1753.104	Max WS	66.79	-2.55	10.08		10.08	0.000000	0.01	9680.43	1010.40	0.00
Hempstead Lake	1732.65*	Max WS	66.91	-2.75	10.08		10.08	0.000000	0.01	9708.61	1017.48	0.00
Hempstead Lake	1712.21*	Max WS	66.77	-2.95	10.08		10.08	0.000000	0.01	9754.33	1028.49	0.00
Hempstead Lake	1691.76*	Max WS	66.76	-3.14	10.08		10.08	0.000000	0.01	9822.33	1043.86	0.00
Hempstead Lake	1671.32*	Max WS	66.75	-3.34	10.08		10.08	0.000000	0.01	9918.15	1065.63	0.00
Hempstead Lake	1650.87*	Max WS	66.74	-3.54	10.08		10.08	0.000000	0.01	10049.70	1091.98	0.00
Hempstead Lake	1630.434	Max WS	66.73	-3.74	10.08		10.08	0.000000	0.01	10257.93	1189.77	0.00
Hempstead Lake	1610.36*	Max WS	66.91	-3.49	10.08		10.08	0.000000	0.01	9772.05	1164.27	0.00
Hempstead Lake	1590.30*	Max WS	66.91	-3.23	10.08		10.08	0.000000	0.01	9305.68	1093.74	0.00
Hempstead Lake	1570.23*	Max WS	66.90	-2.98	10.08		10.08	0.000000	0.01	8860.79	1049.94	0.00
Hempstead Lake	1550.17*	Max WS	66.90	-2.73	10.08		10.08	0.000000	0.01	8429.16	1025.91	0.00
Hempstead Lake	1530.10*	Max WS	66.69	-2.47	10.08		10.08	0.000000	0.01	8005.57	1000.84	0.00
Hempstead Lake	1510.03*	Max WS	66.90	-2.22	10.08		10.08	0.000000	0.01	7592.67	975.16	0.00
Hempstead Lake	1489.97*	Max WS	66.90	-1.96	10.08		10.08	0.000000	0.01	7190.88	948.53	0.00
Hempstead Lake	1469.90*	Max WS	66.67	-1.71	10.08		10.08	0.000000	0.01	6800.41	920.83	0.00
Hempstead Lake	1449.83*	Max WS	66.66	-1.46	10.08		10.08	0.000000	0.01	6423.16	892.22	0.00
Hempstead Lake	1429.77*	Max WS	66.90	-1.20	10.08		10.08	0.000000	0.01	6056.08	861.95	0.00
Hempstead Lake	1409.707	Max WS	66.90	-0.95	10.08		10.08	0.000000	0.01	5702.66	830.62	0.00
Hempstead Lake	1389.03*	Max WS	2199.37	-0.98	10.07		10.08	0.000004	0.39	5718.14	831.89	0.03
Hempstead Lake	1368.35*	Max WS	2199.36	-1.00	10.07		10.08	0.000004	0.39	5735.88	832.48	0.03
Hempstead Lake	1347.67*	Max WS	2199.36	-1.03	10.07		10.08	0.000004	0.38	5754.58	832.77	0.02
Hempstead Lake	1326.99*	Max WS	2199.36	-1.06	10.07		10.08	0.000004	0.38	5772.35	832.58	0.02
Hempstead Lake	1306.32*	Max WS	2199.36	-1.08	10.07		10.08	0.000004	0.38	5788.09	832.40	0.02
Hempstead Lake	1285.64*	Max WS	2199.36	-1.11	10.07		10.08	0.000004	0.38	5804.08	831.82	0.02
Hempstead Lake	1264.96*	Max WS	2199.35	-1.14	10.07		10.08	0.000004	0.38	5819.25	831.38	0.02
Hempstead Lake	1244.28*	Max WS	2199.35	-1.16	10.07		10.08	0.000004	0.38	5834.48	830.69	0.02
Hempstead Lake	1223.61*	Max WS	2199.35	-1.19	10.07		10.08	0.000004	0.38	5849.12	830.35	0.02
Hempstead Lake	1202.93*	Max WS	2199.35	-1.22	10.07		10.08	0.000004	0.38	5862.17	829.78	0.02
Hempstead Lake	1182.25*	Max WS	2199.34	-1.24	10.07		10.07	0.000004	0.38	5875.24	829.43	0.02
Hempstead Lake	1161.57*	Max WS	2199.34	-1.27	10.07		10.07	0.000004	0.38	5887.47	829.12	0.02
Hempstead Lake	1140.90*	Max WS	2199.34	-1.30	10.07		10.07	0.000004	0.38	5899.59	828.69	0.02
Hempstead Lake	1120.22*	Max WS	2199.33	-1.32	10.07		10.07	0.000004	0.38	5912.08	828.54	0.02
Hempstead Lake	1099.54*	Max WS	2199.33	-1.35	10.07		10.07	0.000004	0.38	5922.84	828.21	0.02
Hempstead Lake	1078.87*	Max WS	2199.33	-1.38	10.07		10.07	0.000004	0.38	5932.34	828.24	0.02
Hempstead Lake	1058.19*	Max WS	2199.33	-1.40	10.07		10.07	0.000004	0.38	5943.92	828.34	0.02
Hempstead Lake	1037.515	Max WS	2199.33	-1.43	10.07		10.07	0.000004	0.38	5953.80	828.72	0.02
Hempstead Lake	1017.08*	Max WS	2209.29	-1.35	10.07		10.07	0.000004	0.38	5964.85	822.99	0.02
Hempstead Lake	996.645*	Max WS	2209.28	-1.28	10.07		10.07	0.000005	0.38	5975.48	817.39	0.02
Hempstead Lake	976.210*	Max WS	2209.28	-1.20	10.07		10.07	0.000006	0.38	5983.94	811.30	0.02
Hempstead Lake	955.775*	Max WS	2209.28	-1.13	10.07		10.07	0.000007	0.38	5991.94	805.19	0.02
Hempstead Lake	935.340*	Max WS	2209.27	-1.05	10.07		10.07	0.000008	0.38	5997.62	799.05	0.02
Hempstead Lake	914.905*	Max WS	2209.27	-0.98	10.07		10.07	0.000010	0.38	6002.44	792.64	0.02
Hempstead Lake	894.471*	Max WS	2209.27	-0.90	10.07		10.07	0.000011	0.38	6005.29	786.26	0.02
Hempstead Lake	874.036*	Max WS	2209.27	-0.83	10.07		10.07	0.000012	0.38	6006.97	780.00	0.02
Hempstead Lake	853.601*	Max WS	2209.26	-0.75	10.07		10.07	0.000013	0.38	6007.52	774.19	0.02
Hempstead Lake	833.166*	Max WS	2209.26	-0.68	10.07		10.07	0.000015	0.38	6005.13	769.14	0.02
Hempstead Lake	812.731*	Max WS	2209.26	-0.60	10.07		10.07	0.000016	0.38	6002.55	764.03	0.02
Hempstead Lake	792.296*	Max WS	2209.25	-0.53	10.07		10.07	0.000017	0.38	5998.98	760.39	0.02
Hempstead Lake	771.862	Max WS	2209.25	-0.45	10.07		10.07	0.000003	0.39	5993.29	757.32	0.02
Hempstead Lake	750.331*	Max WS	2212.92	-0.53	10.07		10.07	0.000019	0.40	5718.34	731.85	0.02
Hempstead Lake	728.8*	Max WS	2212.92	-0.61	10.07		10.07	0.000019	0.42	5464.07	713.26	0.02
Hempstead Lake	707.269*	Max WS	2212.91	-0.69	10.07		10.07	0.000019	0.43	5234.23	689.25	0.03
Hempstead Lake	685.738*	Max WS	2212.91	-0.77	10.07		10.07	0.000018	0.45	5034.94	660.89	0.03
Hempstead Lake	664.207*	Max WS	2212.91	-0.85	10.07		10.07	0.000017	0.46	4866.30	641.35	0.03
Hempstead Lake	642.676*	Max WS	2212.90	-0.93	10.07		10.07	0.000017	0.48	4723.32	624.02	0.03
Hempstead Lake	621.145*	Max WS	2212.90	-1.02	10.07		10.07	0.000015	0.49	4602.86	608.12	0.03
Hempstead Lake	599.614*	Max WS	2212.90	-1.10	10.07		10.07	0.000013	0.50	4506.01	593.34	0.03
Hempstead Lake	578.083*	Max WS	2212.90	-1.18	10.06		10.07	0.000011	0.50	4431.07	577.18	0.03
Hempstead Lake	556.552*	Max WS	2212.89	-1.26	10.06		10.07	0.000010	0.51	4379.55	557.61	0.03
Hempstead Lake	535.021*	Max WS	2212.89	-1.34	10.06		10.07	0.000008	0.51	4353.23	540.78	0.03
Hempstead Lake	513.490	Max WS	2212.89	-1.42	10.06		10.07	0.000006	0.51	4345.28	527.63	0.03
Hempstead Lake	493.038*	Max WS	2222.05	-1.03	10.06		10.07	0.000017	0.57	3875.65	510.66	0.04
Hempstead Lake	472.587*	Max WS	2222.05	-0.65	10.06		10.07	0.000027	0.65	3423.32	493.67	0.04
Hempstead Lake	452.136*	Max WS	2222.05	-0.26	10.06		10.07	0.000043	0.74	2986.62	477.18	0.05
Hempstead Lake	431.685*	Max WS	2222.05	0.12	10.05		10.07	0.000069	0.87	2565.15	463.95	0.06
Hempstead Lake	411.234*	Max WS	2222.04	0.51	10.05		10.06	0.000112	1.03	2157.82	450.44	0.08
Hempstead Lake	390.783*	Max WS	2222.04	0.90	10.04		10.06	0.000190	1.26	1763.04	436.25	0.11
Hempstead Lake	370.332*	Max WS	2222.04	1.28	10.02		10.06	0.000322	1.61	1382.42	421.14	0.16
Hempstead Lake	349.881*	Max WS	2222.04	1.67	9.97		10.05	0.000530	2.20	1012.01	395.21	0.24
Hempstead Lake	329.430*	Max WS	2222.03	2.05	9.90		10.05	0.000756	3.13	710.30	198.12	0.29
Hempstead Lake	308.979*	Max WS	2222.03	2.44	9.84		10.02	0.000939	3.43	647.60	131.27	0.27
Hempstead Lake	288.528*	Max WS	2222.03	2.83	9.79		10.00	0.001202	3.70	600.36	124.27	0.30
Hempstead Lake	268.077*	Max WS	2222.03	3.21	9.72		9.97	0.001564	3.99	556.74	118.16	0.32
Hempstead Lake	247.626*	Max WS	2222.03	3.60	9.65		9.94	0.002016	4.32	513.77	112.72	0.36
Hempstead Lake	227.175*	Max WS	2222.03	3.98	9.55		9.89	0.002459	4.71	471.84	107.89	0.40
Hempstead Lake	206.724	Max WS	2222.03	4.37	9.43		9.85	0.001672	5.17	429.82	103.74	0.45
Hempstead Lake	201.724	Max WS	2222.03	4.37	9.60	6.76	9.84	0.000783	3.89	570.99	115.42	0.31
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	2222.03	1.00	4.95		5.30	0.001602	4.82	470.19	125.20	0.43
Hempstead Lake	166.724	Max WS	2222.03	1.00	4.94	3.26	5.29	0.001611	4.83	469.42	125.18	0.43

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS EXIST 100 YR 8/26/15

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	33.06	33.03	0.03	0.00			1376.88		497.21
Hempstead Lake	15523.7*	Max WS	33.06	33.03	0.03	0.01		0.00	1372.98		502.42
Hempstead Lake	15503.5*	Max WS	33.05	33.02	0.02	0.01		0.03	1365.21		507.58
Hempstead Lake	15483.3*	Max WS	33.04	33.02	0.02	0.01		0.10	1357.42		512.93
Hempstead Lake	15463.0*	Max WS	33.03	33.01	0.02	0.01		0.22	1353.46		518.69
Hempstead Lake	15442.8*	Max WS	33.03	33.01	0.02	0.01		0.37	1349.47		525.01
Hempstead Lake	15422.5*	Max WS	33.02	33.00	0.02	0.01		0.57	1341.67		532.68
Hempstead Lake	15402.3*	Max WS	33.02	33.00	0.02	0.01		0.80	1337.64		539.87
Hempstead Lake	15382.1*	Max WS	33.01	32.99	0.02	0.00		1.08	1333.59		543.21
Hempstead Lake	15361.8*	Max WS	33.01	32.99	0.02	0.00		1.36	1329.55		546.58
Hempstead Lake	15341.6*	Max WS	33.01	32.99	0.02	0.00		1.69	1329.21		549.97
Hempstead Lake	15321.4*	Max WS	33.00	32.99	0.01	0.00		1.64	1098.64	226.87	553.44
Hempstead Lake	15301.1*	Max WS	33.00	32.98	0.01	0.00		1.89	1098.17	223.36	556.93
Hempstead Lake	15280.9*	Max WS	32.99	32.98	0.01	0.00		2.19	1096.94	220.57	560.49
Hempstead Lake	15260.7*	Max WS	32.99	32.98	0.01	0.00		2.41	1070.59	214.02	564.09
Hempstead Lake	15240.4*	Max WS	32.99	32.98	0.01	0.00		2.67	1070.71	213.61	567.74
Hempstead Lake	15220.2*	Max WS	32.99	32.97	0.01	0.00		3.03	1070.01	213.93	571.41
Hempstead Lake	15200.02	Max WS	32.99	32.97	0.01	0.00		3.27	1066.24	215.15	575.07
Hempstead Lake	15180.7*	Max WS	32.99	32.98	0.01	0.00		4.00	1119.17	163.75	592.72
Hempstead Lake	15161.4*	Max WS	32.98	32.98	0.01	0.00		4.92	1178.55	128.75	610.59
Hempstead Lake	15142.1*	Max WS	32.98	32.98	0.01	0.00		5.76	1208.89	101.18	628.71
Hempstead Lake	15122.8*	Max WS	32.98	32.98	0.01	0.00		6.60	1225.91	79.70	647.18
Hempstead Lake	15103.5*	Max WS	32.98	32.98	0.00	0.00		7.56	1240.98	63.67	666.15
Hempstead Lake	15084.2*	Max WS	32.98	32.98	0.00	0.00		8.97	1303.24		685.97
Hempstead Lake	15064.9*	Max WS	32.98	32.98	0.00	0.00		9.99	1305.77		706.99
Hempstead Lake	15045.6*	Max WS	32.98	32.98	0.00	0.00		11.01	1304.74		718.55
Hempstead Lake	15026.4*	Max WS	32.98	32.98	0.00	0.00		12.17	1303.56		731.96
Hempstead Lake	15007.1*	Max WS	32.98	32.98	0.00	0.00		13.38	1302.33		752.09
Hempstead Lake	14987.82	Max WS	32.98	32.98	0.00	0.00		5.89	1309.80		775.21
Hempstead Lake	14966.6*	Max WS	32.98	32.98	0.00	0.00		5.89	1321.83		762.74
Hempstead Lake	14945.4*	Max WS	32.98	32.98	0.00	0.00		3.60	1324.10		732.28
Hempstead Lake	14924.3*	Max WS	32.98	32.98	0.00	0.00		2.32	1321.95		723.18
Hempstead Lake	14903.1*	Max WS	32.98	32.98	0.00	0.00		1.42	1326.23		724.45
Hempstead Lake	14882.*	Max WS	32.98	32.98	0.00	0.00		0.82	1323.43		722.06
Hempstead Lake	14860.8*	Max WS	32.98	32.98	0.00	0.00		0.45	1323.80		711.95
Hempstead Lake	14839.6*	Max WS	32.98	32.98	0.00	0.00		0.23	1327.36		678.54
Hempstead Lake	14818.5*	Max WS	32.98	32.98	0.00	0.00		0.09	1327.48		680.59
Hempstead Lake	14797.35	Max WS	32.98	32.98	0.00	0.00		0.01	1327.54		699.23
Hempstead Lake	14777.4*	Max WS	32.98	32.98	0.00	0.00		0.05	1324.20		713.30
Hempstead Lake	14757.4*	Max WS	32.98	32.98	0.00	0.00		0.09	1324.16		727.44
Hempstead Lake	14737.5*	Max WS	32.98	32.98	0.00	0.00		0.12	1327.35		741.63
Hempstead Lake	14717.5*	Max WS	32.98	32.98	0.00	0.00		0.17	1324.06		755.79
Hempstead Lake	14697.6*	Max WS	32.98	32.98	0.00	0.00		0.23	1324.00		770.05
Hempstead Lake	14677.6*	Max WS	32.98	32.98	0.00	0.00		0.31	1327.09		784.42
Hempstead Lake	14657.7*	Max WS	32.98	32.98	0.00	0.00		0.39	1323.84		798.85
Hempstead Lake	14637.7*	Max WS	32.98	32.98	0.00	0.00		0.48	1323.74		813.30
Hempstead Lake	14617.8*	Max WS	32.98	32.98	0.00	0.00		0.57	1323.64		827.84
Hempstead Lake	14597.8*	Max WS	32.98	32.98	0.00	0.00		0.68	1323.52		842.53
Hempstead Lake	14577.9*	Max WS	32.98	32.98	0.00	0.00		0.79	1326.47		857.28
Hempstead Lake	14557.9*	Max WS	32.98	32.98	0.00	0.00		0.91	1323.28		872.80
Hempstead Lake	14538.0*	Max WS	32.98	32.98	0.00	0.00		1.02	1323.16		889.50
Hempstead Lake	14518.0*	Max WS	32.98	32.98	0.00	0.00		1.18	1323.00		906.15
Hempstead Lake	14498.1*	Max WS	32.98	32.98	0.00	0.00		1.36	1322.81		922.61
Hempstead Lake	14478.1*	Max WS	32.98	32.98	0.00	0.00		1.61	1322.56		938.88
Hempstead Lake	14458.2*	Max WS	32.98	32.98	0.00	0.00		1.87	1322.28		955.08
Hempstead Lake	14438.2*	Max WS	32.98	32.98	0.00	0.00		2.09	1322.05		971.11
Hempstead Lake	14418.3*	Max WS	32.98	32.98	0.00	0.00		2.37	1321.77		986.94
Hempstead Lake	14398.37	Max WS	32.98	32.98	0.00	0.00		1.15	1322.97		1002.72
Hempstead Lake	14378.3*	Max WS	32.98	32.98	0.00	0.00		1.19	1322.93		988.62
Hempstead Lake	14358.3*	Max WS	32.98	32.98	0.00	0.00		1.22	1322.88		974.47
Hempstead Lake	14338.2*	Max WS	32.98	32.98	0.00	0.00		1.27	1322.83		960.44
Hempstead Lake	14318.2*	Max WS	32.98	32.98	0.00	0.00		1.31	1322.78		946.46
Hempstead Lake	14298.2*	Max WS	32.98	32.98	0.00	0.00		1.35	1325.43		932.50
Hempstead Lake	14278.1*	Max WS	32.98	32.98	0.00	0.00		1.41	1322.67		918.35
Hempstead Lake	14258.1*	Max WS	32.98	32.98	0.00	0.00		1.47	1322.59		904.06
Hempstead Lake	14238.1*	Max WS	32.98	32.98	0.00	0.00		1.55	1322.51		899.99
Hempstead Lake	14218.0*	Max WS	32.98	32.98	0.00	0.00		1.61	1322.43		904.30
Hempstead Lake	14198.0*	Max WS	32.98	32.98	0.00	0.00		1.68	1322.34		906.87
Hempstead Lake	14178.0*	Max WS	32.98	32.98	0.00	0.00		1.75	1322.26		907.32
Hempstead Lake	14157.9*	Max WS	32.98	32.98	0.00	0.00		1.82	1322.18		907.46
Hempstead Lake	14137.9*	Max WS	32.98	32.98	0.00	0.00		1.83	1322.16		908.28
Hempstead Lake	14117.9*	Max WS	32.98	32.98	0.00	0.00		1.83	1322.14		906.48

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	32.98	32.98	0.00	0.00		1.94	1322.03		900.15
Hempstead Lake	14077.8*	Max WS	32.98	32.98	0.00	0.00		2.08	1321.87		894.22
Hempstead Lake	14057.8*	Max WS	32.98	32.98	0.00	0.00		2.32	1321.62		885.67
Hempstead Lake	14037.7*	Max WS	32.98	32.98	0.00	0.00		2.60	1321.32		875.09
Hempstead Lake	14017.75	Max WS	32.98	32.98	0.00	0.00		2.95	1320.97		862.74
Hempstead Lake	13998.2*	Max WS	32.98	32.98	0.00	0.00		8.64	1315.25		874.65
Hempstead Lake	13978.6*	Max WS	32.98	32.98	0.00	0.00		8.81	1315.07		886.42
Hempstead Lake	13959.1*	Max WS	32.98	32.98	0.00	0.00		8.91	1314.96		898.18
Hempstead Lake	13939.6*	Max WS	32.98	32.98	0.00	0.00		9.17	1314.68		909.61
Hempstead Lake	13920.0*	Max WS	32.98	32.98	0.00	0.00		9.47	1314.36		921.20
Hempstead Lake	13900.5*	Max WS	32.98	32.98	0.00	0.00		10.19	1313.62		932.31
Hempstead Lake	13881.*	Max WS	32.98	32.98	0.00	0.00		10.99	1312.80		943.38
Hempstead Lake	13861.4*	Max WS	32.98	32.98	0.00	0.00		11.96	1311.81		953.61
Hempstead Lake	13841.9*	Max WS	32.98	32.98	0.00	0.00		12.65	1308.92		960.42
Hempstead Lake	13822.3*	Max WS	32.98	32.98	0.00	0.00		13.10	1308.46		965.96
Hempstead Lake	13802.8*	Max WS	32.98	32.98	0.00	0.00		13.56	1308.00		968.65
Hempstead Lake	13783.3*	Max WS	32.98	32.98	0.00	0.00		13.98	1307.57		975.13
Hempstead Lake	13763.7*	Max WS	32.98	32.98	0.00	0.00		14.09	1307.45		986.43
Hempstead Lake	13744.2*	Max WS	32.98	32.97	0.00	0.00		14.87	1306.67		888.87
Hempstead Lake	13724.7*	Max WS	32.98	32.97	0.00	0.00		15.24	1306.28		849.23
Hempstead Lake	13705.1*	Max WS	32.98	32.97	0.00	0.00		15.36	1306.14		790.50
Hempstead Lake	13685.63	Max WS	32.98	32.97	0.00	0.00		6.23	1315.26		782.88
Hempstead Lake	13666.4*	Max WS	32.98	32.97	0.00	0.00		3.31	1317.99	0.16	801.67
Hempstead Lake	13647.1*	Max WS	32.98	32.97	0.00	0.00		2.66	1318.38	0.41	854.18
Hempstead Lake	13627.9*	Max WS	32.98	32.97	0.00	0.00		2.07	1317.54	1.83	901.21
Hempstead Lake	13608.7*	Max WS	32.98	32.97	0.00	0.00		1.59	1315.55	4.28	1067.97
Hempstead Lake	13589.5*	Max WS	32.98	32.97	0.00	0.00		1.11	1313.08	7.21	1076.10
Hempstead Lake	13570.2*	Max WS	32.98	32.97	0.00	0.00		0.73	1310.22	10.44	1074.11
Hempstead Lake	13551.0*	Max WS	32.98	32.97	0.00	0.00		0.43	1306.79	14.14	1067.64
Hempstead Lake	13531.8*	Max WS	32.98	32.97	0.00	0.00		0.21	1303.56	17.57	1056.01
Hempstead Lake	13512.6*	Max WS	32.98	32.97	0.00	0.00		0.08	1300.32	20.91	1038.70
Hempstead Lake	13493.3*	Max WS	32.98	32.97	0.00	0.00		0.01	1297.09	24.18	1011.67
Hempstead Lake	13474.1*	Max WS	32.98	32.97	0.00	0.00			1294.00	27.27	958.73
Hempstead Lake	13454.9*	Max WS	32.98	32.97	0.00	0.00			1290.38	30.86	882.17
Hempstead Lake	13435.72	Max WS	32.98	32.97	0.00	0.00			1245.29	75.94	829.06
Hempstead Lake	13419.3*	Max WS	32.98	32.97	0.00	0.00			1292.79	28.42	819.37
Hempstead Lake	13403.0*	Max WS	32.98	32.97	0.00	0.00		0.00	1296.70	24.48	943.10
Hempstead Lake	13386.6*	Max WS	32.98	32.97	0.00	0.00		0.00	1301.09	20.08	950.18
Hempstead Lake	13370.3*	Max WS	32.98	32.97	0.00	0.00		0.00	1305.70	15.44	932.96
Hempstead Lake	13354.*	Max WS	32.98	32.97	0.00	0.00		0.00	1309.51	11.61	922.06
Hempstead Lake	13337.6*	Max WS	32.98	32.97	0.00	0.00		0.01	1312.83	8.26	916.44
Hempstead Lake	13321.3*	Max WS	32.98	32.97	0.00	0.00		0.01	1315.61	5.46	916.81
Hempstead Lake	13304.9*	Max WS	32.98	32.97	0.00	0.00		0.02	1317.77	3.28	915.82
Hempstead Lake	13288.6*	Max WS	32.98	32.97	0.00	0.00		0.04	1319.29	1.72	911.87
Hempstead Lake	13272.29	Max WS	32.97	32.97	0.00	0.00		0.04	1320.40	0.58	907.60
Hempstead Lake	13255.0*	Max WS	32.97	32.97	0.00	0.00		0.04	1320.25	0.72	924.78
Hempstead Lake	13237.8*	Max WS	32.97	32.97	0.00	0.00		0.03	1320.15	0.80	940.81
Hempstead Lake	13220.5*	Max WS	32.97	32.97	0.00	0.00		0.03	1320.03	0.89	972.95
Hempstead Lake	13203.3*	Max WS	32.97	32.97	0.00	0.00		0.03	1318.65	0.97	1011.29
Hempstead Lake	13186.0*	Max WS	32.97	32.97	0.00	0.00		0.03	1319.78	1.10	1108.46
Hempstead Lake	13168.8*	Max WS	32.97	32.97	0.00	0.00		0.03	1319.62	1.22	1173.32
Hempstead Lake	13151.6*	Max WS	32.97	32.97	0.00	0.00		0.03	1319.46	1.35	1170.73
Hempstead Lake	13134.3*	Max WS	32.97	32.97	0.00	0.00		0.04	1319.30	1.49	1169.65
Hempstead Lake	13117.1*	Max WS	32.97	32.97	0.00	0.00		0.04	1318.01	1.62	1168.46
Hempstead Lake	13099.8*	Max WS	32.97	32.97	0.00	0.00		0.04	1319.00	1.72	1167.36
Hempstead Lake	13082.6*	Max WS	32.97	32.97	0.00	0.00		0.04	1318.84	1.85	1166.28
Hempstead Lake	13065.3*	Max WS	32.97	32.97	0.00	0.00		0.05	1318.67	1.98	1165.25
Hempstead Lake	13048.1*	Max WS	32.97	32.97	0.00	0.00		0.05	1318.50	2.12	1164.24
Hempstead Lake	13030.9*	Max WS	32.97	32.97	0.00	0.00		0.05	1318.34	2.25	1163.22
Hempstead Lake	13013.6*	Max WS	32.97	32.97	0.00	0.00		0.05	1318.17	2.38	1162.17
Hempstead Lake	12996.4*	Max WS	32.97	32.97	0.00	0.00		0.05	1317.14	2.50	1161.26
Hempstead Lake	12979.1*	Max WS	32.97	32.97	0.00	0.00		0.05	1317.85	2.64	1160.21
Hempstead Lake	12961.9*	Max WS	32.97	32.97	0.00	0.00		0.06	1317.67	2.79	1159.25
Hempstead Lake	12944.7*	Max WS	32.97	32.97	0.00	0.00		0.06	1317.45	2.98	1158.31
Hempstead Lake	12927.4*	Max WS	32.97	32.97	0.00	0.00		0.06	1317.24	3.15	1157.36
Hempstead Lake	12910.2*	Max WS	32.97	32.97	0.00	0.00		0.06	1317.02	3.34	1156.46
Hempstead Lake	12892.97	Max WS	32.97	32.97	0.00	0.00		0.05	1314.70	5.64	1155.51
Hempstead Lake	12881.0*	Max WS	32.97	32.97	0.00	0.00		0.07	1533.37	3.16	1155.00
Hempstead Lake	12869.1*	Max WS	32.97	32.97	0.00	0.00		0.09	1534.45	3.27	1154.43
Hempstead Lake	12857.1*	Max WS	32.97	32.97	0.00	0.00		0.12	1534.29	3.38	1153.93
Hempstead Lake	12845.2*	Max WS	32.97	32.97	0.00	0.00		0.14	1534.13	3.50	1153.36
Hempstead Lake	12833.3*	Max WS	32.97	32.97	0.00	0.00		0.17	1532.83	3.60	1152.79

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	32.97	32.97	0.00	0.00		0.19	1533.82	3.71	1153.72
Hempstead Lake	12809.4*	Max WS	32.97	32.97	0.00	0.00		0.21	1532.56	3.83	1155.33
Hempstead Lake	12797.5*	Max WS	32.97	32.97	0.00	0.00		0.25	1533.48	3.95	1156.42
Hempstead Lake	12785.6*	Max WS	32.97	32.97	0.00	0.00		0.29	1533.30	4.06	1156.99
Hempstead Lake	12773.7*	Max WS	32.97	32.97	0.00	0.00		0.34	1533.12	4.18	1157.06
Hempstead Lake	12761.7*	Max WS	32.97	32.97	0.00	0.00		0.40	1532.91	4.29	1156.97
Hempstead Lake	12749.8*	Max WS	32.97	32.97	0.00	0.00		0.46	1532.70	4.42	1156.59
Hempstead Lake	12737.9*	Max WS	32.97	32.97	0.00	0.00		0.52	1531.54	4.54	1156.21
Hempstead Lake	12726.0*	Max WS	32.97	32.97	0.00	0.00		0.60	1532.27	4.66	1155.55
Hempstead Lake	12714.0*	Max WS	32.97	32.97	0.00	0.00		0.67	1532.06	4.78	1154.79
Hempstead Lake	12702.1*	Max WS	32.97	32.97	0.00	0.00		0.75	1531.83	4.90	1154.00
Hempstead Lake	12690.2*	Max WS	32.97	32.97	0.00	0.00		0.83	1531.61	5.02	1153.13
Hempstead Lake	12678.3*	Max WS	32.97	32.97	0.00	0.00		0.91	1531.36	5.16	1152.25
Hempstead Lake	12666.3*	Max WS	32.97	32.97	0.00	0.00		1.00	1531.12	5.29	1151.22
Hempstead Lake	12654.4*	Max WS	32.97	32.97	0.00	0.00		1.09	1530.88	5.41	1150.17
Hempstead Lake	12642.5*	Max WS	32.97	32.97	0.00	0.00		1.19	1530.64	5.54	1149.19
Hempstead Lake	12630.6*	Max WS	32.97	32.97	0.00	0.00		1.28	1530.39	5.66	1148.05
Hempstead Lake	12618.6*	Max WS	32.97	32.97	0.00	0.00		1.38	1530.13	5.80	1146.97
Hempstead Lake	12606.7*	Max WS	32.97	32.97	0.00	0.00		1.48	1529.21	5.92	1145.77
Hempstead Lake	12594.8*	Max WS	32.97	32.97	0.00	0.00		1.58	1529.63	6.06	1144.71
Hempstead Lake	12582.9*	Max WS	32.97	32.97	0.00	0.00		1.68	1529.37	6.19	1143.47
Hempstead Lake	12570.9*	Max WS	32.97	32.97	0.00	0.00		1.79	1528.50	6.32	1142.22
Hempstead Lake	12559.0*	Max WS	32.97	32.97	0.00	0.00		1.89	1528.84	6.46	1141.04
Hempstead Lake	12547.1*	Max WS	32.97	32.97	0.00	0.00		2.00	1528.58	6.58	1139.82
Hempstead Lake	12535.2*	Max WS	32.97	32.97	0.00	0.00		2.10	1528.33	6.72	1138.58
Hempstead Lake	12523.27	Max WS	32.97	32.97	0.00	0.00		2.22	1528.41	6.50	1137.31
Hempstead Lake	12515.8*	Max WS	32.97	32.97	0.00	0.00		4.99	1591.95	5.73	1126.58
Hempstead Lake	12508.3*	Max WS	32.97	32.97	0.00	0.00		5.43	1592.54	4.68	1115.65
Hempstead Lake	12500.9*	Max WS	32.97	32.97	0.00	0.00		5.82	1593.11	3.70	1104.80
Hempstead Lake	12493.4*	Max WS	32.97	32.97	0.00	0.00		6.22	1593.01	2.78	1095.82
Hempstead Lake	12486.0*	Max WS	32.97	32.97	0.00	0.00		6.79	1593.85	1.96	1087.08
Hempstead Lake	12478.5*	Max WS	32.97	32.97	0.00	0.00		7.23	1593.54	1.25	1077.92
Hempstead Lake	12471.1*	Max WS	32.97	32.97	0.00	0.00		7.63	1594.28	0.67	1068.56
Hempstead Lake	12463.7*	Max WS	32.97	32.97	0.00	0.00		8.29	1594.00	0.27	1056.48
Hempstead Lake	12456.2*	Max WS	32.97	32.97	0.00	0.00		8.75	1593.19	0.08	1036.99
Hempstead Lake	12448.8*	Max WS	32.97	32.97	0.00	0.00		9.17	1593.36	0.02	1019.21
Hempstead Lake	12441.3*	Max WS	32.97	32.97	0.00	0.00		9.90	1592.62	0.00	1009.59
Hempstead Lake	12433.9*	Max WS	32.97	32.97	0.00	0.00		10.55	1591.97		1001.53
Hempstead Lake	12426.4*	Max WS	32.97	32.97	0.00	0.00		11.01	1591.49		993.98
Hempstead Lake	12419.0*	Max WS	32.97	32.97	0.00	0.00		11.77	1590.24		986.79
Hempstead Lake	12411.5*	Max WS	32.97	32.97	0.00	0.00		12.27	1590.20		979.65
Hempstead Lake	12404.1*	Max WS	32.97	32.97	0.00	0.00		12.74	1589.27		972.59
Hempstead Lake	12396.6*	Max WS	32.97	32.97	0.00	0.00		13.18	1589.27		965.64
Hempstead Lake	12389.2*	Max WS	32.97	32.97	0.00	0.00		14.06	1588.38		958.64
Hempstead Lake	12381.8*	Max WS	32.97	32.97	0.00	0.00		14.75	1587.26		951.63
Hempstead Lake	12374.3*	Max WS	32.97	32.97	0.00	0.00		15.14	1586.86		944.70
Hempstead Lake	12366.9*	Max WS	32.97	32.97	0.00	0.00		15.99	1586.41		937.62
Hempstead Lake	12359.46	Max WS	32.97	32.97	0.00	0.00		6.97	1595.03		930.52
Hempstead Lake	12350.7*	Max WS	32.97	32.97	0.00	0.00		17.24	1628.04		919.55
Hempstead Lake	12342.0*	Max WS	32.97	32.97	0.00	0.00		17.68	1627.12		908.61
Hempstead Lake	12333.3*	Max WS	32.97	32.97	0.00	0.00		18.10	1627.15		897.55
Hempstead Lake	12324.7*	Max WS	32.97	32.97	0.00	0.00		18.06	1627.17		886.66
Hempstead Lake	12316.0*	Max WS	32.97	32.97	0.00	0.00		18.56	1626.66		875.79
Hempstead Lake	12307.3*	Max WS	32.97	32.97	0.00	0.00		19.08	1626.13		864.93
Hempstead Lake	12298.6*	Max WS	32.97	32.97	0.00	0.00		19.64	1625.55		853.49
Hempstead Lake	12289.9*	Max WS	32.97	32.97	0.00	0.00		20.00	1624.81		842.15
Hempstead Lake	12281.2*	Max WS	32.97	32.97	0.00	0.00		20.61	1624.19		830.85
Hempstead Lake	12272.5*	Max WS	32.97	32.97	0.00	0.00		20.69	1624.11		819.55
Hempstead Lake	12263.8*	Max WS	32.97	32.97	0.00	0.00		21.35	1623.79		808.26
Hempstead Lake	12255.1*	Max WS	32.97	32.97	0.00	0.00		21.88	1623.25		798.83
Hempstead Lake	12246.4*	Max WS	32.97	32.97	0.00	0.00		22.43	1622.37		790.25
Hempstead Lake	12237.7*	Max WS	32.97	32.97	0.00	0.00		23.01	1621.79		781.53
Hempstead Lake	12229.1*	Max WS	32.97	32.97	0.00	0.00		23.61	1621.19		774.55
Hempstead Lake	12220.4*	Max WS	32.97	32.97	0.00	0.00		23.77	1621.30		767.23
Hempstead Lake	12211.7*	Max WS	32.97	32.97	0.00	0.00		24.65	1620.14		759.12
Hempstead Lake	12203.0*	Max WS	32.97	32.97	0.00	0.00		25.65	1619.15		750.51
Hempstead Lake	12194.3*	Max WS	32.97	32.97	0.00	0.00		26.96	1617.83		738.01
Hempstead Lake	12185.6*	Max WS	32.97	32.97	0.00	0.00		28.45	1616.34		724.45
Hempstead Lake	12176.9*	Max WS	32.97	32.97	0.00	0.00		30.04	1614.97		710.90
Hempstead Lake	12168.2*	Max WS	32.97	32.97	0.00	0.00		30.83	1614.17		697.34
Hempstead Lake	12159.5*	Max WS	32.97	32.97	0.00	0.00		32.46	1612.33		683.77
Hempstead Lake	12150.8*	Max WS	32.97	32.97	0.00	0.00		34.10	1610.68		670.23

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	32.97	32.97	0.00	0.00		32.14	1612.64		656.66
Hempstead Lake	12133.5*	Max WS	32.97	32.97	0.00	0.00		33.51	1611.44		643.11
Hempstead Lake	12124.8*	Max WS	32.97	32.97	0.00	0.00		34.88	1610.07		629.54
Hempstead Lake	12116.1*	Max WS	32.97	32.97	0.00	0.00		35.78	1609.16		615.99
Hempstead Lake	12107.4*	Max WS	32.97	32.97	0.00	0.00		37.06	1607.72		602.41
Hempstead Lake	12098.7*	Max WS	32.97	32.97	0.00	0.00		38.32	1606.59		588.84
Hempstead Lake	12090.0*	Max WS	32.97	32.97	0.00	0.00		39.63	1605.27		575.27
Hempstead Lake	12081.3*	Max WS	32.97	32.97	0.00	0.00		40.88	1604.02		561.66
Hempstead Lake	12072.6*	Max WS	32.97	32.97	0.00	0.00		42.12	1602.66		548.10
Hempstead Lake	12063.9*	Max WS	32.97	32.97	0.00	0.00		42.80	1602.07		534.50
Hempstead Lake	12055.2*	Max WS	32.97	32.97	0.00	0.00		42.87	1601.91		520.90
Hempstead Lake	12046.5*	Max WS	32.97	32.97	0.00	0.00		43.90	1600.96		507.31
Hempstead Lake	12037.9*	Max WS	32.97	32.97	0.00	0.00		44.80	1599.98		493.69
Hempstead Lake	12029.2*	Max WS	32.97	32.97	0.00	0.00		45.60	1599.18		480.08
Hempstead Lake	12020.5*	Max WS	32.97	32.97	0.00	0.00		46.28	1598.50		466.43
Hempstead Lake	12011.8*	Max WS	32.97	32.97	0.00	0.00		46.26	1598.51		452.75
Hempstead Lake	12003.1*	Max WS	32.97	32.97	0.01	0.00		46.52	1598.31		439.07
Hempstead Lake	11994.45	Max WS	32.97	32.96	0.01	0.00			1661.47		425.27
Hempstead Lake	11989.45	Max WS	33.02	32.85	0.17				1661.47		422.37
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	32.77	32.43	0.34	0.00			1661.34		412.28
Hempstead Lake	11964.45	Max WS	32.47	32.45	0.01	0.00		21.55	1639.79		413.69
Hempstead Lake	11954.6*	Max WS	32.45	32.44	0.01	0.00		11.89	1649.45		415.52
Hempstead Lake	11944.8*	Max WS	32.44	32.43	0.01	0.00		10.64	1650.70		417.38
Hempstead Lake	11934.9*	Max WS	32.43	32.42	0.01	0.00		9.12	1652.21		419.32
Hempstead Lake	11925.1*	Max WS	32.42	32.41	0.02	0.00		7.50	1653.83		421.18
Hempstead Lake	11915.3*	Max WS	32.41	32.39	0.02	0.00		7.73	1653.59		423.06
Hempstead Lake	11905.5*	Max WS	32.40	32.38	0.02	0.00		5.14	1656.18		424.93
Hempstead Lake	11895.6*	Max WS	32.39	32.37	0.02	0.00		2.66	1658.65		426.81
Hempstead Lake	11885.8*	Max WS	32.38	32.35	0.02	0.00		0.70	1660.61		428.68
Hempstead Lake	11876.0*	Max WS	32.52	32.34	0.18	0.00			1661.31		381.48
Hempstead Lake	11866.2*	Max WS	32.51	32.32	0.19	0.01			1661.31		342.74
Hempstead Lake	11856.4*	Max WS	32.50	32.31	0.19	0.01			1661.31		323.61
Hempstead Lake	11846.5*	Max WS	32.48	32.27	0.20	0.01			1661.31		319.68
Hempstead Lake	11836.7*	Max WS	32.47	32.26	0.21	0.00			1661.31		315.89
Hempstead Lake	11826.9*	Max WS	32.47	32.26	0.21	0.00			1661.31		311.51
Hempstead Lake	11817.1*	Max WS	32.47	32.26	0.21	0.00			1661.30		305.57
Hempstead Lake	11807.2*	Max WS	32.46	32.26	0.21	0.00			1661.31		296.12
Hempstead Lake	11797.46	Max WS	32.46	32.26	0.20	0.00			1661.30		285.59
Hempstead Lake	11792.46	Max WS	32.46	32.32	0.14				1661.30		279.12
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	30.79	30.53	0.26	0.00			1661.30		47.12
Hempstead Lake	11627.46	Max WS	30.79	30.54	0.25	0.00			1661.30		52.83
Hempstead Lake	11623.2*	Max WS	30.79	30.52	0.27	0.00			1661.30		54.91
Hempstead Lake	11619.1*	Max WS	30.79	30.49	0.29	0.00			1661.30		64.02
Hempstead Lake	11614.94	Max WS	30.78	30.42	0.36	0.00			1661.30		69.66
Hempstead Lake	11612.94	Max WS	30.78	30.42	0.36				1661.30		72.46
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	29.30	29.30	0.00	0.00			65.84		67.72
Hempstead Lake	11598.94	Max WS	29.30	29.30	0.00	0.00			66.88		66.83
Hempstead Lake	11573.9*	Max WS	29.30	29.30	0.00	0.00			68.24		90.74
Hempstead Lake	11548.9*	Max WS	29.30	29.30	0.00	0.00			68.81		114.62
Hempstead Lake	11523.9*	Max WS	29.30	29.30	0.00	0.00			68.52		138.59
Hempstead Lake	11498.9*	Max WS	29.30	29.30	0.00	0.00			69.10		179.99
Hempstead Lake	11473.9*	Max WS	29.30	29.30	0.00	0.00			68.81		225.94
Hempstead Lake	11448.9*	Max WS	29.30	29.30	0.00	0.00			69.09		271.65
Hempstead Lake	11423.9*	Max WS	29.30	29.30	0.00	0.00			69.38		306.96
Hempstead Lake	11398.9*	Max WS	29.30	29.30	0.00	0.00		0.17	68.93		614.67
Hempstead Lake	11373.9*	Max WS	29.30	29.30	0.00	0.00		1.60	67.78		819.50
Hempstead Lake	11349.*	Max WS	29.30	29.30	0.00	0.00		4.59	64.22		909.89
Hempstead Lake	11324.*	Max WS	29.30	29.30	0.00	0.00		8.90	60.77		990.37
Hempstead Lake	11299.0*	Max WS	29.30	29.30	0.00	0.00		13.42	55.67		1070.07
Hempstead Lake	11274.0*	Max WS	29.30	29.30	0.00	0.00		18.19	50.90		1147.28
Hempstead Lake	11249.0*	Max WS	29.30	29.30	0.00	0.00		23.33	46.04		1225.56
Hempstead Lake	11224.0*	Max WS	29.30	29.30	0.00	0.00		27.91	41.46		1303.07
Hempstead Lake	11199.0*	Max WS	29.30	29.30	0.00	0.00		32.22	37.15		1379.20
Hempstead Lake	11174.0*	Max WS	29.30	29.30	0.00	0.00		36.08	33.02		1454.53
Hempstead Lake	11149.0*	Max WS	29.30	29.30	0.00	0.00		40.24	28.85		1525.23
Hempstead Lake	11124.0*	Max WS	29.30	29.30	0.00	0.00		43.94	25.69		1593.92
Hempstead Lake	11099.0*	Max WS	29.30	29.30	0.00	0.00		47.02	22.62		1661.73
Hempstead Lake	11074.0*	Max WS	29.30	29.30	0.00	0.00		49.78	19.31		1729.28
Hempstead Lake	11049.07	Max WS	29.30	29.30	0.00	0.00		38.09	30.99		1796.60

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	29.30	29.30	0.00	0.00		50.34	19.02		1776.49
Hempstead Lake	11027.7*	Max WS	29.30	29.30	0.00	0.00		48.83	20.52		1756.28
Hempstead Lake	11017.0*	Max WS	29.30	29.30	0.00	0.00		46.55	22.53		1736.13
Hempstead Lake	11006.4*	Max WS	29.30	29.30	0.00	0.00		44.63	24.99		1715.83
Hempstead Lake	10995.7*	Max WS	29.30	29.30	0.00	0.00		42.56	26.79		1695.67
Hempstead Lake	10985.0*	Max WS	29.30	29.30	0.00	0.00		40.06	29.29		1675.02
Hempstead Lake	10974.4*	Max WS	29.30	29.30	0.00	0.00		37.96	31.38		1651.54
Hempstead Lake	10963.7*	Max WS	29.30	29.30	0.00	0.00		34.99	33.84		1627.69
Hempstead Lake	10953.1*	Max WS	29.30	29.30	0.00	0.00		32.57	37.04		1603.95
Hempstead Lake	10942.4*	Max WS	29.30	29.30	0.00	0.00		30.02	39.32		1580.57
Hempstead Lake	10931.7*	Max WS	29.30	29.30	0.00	0.00		27.19	42.41		1557.03
Hempstead Lake	10921.1*	Max WS	29.30	29.30	0.00	0.00		24.33	45.53		1534.11
Hempstead Lake	10910.4*	Max WS	29.30	29.30	0.00	0.00		21.62	47.72		1511.29
Hempstead Lake	10899.7*	Max WS	29.30	29.30	0.00	0.00		18.74	50.59		1488.74
Hempstead Lake	10889.1*	Max WS	29.30	29.30	0.00	0.00		16.02	53.57		1467.97
Hempstead Lake	10878.4*	Max WS	29.30	29.30	0.00	0.00		13.59	55.74		1449.01
Hempstead Lake	10867.8*	Max WS	29.30	29.30	0.00	0.00		11.13	58.46		1430.28
Hempstead Lake	10857.1*	Max WS	29.30	29.30	0.00	0.00		9.04	60.54		1411.38
Hempstead Lake	10846.4*	Max WS	29.30	29.30	0.00	0.00		7.01	62.83		1392.60
Hempstead Lake	10835.8*	Max WS	29.30	29.30	0.00	0.00		5.19	64.39		1373.74
Hempstead Lake	10825.1*	Max WS	29.30	29.30	0.00	0.00		3.75	65.58		1354.99
Hempstead Lake	10814.4*	Max WS	29.30	29.30	0.00	0.00		2.48	66.60		1336.38
Hempstead Lake	10803.8*	Max WS	29.30	29.30	0.00	0.00		1.52	68.30		1317.65
Hempstead Lake	10793.1*	Max WS	29.30	29.30	0.00	0.00		0.80	68.77		1299.16
Hempstead Lake	10782.4*	Max WS	29.30	29.30	0.00	0.00		0.36	69.21		1245.74
Hempstead Lake	10771.8*	Max WS	29.30	29.30	0.00	0.00		0.09	69.48		1157.67
Hempstead Lake	10761.1*	Max WS	29.30	29.30	0.00	0.00		0.01	69.32		998.48
Hempstead Lake	10750.5*	Max WS	29.30	29.30	0.00	0.00			69.33		872.49
Hempstead Lake	10739.8*	Max WS	29.30	29.30	0.00	0.00			69.81		860.48
Hempstead Lake	10729.1*	Max WS	29.30	29.30	0.00	0.00			69.57		839.12
Hempstead Lake	10718.5*	Max WS	29.30	29.30	0.00	0.00			69.56		839.19
Hempstead Lake	10707.8*	Max WS	29.30	29.30	0.00	0.00			69.56		839.52
Hempstead Lake	10697.1*	Max WS	29.30	29.30	0.00	0.00			69.80		840.30
Hempstead Lake	10686.5*	Max WS	29.30	29.30	0.00	0.00			69.56		841.33
Hempstead Lake	10675.8*	Max WS	29.30	29.30	0.00	0.00			69.32		841.56
Hempstead Lake	10665.2*	Max WS	29.30	29.30	0.00	0.00			69.32		840.94
Hempstead Lake	10654.5*	Max WS	29.30	29.30	0.00	0.00			69.56		840.52
Hempstead Lake	10643.8*	Max WS	29.30	29.30	0.00	0.00			69.55		840.19
Hempstead Lake	10633.2*	Max WS	29.30	29.30	0.00	0.00			69.55		840.22
Hempstead Lake	10622.5*	Max WS	29.30	29.30	0.00	0.00			69.55		840.44
Hempstead Lake	10611.8*	Max WS	29.30	29.30	0.00	0.00			69.09		840.89
Hempstead Lake	10601.2*	Max WS	29.30	29.30	0.00	0.00			69.55		841.44
Hempstead Lake	10590.5*	Max WS	29.30	29.30	0.00	0.00			69.78		842.29
Hempstead Lake	10579.8*	Max WS	29.30	29.30	0.00	0.00			69.55		843.26
Hempstead Lake	10569.23	Max WS	29.30	29.30	0.00	0.00			69.32		844.44
Hempstead Lake	10549.1*	Max WS	29.30	29.30	0.00	0.00			69.77		848.84
Hempstead Lake	10529.0*	Max WS	29.30	29.30	0.00	0.00			69.77		853.59
Hempstead Lake	10508.9*	Max WS	29.30	29.30	0.00	0.00			69.55		858.63
Hempstead Lake	10488.7*	Max WS	29.30	29.30	0.00	0.00			69.32		864.04
Hempstead Lake	10468.6*	Max WS	29.30	29.30	0.00	0.00			69.77		869.64
Hempstead Lake	10448.5*	Max WS	29.30	29.30	0.00	0.00			69.54		875.69
Hempstead Lake	10428.4*	Max WS	29.30	29.30	0.00	0.00			69.54		882.01
Hempstead Lake	10408.3*	Max WS	29.30	29.30	0.00	0.00			69.32		888.76
Hempstead Lake	10388.2*	Max WS	29.30	29.30	0.00	0.00			69.32		892.36
Hempstead Lake	10368.1*	Max WS	29.30	29.30	0.00	0.00			69.76		894.29
Hempstead Lake	10348.0*	Max WS	29.30	29.30	0.00	0.00			69.54		896.02
Hempstead Lake	10327.9*	Max WS	29.30	29.30	0.00	0.00			69.32		897.56
Hempstead Lake	10307.8*	Max WS	29.30	29.30	0.00	0.00			69.75		899.00
Hempstead Lake	10287.7*	Max WS	29.30	29.30	0.00	0.00			69.53		900.44
Hempstead Lake	10267.6*	Max WS	29.30	29.30	0.00	0.00			69.53		901.69
Hempstead Lake	10247.4*	Max WS	29.30	29.30	0.00	0.00			69.53		902.80
Hempstead Lake	10227.3*	Max WS	29.30	29.30	0.00	0.00			69.74		903.92
Hempstead Lake	10207.2*	Max WS	29.30	29.30	0.00	0.00			69.53		905.10
Hempstead Lake	10187.1*	Max WS	29.30	29.30	0.00	0.00			69.95		906.04
Hempstead Lake	10167.0*	Max WS	29.30	29.30	0.00	0.00			69.53		907.23
Hempstead Lake	10146.9*	Max WS	29.30	29.30	0.00	0.00			69.53		908.35
Hempstead Lake	10126.8*	Max WS	29.30	29.30	0.00	0.00			69.95		909.55
Hempstead Lake	10106.7*	Max WS	29.30	29.30	0.00	0.00			69.74		910.59
Hempstead Lake	10086.6*	Max WS	29.30	29.30	0.00	0.00			69.53		911.52
Hempstead Lake	10066.5*	Max WS	29.30	29.30	0.00	0.00			69.73		912.47
Hempstead Lake	10046.4*	Max WS	29.30	29.30	0.00	0.00			69.73		913.07
Hempstead Lake	10026.2*	Max WS	29.30	29.30	0.00	0.00			69.33		913.93

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	29.30	29.30	0.00	0.00			69.73		914.56
Hempstead Lake	9986.073	Max WS	29.30	29.30	0.00	0.00			69.73		915.10
Hempstead Lake	9946.44*	Max WS	29.30	29.30	0.00	0.00			69.72		913.03
Hempstead Lake	9906.81*	Max WS	29.30	29.30	0.00	0.00			69.92		910.24
Hempstead Lake	9867.19*	Max WS	29.30	29.30	0.00	0.00			69.72		906.76
Hempstead Lake	9827.56*	Max WS	29.30	29.30	0.00	0.00			69.91		902.74
Hempstead Lake	9787.93*	Max WS	29.30	29.30	0.00	0.00			69.91		898.14
Hempstead Lake	9748.31*	Max WS	29.30	29.30	0.00	0.00			69.52		893.12
Hempstead Lake	9708.68*	Max WS	29.30	29.30	0.00	0.00			69.34		887.59
Hempstead Lake	9669.05*	Max WS	29.30	29.30	0.00	0.00			69.52		881.57
Hempstead Lake	9629.43*	Max WS	29.30	29.30	0.00	0.00			69.71		875.27
Hempstead Lake	9589.80*	Max WS	29.30	29.30	0.00	0.00			69.71		868.66
Hempstead Lake	9550.17*	Max WS	29.30	29.30	0.00	0.00			69.70		861.76
Hempstead Lake	9510.55*	Max WS	29.30	29.30	0.00	0.00			69.70		854.64
Hempstead Lake	9470.92*	Max WS	29.30	29.30	0.00	0.00			69.88		847.17
Hempstead Lake	9431.29*	Max WS	29.30	29.30	0.00	0.00			69.70		839.59
Hempstead Lake	9391.67*	Max WS	29.30	29.30	0.00	0.00			69.87		831.79
Hempstead Lake	9352.04*	Max WS	29.30	29.30	0.00	0.00			69.87		824.41
Hempstead Lake	9312.41*	Max WS	29.30	29.30	0.00	0.00			69.70		817.45
Hempstead Lake	9272.79*	Max WS	29.30	29.30	0.00	0.00			69.69		810.44
Hempstead Lake	9233.16*	Max WS	29.30	29.30	0.00	0.00			69.86		803.42
Hempstead Lake	9193.53*	Max WS	29.30	29.30	0.00	0.00			69.69		796.64
Hempstead Lake	9153.910	Max WS	29.30	29.30	0.00	0.00			69.69		789.61
Hempstead Lake	9115.80*	Max WS	29.30	29.30	0.00	0.00			71.69		795.32
Hempstead Lake	9077.70*	Max WS	29.30	29.30	0.00	0.00			71.68		800.91
Hempstead Lake	9039.60*	Max WS	29.30	29.30	0.00	0.00			72.01		806.29
Hempstead Lake	9001.50*	Max WS	29.30	29.30	0.00	0.00			71.85		811.51
Hempstead Lake	8963.40*	Max WS	29.30	29.30	0.00	0.00			71.84		816.62
Hempstead Lake	8925.30*	Max WS	29.30	29.30	0.00	0.00			71.68		821.48
Hempstead Lake	8887.19*	Max WS	29.30	29.30	0.00	0.00			71.84		826.11
Hempstead Lake	8849.09*	Max WS	29.30	29.30	0.00	0.00			71.83		830.52
Hempstead Lake	8810.99*	Max WS	29.30	29.30	0.00	0.00			71.83		835.06
Hempstead Lake	8772.89*	Max WS	29.30	29.30	0.00	0.00			71.68		839.33
Hempstead Lake	8734.79*	Max WS	29.30	29.30	0.00	0.00			71.82		843.41
Hempstead Lake	8696.69*	Max WS	29.30	29.30	0.00	0.00			71.97		847.13
Hempstead Lake	8658.59*	Max WS	29.30	29.30	0.00	0.00			71.82		850.01
Hempstead Lake	8620.48*	Max WS	29.30	29.30	0.00	0.00			71.68		852.84
Hempstead Lake	8582.38*	Max WS	29.30	29.30	0.00	0.00			71.82		855.48
Hempstead Lake	8544.28*	Max WS	29.30	29.30	0.00	0.00			71.81		858.36
Hempstead Lake	8506.18*	Max WS	29.30	29.30	0.00	0.00			71.95		861.17
Hempstead Lake	8468.08*	Max WS	29.30	29.30	0.00	0.00			71.81		863.35
Hempstead Lake	8429.980	Max WS	29.30	29.30	0.00	0.00			71.67		865.06
Hempstead Lake	8391.45*	Max WS	29.30	29.30	0.00	0.00			71.94		878.87
Hempstead Lake	8352.92*	Max WS	29.30	29.30	0.00	0.00			71.80		892.98
Hempstead Lake	8314.39*	Max WS	29.30	29.30	0.00	0.00			71.93		907.40
Hempstead Lake	8275.85*	Max WS	29.30	29.30	0.00	0.00			71.92		922.21
Hempstead Lake	8237.32*	Max WS	29.30	29.30	0.00	0.00			71.67		937.51
Hempstead Lake	8198.79*	Max WS	29.30	29.30	0.00	0.00			71.92		953.15
Hempstead Lake	8160.26*	Max WS	29.30	29.30	0.00	0.00			71.79		969.33
Hempstead Lake	8121.73*	Max WS	29.30	29.30	0.00	0.00			71.67		985.53
Hempstead Lake	8083.20*	Max WS	29.30	29.30	0.00	0.00			71.78		1001.44
Hempstead Lake	8044.67*	Max WS	29.30	29.30	0.00	0.00			71.90		1015.72
Hempstead Lake	8006.14*	Max WS	29.30	29.30	0.00	0.00			71.90		1027.15
Hempstead Lake	7967.61*	Max WS	29.30	29.30	0.00	0.00		0.00	71.78		1037.50
Hempstead Lake	7929.08*	Max WS	29.30	29.30	0.00	0.00		0.00	71.78		1047.18
Hempstead Lake	7890.55*	Max WS	29.30	29.30	0.00	0.00		0.00	71.66		1056.55
Hempstead Lake	7852.02*	Max WS	29.30	29.30	0.00	0.00		0.00	71.77		1065.68
Hempstead Lake	7813.49*	Max WS	29.30	29.30	0.00	0.00		0.00	71.66		1074.51
Hempstead Lake	7774.96*	Max WS	29.30	29.30	0.00	0.00		0.01	71.76		1083.33
Hempstead Lake	7736.43*	Max WS	29.30	29.30	0.00	0.00		0.01	71.65		1091.96
Hempstead Lake	7697.90*	Max WS	29.30	29.30	0.00	0.00		0.01	71.74		1100.46
Hempstead Lake	7659.37*	Max WS	29.30	29.30	0.00	0.00		0.02	71.74		1108.88
Hempstead Lake	7620.84*	Max WS	29.30	29.30	0.00	0.00		0.02	71.83		1117.22
Hempstead Lake	7582.31*	Max WS	29.30	29.30	0.00	0.00		0.03	71.72		1125.57
Hempstead Lake	7543.783	Max WS	29.30	29.30	0.00	0.00		0.03	71.71		1133.78
Hempstead Lake	7505.15*	Max WS	29.30	29.30	0.00	0.00		0.03	73.81		1140.16
Hempstead Lake	7466.53*	Max WS	29.30	29.30	0.00	0.00		0.02	73.64		1146.24
Hempstead Lake	7427.90*	Max WS	29.30	29.30	0.00	0.00		0.02	73.72		1151.91
Hempstead Lake	7389.27*	Max WS	29.30	29.30	0.00	0.00		0.01	73.81		1157.35
Hempstead Lake	7350.65*	Max WS	29.30	29.30	0.00	0.00		0.01	73.80		1162.46
Hempstead Lake	7312.02*	Max WS	29.30	29.30	0.00	0.00		0.01	73.65		1167.03
Hempstead Lake	7273.4*	Max WS	29.30	29.30	0.00	0.00		0.00	73.73		1171.30

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7234.77*	Max WS	29.30	29.30	0.00	0.00		0.00	73.72	0.00	1175.09
Hempstead Lake	7196.14*	Max WS	29.30	29.30	0.00	0.00		0.00	73.80	0.00	1178.22
Hempstead Lake	7157.52*	Max WS	29.30	29.30	0.00	0.00		0.00	73.85	0.00	1180.72
Hempstead Lake	7118.89*	Max WS	29.30	29.30	0.00	0.00			73.71	0.00	1180.39
Hempstead Lake	7080.26*	Max WS	29.30	29.30	0.00	0.00			73.78	0.01	1181.01
Hempstead Lake	7041.64*	Max WS	29.30	29.30	0.00	0.00			73.77	0.01	1182.02
Hempstead Lake	7003.01*	Max WS	29.30	29.30	0.00	0.00			73.76	0.01	1182.31
Hempstead Lake	6964.39*	Max WS	29.30	29.30	0.00	0.00			73.75	0.02	1182.00
Hempstead Lake	6925.76*	Max WS	29.30	29.30	0.00	0.00			73.69	0.02	1181.59
Hempstead Lake	6887.13*	Max WS	29.30	29.30	0.00	0.00			73.64	0.03	1181.27
Hempstead Lake	6848.51*	Max WS	29.30	29.30	0.00	0.00			73.71	0.04	1181.10
Hempstead Lake	6809.88*	Max WS	29.30	29.30	0.00	0.00			73.70	0.04	1181.02
Hempstead Lake	6771.26*	Max WS	29.30	29.30	0.00	0.00		0.00	73.69	0.05	1390.45
Hempstead Lake	6732.634	Max WS	29.30	29.30	0.00	0.00			73.59	0.15	1181.10
Hempstead Lake	6720.73*	Max WS	29.30	29.30	0.00	0.00			73.72	0.06	1179.59
Hempstead Lake	6708.83*	Max WS	29.30	29.30	0.00	0.00			73.65	0.05	1178.09
Hempstead Lake	6696.93*	Max WS	29.30	29.30	0.00	0.00			73.69	0.05	1176.50
Hempstead Lake	6685.03*	Max WS	29.30	29.30	0.00	0.00			73.69	0.05	1174.94
Hempstead Lake	6673.13*	Max WS	29.30	29.30	0.00	0.00			73.66	0.04	1173.37
Hempstead Lake	6661.22*	Max WS	29.30	29.30	0.00	0.00			73.72	0.04	1171.80
Hempstead Lake	6649.32*	Max WS	29.30	29.30	0.00	0.00			73.70	0.04	1170.17
Hempstead Lake	6637.42*	Max WS	29.30	29.30	0.00	0.00			73.70	0.03	1168.52
Hempstead Lake	6625.52*	Max WS	29.30	29.30	0.00	0.00			73.73	0.03	1166.84
Hempstead Lake	6613.62*	Max WS	29.30	29.30	0.00	0.00			73.73	0.03	1165.13
Hempstead Lake	6601.72*	Max WS	29.30	29.30	0.00	0.00			73.68	0.02	1163.40
Hempstead Lake	6589.82*	Max WS	29.30	29.30	0.00	0.00			73.68	0.02	1161.65
Hempstead Lake	6577.92*	Max WS	29.30	29.30	0.00	0.00			73.68	0.02	1159.82
Hempstead Lake	6566.02*	Max WS	29.30	29.30	0.00	0.00			73.70	0.01	1157.98
Hempstead Lake	6554.12*	Max WS	29.30	29.30	0.00	0.00			73.69	0.01	1156.08
Hempstead Lake	6542.22*	Max WS	29.30	29.30	0.00	0.00			73.74	0.01	1154.06
Hempstead Lake	6530.32*	Max WS	29.30	29.30	0.00	0.00			73.67	0.01	1151.99
Hempstead Lake	6518.42*	Max WS	29.30	29.30	0.00	0.00			73.67	0.01	1149.89
Hempstead Lake	6506.52*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1147.65
Hempstead Lake	6494.62*	Max WS	29.30	29.30	0.00	0.00			73.67	0.00	1144.86
Hempstead Lake	6482.71*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1142.39
Hempstead Lake	6470.81*	Max WS	29.30	29.30	0.00	0.00			73.67	0.00	1140.62
Hempstead Lake	6458.91*	Max WS	29.30	29.30	0.00	0.00			73.67	0.00	1138.88
Hempstead Lake	6447.01*	Max WS	29.30	29.30	0.00	0.00			73.67	0.00	1137.22
Hempstead Lake	6435.11*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1135.61
Hempstead Lake	6423.21*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1134.05
Hempstead Lake	6411.31*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1132.55
Hempstead Lake	6399.41*	Max WS	29.30	29.30	0.00	0.00			73.70	0.00	1131.09
Hempstead Lake	6387.51*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1129.64
Hempstead Lake	6375.61*	Max WS	29.30	29.30	0.00	0.00			73.69	0.00	1128.30
Hempstead Lake	6363.71*	Max WS	29.30	29.30	0.00	0.00			73.69		1127.01
Hempstead Lake	6351.81*	Max WS	29.30	29.30	0.00	0.00			73.69		1125.81
Hempstead Lake	6339.91*	Max WS	29.30	29.30	0.00	0.00			73.69		1124.60
Hempstead Lake	6328.01*	Max WS	29.30	29.30	0.00	0.00			73.69		1123.43
Hempstead Lake	6316.10*	Max WS	29.30	29.30	0.00	0.00			73.69		1122.32
Hempstead Lake	6304.20*	Max WS	29.30	29.30	0.00	0.00			73.68		1121.17
Hempstead Lake	6292.30*	Max WS	29.30	29.30	0.00	0.00			73.68		1120.13
Hempstead Lake	6280.40*	Max WS	29.30	29.30	0.00	0.00			73.68		1119.14
Hempstead Lake	6268.507	Max WS	29.30	29.30	0.00	0.00			73.68		1118.24
Hempstead Lake	6258.74*	Max WS	29.30	29.30	0.00	0.00			73.69		2076.29
Hempstead Lake	6248.98*	Max WS	29.30	29.30	0.00	0.00			73.68		1826.20
Hempstead Lake	6239.21*	Max WS	29.30	29.30	0.00	0.00			73.68		1552.88
Hempstead Lake	6229.45*	Max WS	29.30	29.30	0.00	0.00			73.68		1314.49
Hempstead Lake	6219.69*	Max WS	29.30	29.30	0.00	0.00			73.68		889.15
Hempstead Lake	6209.92*	Max WS	29.30	29.30	0.00	0.00			73.68		698.42
Hempstead Lake	6200.16*	Max WS	29.30	29.30	0.00	0.00			73.68		253.65
Hempstead Lake	6190.40*	Max WS	29.30	29.30	0.00	0.00			73.68		226.71
Hempstead Lake	6180.638	Max WS	29.30	29.30	0.00	0.00			73.68		206.01
Hempstead Lake	6177.638	Max WS	29.30	29.30	0.00				73.68		30.00
Hempstead Lake	6175.638		Inl Struct								
Hempstead Lake	6169.638	Max WS	14.33	14.31	0.02	0.00			73.67		20.00
Hempstead Lake	6164.638	Max WS	14.33	14.31	0.02	0.00			73.67		20.00
Hempstead Lake	6162.638	Max WS	14.33	14.31	0.02	0.00			73.67		20.00
Hempstead Lake	6160.638	Max WS	14.33	14.29	0.04				73.67		13.00
Hempstead Lake	6145.638		Culvert								
Hempstead Lake	6130.638	Max WS	13.64	13.53	0.11	0.00			73.54		10.00
Hempstead Lake	6128.638	Max WS	13.64	13.53	0.11	0.02			73.54		10.00
Hempstead Lake	6080.638	Max WS	13.62	13.51	0.11	0.02			73.53		10.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6030.638	Max WS	13.61	13.49	0.12	0.02			73.52		10.00
Hempstead Lake	5980.638	Max WS	13.59	13.47	0.12	0.02			73.51		10.00
Hempstead Lake	5930.638	Max WS	13.57	13.45	0.12	0.02			73.50		10.00
Hempstead Lake	5880.638	Max WS	13.55	13.43	0.12	0.02			73.49		10.00
Hempstead Lake	5830.638	Max WS	13.53	13.41	0.12	0.02			73.47		10.00
Hempstead Lake	5780.638	Max WS	13.51	13.39	0.13	0.02			73.46		10.00
Hempstead Lake	5730.638	Max WS	13.49	13.36	0.13	0.02			73.45		10.00
Hempstead Lake	5680.638	Max WS	13.47	13.34	0.13	0.02			73.43		10.00
Hempstead Lake	5630.638	Max WS	13.45	13.32	0.13	0.02			73.41		10.00
Hempstead Lake	5580.638	Max WS	13.43	13.29	0.13	0.02			73.40		10.00
Hempstead Lake	5530.638	Max WS	13.40	13.26	0.14	0.02			73.38		10.00
Hempstead Lake	5480.638	Max WS	13.38	13.24	0.14	0.02			73.36		10.00
Hempstead Lake	5430.638	Max WS	13.35	13.21	0.14	0.03			73.34		10.00
Hempstead Lake	5380.638	Max WS	13.33	13.18	0.15	0.03			73.32		10.00
Hempstead Lake	5330.638	Max WS	13.30	13.15	0.15	0.00			73.30		10.00
Hempstead Lake	5281.876	Max WS	13.16	13.16	0.00	0.00			73.30		269.25
Hempstead Lake	5264.81*	Max WS	13.16	13.16	0.00	0.00			73.30		281.86
Hempstead Lake	5247.76*	Max WS	13.16	13.16	0.00	0.00			73.30		294.47
Hempstead Lake	5230.70*	Max WS	13.16	13.16	0.00	0.00			73.30		306.92
Hempstead Lake	5213.64*	Max WS	13.16	13.16	0.00	0.00			73.30		323.48
Hempstead Lake	5196.590	Max WS	13.16	13.16	0.00	0.00			73.30		354.32
Hempstead Lake	5179.35*	Max WS	13.16	13.16	0.00	0.00			73.30		349.88
Hempstead Lake	5162.11*	Max WS	13.16	13.16	0.00	0.00			73.30		341.53
Hempstead Lake	5144.87*	Max WS	13.16	13.16	0.00	0.00			73.30		335.33
Hempstead Lake	5127.63*	Max WS	13.16	13.16	0.00	0.00			73.30		333.43
Hempstead Lake	5110.39*	Max WS	13.16	13.16	0.00	0.00			73.30		334.33
Hempstead Lake	5093.16*	Max WS	13.16	13.16	0.00	0.00			73.30		338.16
Hempstead Lake	5075.922	Max WS	13.16	13.16	0.00	0.00			73.30		338.90
Hempstead Lake	5055.96*	Max WS	13.16	13.16	0.00	0.00			73.30		336.62
Hempstead Lake	5036.01*	Max WS	13.16	13.16	0.00	0.00			73.30		345.64
Hempstead Lake	5016.05*	Max WS	13.16	13.16	0.00	0.00			73.30		373.97
Hempstead Lake	4996.10*	Max WS	13.16	13.16	0.00	0.00			73.30		436.16
Hempstead Lake	4976.14*	Max WS	13.16	13.16	0.00	0.00			73.30		555.95
Hempstead Lake	4956.192	Max WS	13.16	13.16	0.00	0.00			73.30		561.46
Hempstead Lake	4936.44*	Max WS	13.16	13.16	0.00	0.00			73.30		576.89
Hempstead Lake	4916.69*	Max WS	13.16	13.16	0.00	0.00			73.30		594.39
Hempstead Lake	4896.94*	Max WS	13.16	13.16	0.00	0.00			73.30		638.30
Hempstead Lake	4877.19*	Max WS	13.16	13.16	0.00	0.00			73.30		678.45
Hempstead Lake	4857.44*	Max WS	13.16	13.16	0.00	0.00			73.30		719.21
Hempstead Lake	4837.697	Max WS	13.16	13.16	0.00	0.00			73.30		760.03
Hempstead Lake	4817.64*	Max WS	13.16	13.16	0.00	0.00			75.30		761.54
Hempstead Lake	4797.59*	Max WS	13.16	13.16	0.00	0.00			75.30		762.02
Hempstead Lake	4777.53*	Max WS	13.16	13.16	0.00	0.00			75.30		762.31
Hempstead Lake	4757.48*	Max WS	13.16	13.16	0.00	0.00			75.30		762.23
Hempstead Lake	4737.42*	Max WS	13.16	13.16	0.00	0.00			75.30		762.09
Hempstead Lake	4717.37*	Max WS	13.16	13.16	0.00	0.00			75.30		761.82
Hempstead Lake	4697.32*	Max WS	13.16	13.16	0.00	0.00			75.30		762.60
Hempstead Lake	4677.26*	Max WS	13.16	13.16	0.00	0.00		0.00	75.30		764.90
Hempstead Lake	4657.21*	Max WS	13.16	13.16	0.00	0.00		0.00	75.30		767.99
Hempstead Lake	4637.16*	Max WS	13.16	13.16	0.00	0.00		0.01	75.29		771.85
Hempstead Lake	4617.10*	Max WS	13.16	13.16	0.00	0.00		0.04	75.26		776.83
Hempstead Lake	4597.05*	Max WS	13.16	13.16	0.00	0.00		0.08	75.22		783.09
Hempstead Lake	4577.*	Max WS	13.16	13.16	0.00	0.00		0.16	75.14		785.88
Hempstead Lake	4556.94*	Max WS	13.16	13.16	0.00	0.00		0.28	75.02		787.53
Hempstead Lake	4536.893	Max WS	13.16	13.16	0.00	0.00		0.31	74.99		788.98
Hempstead Lake	4516.70*	Max WS	13.16	13.16	0.00	0.00		0.61	76.69		787.90
Hempstead Lake	4496.51*	Max WS	13.16	13.16	0.00	0.00		0.66	76.64		787.54
Hempstead Lake	4476.32*	Max WS	13.16	13.16	0.00	0.00		0.69	76.61		788.13
Hempstead Lake	4456.14*	Max WS	13.16	13.16	0.00	0.00		0.74	76.56		789.72
Hempstead Lake	4435.95*	Max WS	13.16	13.16	0.00	0.00		0.79	76.51		792.60
Hempstead Lake	4415.76*	Max WS	13.16	13.16	0.00	0.00		0.82	76.48		797.09
Hempstead Lake	4395.57*	Max WS	13.16	13.16	0.00	0.00		0.87	76.43		803.97
Hempstead Lake	4375.38*	Max WS	13.16	13.16	0.00	0.00		0.89	76.41		807.76
Hempstead Lake	4355.20*	Max WS	13.16	13.16	0.00	0.00		0.94	76.36		811.57
Hempstead Lake	4335.01*	Max WS	13.16	13.16	0.00	0.00		0.98	76.31		813.77
Hempstead Lake	4314.82*	Max WS	13.16	13.16	0.00	0.00		1.00	76.30		814.64
Hempstead Lake	4294.63*	Max WS	13.16	13.16	0.00	0.00		1.04	76.26	0.00	815.37
Hempstead Lake	4274.44*	Max WS	13.16	13.16	0.00	0.00		1.05	76.25	0.00	816.00
Hempstead Lake	4254.26*	Max WS	13.16	13.16	0.00	0.00		1.09	76.21	0.01	816.05
Hempstead Lake	4234.07*	Max WS	13.16	13.16	0.00	0.00		1.12	76.16	0.02	815.89
Hempstead Lake	4213.88*	Max WS	13.16	13.16	0.00	0.00		1.12	76.14	0.03	815.64
Hempstead Lake	4193.69*	Max WS	13.16	13.16	0.00	0.00		1.16	76.08	0.05	815.24

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4173.50*	Max WS	13.16	13.16	0.00	0.00		1.16	76.06	0.08	814.73
Hempstead Lake	4153.320	Max WS	13.16	13.16	0.00	0.00		0.48	76.70	0.11	814.12
Hempstead Lake	4131.85*	Max WS	13.16	13.16	0.00	0.00		0.93	78.25	0.12	811.37
Hempstead Lake	4110.36*	Max WS	13.16	13.16	0.00	0.00		0.72	78.45	0.13	808.35
Hempstead Lake	4088.91*	Max WS	13.16	13.16	0.00	0.00		0.57	78.59	0.14	804.48
Hempstead Lake	4067.44*	Max WS	13.16	13.16	0.00	0.00		0.43	78.73	0.14	800.26
Hempstead Lake	4045.97*	Max WS	13.16	13.16	0.00	0.00		0.31	78.84	0.16	795.55
Hempstead Lake	4024.50*	Max WS	13.16	13.16	0.00	0.00		0.22	78.90	0.17	790.51
Hempstead Lake	4003.034	Max WS	13.16	13.16	0.00	0.00		0.06	79.05	0.19	785.14
Hempstead Lake	3984.01*	Max WS	13.16	13.16	0.00	0.00		0.06	79.14	0.09	767.80
Hempstead Lake	3964.99*	Max WS	13.16	13.16	0.00	0.00		0.02	79.25	0.02	746.91
Hempstead Lake	3945.97*	Max WS	13.16	13.16	0.00	0.00		0.00	79.30	0.00	724.69
Hempstead Lake	3926.95*	Max WS	13.16	13.16	0.00	0.00			79.30		706.40
Hempstead Lake	3907.93*	Max WS	13.16	13.16	0.00	0.00			79.30		682.39
Hempstead Lake	3888.916	Max WS	13.16	13.16	0.00	0.00			81.30		653.42
Hempstead Lake	3883.916	Max WS	13.16	13.16	0.00				81.30		516.57
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	10.29	10.28	0.02	0.00			71.19		166.31
Hempstead Lake	3858.916	Max WS	10.29	10.29	0.00	0.00			71.19		169.33
Hempstead Lake	3826.579	Max WS	10.29	10.28	0.01	0.00			71.19		34.00
Hempstead Lake	3821.579	Max WS	10.29	10.26	0.03				71.18		28.97
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	10.25	10.23	0.02	0.00			71.18		24.79
Hempstead Lake	3736.579	Max WS	10.25	10.23	0.01	0.00			71.18		25.73
Hempstead Lake	3699.46*	Max WS	10.24	10.23	0.01	0.00			71.18		28.75
Hempstead Lake	3662.35*	Max WS	10.24	10.23	0.01	0.00			71.18		32.89
Hempstead Lake	3625.24*	Max WS	10.24	10.23	0.01	0.01			71.18		41.24
Hempstead Lake	3588.13*	Max WS	10.23	10.23	0.01	0.00			71.18		119.09
Hempstead Lake	3551.028	Max WS	10.23	10.23	0.00	0.00			71.17		178.23
Hempstead Lake	3531.67*	Max WS	10.23	10.22	0.00	0.00			71.17		167.51
Hempstead Lake	3512.33*	Max WS	10.22	10.22	0.00	0.00			71.17		159.46
Hempstead Lake	3492.98*	Max WS	10.22	10.22	0.00	0.00			71.17		152.38
Hempstead Lake	3473.63*	Max WS	10.22	10.22	0.00	0.00			71.17		146.89
Hempstead Lake	3454.28*	Max WS	10.22	10.22	0.00	0.00			71.17		142.08
Hempstead Lake	3434.93*	Max WS	10.22	10.22	0.00	0.00			71.17		138.32
Hempstead Lake	3415.58*	Max WS	10.22	10.22	0.00	0.00			71.17		134.68
Hempstead Lake	3396.239	Max WS	10.22	10.22	0.00	0.00			71.15		132.03
Hempstead Lake	3376.88*	Max WS	10.22	10.22	0.00	0.00			71.15		133.15
Hempstead Lake	3357.52*	Max WS	10.22	10.22	0.00	0.00			71.17		134.37
Hempstead Lake	3338.16*	Max WS	10.22	10.22	0.00	0.00			71.15		135.50
Hempstead Lake	3318.80*	Max WS	10.22	10.21	0.00	0.00			71.15		136.78
Hempstead Lake	3299.44*	Max WS	10.22	10.21	0.00	0.00			71.15		137.56
Hempstead Lake	3280.08*	Max WS	10.22	10.21	0.00	0.00			71.15		138.71
Hempstead Lake	3260.73*	Max WS	10.21	10.21	0.00	0.00			71.15		139.62
Hempstead Lake	3241.37*	Max WS	10.21	10.21	0.00	0.00			71.15		140.46
Hempstead Lake	3222.01*	Max WS	10.21	10.21	0.00	0.00			71.15		141.54
Hempstead Lake	3202.65*	Max WS	10.21	10.21	0.00	0.00			71.12		142.26
Hempstead Lake	3183.29*	Max WS	10.21	10.21	0.00	0.00			71.12		143.08
Hempstead Lake	3163.93*	Max WS	10.21	10.21	0.00	0.00			71.15		143.71
Hempstead Lake	3144.581	Max WS	10.21	10.21	0.00	0.00			71.12		144.48
Hempstead Lake	3124.73*	Max WS	10.21	10.21	0.00	0.00			71.12		145.66
Hempstead Lake	3104.89*	Max WS	10.21	10.21	0.00	0.00			71.12		146.99
Hempstead Lake	3085.04*	Max WS	10.21	10.21	0.00	0.00			71.11		148.41
Hempstead Lake	3065.2*	Max WS	10.21	10.21	0.00	0.00			71.11		149.40
Hempstead Lake	3045.35*	Max WS	10.21	10.21	0.00	0.00			71.11		150.90
Hempstead Lake	3025.51*	Max WS	10.21	10.21	0.00	0.00			71.11		152.20
Hempstead Lake	3005.66*	Max WS	10.21	10.21	0.00	0.00			71.11		153.57
Hempstead Lake	2985.81*	Max WS	10.21	10.21	0.00	0.00			71.11		154.54
Hempstead Lake	2965.974	Max WS	10.21	10.21	0.00	0.00			71.07		155.83
Hempstead Lake	2951.87*	Max WS	10.21	10.21	0.00	0.00			71.11		157.76
Hempstead Lake	2937.77*	Max WS	10.21	10.21	0.00	0.00			71.07		159.68
Hempstead Lake	2923.67*	Max WS	10.21	10.21	0.00	0.00			71.07		161.66
Hempstead Lake	2909.57*	Max WS	10.21	10.21	0.00	0.00			71.07		163.66
Hempstead Lake	2895.47*	Max WS	10.21	10.21	0.00	0.00			71.07		165.37
Hempstead Lake	2881.37*	Max WS	10.21	10.21	0.00	0.00			71.07		167.55
Hempstead Lake	2867.27*	Max WS	10.21	10.21	0.00	0.00			71.07		169.59
Hempstead Lake	2853.17*	Max WS	10.21	10.21	0.00	0.00			71.07		171.63
Hempstead Lake	2839.07*	Max WS	10.21	10.21	0.00	0.00			71.07		173.31
Hempstead Lake	2824.98*	Max WS	10.21	10.20	0.00	0.00			71.02		175.62
Hempstead Lake	2810.88*	Max WS	10.21	10.20	0.00	0.00			71.07		177.66
Hempstead Lake	2796.78*	Max WS	10.21	10.20	0.00	0.00			71.07		179.29
Hempstead Lake	2782.68*	Max WS	10.20	10.20	0.00	0.00			71.02		181.66

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2768.58*	Max WS	10.20	10.20	0.00	0.00			71.02		183.74
Hempstead Lake	2754.48*	Max WS	10.20	10.20	0.00	0.00			71.02		185.27
Hempstead Lake	2740.38*	Max WS	10.20	10.20	0.00	0.00			71.01		187.47
Hempstead Lake	2726.28*	Max WS	10.20	10.20	0.00	0.00			71.01		189.63
Hempstead Lake	2712.18*	Max WS	10.20	10.20	0.00	0.00			71.01		191.91
Hempstead Lake	2698.08*	Max WS	10.20	10.20	0.00	0.00			71.01		193.27
Hempstead Lake	2683.98*	Max WS	10.20	10.20	0.00	0.00			71.01		195.51
Hempstead Lake	2669.88*	Max WS	10.20	10.20	0.00	0.00			70.96		197.46
Hempstead Lake	2655.78*	Max WS	10.20	10.20	0.00	0.00			70.95		198.97
Hempstead Lake	2641.68*	Max WS	10.20	10.20	0.00	0.00			70.95		200.84
Hempstead Lake	2627.58*	Max WS	10.20	10.20	0.00	0.00			70.95		202.80
Hempstead Lake	2613.48*	Max WS	10.20	10.20	0.00	0.00			70.95		203.80
Hempstead Lake	2599.38*	Max WS	10.20	10.20	0.00	0.00			70.95		205.47
Hempstead Lake	2585.29*	Max WS	10.20	10.20	0.00	0.00			70.95		207.18
Hempstead Lake	2571.19*	Max WS	10.20	10.20	0.00	0.00			70.95		208.46
Hempstead Lake	2557.091	Max WS	10.20	10.20	0.00	0.00			70.88		208.85
Hempstead Lake	2552.091	Max WS	10.20	10.19	0.01				70.69		31.24
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	10.17	10.15	0.01	0.00			70.23		30.38
Hempstead Lake	2487.091	Max WS	10.16	10.16	0.00	0.00			70.36		318.11
Hempstead Lake	2477.12*	Max WS	10.16	10.16	0.00	0.00			70.36		313.53
Hempstead Lake	2467.14*	Max WS	10.16	10.16	0.00	0.00			70.36		308.82
Hempstead Lake	2457.17*	Max WS	10.16	10.16	0.00	0.00			70.36		304.23
Hempstead Lake	2447.20*	Max WS	10.16	10.16	0.00	0.00			70.36		299.55
Hempstead Lake	2437.23*	Max WS	10.16	10.16	0.00	0.00			70.36		295.16
Hempstead Lake	2427.26*	Max WS	10.16	10.16	0.00	0.00			70.36		290.51
Hempstead Lake	2417.29*	Max WS	10.16	10.16	0.00	0.00			70.36		286.00
Hempstead Lake	2407.32*	Max WS	10.16	10.16	0.00	0.00			70.29		281.62
Hempstead Lake	2397.35*	Max WS	10.16	10.16	0.00	0.00			70.29		262.17
Hempstead Lake	2387.37*	Max WS	10.16	10.16	0.00	0.00			70.29		253.25
Hempstead Lake	2377.40*	Max WS	10.16	10.16	0.00	0.00			70.29		245.64
Hempstead Lake	2367.43*	Max WS	10.16	10.16	0.00	0.00			70.29		238.42
Hempstead Lake	2357.46*	Max WS	10.16	10.16	0.00	0.00			70.28		233.02
Hempstead Lake	2347.49*	Max WS	10.16	10.16	0.00	0.00			70.28		228.39
Hempstead Lake	2337.52*	Max WS	10.16	10.16	0.00	0.00			70.28		224.89
Hempstead Lake	2327.55*	Max WS	10.16	10.16	0.00	0.00			70.21		221.87
Hempstead Lake	2317.58*	Max WS	10.16	10.16	0.00	0.00			70.20		220.52
Hempstead Lake	2307.60*	Max WS	10.16	10.16	0.00	0.00			70.20		219.97
Hempstead Lake	2297.63*	Max WS	10.16	10.16	0.00	0.00			70.20		221.92
Hempstead Lake	2287.66*	Max WS	10.16	10.16	0.00	0.00			70.20		247.49
Hempstead Lake	2277.69*	Max WS	10.16	10.16	0.00	0.00			70.20		273.34
Hempstead Lake	2267.72*	Max WS	10.16	10.16	0.00	0.00			70.20		300.34
Hempstead Lake	2257.752	Max WS	10.16	10.16	0.00	0.00			70.20		326.96
Hempstead Lake	2252.75*	Max WS	10.16	10.16	0.00	0.00			70.20		317.14
Hempstead Lake	2247.752	Max WS	10.16	10.15	0.00				70.03		306.32
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	10.12	10.12	0.00	0.00			69.07		62.26
Hempstead Lake	2192.75*	Max WS	10.12	10.12	0.00	0.00		0.00	69.07		114.50
Hempstead Lake	2187.752	Max WS	10.12	10.12	0.00	0.00		5.73	63.34		236.37
Hempstead Lake	2178.63*	Max WS	10.12	10.12	0.00	0.00		3.90	65.17		227.21
Hempstead Lake	2169.52*	Max WS	10.12	10.12	0.00	0.00		2.32	66.75		217.86
Hempstead Lake	2160.40*	Max WS	10.12	10.12	0.00	0.00		1.06	68.00		208.34
Hempstead Lake	2151.29*	Max WS	10.12	10.12	0.00	0.00		0.24	68.82		191.87
Hempstead Lake	2142.17*	Max WS	10.12	10.12	0.00	0.00		0.00	69.06		120.02
Hempstead Lake	2133.05*	Max WS	10.12	10.12	0.00	0.00			69.06		92.33
Hempstead Lake	2123.94*	Max WS	10.12	10.12	0.00	0.00			69.06		90.46
Hempstead Lake	2114.82*	Max WS	10.12	10.12	0.00	0.00			69.06		88.76
Hempstead Lake	2105.71*	Max WS	10.12	10.12	0.00	0.00			69.06		87.25
Hempstead Lake	2096.59*	Max WS	10.12	10.12	0.00	0.00			69.06		85.79
Hempstead Lake	2087.48*	Max WS	10.12	10.12	0.00	0.00			69.06		84.44
Hempstead Lake	2078.36*	Max WS	10.12	10.12	0.00	0.00			69.06		82.84
Hempstead Lake	2069.25*	Max WS	10.12	10.12	0.00	0.00			68.97		80.62
Hempstead Lake	2060.13*	Max WS	10.12	10.12	0.00	0.00			69.06		78.49
Hempstead Lake	2051.01*	Max WS	10.12	10.12	0.00	0.00			68.97		76.52
Hempstead Lake	2041.90*	Max WS	10.12	10.12	0.00	0.00			68.97		74.59
Hempstead Lake	2032.78*	Max WS	10.12	10.12	0.00	0.00			68.97		72.83
Hempstead Lake	2023.67*	Max WS	10.12	10.12	0.00	0.00			68.97		71.13
Hempstead Lake	2014.55*	Max WS	10.12	10.12	0.00	0.00			68.97		69.56
Hempstead Lake	2005.44*	Max WS	10.12	10.12	0.00	0.00			68.97		67.97
Hempstead Lake	1996.32*	Max WS	10.12	10.12	0.00	0.00			68.97		66.53
Hempstead Lake	1987.20*	Max WS	10.12	10.11	0.00	0.00			68.97		65.12
Hempstead Lake	1978.09*	Max WS	10.12	10.11	0.00	0.00			68.97		63.81

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

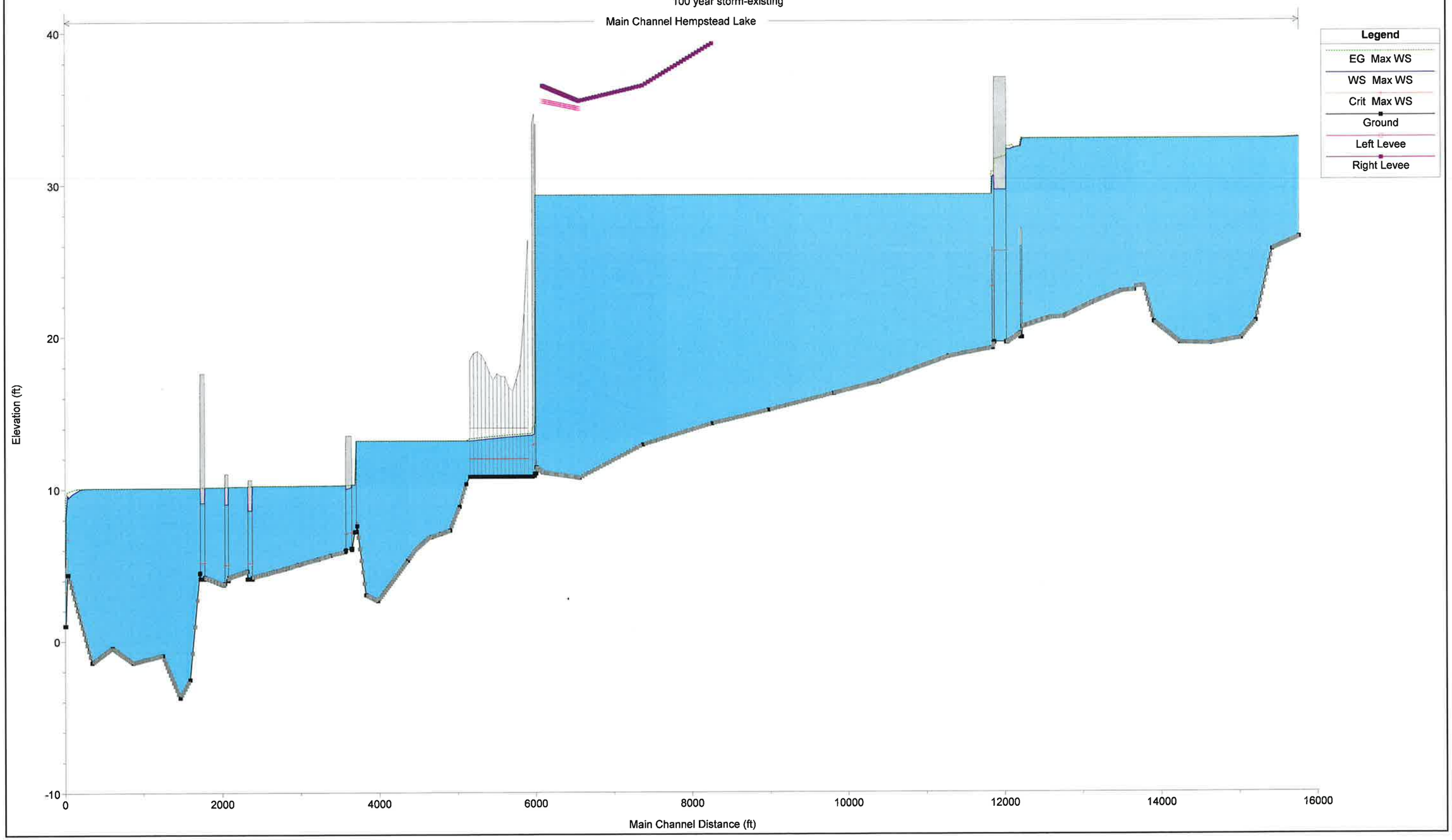
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1968.97*	Max WS	10.12	10.11	0.00	0.00			68.97		62.48
Hempstead Lake	1959.86*	Max WS	10.12	10.11	0.00	0.00			68.87		61.27
Hempstead Lake	1950.747	Max WS	10.12	10.11	0.00	0.00			68.87		60.06
Hempstead Lake	1945.747	Max WS	10.12	10.11	0.01				68.59		17.69
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	10.08	10.07	0.01	0.00			66.38		14.00
Hempstead Lake	1880.747	Max WS	10.08	10.08	0.00	0.00			66.81		135.48
Hempstead Lake	1848.83*	Max WS	10.08	10.08	0.00	0.00			66.91		407.88
Hempstead Lake	1816.92*	Max WS	10.08	10.08	0.00	0.00			66.91		634.96
Hempstead Lake	1785.01*	Max WS	10.08	10.08	0.00	0.00		0.01	66.90	0.00	828.15
Hempstead Lake	1753.104	Max WS	10.08	10.08	0.00	0.00		0.05	66.73	0.00	1010.40
Hempstead Lake	1732.65*	Max WS	10.08	10.08	0.00	0.00		0.14	66.73	0.03	1017.48
Hempstead Lake	1712.21*	Max WS	10.08	10.08	0.00	0.00		0.17	66.53	0.07	1028.49
Hempstead Lake	1691.76*	Max WS	10.08	10.08	0.00	0.00		0.19	66.42	0.15	1043.86
Hempstead Lake	1671.32*	Max WS	10.08	10.08	0.00	0.00		0.23	66.24	0.28	1065.63
Hempstead Lake	1650.87*	Max WS	10.08	10.08	0.00	0.00		0.27	65.98	0.50	1091.98
Hempstead Lake	1630.434	Max WS	10.08	10.08	0.00	0.00		0.14	65.68	0.91	1189.77
Hempstead Lake	1610.36*	Max WS	10.08	10.08	0.00	0.00		0.21	65.90	0.80	1164.27
Hempstead Lake	1590.30*	Max WS	10.08	10.08	0.00	0.00		0.11	66.14	0.66	1093.74
Hempstead Lake	1570.23*	Max WS	10.08	10.08	0.00	0.00		0.04	66.32	0.53	1049.94
Hempstead Lake	1550.17*	Max WS	10.08	10.08	0.00	0.00		0.01	66.46	0.43	1025.91
Hempstead Lake	1530.10*	Max WS	10.08	10.08	0.00	0.00		0.00	66.35	0.34	1000.84
Hempstead Lake	1510.03*	Max WS	10.08	10.08	0.00	0.00			66.65	0.25	975.16
Hempstead Lake	1489.97*	Max WS	10.08	10.08	0.00	0.00			66.72	0.18	948.53
Hempstead Lake	1469.90*	Max WS	10.08	10.08	0.00	0.00			66.55	0.12	920.83
Hempstead Lake	1449.83*	Max WS	10.08	10.08	0.00	0.00			66.59	0.07	892.22
Hempstead Lake	1429.77*	Max WS	10.08	10.08	0.00	0.00			66.86	0.04	861.95
Hempstead Lake	1409.707	Max WS	10.08	10.08	0.00	0.00			66.86	0.04	830.62
Hempstead Lake	1389.03*	Max WS	10.08	10.07	0.00	0.00			2198.51	0.86	831.89
Hempstead Lake	1368.35*	Max WS	10.08	10.07	0.00	0.00			2198.10	1.27	832.48
Hempstead Lake	1347.67*	Max WS	10.08	10.07	0.00	0.00			2197.62	1.74	832.77
Hempstead Lake	1326.99*	Max WS	10.08	10.07	0.00	0.00			2197.07	2.29	832.58
Hempstead Lake	1306.32*	Max WS	10.08	10.07	0.00	0.00			2196.34	3.01	832.40
Hempstead Lake	1285.64*	Max WS	10.08	10.07	0.00	0.00			2195.65	3.71	831.82
Hempstead Lake	1264.96*	Max WS	10.08	10.07	0.00	0.00			2194.88	4.47	831.38
Hempstead Lake	1244.28*	Max WS	10.08	10.07	0.00	0.00			2194.04	5.31	830.69
Hempstead Lake	1223.61*	Max WS	10.08	10.07	0.00	0.00			2193.12	6.23	830.35
Hempstead Lake	1202.93*	Max WS	10.08	10.07	0.00	0.00			2192.15	7.20	829.78
Hempstead Lake	1182.25*	Max WS	10.07	10.07	0.00	0.00			2191.10	8.24	829.43
Hempstead Lake	1161.57*	Max WS	10.07	10.07	0.00	0.00			2189.99	9.35	829.12
Hempstead Lake	1140.90*	Max WS	10.07	10.07	0.00	0.00			2188.83	10.51	828.69
Hempstead Lake	1120.22*	Max WS	10.07	10.07	0.00	0.00			2187.19	12.14	828.54
Hempstead Lake	1099.54*	Max WS	10.07	10.07	0.00	0.00			2185.87	13.47	828.21
Hempstead Lake	1078.87*	Max WS	10.07	10.07	0.00	0.00			2184.46	14.87	828.24
Hempstead Lake	1058.19*	Max WS	10.07	10.07	0.00	0.00		0.00	2183.02	16.31	828.34
Hempstead Lake	1037.515	Max WS	10.07	10.07	0.00	0.00		0.01	2159.77	39.55	828.72
Hempstead Lake	1017.08*	Max WS	10.07	10.07	0.00	0.00		0.13	2189.83	19.32	822.99
Hempstead Lake	996.645*	Max WS	10.07	10.07	0.00	0.00		0.43	2185.39	23.46	817.39
Hempstead Lake	976.210*	Max WS	10.07	10.07	0.00	0.00		0.99	2181.01	27.28	811.30
Hempstead Lake	955.775*	Max WS	10.07	10.07	0.00	0.00		1.95	2175.23	32.09	805.19
Hempstead Lake	935.340*	Max WS	10.07	10.07	0.00	0.00		3.30	2169.24	36.74	799.05
Hempstead Lake	914.905*	Max WS	10.07	10.07	0.00	0.00		5.27	2161.57	42.43	792.64
Hempstead Lake	894.471*	Max WS	10.07	10.07	0.00	0.00		8.10	2153.50	47.67	786.26
Hempstead Lake	874.036*	Max WS	10.07	10.07	0.00	0.00		11.68	2143.49	54.10	780.00
Hempstead Lake	853.601*	Max WS	10.07	10.07	0.00	0.00		15.97	2133.14	60.16	774.19
Hempstead Lake	833.166*	Max WS	10.07	10.07	0.00	0.00		21.68	2120.11	67.47	769.14
Hempstead Lake	812.731*	Max WS	10.07	10.07	0.00	0.00		29.04	2106.14	74.08	764.03
Hempstead Lake	792.296*	Max WS	10.07	10.07	0.00	0.00		37.57	2089.52	82.17	760.39
Hempstead Lake	771.862	Max WS	10.07	10.07	0.00	0.00		19.07	2107.33	82.85	757.32
Hempstead Lake	750.331*	Max WS	10.07	10.07	0.00	0.00		26.97	2116.18	69.77	731.85
Hempstead Lake	728.8*	Max WS	10.07	10.07	0.00	0.00		12.54	2145.20	55.17	713.26
Hempstead Lake	707.269*	Max WS	10.07	10.07	0.00	0.00		4.21	2166.71	41.99	689.25
Hempstead Lake	685.738*	Max WS	10.07	10.07	0.00	0.00		0.73	2180.61	31.56	660.89
Hempstead Lake	664.207*	Max WS	10.07	10.07	0.00	0.00		0.00	2189.79	23.12	641.35
Hempstead Lake	642.676*	Max WS	10.07	10.07	0.00	0.00			2196.44	16.46	624.02
Hempstead Lake	621.145*	Max WS	10.07	10.07	0.00	0.00			2202.02	10.89	608.12
Hempstead Lake	599.614*	Max WS	10.07	10.07	0.00	0.00			2206.37	6.53	593.34
Hempstead Lake	578.083*	Max WS	10.07	10.06	0.00	0.00			2209.32	3.58	577.18
Hempstead Lake	556.552*	Max WS	10.07	10.06	0.00	0.00			2210.94	1.95	557.61
Hempstead Lake	535.021*	Max WS	10.07	10.06	0.00	0.00			2212.00	0.89	540.78
Hempstead Lake	513.490	Max WS	10.07	10.06	0.00	0.00			2212.08	0.81	527.63
Hempstead Lake	493.038*	Max WS	10.07	10.06	0.01	0.00			2221.94	0.11	510.66

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	472.587*	Max WS	10.07	10.06	0.01	0.00			2222.05	0.00	493.67
Hempstead Lake	452.136*	Max WS	10.07	10.06	0.01	0.00			2222.05		477.18
Hempstead Lake	431.685*	Max WS	10.07	10.05	0.01	0.00			2222.05		463.95
Hempstead Lake	411.234*	Max WS	10.06	10.05	0.02	0.00			2222.04		450.44
Hempstead Lake	390.783*	Max WS	10.06	10.04	0.02	0.00			2222.04		436.25
Hempstead Lake	370.332*	Max WS	10.06	10.02	0.04	0.01			2222.04		421.14
Hempstead Lake	349.881*	Max WS	10.05	9.97	0.07	0.01			2222.04		395.21
Hempstead Lake	329.430*	Max WS	10.05	9.90	0.15	0.02			2222.03		198.12
Hempstead Lake	308.979*	Max WS	10.02	9.84	0.18	0.02			2222.03		131.27
Hempstead Lake	288.528*	Max WS	10.00	9.79	0.21	0.03			2222.03		124.27
Hempstead Lake	268.077*	Max WS	9.97	9.72	0.25	0.04			2222.03		118.16
Hempstead Lake	247.626*	Max WS	9.94	9.65	0.29	0.05			2222.03		112.72
Hempstead Lake	227.175*	Max WS	9.89	9.55	0.34	0.04			2222.03		107.89
Hempstead Lake	206.724	Max WS	9.85	9.43	0.41	0.01			2222.03		103.74
Hempstead Lake	201.724	Max WS	9.84	9.60	0.24				2222.03		115.42
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	5.30	4.95	0.35	0.01		645.20	1576.83		125.20
Hempstead Lake	166.724	Max WS	5.29	4.94	0.35			645.15	1576.88		125.18

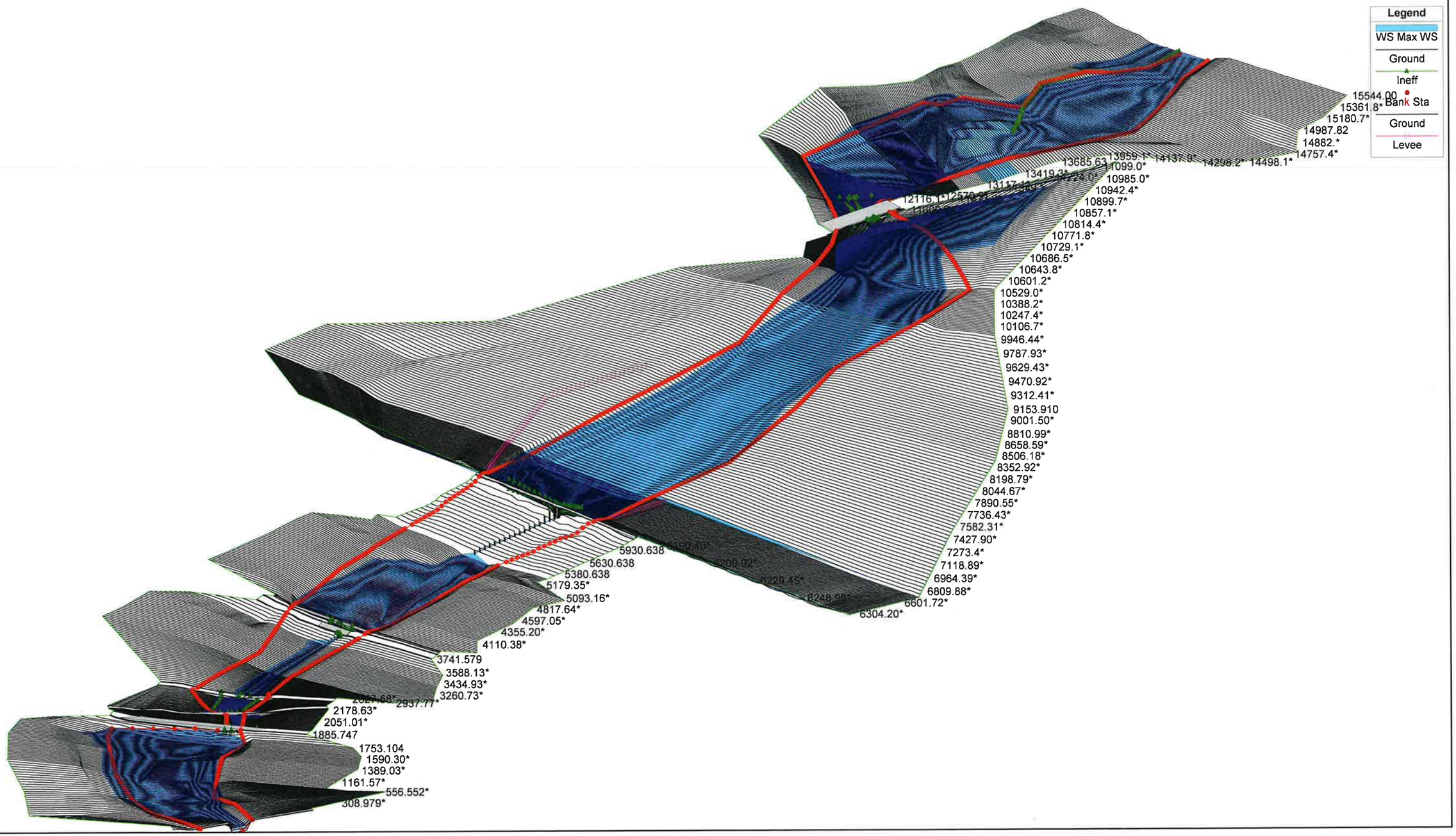
Hempstead Lake 8-24-15 Plan: Plan 25 8/26/2015

100 year storm-existing



Hempstead Lake 8-24-15 Plan: Plan 25 8/26/2015

100 year storm-existing



Existing Half PMF Non-Breach w/o Lids 8/26/15

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7449.86	26.48	44.09		44.10	0.000011	1.02	9110.42	926.34	0.05
Hempstead Lake	15523.7*	Max WS	7449.77	26.43	44.09		44.10	0.000058	0.96	9103.75	914.99	0.04
Hempstead Lake	15503.5*	Max WS	7449.68	26.38	44.08		44.10	0.000055	0.96	9097.77	906.51	0.04
Hempstead Lake	15483.3*	Max WS	7449.58	26.34	44.08		44.10	0.000050	0.97	9091.82	900.19	0.04
Hempstead Lake	15463.0*	Max WS	7449.46	26.29	44.08		44.09	0.000046	0.97	9085.47	895.46	0.04
Hempstead Lake	15442.8*	Max WS	7449.33	26.24	44.08		44.09	0.000043	0.97	9078.22	891.19	0.04
Hempstead Lake	15422.5*	Max WS	7449.20	26.19	44.08		44.09	0.000039	0.97	9071.72	884.19	0.04
Hempstead Lake	15402.3*	Max WS	7421.73	26.15	44.08		44.09	0.000035	0.97	9061.98	878.35	0.04
Hempstead Lake	15382.1*	Max WS	7421.72	26.10	44.08		44.09	0.000033	0.97	9051.93	873.64	0.04
Hempstead Lake	15361.8*	Max WS	7421.71	26.05	44.08		44.09	0.000029	0.97	9039.09	869.84	0.04
Hempstead Lake	15341.6*	Max WS	7421.69	26.00	44.08		44.09	0.000027	0.97	9024.33	866.83	0.04
Hempstead Lake	15321.4*	Max WS	7421.66	25.96	44.08		44.09	0.000024	0.98	9006.85	864.65	0.04
Hempstead Lake	15301.1*	Max WS	7421.63	25.91	44.08		44.09	0.000022	0.98	8985.97	863.77	0.04
Hempstead Lake	15280.9*	Max WS	7421.61	25.86	44.08		44.09	0.000020	0.99	8962.99	863.47	0.04
Hempstead Lake	15260.7*	Max WS	7421.57	25.81	44.08		44.09	0.000017	0.99	8935.71	863.49	0.05
Hempstead Lake	15240.4*	Max WS	7421.54	25.77	44.08		44.09	0.000015	1.00	8905.47	863.97	0.05
Hempstead Lake	15220.2*	Max WS	7421.50	25.72	44.08		44.09	0.000014	1.00	8871.35	859.14	0.05
Hempstead Lake	15200.02	Max WS	7421.46	25.67	44.08		44.09	0.000011	0.98	8839.25	819.92	0.05
Hempstead Lake	15180.7*	Max WS	7421.43	25.24	44.08		44.09	0.000012	0.93	9314.02	847.17	0.04
Hempstead Lake	15161.4*	Max WS	7421.40	24.82	44.08		44.09	0.000013	0.88	9803.14	868.03	0.04
Hempstead Lake	15142.1*	Max WS	7421.38	24.39	44.08		44.09	0.000014	0.83	10309.23	889.57	0.04
Hempstead Lake	15122.8*	Max WS	7421.36	23.96	44.08		44.09	0.000014	0.78	10829.35	909.01	0.03
Hempstead Lake	15103.5*	Max WS	7446.63	23.53	44.08		44.09	0.000014	0.74	11364.20	927.44	0.03
Hempstead Lake	15084.2*	Max WS	7446.48	23.11	44.08		44.09	0.000015	0.70	11914.49	945.39	0.03
Hempstead Lake	15064.9*	Max WS	7446.34	22.68	44.08		44.09	0.000015	0.67	12478.58	962.86	0.03
Hempstead Lake	15045.6*	Max WS	7446.19	22.25	44.08		44.09	0.000015	0.63	13056.82	979.88	0.03
Hempstead Lake	15026.4*	Max WS	7446.05	21.82	44.08		44.09	0.000015	0.60	13649.62	996.52	0.02
Hempstead Lake	15007.1*	Max WS	7445.90	21.40	44.08		44.09	0.000015	0.57	14254.63	1012.81	0.02
Hempstead Lake	14987.82	Max WS	7445.76	20.97	44.08		44.09	0.000003	0.57	14874.29	1028.77	0.02
Hempstead Lake	14966.6*	Max WS	7493.66	20.84	44.08		44.09	0.000014	0.54	15244.25	1052.34	0.02
Hempstead Lake	14945.4*	Max WS	7493.50	20.72	44.08		44.09	0.000013	0.53	15619.67	1076.62	0.02
Hempstead Lake	14924.3*	Max WS	7493.33	20.59	44.08		44.09	0.000012	0.51	16008.72	1131.21	0.02
Hempstead Lake	14903.1*	Max WS	7493.16	20.46	44.08		44.09	0.000012	0.50	16436.34	1316.58	0.02
Hempstead Lake	14882.*	Max WS	7492.95	20.34	44.08		44.09	0.000011	0.48	17034.45	1559.06	0.02
Hempstead Lake	14860.8*	Max WS	7492.71	20.21	44.08		44.09	0.000010	0.47	17754.30	1671.41	0.02
Hempstead Lake	14839.6*	Max WS	7492.46	20.08	44.08		44.09	0.000010	0.45	18525.42	1753.32	0.02
Hempstead Lake	14818.5*	Max WS	7492.18	19.96	44.08		44.09	0.000009	0.44	19353.80	1892.51	0.02
Hempstead Lake	14797.35	Max WS	7491.89	19.83	44.08		44.09	0.000002	0.46	20221.33	1941.20	0.02
Hempstead Lake	14777.4*	Max WS	7491.63	19.81	44.08		44.09	0.000007	0.42	20392.61	1958.75	0.02
Hempstead Lake	14757.4*	Max WS	7491.37	19.80	44.08		44.09	0.000007	0.42	20574.62	1946.11	0.02
Hempstead Lake	14737.5*	Max WS	7491.10	19.78	44.08		44.09	0.000006	0.41	20769.98	1923.84	0.02
Hempstead Lake	14717.5*	Max WS	7490.84	19.76	44.08		44.09	0.000006	0.41	20978.34	1910.19	0.02
Hempstead Lake	14697.6*	Max WS	7490.59	19.74	44.08		44.09	0.000005	0.40	21204.14	1879.09	0.02
Hempstead Lake	14677.6*	Max WS	7490.34	19.73	44.08		44.09	0.000005	0.39	21444.97	1878.21	0.02
Hempstead Lake	14657.7*	Max WS	7490.10	19.71	44.08		44.09	0.000004	0.39	21700.95	1877.70	0.01
Hempstead Lake	14637.7*	Max WS	7489.85	19.69	44.08		44.09	0.000004	0.38	21975.25	1875.52	0.01
Hempstead Lake	14617.8*	Max WS	7489.60	19.67	44.08		44.09	0.000003	0.38	22272.59	1878.33	0.01
Hempstead Lake	14597.8*	Max WS	7489.37	19.65	44.08		44.09	0.000003	0.37	22606.35	1900.59	0.01
Hempstead Lake	14577.9*	Max WS	7489.14	19.64	44.08		44.09	0.000003	0.37	22992.15	1797.89	0.01
Hempstead Lake	14557.9*	Max WS	7488.92	19.62	44.08		44.09	0.000002	0.36	23487.00	1747.42	0.01
Hempstead Lake	14538.0*	Max WS	7488.70	19.60	44.08		44.09	0.000002	0.36	24002.27	1768.33	0.01
Hempstead Lake	14518.0*	Max WS	7488.48	19.58	44.08		44.09	0.000002	0.35	24524.16	1785.33	0.01
Hempstead Lake	14498.1*	Max WS	7488.26	19.57	44.08		44.09	0.000002	0.35	25044.93	1799.63	0.01
Hempstead Lake	14478.1*	Max WS	7488.05	19.55	44.08		44.09	0.000001	0.34	25569.97	1817.37	0.01
Hempstead Lake	14458.2*	Max WS	7487.83	19.53	44.08		44.09	0.000001	0.34	26096.53	1832.13	0.01
Hempstead Lake	14438.2*	Max WS	7487.61	19.51	44.08		44.09	0.000001	0.33	26620.47	1841.14	0.01
Hempstead Lake	14418.3*	Max WS	7487.40	19.50	44.08		44.09	0.000001	0.33	27139.12	1848.82	0.01
Hempstead Lake	14398.37	Max WS	7487.19	19.48	44.08		44.09	0.000001	0.33	27657.91	1855.34	0.01
Hempstead Lake	14378.3*	Max WS	7486.99	19.48	44.08		44.09	0.000001	0.33	27357.69	1835.60	0.01
Hempstead Lake	14358.3*	Max WS	7486.78	19.49	44.08		44.09	0.000001	0.34	27053.61	1816.41	0.01
Hempstead Lake	14338.2*	Max WS	7486.58	19.49	44.08		44.09	0.000001	0.34	26755.73	1797.87	0.01
Hempstead Lake	14318.2*	Max WS	7486.38	19.49	44.08		44.09	0.000001	0.35	26456.87	1780.05	0.01
Hempstead Lake	14298.2*	Max WS	7486.18	19.49	44.08		44.09	0.000001	0.35	26159.25	1763.12	0.01
Hempstead Lake	14278.1*	Max WS	7485.98	19.50	44.08		44.09	0.000001	0.36	25866.23	1749.63	0.01
Hempstead Lake	14258.1*	Max WS	7485.79	19.50	44.08		44.09	0.000001	0.37	25595.72	1884.27	0.01
Hempstead Lake	14238.1*	Max WS	7485.58	19.50	44.08		44.09	0.000001	0.37	25395.89	1910.75	0.01
Hempstead Lake	14218.0*	Max WS	7485.37	19.50	44.08		44.09	0.000001	0.38	25218.36	1980.01	0.01
Hempstead Lake	14198.0*	Max WS	7485.17	19.51	44.08		44.09	0.000001	0.39	25065.15	1989.54	0.01
Hempstead Lake	14178.0*	Max WS	7484.96	19.51	44.08		44.09	0.000001	0.39	24902.34	1952.42	0.01
Hempstead Lake	14157.9*	Max WS	7484.76	19.51	44.08		44.09	0.000001	0.40	24730.76	1920.71	0.02
Hempstead Lake	14137.9*	Max WS	7484.56	19.51	44.08		44.09	0.000001	0.40	24551.08	1884.57	0.02
Hempstead Lake	14117.9*	Max WS	7484.38	19.52	44.08		44.09	0.000001	0.41	24357.69	1847.40	0.02
Hempstead Lake	14097.8*	Max WS	7484.20	19.52	44.08		44.09	0.000001	0.42	24152.97	1809.85	0.02
Hempstead Lake	14077.8*	Max WS	7484.02	19.52	44.08		44.09	0.000001	0.42	23934.93	1771.81	0.02
Hempstead Lake	14057.8*	Max WS	7483.84	19.52	44.08		44.09	0.000001	0.43	23703.91	1733.49	0.02
Hempstead Lake	14037.7*	Max WS	7483.67	19.53	44.08		44.09	0.000001	0.44	23461.48	1694.82	0.02
Hempstead Lake	14017.75	Max WS	7483.51	19.53	44.08		44.09	0.000001	0.45	23202.76	1655.93	0.02
Hempstead Lake	13998.2*	Max WS	7483.37	19.61	44.08		44.09	0.000002	0.42	23049.78	1646.86	0.02
Hempstead Lake	13978.6*	Max WS	7483.24	19.69	44.08		44.09	0.000003	0.42	22893.15	1637.71	0.02
Hempstead Lake	13959.1*	Max WS	7483.10	19.77	44.08		44.09	0.000003	0.41	22730.99	1628.50	0.02
Hempstead Lake	13939.6*	Max WS	7482.96	19.85	44.08		44.09	0.000003	0.41	22564.16	1619.22	0.02

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7482.83	19.94	44.08		44.09	0.000003	0.41	22393.64	1610.00	0.02
Hempstead Lake	13900.5*	Max WS	7482.71	20.02	44.08		44.09	0.000003	0.41	22217.36	1600.77	0.02
Hempstead Lake	13881.*	Max WS	7482.58	20.10	44.08		44.09	0.000003	0.41	22037.25	1591.53	0.02
Hempstead Lake	13861.4*	Max WS	7482.45	20.18	44.08		44.09	0.000003	0.41	21854.23	1580.44	0.02
Hempstead Lake	13841.9*	Max WS	7482.33	20.26	44.08		44.09	0.000004	0.41	21667.21	1569.06	0.02
Hempstead Lake	13822.3*	Max WS	7482.21	20.34	44.08		44.09	0.000004	0.41	21475.74	1558.21	0.02
Hempstead Lake	13802.8*	Max WS	7482.10	20.42	44.08		44.09	0.000004	0.41	21282.23	1547.90	0.02
Hempstead Lake	13783.3*	Max WS	7481.98	20.50	44.08		44.09	0.000004	0.41	21083.77	1536.45	0.02
Hempstead Lake	13763.7*	Max WS	7481.88	20.59	44.08		44.08	0.000004	0.41	20880.67	1526.38	0.02
Hempstead Lake	13744.2*	Max WS	7481.77	20.67	44.08		44.08	0.000004	0.41	20672.07	1517.60	0.02
Hempstead Lake	13724.7*	Max WS	7481.66	20.75	44.08		44.08	0.000004	0.41	20457.22	1509.98	0.02
Hempstead Lake	13705.1*	Max WS	7481.56	20.83	44.08		44.08	0.000003	0.42	20231.14	1503.26	0.02
Hempstead Lake	13685.63	Max WS	7481.46	20.91	44.08		44.08	0.000002	0.43	19997.80	1497.44	0.02
Hempstead Lake	13666.4*	Max WS	7481.36	21.07	44.08		44.08	0.000003	0.41	20483.93	1494.61	0.02
Hempstead Lake	13647.1*	Max WS	7481.26	21.23	44.08		44.08	0.000003	0.40	20896.59	1491.78	0.02
Hempstead Lake	13627.9*	Max WS	7481.17	21.39	44.08		44.08	0.000003	0.39	21234.65	1488.96	0.02
Hempstead Lake	13608.7*	Max WS	7481.09	21.56	44.08		44.08	0.000003	0.39	21496.40	1486.14	0.02
Hempstead Lake	13589.5*	Max WS	7481.00	21.72	44.08		44.08	0.000003	0.38	21686.12	1483.31	0.02
Hempstead Lake	13570.2*	Max WS	7480.92	21.88	44.08		44.08	0.000003	0.38	21800.74	1480.51	0.02
Hempstead Lake	13551.0*	Max WS	7480.84	22.04	44.08		44.08	0.000003	0.38	21841.75	1477.72	0.02
Hempstead Lake	13531.8*	Max WS	7480.75	22.20	44.08		44.08	0.000003	0.38	21807.04	1474.93	0.02
Hempstead Lake	13512.6*	Max WS	7480.68	22.36	44.08		44.08	0.000002	0.39	21697.84	1472.14	0.02
Hempstead Lake	13493.3*	Max WS	7480.60	22.53	44.08		44.08	0.000002	0.39	21515.36	1469.37	0.02
Hempstead Lake	13474.1*	Max WS	7480.53	22.69	44.08		44.08	0.000002	0.40	21257.59	1466.67	0.02
Hempstead Lake	13454.9*	Max WS	7480.46	22.85	44.08		44.08	0.000002	0.40	20926.77	1463.90	0.02
Hempstead Lake	13435.72	Max WS	7480.38	23.01	44.08		44.08	0.000002	0.40	20520.23	1461.16	0.02
Hempstead Lake	13419.3*	Max WS	7480.32	23.00	44.08		44.08	0.000002	0.41	20556.89	1464.85	0.02
Hempstead Lake	13403.0*	Max WS	7480.26	23.00	44.08		44.08	0.000002	0.41	20607.66	1468.56	0.02
Hempstead Lake	13386.6*	Max WS	7480.21	22.99	44.08		44.08	0.000003	0.41	20670.22	1472.24	0.02
Hempstead Lake	13370.3*	Max WS	7480.16	22.98	44.08		44.08	0.000002	0.41	20745.21	1475.89	0.02
Hempstead Lake	13354.*	Max WS	7480.11	22.98	44.08		44.08	0.000002	0.40	20832.03	1479.52	0.02
Hempstead Lake	13337.6*	Max WS	7480.06	22.97	44.08		44.08	0.000003	0.40	20932.46	1483.11	0.02
Hempstead Lake	13321.3*	Max WS	7480.01	22.96	44.08		44.08	0.000002	0.40	21044.99	1486.66	0.02
Hempstead Lake	13304.9*	Max WS	7479.96	22.95	44.08		44.08	0.000002	0.39	21169.24	1490.22	0.02
Hempstead Lake	13288.6*	Max WS	7479.91	22.95	44.08		44.08	0.000002	0.39	21306.91	1493.75	0.02
Hempstead Lake	13272.29	Max WS	7479.86	22.94	44.08		44.08	0.000002	0.39	21456.10	1497.24	0.02
Hempstead Lake	13255.0*	Max WS	7479.82	22.90	44.08		44.08	0.000002	0.39	21731.03	1499.91	0.02
Hempstead Lake	13237.8*	Max WS	7479.77	22.87	44.08		44.08	0.000002	0.38	21996.16	1502.59	0.02
Hempstead Lake	13220.5*	Max WS	7479.73	22.83	44.08		44.08	0.000002	0.38	22254.03	1505.23	0.02
Hempstead Lake	13203.3*	Max WS	7479.68	22.80	44.08		44.08	0.000002	0.37	22501.12	1507.83	0.02
Hempstead Lake	13186.0*	Max WS	7479.64	22.76	44.08		44.08	0.000002	0.37	22739.44	1510.50	0.02
Hempstead Lake	13168.8*	Max WS	7479.59	22.72	44.08		44.08	0.000002	0.36	22968.52	1513.08	0.02
Hempstead Lake	13151.6*	Max WS	7479.55	22.69	44.08		44.08	0.000002	0.36	23188.33	1515.63	0.02
Hempstead Lake	13134.3*	Max WS	7479.51	22.65	44.08		44.08	0.000002	0.36	23399.42	1518.20	0.01
Hempstead Lake	13117.1*	Max WS	7479.47	22.62	44.08		44.08	0.000002	0.35	23601.80	1520.72	0.01
Hempstead Lake	13099.8*	Max WS	7479.44	22.58	44.08		44.08	0.000002	0.35	23794.91	1523.26	0.01
Hempstead Lake	13082.6*	Max WS	7479.40	22.55	44.08		44.08	0.000002	0.35	23977.82	1525.68	0.01
Hempstead Lake	13065.3*	Max WS	7479.36	22.51	44.08		44.08	0.000002	0.34	24153.37	1528.06	0.01
Hempstead Lake	13048.1*	Max WS	7479.33	22.47	44.08		44.08	0.000002	0.34	24319.53	1530.52	0.01
Hempstead Lake	13030.9*	Max WS	7479.30	22.44	44.08		44.08	0.000002	0.34	24474.75	1532.81	0.01
Hempstead Lake	13013.6*	Max WS	7479.27	22.40	44.08		44.08	0.000002	0.34	24622.17	1535.03	0.01
Hempstead Lake	12996.4*	Max WS	7479.25	22.37	44.08		44.08	0.000002	0.33	24761.40	1537.29	0.01
Hempstead Lake	12979.1*	Max WS	7479.22	22.33	44.08		44.08	0.000002	0.33	24888.59	1539.41	0.01
Hempstead Lake	12961.9*	Max WS	7479.20	22.29	44.08		44.08	0.000002	0.33	25010.34	1541.37	0.01
Hempstead Lake	12944.7*	Max WS	7479.17	22.26	44.08		44.08	0.000002	0.33	25120.67	1543.37	0.01
Hempstead Lake	12927.4*	Max WS	7479.15	22.22	44.08		44.08	0.000002	0.33	25223.04	1545.08	0.01
Hempstead Lake	12910.2*	Max WS	7479.12	22.19	44.08		44.08	0.000002	0.33	25316.55	1546.66	0.01
Hempstead Lake	12892.97	Max WS	7479.10	22.15	44.08		44.08	0.000001	0.33	25400.46	1548.14	0.01
Hempstead Lake	12881.0*	Max WS	8755.00	22.12	44.08		44.08	0.000001	0.39	25383.07	1545.89	0.02
Hempstead Lake	12869.1*	Max WS	8754.98	22.09	44.08		44.08	0.000001	0.39	25367.93	1543.38	0.02
Hempstead Lake	12857.1*	Max WS	8754.95	22.06	44.08		44.08	0.000001	0.39	25351.59	1540.99	0.02
Hempstead Lake	12845.2*	Max WS	8754.93	22.03	44.08		44.08	0.000001	0.39	25335.66	1537.60	0.02
Hempstead Lake	12833.3*	Max WS	8754.90	22.00	44.08		44.08	0.000001	0.39	25318.76	1534.14	0.02
Hempstead Lake	12821.4*	Max WS	8754.88	21.97	44.08		44.08	0.000001	0.39	25304.85	1530.62	0.02
Hempstead Lake	12809.4*	Max WS	8754.85	21.94	44.08		44.08	0.000001	0.39	25290.23	1527.11	0.02
Hempstead Lake	12797.5*	Max WS	8754.83	21.92	44.08		44.08	0.000001	0.39	25274.72	1523.05	0.02
Hempstead Lake	12785.6*	Max WS	8754.81	21.89	44.08		44.08	0.000001	0.39	25260.73	1520.94	0.02
Hempstead Lake	12773.7*	Max WS	8754.79	21.86	44.08		44.08	0.000001	0.39	25246.39	1518.79	0.02
Hempstead Lake	12761.7*	Max WS	8754.77	21.83	44.08		44.08	0.000001	0.39	25231.77	1516.42	0.02
Hempstead Lake	12749.8*	Max WS	8754.75	21.80	44.08		44.08	0.000001	0.39	25218.46	1513.83	0.02
Hempstead Lake	12737.9*	Max WS	8754.74	21.77	44.08		44.08	0.000001	0.39	25205.13	1511.00	0.02
Hempstead Lake	12726.0*	Max WS	8754.72	21.74	44.08		44.08	0.000001	0.39	25190.91	1507.76	0.02
Hempstead Lake	12714.0*	Max WS	8754.71	21.71	44.08		44.08	0.000001	0.39	25175.95	1503.68	0.02
Hempstead Lake	12702.1*	Max WS	8754.70	21.68	44.08		44.08	0.000001	0.39	25164.94	1497.66	0.02
Hempstead Lake	12690.2*	Max WS	8754.68	21.65	44.08		44.08	0.000001	0.39	25153.18	1490.32	0.02
Hempstead Lake	12678.3*	Max WS	8754.67	21.62	44.08		44.08	0.000001	0.39	25143.16	1482.11	0.02
Hempstead Lake	12666.3*	Max WS	8754.65	21.59	44.08		44.08	0.000001	0.39	25133.49	1471.91	0.02
Hempstead Lake	12654.4*	Max WS	8754.64	21.56	44.08		44.08	0.000001	0.39	25126.22	1464.04	0.02
Hempstead Lake	12642.5*	Max WS	8754.62	21.53	44.08		44.08	0.000001	0.39	25121.01	1458.47	0.02
Hempstead Lake	12630.6*	Max WS	8754.61	21.50	44.08		44.08	0.000001	0.39	25115.98	1452.63	0.02
Hempstead Lake	12618.6*	Max WS	8754.60	21.47	44.08		44.08	0.000001	0.39	25113.18	1446.68	0.02

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	8754.60	21.45	44.08		44.08	0.000001	0.39	25110.49	1440.35	0.02
Hempstead Lake	12594.8*	Max WS	8754.58	21.42	44.08		44.08	0.000001	0.39	25110.79	1434.01	0.02
Hempstead Lake	12582.9*	Max WS	8754.57	21.39	44.08		44.08	0.000001	0.39	25111.11	1429.08	0.02
Hempstead Lake	12570.9*	Max WS	8754.56	21.36	44.08		44.08	0.000001	0.39	25111.85	1425.33	0.02
Hempstead Lake	12559.0*	Max WS	8754.55	21.33	44.08		44.08	0.000001	0.39	25113.81	1421.67	0.02
Hempstead Lake	12547.1*	Max WS	8754.54	21.30	44.08		44.08	0.000001	0.39	25117.50	1418.02	0.02
Hempstead Lake	12535.2*	Max WS	8754.53	21.27	44.08		44.08	0.000001	0.39	25122.42	1414.36	0.02
Hempstead Lake	12523.27	Max WS	8754.34	21.24	44.08		44.08	0.000001	0.39	25126.20	1410.67	0.02
Hempstead Lake	12515.8*	Max WS	9335.80	21.24	44.08		44.08	0.000002	0.42	24927.11	1397.82	0.02
Hempstead Lake	12508.3*	Max WS	9335.80	21.24	44.08		44.08	0.000002	0.42	24729.37	1384.84	0.02
Hempstead Lake	12500.9*	Max WS	9335.80	21.23	44.08		44.08	0.000002	0.42	24532.39	1372.00	0.02
Hempstead Lake	12493.4*	Max WS	9335.79	21.23	44.08		44.08	0.000002	0.42	24335.39	1359.03	0.02
Hempstead Lake	12486.0*	Max WS	9335.79	21.23	44.08		44.08	0.000002	0.42	24140.61	1346.19	0.02
Hempstead Lake	12478.5*	Max WS	9335.78	21.23	44.08		44.08	0.000003	0.42	23945.25	1333.22	0.02
Hempstead Lake	12471.1*	Max WS	9335.78	21.23	44.08		44.08	0.000003	0.42	23751.14	1320.39	0.02
Hempstead Lake	12463.7*	Max WS	9335.77	21.23	44.08		44.08	0.000003	0.43	23557.59	1307.42	0.02
Hempstead Lake	12456.2*	Max WS	9335.77	21.22	44.08		44.08	0.000003	0.43	23365.40	1294.59	0.02
Hempstead Lake	12448.8*	Max WS	9335.77	21.22	44.08		44.08	0.000004	0.43	23172.56	1281.62	0.02
Hempstead Lake	12441.3*	Max WS	9335.76	21.22	44.08		44.08	0.000004	0.43	22980.71	1268.80	0.02
Hempstead Lake	12433.9*	Max WS	9336.31	21.22	44.08		44.08	0.000005	0.43	22789.54	1255.83	0.02
Hempstead Lake	12426.4*	Max WS	9335.76	21.22	44.08		44.08	0.000005	0.43	22601.12	1243.10	0.02
Hempstead Lake	12419.0*	Max WS	9335.75	21.21	44.08		44.08	0.000005	0.44	22410.95	1230.14	0.02
Hempstead Lake	12411.5*	Max WS	9335.75	21.21	44.08		44.08	0.000006	0.44	22222.71	1217.35	0.02
Hempstead Lake	12404.1*	Max WS	9335.75	21.21	44.08		44.08	0.000006	0.44	22035.03	1204.57	0.02
Hempstead Lake	12396.6*	Max WS	9335.74	21.21	44.08		44.08	0.000006	0.44	21847.71	1191.63	0.02
Hempstead Lake	12389.2*	Max WS	9335.91	21.21	44.08		44.08	0.000007	0.45	21662.01	1178.88	0.02
Hempstead Lake	12381.8*	Max WS	9335.74	21.21	44.08		44.08	0.000007	0.45	21476.20	1165.95	0.02
Hempstead Lake	12374.3*	Max WS	9335.74	21.20	44.08		44.08	0.000008	0.45	21291.03	1153.25	0.02
Hempstead Lake	12366.9*	Max WS	9335.73	21.20	44.08		44.08	0.000008	0.45	21107.01	1140.35	0.02
Hempstead Lake	12359.46	Max WS	9335.73	21.20	44.08		44.08	0.000002	0.47	20923.39	1127.64	0.02
Hempstead Lake	12350.7*	Max WS	9718.50	21.19	44.08		44.08	0.000010	0.48	20581.20	1116.89	0.02
Hempstead Lake	12342.0*	Max WS	9718.50	21.17	44.08		44.08	0.000010	0.49	20242.64	1105.84	0.02
Hempstead Lake	12333.3*	Max WS	9718.49	21.16	44.08		44.08	0.000010	0.50	19903.57	1094.86	0.02
Hempstead Lake	12324.7*	Max WS	9718.49	21.14	44.08		44.08	0.000011	0.51	19566.96	1083.45	0.02
Hempstead Lake	12316.0*	Max WS	9718.48	21.13	44.08		44.08	0.000011	0.52	19234.01	1071.87	0.02
Hempstead Lake	12307.3*	Max WS	9718.48	21.11	44.08		44.08	0.000011	0.53	18902.60	1060.42	0.02
Hempstead Lake	12298.6*	Max WS	9719.14	21.10	44.08		44.08	0.000011	0.54	18572.46	1048.49	0.02
Hempstead Lake	12289.9*	Max WS	9719.07	21.09	44.08		44.08	0.000011	0.55	18245.21	1036.78	0.02
Hempstead Lake	12281.2*	Max WS	9718.47	21.07	44.08		44.08	0.000012	0.56	17920.19	1024.77	0.02
Hempstead Lake	12272.5*	Max WS	9718.47	21.06	44.08		44.08	0.000012	0.57	17596.33	1012.64	0.02
Hempstead Lake	12263.8*	Max WS	9718.47	21.04	44.08		44.08	0.000012	0.58	17274.01	1000.05	0.02
Hempstead Lake	12255.1*	Max WS	9718.46	21.03	44.07		44.08	0.000013	0.59	16953.66	987.43	0.02
Hempstead Lake	12246.4*	Max WS	9718.46	21.01	44.07		44.08	0.000013	0.60	16636.50	974.44	0.02
Hempstead Lake	12237.7*	Max WS	9718.67	21.00	44.07		44.08	0.000014	0.62	16320.54	961.61	0.02
Hempstead Lake	12229.1*	Max WS	9718.60	20.99	44.07		44.08	0.000014	0.63	16006.33	948.44	0.02
Hempstead Lake	12220.4*	Max WS	9718.54	20.97	44.07		44.08	0.000014	0.64	15692.80	935.20	0.03
Hempstead Lake	12211.7*	Max WS	9718.47	20.96	44.07		44.08	0.000015	0.66	15382.75	922.03	0.03
Hempstead Lake	12203.0*	Max WS	9718.41	20.94	44.07		44.08	0.000015	0.67	15073.20	908.60	0.03
Hempstead Lake	12194.3*	Max WS	9718.46	20.93	44.07		44.08	0.000016	0.69	14765.83	895.20	0.03
Hempstead Lake	12185.6*	Max WS	9718.46	20.91	44.07		44.08	0.000016	0.70	14460.61	881.42	0.03
Hempstead Lake	12176.9*	Max WS	9718.45	20.90	44.07		44.08	0.000017	0.72	14156.31	867.70	0.03
Hempstead Lake	12168.2*	Max WS	9718.18	20.89	44.07		44.08	0.000017	0.74	13854.35	853.94	0.03
Hempstead Lake	12159.5*	Max WS	9718.12	20.87	44.07		44.08	0.000018	0.75	13553.80	840.04	0.03
Hempstead Lake	12150.8*	Max WS	9718.06	20.86	44.07		44.08	0.000018	0.77	13254.63	826.04	0.03
Hempstead Lake	12142.1*	Max WS	9718.45	20.84	44.07		44.08	0.000016	0.79	12957.21	812.04	0.03
Hempstead Lake	12133.5*	Max WS	9717.95	20.83	44.07		44.08	0.000017	0.81	12661.74	798.00	0.03
Hempstead Lake	12124.8*	Max WS	9718.45	20.81	44.07		44.08	0.000017	0.84	12368.21	783.80	0.03
Hempstead Lake	12116.1*	Max WS	9717.85	20.80	44.07		44.08	0.000018	0.86	12075.22	769.48	0.03
Hempstead Lake	12107.4*	Max WS	9717.80	20.79	44.07		44.08	0.000018	0.88	11783.85	754.80	0.04
Hempstead Lake	12098.7*	Max WS	9717.75	20.77	44.07		44.08	0.000018	0.90	11494.65	739.79	0.04
Hempstead Lake	12090.0*	Max WS	9717.70	20.76	44.06		44.08	0.000019	0.93	11206.67	724.82	0.04
Hempstead Lake	12081.3*	Max WS	9717.66	20.74	44.06		44.08	0.000019	0.96	10920.63	709.62	0.04
Hempstead Lake	12072.6*	Max WS	9717.61	20.73	44.06		44.08	0.000020	0.98	10634.74	694.33	0.04
Hempstead Lake	12063.9*	Max WS	9717.57	20.71	44.06		44.08	0.000020	1.01	10351.12	678.95	0.04
Hempstead Lake	12055.2*	Max WS	9717.53	20.70	44.06		44.08	0.000020	1.05	10069.33	663.45	0.04
Hempstead Lake	12046.5*	Max WS	9717.49	20.69	44.06		44.08	0.000021	1.08	9787.69	647.86	0.04
Hempstead Lake	12037.9*	Max WS	9717.45	20.67	44.06		44.08	0.000021	1.11	9509.00	632.19	0.05
Hempstead Lake	12029.2*	Max WS	9717.41	20.66	44.06		44.08	0.000022	1.15	9230.19	616.43	0.05
Hempstead Lake	12020.5*	Max WS	9717.37	20.64	44.06		44.08	0.000022	1.19	8953.36	600.47	0.05
Hempstead Lake	12011.8*	Max WS	9717.33	20.63	44.05		44.08	0.000023	1.23	8677.58	584.32	0.05
Hempstead Lake	12003.1*	Max WS	9717.30	20.61	44.05		44.08	0.000024	1.27	8402.95	568.15	0.05
Hempstead Lake	11994.45	Max WS	9717.26	20.60	44.05		44.08	0.000065	1.29	8130.31	551.77	0.05
Hempstead Lake	11989.45	Max WS	10101.25	19.90	44.05		44.07	0.000078	1.40	7809.87	551.67	0.06
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	3731.07	19.90	38.94		39.57	0.000465	6.35	587.79	468.75	0.28
Hempstead Lake	11964.45	Max WS	10074.50	20.15	40.17		40.22	0.000212	1.94	5512.47	488.01	0.09
Hempstead Lake	11954.6*	Max WS	10074.29	20.12	40.16		40.22	0.000081	2.02	5451.22	496.06	0.10
Hempstead Lake	11944.8*	Max WS	10074.09	20.08	40.16		40.22	0.000087	2.05	5395.11	505.16	0.10
Hempstead Lake	11934.9*	Max WS	10073.91	20.05	40.16		40.22	0.000092	2.08	5343.73	516.38	0.10
Hempstead Lake	11925.1*	Max WS	10073.75	20.01	40.16		40.22	0.000099	2.11	5298.93	527.82	0.11
Hempstead Lake	11915.3*	Max WS	10073.60	19.98	40.16		40.22	0.000159	2.11	5260.30	539.68	0.11

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	10073.47	19.94	40.15		40.22	0.000164	2.14	5227.01	550.78	0.11
Hempstead Lake	11895.6*	Max WS	10073.36	19.91	40.15		40.22	0.000171	2.17	5199.43	562.45	0.11
Hempstead Lake	11885.8*	Max WS	10075.56	19.87	40.15		40.22	0.000176	2.19	5179.00	574.83	0.11
Hempstead Lake	11876.0*	Max WS	10075.52	19.84	40.14		40.21	0.000183	2.22	5166.36	587.25	0.12
Hempstead Lake	11866.2*	Max WS	10075.45	19.80	40.14		40.21	0.000189	2.24	5160.41	600.32	0.12
Hempstead Lake	11856.4*	Max WS	10075.33	19.77	40.14		40.21	0.000194	2.26	5161.08	604.50	0.12
Hempstead Lake	11846.5*	Max WS	10075.15	19.73	40.14		40.21	0.000199	2.28	5163.33	606.16	0.12
Hempstead Lake	11836.7*	Max WS	10074.92	19.70	40.13		40.21	0.000204	2.30	5166.21	607.82	0.12
Hempstead Lake	11826.9*	Max WS	10074.61	19.66	40.13		40.21	0.000163	2.35	5169.45	609.47	0.13
Hempstead Lake	11817.1*	Max WS	10074.23	19.63	40.13		40.21	0.000169	2.36	5174.55	611.13	0.13
Hempstead Lake	11807.2*	Max WS	10073.76	19.59	40.13		40.20	0.000175	2.37	5182.08	612.78	0.13
Hempstead Lake	11797.46	Max WS	10073.19	19.56	40.12		40.20	0.000119	2.40	5189.24	614.44	0.13
Hempstead Lake	11792.46	Max WS	10072.79	19.56	40.12		40.20	0.000119	2.43	5149.19	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	10101.14	19.54	38.62		38.84	0.001077	3.89	2893.52	614.44	0.31
Hempstead Lake	11627.46	Max WS	10101.14	19.54	38.63		38.83	0.000910	3.74	2993.74	614.44	0.29
Hempstead Lake	11623.2*	Max WS	10101.14	19.43	38.66		38.82	0.001902	3.39	3208.84	645.38	0.26
Hempstead Lake	11619.1*	Max WS	10101.14	19.31	38.67		38.81	0.001655	3.22	3409.99	676.31	0.24
Hempstead Lake	11614.94	Max WS	10101.13	19.20	38.66		38.81	0.000573	3.24	3597.85	707.25	0.24
Hempstead Lake	11612.94	Max WS	10101.13	19.20	38.66		38.81	0.000542	3.20	3638.82	707.25	0.24
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	4486.21	19.20	36.50		36.57	0.000251	2.17	2309.03	700.38	0.20
Hempstead Lake	11598.94	Max WS	4450.62	19.20	36.51		36.57	0.000240	2.06	2400.82	701.03	0.18
Hempstead Lake	11573.9*	Max WS	4404.07	19.18	36.52		36.56	0.000088	1.58	3153.63	776.16	0.12
Hempstead Lake	11548.9*	Max WS	4359.71	19.15	36.52		36.55	0.000057	1.27	3950.69	851.14	0.09
Hempstead Lake	11523.9*	Max WS	4064.91	19.12	36.53		36.54	0.000036	0.98	4794.56	925.74	0.07
Hempstead Lake	11498.9*	Max WS	4062.55	19.10	36.53		36.54	0.000028	0.83	5686.49	1001.73	0.05
Hempstead Lake	11473.9*	Max WS	4060.43	19.08	36.53		36.54	0.000022	0.71	6625.72	1079.01	0.04
Hempstead Lake	11448.9*	Max WS	4058.62	19.05	36.53		36.54	0.000017	0.62	7609.31	1156.86	0.04
Hempstead Lake	11423.9*	Max WS	4057.14	19.02	36.53		36.54	0.000014	0.54	8639.64	1235.13	0.03
Hempstead Lake	11398.9*	Max WS	4056.06	19.00	36.53		36.54	0.000011	0.47	9716.11	1313.68	0.03
Hempstead Lake	11373.9*	Max WS	4055.41	18.98	36.53		36.54	0.000008	0.41	10838.22	1392.59	0.02
Hempstead Lake	11349.*	Max WS	4053.49	18.95	36.53		36.54	0.000007	0.36	12005.72	1466.75	0.02
Hempstead Lake	11324.*	Max WS	4052.79	18.92	36.53		36.54	0.000005	0.31	13223.08	1538.81	0.02
Hempstead Lake	11299.0*	Max WS	4082.12	18.90	36.53		36.54	0.000004	0.28	14483.76	1610.89	0.01
Hempstead Lake	11274.0*	Max WS	4081.76	18.88	36.54		36.54	0.000003	0.25	15794.92	1683.66	0.01
Hempstead Lake	11249.0*	Max WS	4081.13	18.85	36.54		36.54	0.000003	0.21	17152.26	1756.24	0.01
Hempstead Lake	11224.0*	Max WS	4080.14	18.83	36.54		36.54	0.000002	0.19	18558.60	1828.42	0.01
Hempstead Lake	11199.0*	Max WS	4078.69	18.80	36.54		36.54	0.000002	0.17	20009.37	1901.14	0.01
Hempstead Lake	11174.0*	Max WS	4076.72	18.77	36.54		36.54	0.000001	0.15	21508.45	1973.87	0.01
Hempstead Lake	11149.0*	Max WS	4074.17	18.75	36.54		36.54	0.000001	0.13	23054.95	2030.32	0.01
Hempstead Lake	11124.0*	Max WS	4071.03	18.73	36.54		36.54	0.000001	0.11	24653.79	2049.79	0.01
Hempstead Lake	11099.0*	Max WS	4067.31	18.70	36.54		36.54	0.000001	0.10	26301.29	2110.73	0.00
Hempstead Lake	11074.0*	Max WS	4062.97	18.67	36.54		36.54	0.000000	0.09	28000.38	2174.82	0.00
Hempstead Lake	11049.07	Max WS	4057.97	18.65	36.54		36.54	0.000000	0.14	29744.51	2239.39	0.01
Hempstead Lake	11038.4*	Max WS	4054.77	18.61	36.54		36.54	0.000000	0.08	29030.14	2205.58	0.00
Hempstead Lake	11027.7*	Max WS	4051.42	18.58	36.54		36.54	0.000000	0.09	28335.22	2179.91	0.00
Hempstead Lake	11017.0*	Max WS	4047.92	18.54	36.54		36.54	0.000001	0.09	27655.85	2154.14	0.00
Hempstead Lake	11006.4*	Max WS	4044.26	18.50	36.54		36.54	0.000001	0.10	26992.82	2128.49	0.00
Hempstead Lake	10995.7*	Max WS	4040.45	18.47	36.54		36.54	0.000001	0.11	26350.76	2102.82	0.00
Hempstead Lake	10985.0*	Max WS	4036.48	18.43	36.54		36.54	0.000001	0.11	25725.04	2077.18	0.01
Hempstead Lake	10974.4*	Max WS	4032.36	18.39	36.54		36.54	0.000001	0.12	25116.10	2051.53	0.01
Hempstead Lake	10963.7*	Max WS	4028.08	18.35	36.54		36.54	0.000001	0.13	24526.52	2026.78	0.01
Hempstead Lake	10953.1*	Max WS	4023.65	18.32	36.54		36.54	0.000001	0.14	23954.28	2003.01	0.01
Hempstead Lake	10942.4*	Max WS	4019.05	18.28	36.54		36.54	0.000001	0.14	23398.34	1979.27	0.01
Hempstead Lake	10931.7*	Max WS	4014.30	18.24	36.54		36.54	0.000001	0.15	22856.53	1950.87	0.01
Hempstead Lake	10921.1*	Max WS	4009.45	18.21	36.54		36.54	0.000001	0.16	22341.00	1868.94	0.01
Hempstead Lake	10910.4*	Max WS	4004.57	18.17	36.53		36.54	0.000001	0.16	21856.23	1774.40	0.01
Hempstead Lake	10899.7*	Max WS	3999.69	18.13	36.53		36.54	0.000001	0.17	21392.79	1731.16	0.01
Hempstead Lake	10889.1*	Max WS	4077.75	18.10	36.53		36.54	0.000001	0.19	20947.96	1711.46	0.01
Hempstead Lake	10878.4*	Max WS	4077.59	18.06	36.53		36.53	0.000002	0.19	20517.88	1691.85	0.01
Hempstead Lake	10867.8*	Max WS	4077.29	18.02	36.53		36.53	0.000002	0.20	20104.33	1672.58	0.01
Hempstead Lake	10857.1*	Max WS	4076.88	17.99	36.53		36.53	0.000002	0.21	19705.47	1653.66	0.01
Hempstead Lake	10846.4*	Max WS	4076.33	17.95	36.53		36.53	0.000002	0.22	19324.60	1634.61	0.01
Hempstead Lake	10835.8*	Max WS	4075.64	17.91	36.53		36.53	0.000002	0.22	18956.90	1615.57	0.01
Hempstead Lake	10825.1*	Max WS	4074.83	17.88	36.53		36.53	0.000002	0.23	18606.26	1596.84	0.01
Hempstead Lake	10814.4*	Max WS	4073.88	17.84	36.53		36.53	0.000002	0.24	18271.98	1578.00	0.01
Hempstead Lake	10803.8*	Max WS	4072.80	17.80	36.53		36.53	0.000002	0.24	17951.86	1559.30	0.01
Hempstead Lake	10793.1*	Max WS	4071.59	17.76	36.53		36.53	0.000002	0.25	17649.46	1540.63	0.01
Hempstead Lake	10782.4*	Max WS	4070.26	17.73	36.53		36.53	0.000002	0.25	17360.59	1522.02	0.01
Hempstead Lake	10771.8*	Max WS	4068.79	17.69	36.53		36.53	0.000002	0.26	17088.60	1503.61	0.01
Hempstead Lake	10761.1*	Max WS	4067.21	17.65	36.53		36.53	0.000002	0.26	16833.62	1485.19	0.01
Hempstead Lake	10750.5*	Max WS	4065.52	17.62	36.53		36.53	0.000002	0.27	16591.55	1466.89	0.01
Hempstead Lake	10739.8*	Max WS	4063.71	17.58	36.53		36.53	0.000002	0.27	16366.14	1448.64	0.01
Hempstead Lake	10729.1*	Max WS	4061.79	17.54	36.53		36.53	0.000002	0.27	16156.99	1430.44	0.01
Hempstead Lake	10718.5*	Max WS	4059.77	17.51	36.53		36.53	0.000002	0.27	15961.28	1412.34	0.01
Hempstead Lake	10707.8*	Max WS	4057.65	17.47	36.53		36.53	0.000002	0.27	15784.25	1394.47	0.01
Hempstead Lake	10697.1*	Max WS	4055.44	17.43	36.53		36.53	0.000002	0.28	15620.17	1376.58	0.01
Hempstead Lake	10686.5*	Max WS	4053.15	17.40	36.53		36.53	0.000002	0.28	15473.50	1358.88	0.01
Hempstead Lake	10675.8*	Max WS	4050.77	17.36	36.53		36.53	0.000002	0.28	15340.77	1341.19	0.01
Hempstead Lake	10665.2*	Max WS	4048.32	17.32	36.53		36.53	0.000001	0.28	15223.79	1323.42	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	4045.80	17.29	36.52		36.53	0.000001	0.28	15121.83	1305.46	0.01
Hempstead Lake	10643.8*	Max WS	4043.22	17.25	36.52		36.53	0.000001	0.28	15036.08	1287.85	0.01
Hempstead Lake	10633.2*	Max WS	4040.59	17.21	36.52		36.52	0.000001	0.28	14965.40	1270.62	0.01
Hempstead Lake	10622.5*	Max WS	4037.91	17.17	36.52		36.52	0.000001	0.28	14909.67	1253.55	0.01
Hempstead Lake	10611.8*	Max WS	4035.18	17.14	36.52		36.52	0.000001	0.27	14868.28	1237.04	0.01
Hempstead Lake	10601.2*	Max WS	4032.42	17.10	36.52		36.52	0.000001	0.27	14842.53	1220.83	0.01
Hempstead Lake	10590.5*	Max WS	4029.64	17.06	36.52		36.52	0.000001	0.27	14830.91	1205.11	0.01
Hempstead Lake	10579.8*	Max WS	4026.83	17.03	36.52		36.52	0.000001	0.27	14834.51	1189.76	0.01
Hempstead Lake	10569.23	Max WS	4024.00	16.99	36.52		36.52	0.000001	0.27	14851.99	1174.57	0.01
Hempstead Lake	10549.1*	Max WS	4021.08	16.96	36.52		36.52	0.000001	0.27	14889.62	1171.46	0.01
Hempstead Lake	10529.0*	Max WS	4018.15	16.94	36.52		36.52	0.000001	0.27	14929.04	1168.23	0.01
Hempstead Lake	10508.9*	Max WS	4015.20	16.91	36.52		36.52	0.000001	0.27	14967.90	1165.03	0.01
Hempstead Lake	10488.7*	Max WS	4012.25	16.89	36.52		36.52	0.000001	0.27	15005.94	1161.69	0.01
Hempstead Lake	10468.6*	Max WS	4009.30	16.86	36.52		36.52	0.000001	0.27	15046.52	1158.24	0.01
Hempstead Lake	10448.5*	Max WS	4214.62	16.83	36.51		36.52	0.000001	0.28	15087.99	1154.86	0.01
Hempstead Lake	10428.4*	Max WS	4214.54	16.81	36.51		36.52	0.000001	0.28	15127.75	1151.36	0.01
Hempstead Lake	10408.3*	Max WS	4214.41	16.78	36.51		36.51	0.000001	0.28	15170.61	1147.71	0.01
Hempstead Lake	10388.2*	Max WS	4214.23	16.76	36.51		36.51	0.000001	0.28	15211.65	1144.18	0.01
Hempstead Lake	10368.1*	Max WS	4214.01	16.73	36.51		36.51	0.000001	0.28	15256.21	1140.53	0.01
Hempstead Lake	10348.0*	Max WS	4213.74	16.71	36.51		36.51	0.000001	0.28	15298.92	1136.69	0.01
Hempstead Lake	10327.9*	Max WS	4213.43	16.68	36.51		36.51	0.000001	0.27	15343.29	1132.22	0.01
Hempstead Lake	10307.8*	Max WS	4213.09	16.65	36.51		36.51	0.000001	0.27	15389.42	1127.86	0.01
Hempstead Lake	10287.7*	Max WS	4212.73	16.63	36.51		36.51	0.000001	0.27	15435.40	1122.88	0.01
Hempstead Lake	10267.6*	Max WS	4212.33	16.60	36.51		36.51	0.000001	0.27	15482.67	1118.18	0.01
Hempstead Lake	10247.4*	Max WS	4211.91	16.58	36.51		36.51	0.000001	0.27	15528.78	1113.41	0.01
Hempstead Lake	10227.3*	Max WS	4211.48	16.55	36.51		36.51	0.000001	0.27	15577.01	1109.24	0.01
Hempstead Lake	10207.2*	Max WS	4211.03	16.52	36.51		36.51	0.000001	0.27	15627.33	1105.20	0.01
Hempstead Lake	10187.1*	Max WS	4210.56	16.50	36.50		36.51	0.000001	0.27	15675.71	1101.66	0.01
Hempstead Lake	10167.0*	Max WS	4210.06	16.47	36.50		36.51	0.000001	0.27	15727.35	1114.29	0.01
Hempstead Lake	10146.9*	Max WS	4209.55	16.45	36.50		36.50	0.000001	0.27	15782.34	1159.47	0.01
Hempstead Lake	10126.8*	Max WS	4209.01	16.42	36.50		36.50	0.000001	0.27	15848.82	1177.25	0.01
Hempstead Lake	10106.7*	Max WS	4208.47	16.40	36.50		36.50	0.000001	0.26	15913.72	1186.77	0.01
Hempstead Lake	10086.6*	Max WS	4207.92	16.37	36.50		36.50	0.000001	0.26	15984.21	1197.72	0.01
Hempstead Lake	10066.5*	Max WS	4207.35	16.34	36.50		36.50	0.000001	0.26	16058.48	1209.16	0.01
Hempstead Lake	10046.4*	Max WS	4206.78	16.32	36.50		36.50	0.000001	0.26	16135.33	1221.27	0.01
Hempstead Lake	10026.2*	Max WS	4206.21	16.29	36.50		36.50	0.000001	0.26	16216.40	1232.27	0.01
Hempstead Lake	10006.1*	Max WS	4205.64	16.27	36.50		36.50	0.000001	0.26	16299.53	1242.72	0.01
Hempstead Lake	9986.073	Max WS	4205.06	16.24	36.50		36.50	0.000001	0.26	16386.68	1251.71	0.01
Hempstead Lake	9965.77*	Max WS	4204.48	16.21	36.50		36.50	0.000001	0.26	16373.97	1252.36	0.01
Hempstead Lake	9945.47*	Max WS	4203.90	16.19	36.49		36.50	0.000001	0.26	16357.33	1251.79	0.01
Hempstead Lake	9925.18*	Max WS	4203.32	16.16	36.49		36.50	0.000001	0.26	16340.75	1251.99	0.01
Hempstead Lake	9904.88*	Max WS	4202.76	16.13	36.49		36.49	0.000001	0.26	16323.96	1253.38	0.01
Hempstead Lake	9884.59*	Max WS	4202.22	16.11	36.49		36.49	0.000001	0.26	16304.66	1253.33	0.01
Hempstead Lake	9864.29*	Max WS	4201.70	16.08	36.49		36.49	0.000001	0.26	16286.92	1251.89	0.01
Hempstead Lake	9843.99*	Max WS	4201.20	16.05	36.49		36.49	0.000001	0.26	16266.90	1248.90	0.01
Hempstead Lake	9823.7*	Max WS	4200.71	16.03	36.49		36.49	0.000001	0.26	16245.96	1245.10	0.01
Hempstead Lake	9803.40*	Max WS	4200.25	16.00	36.49		36.49	0.000001	0.26	16223.59	1239.87	0.01
Hempstead Lake	9783.10*	Max WS	4199.79	15.97	36.49		36.49	0.000001	0.26	16200.95	1233.41	0.01
Hempstead Lake	9762.81*	Max WS	4199.35	15.95	36.49		36.49	0.000001	0.26	16176.77	1225.91	0.01
Hempstead Lake	9742.51*	Max WS	4198.92	15.92	36.49		36.49	0.000001	0.26	16152.60	1217.09	0.01
Hempstead Lake	9722.21*	Max WS	4198.52	15.89	36.48		36.49	0.000001	0.26	16128.58	1192.67	0.01
Hempstead Lake	9701.92*	Max WS	4198.16	15.87	36.48		36.49	0.000001	0.26	16107.87	1123.67	0.01
Hempstead Lake	9681.62*	Max WS	4197.81	15.84	36.48		36.48	0.000001	0.26	16089.17	1101.85	0.01
Hempstead Lake	9661.32*	Max WS	4197.50	15.81	36.48		36.48	0.000001	0.26	16073.68	1077.51	0.01
Hempstead Lake	9641.03*	Max WS	3668.90	15.79	36.48		36.48	0.000001	0.23	16057.86	1054.61	0.01
Hempstead Lake	9620.73*	Max WS	3668.17	15.76	36.48		36.48	0.000001	0.23	16043.47	1053.46	0.01
Hempstead Lake	9600.43*	Max WS	3667.44	15.73	36.48		36.48	0.000001	0.23	16027.43	1051.73	0.01
Hempstead Lake	9580.14*	Max WS	3666.71	15.71	36.48		36.48	0.000000	0.23	16011.06	1048.91	0.01
Hempstead Lake	9559.84*	Max WS	3665.99	15.68	36.48		36.48	0.000000	0.23	15994.25	1046.38	0.01
Hempstead Lake	9539.54*	Max WS	3665.27	15.66	36.48		36.48	0.000000	0.23	15975.75	1044.37	0.01
Hempstead Lake	9519.25*	Max WS	3664.55	15.63	36.48		36.48	0.000000	0.23	15956.39	1042.33	0.01
Hempstead Lake	9498.95*	Max WS	3663.83	15.60	36.48		36.48	0.000000	0.23	15938.69	1040.27	0.01
Hempstead Lake	9478.65*	Max WS	3663.12	15.58	36.48		36.48	0.000000	0.23	15917.75	1038.22	0.01
Hempstead Lake	9458.36*	Max WS	3662.42	15.55	36.48		36.48	0.000000	0.23	15897.38	1035.99	0.01
Hempstead Lake	9438.06*	Max WS	3661.71	15.52	36.48		36.48	0.000000	0.23	15874.37	1033.71	0.01
Hempstead Lake	9417.76*	Max WS	3661.01	15.50	36.47		36.48	0.000000	0.23	15852.37	1031.53	0.01
Hempstead Lake	9397.47*	Max WS	3660.31	15.47	36.47		36.48	0.000000	0.24	15828.51	1029.35	0.01
Hempstead Lake	9377.17*	Max WS	3659.60	15.44	36.47		36.47	0.000000	0.24	15805.88	1027.12	0.01
Hempstead Lake	9356.87*	Max WS	3658.90	15.42	36.47		36.47	0.000000	0.24	15778.60	1025.00	0.01
Hempstead Lake	9336.58*	Max WS	3658.21	15.39	36.47		36.47	0.000000	0.24	15754.09	1022.74	0.01
Hempstead Lake	9316.28*	Max WS	3657.53	15.36	36.47		36.47	0.000000	0.24	15727.93	1020.27	0.01
Hempstead Lake	9295.98*	Max WS	3656.85	15.34	36.47		36.47	0.000000	0.24	15700.02	1018.08	0.01
Hempstead Lake	9275.69*	Max WS	3656.17	15.31	36.47		36.47	0.000000	0.24	15672.06	1015.75	0.01
Hempstead Lake	9255.39*	Max WS	3655.49	15.28	36.47		36.47	0.000000	0.24	15643.60	1013.55	0.01
Hempstead Lake	9235.09*	Max WS	3654.81	15.26	36.47		36.47	0.000000	0.24	15612.43	1011.19	0.01
Hempstead Lake	9214.80*	Max WS	3654.14	15.23	36.47		36.47	0.000000	0.24	15583.92	1009.18	0.01
Hempstead Lake	9194.50*	Max WS	3841.60	15.20	36.47		36.47	0.000001	0.25	15551.24	1006.92	0.01
Hempstead Lake	9174.20*	Max WS	3841.59	15.18	36.47		36.47	0.000001	0.26	15518.51	1005.06	0.01
Hempstead Lake	9153.910	Max WS	3841.57	15.15	36.47		36.47	0.000001	0.26	15486.75	1002.90	0.01
Hempstead Lake	9133.22*	Max WS	3968.64	15.12	36.47		36.47	0.000001	0.26	15538.77	1010.09	0.01
Hempstead Lake	9112.54*	Max WS	3968.61	15.10	36.46		36.47	0.000001	0.26	15586.54	1017.44	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	3968.58	15.07	36.46		36.47	0.000001	0.26	15637.28	1024.89	0.01
Hempstead Lake	9071.17*	Max WS	3968.53	15.05	36.46		36.46	0.000001	0.26	15684.91	1032.47	0.01
Hempstead Lake	9050.49*	Max WS	3968.49	15.02	36.46		36.46	0.000001	0.26	15731.88	1040.12	0.01
Hempstead Lake	9029.80*	Max WS	3968.43	15.00	36.46		36.46	0.000001	0.26	15777.20	1047.82	0.01
Hempstead Lake	9009.12*	Max WS	3968.36	14.97	36.46		36.46	0.000001	0.26	15822.63	1055.76	0.01
Hempstead Lake	8988.44*	Max WS	3968.28	14.95	36.46		36.46	0.000001	0.26	15866.46	1063.86	0.01
Hempstead Lake	8967.75*	Max WS	3409.15	14.92	36.46		36.46	0.000000	0.22	15909.48	1072.14	0.01
Hempstead Lake	8947.07*	Max WS	3409.06	14.90	36.46		36.46	0.000000	0.22	15951.33	1080.61	0.01
Hempstead Lake	8926.39*	Max WS	3408.97	14.87	36.46		36.46	0.000000	0.22	15992.71	1089.47	0.01
Hempstead Lake	8905.70*	Max WS	3408.88	14.85	36.46		36.46	0.000000	0.22	16033.61	1098.24	0.01
Hempstead Lake	8885.02*	Max WS	3408.79	14.82	36.46		36.46	0.000000	0.22	16073.09	1107.48	0.01
Hempstead Lake	8864.33*	Max WS	3408.71	14.80	36.46		36.46	0.000000	0.22	16110.83	1116.99	0.01
Hempstead Lake	8843.65*	Max WS	3408.63	14.77	36.46		36.46	0.000000	0.22	16149.58	1126.88	0.01
Hempstead Lake	8822.97*	Max WS	3408.56	14.75	36.46		36.46	0.000000	0.22	16186.41	1148.37	0.01
Hempstead Lake	8802.28*	Max WS	3408.49	14.72	36.46		36.46	0.000000	0.22	16224.30	1173.50	0.01
Hempstead Lake	8781.60*	Max WS	3408.42	14.70	36.46		36.46	0.000000	0.22	16264.24	1202.48	0.01
Hempstead Lake	8760.92*	Max WS	3408.34	14.67	36.46		36.46	0.000000	0.22	16305.83	1235.52	0.01
Hempstead Lake	8740.23*	Max WS	3408.27	14.65	36.46		36.46	0.000000	0.22	16352.06	1302.95	0.01
Hempstead Lake	8719.55*	Max WS	3408.20	14.62	36.46		36.46	0.000000	0.21	16401.53	1340.81	0.01
Hempstead Lake	8698.86*	Max WS	3408.13	14.60	36.45		36.46	0.000000	0.21	16457.57	1394.07	0.01
Hempstead Lake	8678.18*	Max WS	3408.06	14.57	36.45		36.45	0.000000	0.21	16516.75	1451.59	0.01
Hempstead Lake	8657.50*	Max WS	3408.00	14.55	36.45		36.45	0.000000	0.21	16578.36	1486.57	0.01
Hempstead Lake	8636.81*	Max WS	3407.95	14.52	36.45		36.45	0.000000	0.21	16642.84	1507.97	0.01
Hempstead Lake	8616.13*	Max WS	3407.89	14.50	36.45		36.45	0.000000	0.21	16706.78	1534.04	0.01
Hempstead Lake	8595.45*	Max WS	3407.84	14.47	36.45		36.45	0.000000	0.21	16774.82	1560.08	0.01
Hempstead Lake	8574.76*	Max WS	3407.79	14.45	36.45		36.45	0.000000	0.21	16839.82	1584.00	0.01
Hempstead Lake	8554.08*	Max WS	3407.74	14.42	36.45		36.45	0.000000	0.21	16906.51	1606.49	0.01
Hempstead Lake	8533.39*	Max WS	3407.69	14.40	36.45		36.45	0.000000	0.21	16975.02	1628.98	0.01
Hempstead Lake	8512.71*	Max WS	3407.64	14.37	36.45		36.45	0.000000	0.21	17042.52	1651.45	0.01
Hempstead Lake	8492.03*	Max WS	3407.61	14.35	36.45		36.45	0.000000	0.21	17112.33	1671.76	0.01
Hempstead Lake	8471.34*	Max WS	3407.57	14.32	36.45		36.45	0.000000	0.21	17181.81	1691.62	0.01
Hempstead Lake	8450.66*	Max WS	3407.54	14.30	36.45		36.45	0.000000	0.21	17251.37	1708.44	0.01
Hempstead Lake	8429.980	Max WS	3407.51	14.27	36.45		36.45	0.000000	0.21	17319.91	1723.14	0.01
Hempstead Lake	8416.34*	Max WS	3407.50	14.25	36.45		36.45	0.000000	0.21	17413.93	1731.67	0.01
Hempstead Lake	8402.71*	Max WS	3407.48	14.23	36.45		36.45	0.000000	0.21	17509.71	1743.19	0.01
Hempstead Lake	8389.07*	Max WS	3407.46	14.21	36.45		36.45	0.000000	0.21	17604.76	1753.87	0.01
Hempstead Lake	8375.44*	Max WS	3407.44	14.19	36.45		36.45	0.000000	0.20	17703.80	1764.98	0.01
Hempstead Lake	8361.81*	Max WS	3407.42	14.16	36.45		36.45	0.000000	0.20	17800.22	1776.71	0.01
Hempstead Lake	8348.17*	Max WS	3407.40	14.14	36.45		36.45	0.000000	0.20	17899.56	1789.08	0.01
Hempstead Lake	8334.54*	Max WS	3407.39	14.12	36.45		36.45	0.000000	0.20	17996.69	1800.13	0.01
Hempstead Lake	8320.91*	Max WS	3407.37	14.10	36.45		36.45	0.000000	0.20	18096.20	1812.23	0.01
Hempstead Lake	8307.27*	Max WS	3407.34	14.08	36.45		36.45	0.000000	0.20	18195.60	1825.11	0.01
Hempstead Lake	8293.64*	Max WS	3407.32	14.06	36.45		36.45	0.000000	0.20	18298.78	1837.65	0.01
Hempstead Lake	8280.00*	Max WS	3407.30	14.04	36.45		36.45	0.000000	0.20	18399.46	1850.25	0.01
Hempstead Lake	8266.37*	Max WS	3407.28	14.02	36.45		36.45	0.000000	0.19	18499.19	1863.06	0.01
Hempstead Lake	8252.74*	Max WS	3407.26	13.99	36.45		36.45	0.000000	0.19	18601.92	1882.01	0.01
Hempstead Lake	8239.10*	Max WS	3407.23	13.97	36.45		36.45	0.000000	0.19	18704.96	1902.19	0.01
Hempstead Lake	8225.47*	Max WS	3407.21	13.95	36.44		36.45	0.000000	0.19	18811.55	1923.52	0.01
Hempstead Lake	8211.84*	Max WS	3407.19	13.93	36.44		36.45	0.000000	0.19	18917.42	1946.14	0.01
Hempstead Lake	8198.20*	Max WS	3407.16	13.91	36.44		36.44	0.000000	0.19	19025.98	1968.30	0.01
Hempstead Lake	8184.57*	Max WS	3407.13	13.89	36.44		36.44	0.000000	0.19	19134.12	1987.08	0.01
Hempstead Lake	8170.93*	Max WS	3407.10	13.87	36.44		36.44	0.000000	0.19	19243.77	2003.73	0.01
Hempstead Lake	8157.30*	Max WS	3407.07	13.85	36.44		36.44	0.000000	0.19	19353.00	2018.62	0.01
Hempstead Lake	8143.67*	Max WS	3407.04	13.82	36.44		36.44	0.000000	0.19	19467.43	2036.68	0.01
Hempstead Lake	8130.03*	Max WS	3407.01	13.80	36.44		36.44	0.000000	0.18	19578.23	2054.72	0.01
Hempstead Lake	8116.40*	Max WS	3406.98	13.78	36.44		36.44	0.000000	0.18	19694.57	2074.56	0.01
Hempstead Lake	8102.76*	Max WS	3406.94	13.76	36.44		36.44	0.000000	0.18	19808.78	2105.51	0.01
Hempstead Lake	8089.13*	Max WS	3406.91	13.74	36.44		36.44	0.000000	0.18	19925.29	2162.76	0.01
Hempstead Lake	8075.50*	Max WS	3406.87	13.72	36.44		36.44	0.000000	0.18	20047.53	2217.23	0.01
Hempstead Lake	8061.86*	Max WS	3406.83	13.70	36.44		36.44	0.000000	0.18	20173.00	2278.26	0.01
Hempstead Lake	8048.23*	Max WS	3406.79	13.68	36.44		36.44	0.000000	0.18	20302.61	2338.19	0.01
Hempstead Lake	8034.6*	Max WS	3546.80	13.65	36.44		36.44	0.000000	0.18	20436.01	2389.36	0.01
Hempstead Lake	8020.96*	Max WS	3546.79	13.63	36.44		36.44	0.000000	0.18	20574.53	2442.39	0.01
Hempstead Lake	8007.33*	Max WS	4716.08	13.61	36.44		36.44	0.000001	0.24	20713.86	2479.63	0.01
Hempstead Lake	7993.69*	Max WS	4454.11	13.59	36.44		36.44	0.000000	0.23	20858.25	2480.12	0.01
Hempstead Lake	7980.06*	Max WS	4166.00	13.57	36.44		36.44	0.000000	0.21	21006.50	2487.02	0.01
Hempstead Lake	7966.43*	Max WS	4056.90	13.55	36.44		36.44	0.000000	0.20	21161.03	2554.29	0.01
Hempstead Lake	7952.79*	Max WS	3942.79	13.53	36.44		36.44	0.000000	0.20	21345.36	3024.64	0.01
Hempstead Lake	7939.16*	Max WS	3942.76	13.51	36.44		36.44	0.000000	0.20	21539.53	3024.09	0.01
Hempstead Lake	7925.53*	Max WS	3824.68	13.48	36.44		36.44	0.000000	0.19	21739.66	3023.40	0.01
Hempstead Lake	7911.89*	Max WS	3824.64	13.46	36.44		36.44	0.000000	0.19	21940.55	3024.68	0.01
Hempstead Lake	7898.26*	Max WS	3824.59	13.44	36.44		36.44	0.000000	0.19	22140.09	3026.06	0.01
Hempstead Lake	7884.62*	Max WS	3703.59	13.42	36.44		36.44	0.000000	0.18	22342.16	3028.54	0.01
Hempstead Lake	7870.99*	Max WS	3703.57	13.40	36.44		36.44	0.000000	0.18	22542.09	3030.61	0.01
Hempstead Lake	7857.36*	Max WS	3703.53	13.38	36.44		36.44	0.000000	0.18	22747.70	3034.02	0.01
Hempstead Lake	7843.72*	Max WS	3703.48	13.36	36.44		36.44	0.000000	0.18	22952.55	3037.67	0.01
Hempstead Lake	7830.09*	Max WS	3703.41	13.34	36.44		36.44	0.000000	0.18	23160.24	3042.07	0.01
Hempstead Lake	7816.45*	Max WS	3703.33	13.31	36.44		36.44	0.000000	0.18	23371.68	3046.90	0.01
Hempstead Lake	7802.82*	Max WS	3580.70	13.29	36.44		36.44	0.000000	0.17	23576.32	3054.37	0.01
Hempstead Lake	7789.19*	Max WS	3703.12	13.27	36.44		36.44	0.000000	0.17	23790.21	3063.22	0.01
Hempstead Lake	7775.55*	Max WS	3580.68	13.25	36.44		36.44	0.000000	0.17	23998.61	3070.91	0.01

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	3580.66	13.23	36.44		36.44	0.000000	0.17	24212.73	3083.45	0.01
Hempstead Lake	7748.29*	Max WS	3580.63	13.21	36.44		36.44	0.000000	0.16	24426.68	3113.22	0.01
Hempstead Lake	7734.65*	Max WS	3580.59	13.19	36.44		36.44	0.000000	0.16	24644.58	3138.23	0.01
Hempstead Lake	7721.02*	Max WS	3580.53	13.17	36.44		36.45	0.000000	0.16	24866.94	3148.02	0.01
Hempstead Lake	7707.38*	Max WS	3580.47	13.14	36.44		36.45	0.000000	0.16	25082.68	3160.14	0.01
Hempstead Lake	7693.75*	Max WS	3580.40	13.12	36.45		36.45	0.000000	0.16	25306.32	3171.61	0.01
Hempstead Lake	7680.12*	Max WS	3580.32	13.10	36.45		36.45	0.000000	0.16	25525.99	3183.29	0.01
Hempstead Lake	7666.48*	Max WS	3580.23	13.08	36.45		36.45	0.000000	0.16	25754.64	3197.99	0.01
Hempstead Lake	7652.85*	Max WS	3580.12	13.06	36.45		36.45	0.000000	0.16	25976.45	3275.50	0.01
Hempstead Lake	7639.22*	Max WS	3580.00	13.04	36.45		36.45	0.000000	0.16	26208.21	3281.55	0.01
Hempstead Lake	7625.58*	Max WS	3579.88	13.02	36.45		36.45	0.000000	0.16	26440.66	3288.53	0.01
Hempstead Lake	7611.95*	Max WS	3579.74	13.00	36.45		36.45	0.000000	0.16	26667.92	3295.56	0.01
Hempstead Lake	7598.31*	Max WS	3579.59	12.97	36.45		36.45	0.000000	0.15	26900.65	3302.03	0.01
Hempstead Lake	7584.68*	Max WS	3579.43	12.95	36.45		36.45	0.000000	0.15	27133.18	3309.22	0.01
Hempstead Lake	7571.05*	Max WS	3578.40	12.93	36.45		36.45	0.000000	0.15	27369.34	3315.43	0.01
Hempstead Lake	7557.41*	Max WS	3576.49	12.91	36.45		36.45	0.000000	0.15	27601.60	3322.73	0.01
Hempstead Lake	7543.783	Max WS	3574.47	12.89	36.45		36.45	0.000000	0.15	27838.74	3330.08	0.01
Hempstead Lake	7530.03*	Max WS	3596.77	12.85	36.45		36.45	0.000000	0.15	28002.69	3337.03	0.01
Hempstead Lake	7516.28*	Max WS	3594.69	12.82	36.45		36.45	0.000000	0.15	28167.08	3344.63	0.01
Hempstead Lake	7502.53*	Max WS	3592.55	12.78	36.45		36.45	0.000000	0.15	28331.50	3352.03	0.01
Hempstead Lake	7488.79*	Max WS	3590.41	12.74	36.45		36.45	0.000000	0.14	36636.68	5019.44	0.01
Hempstead Lake	7475.04*	Max WS	3588.28	12.71	36.45		36.45	0.000000	0.14	36808.04	5033.17	0.01
Hempstead Lake	7461.29*	Max WS	3587.05	12.67	36.45		36.45	0.000000	0.14	36980.78	5047.72	0.01
Hempstead Lake	7447.54*	Max WS	3585.62	12.63	36.45		36.45	0.000000	0.14	37159.63	5063.26	0.01
Hempstead Lake	7433.79*	Max WS	3583.12	12.60	36.45		36.45	0.000000	0.14	37333.58	5080.47	0.01
Hempstead Lake	7420.04*	Max WS	3580.65	12.56	36.45		36.45	0.000000	0.14	37509.19	5096.93	0.01
Hempstead Lake	7406.3*	Max WS	3578.16	12.52	36.45		36.45	0.000000	0.14	37689.75	5113.84	0.01
Hempstead Lake	7392.55*	Max WS	3584.37	12.49	36.45		36.45	0.000000	0.14	37870.68	5131.54	0.01
Hempstead Lake	7378.80*	Max WS	3580.65	12.45	36.45		36.45	0.000000	0.14	38050.02	5149.41	0.01
Hempstead Lake	7365.05*	Max WS	3578.56	12.41	36.45		36.45	0.000000	0.14	38232.59	5167.55	0.01
Hempstead Lake	7351.30*	Max WS	3578.03	12.38	36.45		36.45	0.000000	0.14	38415.18	5185.73	0.01
Hempstead Lake	7337.55*	Max WS	3577.49	12.34	36.45		36.45	0.000000	0.14	38598.91	5205.31	0.01
Hempstead Lake	7323.81*	Max WS	3576.95	12.30	36.45		36.45	0.000000	0.14	38783.83	5224.84	0.01
Hempstead Lake	7310.06*	Max WS	3576.41	12.26	36.45		36.45	0.000000	0.13	38972.96	5245.32	0.01
Hempstead Lake	7296.31*	Max WS	3575.86	12.23	36.45		36.45	0.000000	0.13	39161.60	5266.31	0.01
Hempstead Lake	7282.56*	Max WS	3575.31	12.19	36.45		36.45	0.000000	0.13	39351.60	5287.54	0.01
Hempstead Lake	7268.81*	Max WS	3574.76	12.15	36.45		36.45	0.000000	0.13	39544.92	5310.51	0.01
Hempstead Lake	7255.06*	Max WS	3574.20	12.12	36.45		36.45	0.000000	0.13	39735.77	5336.51	0.01
Hempstead Lake	7241.32*	Max WS	3573.63	12.08	36.45		36.45	0.000000	0.13	39932.69	5367.03	0.01
Hempstead Lake	7227.57*	Max WS	3573.05	12.04	36.45		36.45	0.000000	0.13	40132.22	5396.34	0.01
Hempstead Lake	7213.82*	Max WS	3572.46	12.01	36.45		36.45	0.000000	0.13	40331.16	5427.08	0.01
Hempstead Lake	7200.07*	Max WS	3571.86	11.97	36.45		36.45	0.000000	0.13	40530.73	5457.71	0.00
Hempstead Lake	7186.32*	Max WS	3571.26	11.93	36.45		36.45	0.000000	0.13	40737.35	5490.03	0.00
Hempstead Lake	7172.57*	Max WS	3570.67	11.90	36.45		36.45	0.000000	0.13	40944.05	5518.10	0.00
Hempstead Lake	7158.83*	Max WS	3570.08	11.86	36.45		36.45	0.000000	0.13	41149.80	5528.04	0.00
Hempstead Lake	7145.08*	Max WS	3569.47	11.82	36.45		36.45	0.000000	0.13	41359.98	5537.88	0.00
Hempstead Lake	7131.33*	Max WS	3568.84	11.79	36.45		36.45	0.000000	0.13	41571.04	5547.82	0.00
Hempstead Lake	7117.58*	Max WS	3568.22	11.75	36.45		36.45	0.000000	0.13	41785.30	5557.67	0.00
Hempstead Lake	7103.83*	Max WS	3567.58	11.71	36.45		36.45	0.000000	0.13	41996.08	5567.53	0.00
Hempstead Lake	7090.08*	Max WS	3566.95	11.68	36.45		36.45	0.000000	0.13	42205.88	5577.50	0.00
Hempstead Lake	7076.34*	Max WS	3566.31	11.64	36.45		36.45	0.000000	0.13	42421.77	5587.37	0.00
Hempstead Lake	7062.59*	Max WS	3565.67	11.60	36.45		36.45	0.000000	0.13	42632.80	5597.36	0.00
Hempstead Lake	7048.84*	Max WS	3565.03	11.57	36.45		36.45	0.000000	0.12	42846.15	5607.25	0.00
Hempstead Lake	7035.09*	Max WS	3564.39	11.53	36.45		36.45	0.000000	0.12	43065.09	5617.15	0.00
Hempstead Lake	7021.34*	Max WS	3563.74	11.49	36.45		36.45	0.000000	0.12	43279.23	5626.87	0.00
Hempstead Lake	7007.6*	Max WS	3563.07	11.46	36.45		36.45	0.000000	0.12	43497.95	5636.78	0.00
Hempstead Lake	6993.85*	Max WS	3562.41	11.42	36.45		36.45	0.000000	0.12	43714.82	5646.80	0.00
Hempstead Lake	6980.10*	Max WS	3561.75	11.38	36.45		36.45	0.000000	0.12	43936.68	5656.73	0.00
Hempstead Lake	6966.35*	Max WS	3561.07	11.35	36.45		36.45	0.000000	0.12	44154.68	5666.68	0.00
Hempstead Lake	6952.60*	Max WS	3560.41	11.31	36.45		36.45	0.000000	0.12	44375.47	5676.74	0.00
Hempstead Lake	6938.85*	Max WS	3559.75	11.27	36.45		36.45	0.000000	0.12	44597.65	5659.48	0.00
Hempstead Lake	6925.11*	Max WS	3559.09	11.23	36.45		36.45	0.000000	0.12	44830.38	5609.97	0.00
Hempstead Lake	6911.36*	Max WS	3558.43	11.20	36.45		36.45	0.000000	0.12	45077.21	5597.31	0.00
Hempstead Lake	6897.61*	Max WS	3557.76	11.16	36.45		36.45	0.000000	0.12	45323.49	5593.60	0.00
Hempstead Lake	6883.86*	Max WS	3557.10	11.12	36.45		36.45	0.000000	0.12	45576.10	5590.93	0.00
Hempstead Lake	6870.11*	Max WS	3556.43	11.09	36.45		36.45	0.000000	0.12	45830.85	5588.63	0.00
Hempstead Lake	6856.36*	Max WS	3555.75	11.05	36.45		36.45	0.000000	0.12	46089.25	5586.79	0.00
Hempstead Lake	6842.62*	Max WS	3555.08	11.01	36.45		36.45	0.000000	0.12	46348.39	5585.44	0.00
Hempstead Lake	6828.87*	Max WS	3554.41	10.98	36.45		36.45	0.000000	0.11	46613.48	5583.90	0.00
Hempstead Lake	6815.12*	Max WS	3553.72	10.94	36.45		36.45	0.000000	0.11	46881.30	5583.33	0.00
Hempstead Lake	6801.37*	Max WS	3553.03	10.90	36.45		36.45	0.000000	0.11	47152.32	5582.27	0.00
Hempstead Lake	6787.62*	Max WS	3552.34	10.87	36.45		36.45	0.000000	0.11	47425.12	5579.13	0.00
Hempstead Lake	6773.87*	Max WS	3551.65	10.83	36.45		36.45	0.000000	0.11	47702.81	5579.62	0.00
Hempstead Lake	6760.13*	Max WS	3550.98	10.79	36.45		36.45	0.000000	0.11	47986.28	5585.60	0.00
Hempstead Lake	6746.38*	Max WS	3548.31	10.76	36.45		36.45	0.000000	0.11	48268.16	5590.45	0.00
Hempstead Lake	6732.634	Max WS	3543.71	10.72	36.45		36.45	0.000000	0.11	48554.70	5594.42	0.00
Hempstead Lake	6718.98*	Max WS	3539.26	10.73	36.45		36.45	0.000000	0.11	48431.90	5550.03	0.00
Hempstead Lake	6705.33*	Max WS	3534.76	10.74	36.45		36.45	0.000000	0.11	48313.93	5525.41	0.00
Hempstead Lake	6691.68*	Max WS	3530.18	10.75	36.45		36.45	0.000000	0.11	48189.45	5500.49	0.00
Hempstead Lake	6678.03*	Max WS	3525.55	10.76	36.45		36.45	0.000000	0.11	48067.60	5475.79	0.00
Hempstead Lake	6664.38*	Max WS	3520.88	10.77	36.45		36.45	0.000000	0.11	47945.53	5451.32	0.00

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	3516.18	10.78	36.45		36.45	0.000000	0.11	47822.68	5426.43	0.00
Hempstead Lake	6637.07*	Max WS	3511.50	10.79	36.45		36.45	0.000000	0.11	47701.37	5401.79	0.00
Hempstead Lake	6623.42*	Max WS	3506.80	10.80	36.45		36.45	0.000000	0.11	47576.44	5376.86	0.00
Hempstead Lake	6609.77*	Max WS	3501.99	10.81	36.45		36.45	0.000000	0.11	47453.31	5351.39	0.00
Hempstead Lake	6596.12*	Max WS	3497.20	10.82	36.45		36.45	0.000000	0.11	47327.16	5325.62	0.00
Hempstead Lake	6582.47*	Max WS	3492.39	10.83	36.45		36.45	0.000000	0.11	47203.34	5302.44	0.00
Hempstead Lake	6568.82*	Max WS	3489.73	10.84	36.45		36.45	0.000000	0.11	47078.52	5277.51	0.00
Hempstead Lake	6555.17*	Max WS	3489.27	10.85	36.45		36.45	0.000000	0.11	46954.47	5250.67	0.00
Hempstead Lake	6541.52*	Max WS	3488.80	10.86	36.45		36.45	0.000000	0.11	46832.60	5174.17	0.00
Hempstead Lake	6527.87*	Max WS	3488.33	10.87	36.45		36.45	0.000000	0.11	46708.63	5158.32	0.00
Hempstead Lake	6514.22*	Max WS	3487.87	10.88	36.45		36.45	0.000000	0.11	46586.43	5142.78	0.00
Hempstead Lake	6500.57*	Max WS	3487.40	10.89	36.45		36.45	0.000000	0.11	46462.41	5127.36	0.00
Hempstead Lake	6486.91*	Max WS	3486.92	10.91	36.45		36.45	0.000000	0.11	46334.33	5112.08	0.00
Hempstead Lake	6473.26*	Max WS	3486.44	10.92	36.45		36.45	0.000000	0.11	46208.52	5097.12	0.00
Hempstead Lake	6459.61*	Max WS	3485.96	10.93	36.45		36.45	0.000000	0.11	46083.32	5082.48	0.00
Hempstead Lake	6445.96*	Max WS	3485.48	10.94	36.45		36.45	0.000000	0.11	45953.78	5067.85	0.00
Hempstead Lake	6432.31*	Max WS	3485.00	10.95	36.45		36.45	0.000000	0.11	45823.58	5053.80	0.00
Hempstead Lake	6418.66*	Max WS	3484.51	10.96	36.45		36.45	0.000000	0.11	45691.70	5040.02	0.00
Hempstead Lake	6405.01*	Max WS	3484.01	10.97	36.45		36.45	0.000000	0.11	45560.57	5027.18	0.00
Hempstead Lake	6391.36*	Max WS	3483.53	10.98	36.45		36.45	0.000000	0.11	45431.29	5023.17	0.00
Hempstead Lake	6377.71*	Max WS	3483.05	10.99	36.45		36.45	0.000000	0.11	45300.26	5015.68	0.00
Hempstead Lake	6364.06*	Max WS	3482.57	11.00	36.45		36.45	0.000000	0.11	45169.94	5006.55	0.00
Hempstead Lake	6350.41*	Max WS	3482.09	11.01	36.45		36.45	0.000000	0.11	45038.23	4996.04	0.00
Hempstead Lake	6336.76*	Max WS	3481.59	11.02	36.45		36.45	0.000000	0.11	44907.32	4984.36	0.00
Hempstead Lake	6323.11*	Max WS	3481.10	11.03	36.45		36.45	0.000000	0.11	44773.98	4972.40	0.00
Hempstead Lake	6309.45*	Max WS	3480.60	11.04	36.45		36.45	0.000000	0.11	44639.06	4961.32	0.00
Hempstead Lake	6295.80*	Max WS	3474.79	11.05	36.45		36.45	0.000000	0.11	44503.59	4947.72	0.00
Hempstead Lake	6282.15*	Max WS	3479.62	11.06	36.45		36.45	0.000000	0.14	34049.39	3661.37	0.01
Hempstead Lake	6268.507	Max WS	3479.13	11.07	36.45		36.45	0.000000	0.14	33905.59	3655.32	0.01
Hempstead Lake	6259.72*	Max WS	3478.82	11.10	36.45		36.45	0.000000	0.12	41762.28	4583.00	0.00
Hempstead Lake	6250.93*	Max WS	3474.79	11.14	36.45		36.45	0.000000	0.12	39561.27	4252.11	0.00
Hempstead Lake	6242.14*	Max WS	3477.36	11.17	36.45		36.45	0.000000	0.12	37630.54	3919.09	0.00
Hempstead Lake	6233.35*	Max WS	3474.78	11.21	36.45		36.45	0.000000	0.12	35963.58	3586.19	0.00
Hempstead Lake	6224.57*	Max WS	3474.77	11.24	36.45		36.45	0.000000	0.12	34566.32	3253.20	0.00
Hempstead Lake	6215.78*	Max WS	3474.77	11.27	36.45		36.45	0.000000	0.12	33439.18	2920.10	0.00
Hempstead Lake	6206.99*	Max WS	3475.34	11.31	36.45		36.45	0.000000	0.12	32585.49	2667.37	0.00
Hempstead Lake	6198.21*	Max WS	3475.13	11.34	36.45		36.45	0.000000	0.12	32007.96	2291.97	0.00
Hempstead Lake	6189.42*	Max WS	3474.76	11.38	36.45		36.45	0.000000	0.11	31672.60	1916.58	0.00
Hempstead Lake	6180.638	Max WS	3474.75	11.41	36.45		36.45	0.000000	0.11	31571.71	1541.19	0.00
Hempstead Lake	6177.638	Max WS	3474.73	11.00	36.45	11.64	36.45	0.000000	0.11	32037.25	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	3464.46	10.80	22.86		23.00	0.005289	3.04	1139.15	378.73	0.31
Hempstead Lake	5930.638	Max WS	3462.33	10.80	22.75		22.82	0.001981	2.14	1620.17	436.85	0.20
Hempstead Lake	5880.638	Max WS	3462.24	10.80	22.65		22.73	0.001712	2.19	1582.49	370.04	0.19
Hempstead Lake	5830.638	Max WS	3461.99	10.80	22.57		22.64	0.001689	2.14	1618.72	387.51	0.18
Hempstead Lake	5780.638	Max WS	3460.30	10.80	22.45		22.54	0.002608	2.40	1439.21	400.37	0.22
Hempstead Lake	5730.638	Max WS	3458.57	10.80	22.31		22.39	0.003074	2.38	1502.52	513.47	0.24
Hempstead Lake	5680.638	Max WS	3456.87	10.80	22.20		22.26	0.002094	1.96	1736.79	537.41	0.20
Hempstead Lake	5630.638	Max WS	3456.72	10.80	22.11		22.17	0.001893	1.64	1893.17	644.04	0.18
Hempstead Lake	5580.638	Max WS	3455.33	10.80	22.02		22.07	0.001983	1.59	1992.86	782.47	0.18
Hempstead Lake	5530.638	Max WS	3455.18	10.80	21.91		21.96	0.002519	1.67	1950.66	876.24	0.20
Hempstead Lake	5480.638	Max WS	3454.82	10.80	21.71		21.78	0.004649	1.94	1671.03	932.09	0.26
Hempstead Lake	5430.638	Max WS	3454.27	8.00	21.36		21.46	0.008332	2.45	1365.39	826.31	0.34
Hempstead Lake	5380.638	Max WS	3453.90	8.00	21.05		21.20	0.002459	3.26	1208.30	835.65	0.47
Hempstead Lake	5330.638	Max WS	3453.73	8.00	20.27		20.48	0.026230	3.73	931.12	735.31	0.58
Hempstead Lake	5307.48*	Max WS	3453.53	7.93	19.58		19.87	0.026714	4.41	813.40	597.70	0.63
Hempstead Lake	5284.32*	Max WS	3452.44	7.87	19.15		19.38	0.015372	3.85	913.44	536.52	0.48
Hempstead Lake	5261.17*	Max WS	3448.39	7.80	18.99		19.12	0.006669	2.97	1166.26	526.61	0.33
Hempstead Lake	5238.01*	Max WS	3444.13	7.73	18.93		19.01	0.003007	2.34	1478.24	530.57	0.23
Hempstead Lake	5214.85*	Max WS	3435.75	7.67	18.90		18.96	0.001524	1.91	1808.10	532.24	0.17
Hempstead Lake	5191.70*	Max WS	3432.52	7.60	18.89		18.93	0.000862	1.61	2141.66	535.78	0.13
Hempstead Lake	5168.54*	Max WS	3432.51	7.54	18.88		18.91	0.000529	1.39	2476.22	536.20	0.11
Hempstead Lake	5145.39*	Max WS	3429.12	7.47	18.88		18.90	0.000346	1.23	2806.75	528.16	0.09
Hempstead Lake	5122.23*	Max WS	3429.11	7.40	18.88		18.90	0.000238	1.10	3134.12	521.52	0.08
Hempstead Lake	5099.07*	Max WS	3425.61	7.34	18.88		18.89	0.000169	0.99	3457.39	511.69	0.07
Hempstead Lake	5075.922	Max WS	3425.60	7.27	18.88		18.89	0.000020	0.91	3777.08	507.63	0.06
Hempstead Lake	5055.96*	Max WS	3425.60	7.23	18.88		18.89	0.000099	0.86	4008.88	692.76	0.06
Hempstead Lake	5036.01*	Max WS	3425.58	7.20	18.88		18.89	0.000070	0.79	4325.35	756.05	0.06
Hempstead Lake	5016.05*	Max WS	3425.57	7.16	18.88		18.89	0.000049	0.74	4666.79	786.90	0.05
Hempstead Lake	4996.10*	Max WS	3425.55	7.12	18.88		18.89	0.000031	0.68	5023.94	807.16	0.05
Hempstead Lake	4976.14*	Max WS	3425.53	7.09	18.88		18.88	0.000020	0.64	5391.73	857.24	0.04
Hempstead Lake	4956.192	Max WS	3425.52	7.05	18.88		18.88	0.000009	0.59	5771.23	877.65	0.04
Hempstead Lake	4936.44*	Max WS	3425.50	7.02	18.88		18.88	0.000012	0.56	6183.14	964.38	0.04
Hempstead Lake	4916.69*	Max WS	3425.48	6.98	18.88		18.88	0.000014	0.52	6619.83	967.18	0.03
Hempstead Lake	4896.94*	Max WS	3425.45	6.95	18.88		18.88	0.000017	0.49	7057.35	967.72	0.03
Hempstead Lake	4877.19*	Max WS	3425.43	6.91	18.88		18.88	0.000019	0.46	7500.22	968.20	0.03
Hempstead Lake	4857.44*	Max WS	3425.40	6.88	18.88		18.88	0.000020	0.44	7946.22	968.09	0.03
Hempstead Lake	4837.697	Max WS	3425.38	6.84	18.88		18.88	0.000003	0.41	8397.17	967.96	0.02
Hempstead Lake	4817.64*	Max WS	3578.66	6.81	18.88		18.88	0.000023	0.43	8444.70	969.55	0.02
Hempstead Lake	4797.59*	Max WS	3578.62	6.77	18.88		18.88	0.000022	0.42	8496.89	968.17	0.02
Hempstead Lake	4777.53*	Max WS	3578.58	6.67	18.88		18.88	0.000021	0.42	8553.40	965.79	0.02

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	3578.54	6.58	18.88		18.88	0.000021	0.42	8612.40	957.02	0.02
Hempstead Lake	4737.42*	Max WS	3575.06	6.49	18.88		18.88	0.000020	0.41	8675.23	949.13	0.02
Hempstead Lake	4717.37*	Max WS	3575.05	6.40	18.88		18.88	0.000020	0.41	8739.62	943.03	0.02
Hempstead Lake	4697.32*	Max WS	3575.05	6.30	18.88		18.88	0.000019	0.41	8808.44	937.60	0.02
Hempstead Lake	4677.26*	Max WS	3575.04	6.21	18.88		18.88	0.000019	0.40	8877.35	933.81	0.02
Hempstead Lake	4657.21*	Max WS	3575.02	6.12	18.88		18.88	0.000018	0.40	8947.79	930.25	0.02
Hempstead Lake	4637.16*	Max WS	3575.01	6.02	18.88		18.88	0.000017	0.40	9018.85	926.79	0.02
Hempstead Lake	4617.10*	Max WS	3574.99	5.91	18.88		18.88	0.000017	0.39	9091.27	923.26	0.02
Hempstead Lake	4597.05*	Max WS	3574.97	5.76	18.88		18.88	0.000017	0.39	9162.87	919.75	0.02
Hempstead Lake	4577.*	Max WS	3574.95	5.60	18.88		18.88	0.000016	0.39	9237.07	916.47	0.02
Hempstead Lake	4556.94*	Max WS	3574.93	5.45	18.88		18.88	0.000016	0.38	9311.94	913.05	0.02
Hempstead Lake	4536.893	Max WS	3574.91	5.30	18.88		18.88	0.000003	0.39	9387.21	909.68	0.02
Hempstead Lake	4516.70*	Max WS	3580.08	5.16	18.88		18.88	0.000015	0.38	9445.92	910.36	0.02
Hempstead Lake	4496.51*	Max WS	3580.05	5.02	18.88		18.88	0.000014	0.37	9510.61	910.59	0.02
Hempstead Lake	4476.32*	Max WS	3580.02	4.88	18.87		18.88	0.000014	0.37	9582.08	910.56	0.02
Hempstead Lake	4456.14*	Max WS	3579.99	4.74	18.87		18.88	0.000013	0.37	9656.77	910.06	0.02
Hempstead Lake	4435.95*	Max WS	3579.96	4.60	18.87		18.88	0.000013	0.37	9738.29	909.56	0.02
Hempstead Lake	4415.76*	Max WS	3579.92	4.46	18.87		18.88	0.000013	0.36	9824.30	908.57	0.02
Hempstead Lake	4395.57*	Max WS	3576.95	4.32	18.87		18.88	0.000012	0.36	9915.85	907.42	0.02
Hempstead Lake	4375.38*	Max WS	3579.84	4.18	18.87		18.88	0.000012	0.36	10012.24	906.03	0.02
Hempstead Lake	4355.20*	Max WS	3576.95	4.04	18.87		18.88	0.000011	0.35	10114.27	904.20	0.02
Hempstead Lake	4335.01*	Max WS	3576.94	3.90	18.87		18.88	0.000011	0.35	10220.94	902.26	0.02
Hempstead Lake	4314.82*	Max WS	3576.94	3.76	18.87		18.88	0.000010	0.35	10333.18	899.87	0.02
Hempstead Lake	4294.63*	Max WS	3576.93	3.62	18.87		18.87	0.000010	0.34	10450.03	897.31	0.02
Hempstead Lake	4274.44*	Max WS	3576.92	3.48	18.87		18.87	0.000010	0.34	10570.89	894.61	0.02
Hempstead Lake	4254.26*	Max WS	3576.91	3.34	18.87		18.87	0.000009	0.33	10697.25	892.73	0.02
Hempstead Lake	4234.07*	Max WS	3576.90	3.20	18.87		18.87	0.000009	0.33	10828.91	890.78	0.02
Hempstead Lake	4213.88*	Max WS	3576.89	3.06	18.87		18.87	0.000008	0.33	10965.62	888.89	0.02
Hempstead Lake	4193.69*	Max WS	3576.88	2.92	18.87		18.87	0.000008	0.32	11105.91	886.84	0.02
Hempstead Lake	4173.50*	Max WS	3576.86	2.78	18.87		18.87	0.000008	0.32	11251.71	885.15	0.02
Hempstead Lake	4153.320	Max WS	3576.84	2.64	18.87		18.87	0.000001	0.32	11402.28	887.01	0.02
Hempstead Lake	4131.85*	Max WS	3582.62	2.69	18.87		18.87	0.000008	0.32	11330.04	884.00	0.01
Hempstead Lake	4110.38*	Max WS	3582.60	2.75	18.87		18.87	0.000008	0.32	11261.65	882.37	0.02
Hempstead Lake	4088.91*	Max WS	3582.58	2.80	18.87		18.87	0.000008	0.32	11200.43	881.09	0.02
Hempstead Lake	4067.44*	Max WS	3582.56	2.86	18.87		18.87	0.000008	0.32	11141.55	880.26	0.02
Hempstead Lake	4045.97*	Max WS	3582.53	2.91	18.87		18.87	0.000008	0.33	11090.53	879.79	0.02
Hempstead Lake	4024.50*	Max WS	3582.51	2.97	18.87		18.87	0.000008	0.33	11042.17	880.45	0.02
Hempstead Lake	4003.034	Max WS	3582.48	3.02	18.87		18.87	0.000001	0.34	11001.67	882.77	0.02
Hempstead Lake	3984.01*	Max WS	3582.45	3.78	18.87		18.87	0.000011	0.37	9982.61	865.45	0.02
Hempstead Lake	3964.99*	Max WS	3582.42	4.54	18.87		18.87	0.000016	0.40	8985.75	851.67	0.02
Hempstead Lake	3945.97*	Max WS	3582.39	5.30	18.87		18.87	0.000022	0.45	8012.08	841.55	0.02
Hempstead Lake	3926.95*	Max WS	3582.36	6.06	18.87		18.87	0.000033	0.51	7062.52	829.85	0.03
Hempstead Lake	3907.93*	Max WS	3580.17	6.82	18.87		18.87	0.000052	0.59	6134.81	814.30	0.04
Hempstead Lake	3888.916	Max WS	3580.17	7.58	18.86		18.87	0.000014	0.70	5227.23	795.56	0.05
Hempstead Lake	3883.916	Max WS	3586.45	7.20	18.86	10.68	18.87	0.000015	0.71	5118.71	789.38	0.05
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	3576.61	7.19	18.81		18.82	0.000022	0.81	4517.49	784.88	0.06
Hempstead Lake	3858.916	Max WS	3576.61	7.17	18.81		18.82	0.000025	0.83	4390.40	784.17	0.06
Hempstead Lake	3826.579	Max WS	3573.94	6.10	18.80		18.82	0.000057	1.11	3281.86	770.89	0.09
Hempstead Lake	3821.579	Max WS	3573.94	6.02	18.80		18.82	0.000064	1.15	3151.57	769.19	0.09
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	3571.26	5.94	18.78		18.80	0.000200	1.18	3135.67	807.37	0.10
Hempstead Lake	3736.579	Max WS	3573.93	5.88	18.78		18.80	0.000061	1.11	3346.68	773.83	0.09
Hempstead Lake	3699.46*	Max WS	3573.88	5.83	18.78		18.80	0.000060	1.04	3591.86	817.87	0.08
Hempstead Lake	3662.35*	Max WS	3573.82	5.78	18.78		18.80	0.000055	0.98	3897.91	879.14	0.07
Hempstead Lake	3625.24*	Max WS	3571.25	5.74	18.78		18.79	0.000048	0.92	4240.05	910.72	0.06
Hempstead Lake	3588.13*	Max WS	3571.24	5.69	18.78		18.79	0.000044	0.87	4614.94	941.34	0.06
Hempstead Lake	3551.028	Max WS	3571.23	5.64	18.78		18.79	0.000031	0.82	5021.14	971.43	0.05
Hempstead Lake	3531.67*	Max WS	3571.22	5.61	18.78		18.79	0.000049	0.84	4811.44	956.32	0.06
Hempstead Lake	3512.33*	Max WS	3571.21	5.58	18.78		18.79	0.000051	0.87	4603.90	939.92	0.06
Hempstead Lake	3492.98*	Max WS	3571.20	5.55	18.78		18.79	0.000051	0.91	4398.29	928.29	0.06
Hempstead Lake	3473.63*	Max WS	3571.18	5.52	18.77		18.79	0.000052	0.94	4194.32	912.66	0.06
Hempstead Lake	3454.28*	Max WS	3571.16	5.49	18.77		18.79	0.000052	0.97	3999.78	891.83	0.07
Hempstead Lake	3434.93*	Max WS	3571.13	5.46	18.77		18.79	0.000050	1.00	3814.45	867.74	0.07
Hempstead Lake	3415.58*	Max WS	3571.10	5.43	18.77		18.78	0.000049	1.03	3669.92	727.99	0.07
Hempstead Lake	3396.239	Max WS	3568.89	5.40	18.77		18.78	0.000066	1.05	3568.37	699.74	0.07
Hempstead Lake	3376.88*	Max WS	3568.89	5.37	18.77		18.78	0.000050	1.06	3574.57	707.61	0.07
Hempstead Lake	3357.52*	Max WS	3568.88	5.34	18.76		18.78	0.000052	1.06	3582.56	712.18	0.07
Hempstead Lake	3338.16*	Max WS	3568.87	5.32	18.76		18.78	0.000054	1.06	3589.33	716.02	0.07
Hempstead Lake	3318.80*	Max WS	3568.86	5.29	18.76		18.78	0.000056	1.07	3597.20	719.26	0.07
Hempstead Lake	3299.44*	Max WS	3568.85	5.26	18.76		18.78	0.000058	1.07	3603.70	721.47	0.07
Hempstead Lake	3280.08*	Max WS	3568.83	5.23	18.76		18.78	0.000060	1.07	3611.67	723.46	0.07
Hempstead Lake	3260.73*	Max WS	3568.82	5.21	18.76		18.78	0.000062	1.08	3617.85	724.43	0.07
Hempstead Lake	3241.37*	Max WS	3568.80	5.18	18.76		18.78	0.000062	1.08	3624.06	725.41	0.07
Hempstead Lake	3222.01*	Max WS	3568.78	5.15	18.76		18.77	0.000064	1.09	3631.38	725.95	0.07
Hempstead Lake	3202.65*	Max WS	3568.76	5.12	18.75		18.77	0.000066	1.09	3637.21	725.81	0.07
Hempstead Lake	3183.29*	Max WS	3568.73	5.10	18.75		18.77	0.000068	1.09	3643.13	725.35	0.07
Hempstead Lake	3163.93*	Max WS	3566.80	5.07	18.75		18.77	0.000070	1.10	3647.94	724.44	0.07
Hempstead Lake	3144.581	Max WS	3568.68	5.04	18.75		18.77	0.000059	1.11	3653.47	723.53	0.07
Hempstead Lake	3124.73*	Max WS	3566.80	5.01	18.75		18.77	0.000055	1.11	3664.09	728.03	0.07
Hempstead Lake	3104.89*	Max WS	3566.80	4.98	18.75		18.77	0.000054	1.10	3676.30	732.51	0.07

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	3566.79	4.95	18.75		18.77	0.000054	1.10	3689.69	734.90	0.07
Hempstead Lake	3065.2*	Max WS	3566.79	4.92	18.75		18.76	0.000053	1.10	3701.54	736.43	0.07
Hempstead Lake	3045.35*	Max WS	3566.78	4.88	18.75		18.76	0.000051	1.10	3714.84	737.65	0.07
Hempstead Lake	3025.51*	Max WS	3566.77	4.85	18.74		18.76	0.000050	1.10	3728.25	738.54	0.07
Hempstead Lake	3005.66*	Max WS	3566.76	4.82	18.74		18.76	0.000049	1.09	3742.98	739.32	0.07
Hempstead Lake	2985.81*	Max WS	3566.75	4.79	18.74		18.76	0.000047	1.09	3755.04	739.83	0.07
Hempstead Lake	2965.974	Max WS	3566.73	4.76	18.74		18.76	0.000052	1.09	3768.86	749.55	0.07
Hempstead Lake	2951.87*	Max WS	3566.72	4.74	18.74		18.76	0.000061	1.07	3800.21	755.79	0.07
Hempstead Lake	2937.77*	Max WS	3566.71	4.72	18.74		18.76	0.000060	1.06	3830.00	761.41	0.07
Hempstead Lake	2923.67*	Max WS	3566.70	4.70	18.74		18.76	0.000059	1.06	3862.52	768.17	0.07
Hempstead Lake	2909.57*	Max WS	3566.69	4.68	18.74		18.76	0.000057	1.05	3892.92	775.26	0.07
Hempstead Lake	2895.47*	Max WS	3566.67	4.66	18.74		18.76	0.000057	1.04	3924.02	780.38	0.07
Hempstead Lake	2881.37*	Max WS	3566.66	4.64	18.74		18.75	0.000055	1.03	3955.25	784.70	0.07
Hempstead Lake	2867.27*	Max WS	3566.65	4.62	18.74		18.75	0.000055	1.02	3986.34	789.69	0.06
Hempstead Lake	2853.17*	Max WS	3566.63	4.61	18.74		18.75	0.000054	1.01	4018.01	794.26	0.06
Hempstead Lake	2839.07*	Max WS	3566.61	4.59	18.74		18.75	0.000053	1.00	4049.95	798.65	0.06
Hempstead Lake	2824.98*	Max WS	3566.60	4.57	18.74		18.75	0.000052	0.99	4080.71	802.44	0.06
Hempstead Lake	2810.88*	Max WS	3566.58	4.55	18.74		18.75	0.000051	0.99	4113.01	807.50	0.06
Hempstead Lake	2796.78*	Max WS	3566.56	4.53	18.74		18.75	0.000050	0.98	4143.89	811.76	0.06
Hempstead Lake	2782.68*	Max WS	3566.55	4.51	18.74		18.75	0.000049	0.97	4175.61	816.56	0.06
Hempstead Lake	2768.58*	Max WS	3566.53	4.49	18.74		18.75	0.000048	0.96	4207.65	821.56	0.06
Hempstead Lake	2754.48*	Max WS	3566.51	4.47	18.73		18.75	0.000047	0.95	4239.43	827.04	0.06
Hempstead Lake	2740.38*	Max WS	3566.49	4.45	18.73		18.75	0.000046	0.95	4271.30	831.99	0.06
Hempstead Lake	2726.28*	Max WS	3566.47	4.43	18.73		18.75	0.000046	0.94	4305.02	842.07	0.06
Hempstead Lake	2712.18*	Max WS	3566.44	4.41	18.73		18.75	0.000045	0.93	4337.65	852.48	0.06
Hempstead Lake	2698.08*	Max WS	3566.42	4.39	18.73		18.75	0.000044	0.93	4372.02	869.08	0.06
Hempstead Lake	2683.98*	Max WS	3566.40	4.37	18.73		18.74	0.000043	0.92	4406.64	888.60	0.06
Hempstead Lake	2669.88*	Max WS	3566.37	4.35	18.73		18.74	0.000042	0.91	4445.07	906.39	0.06
Hempstead Lake	2655.78*	Max WS	3566.35	4.34	18.73		18.74	0.000042	0.91	4482.04	915.82	0.06
Hempstead Lake	2641.68*	Max WS	3566.32	4.32	18.73		18.74	0.000041	0.90	4520.01	924.10	0.06
Hempstead Lake	2627.58*	Max WS	3566.29	4.30	18.73		18.74	0.000040	0.89	4558.20	928.93	0.06
Hempstead Lake	2613.48*	Max WS	3566.26	4.28	18.73		18.74	0.000039	0.88	4596.21	931.24	0.06
Hempstead Lake	2599.38*	Max WS	3566.24	4.26	18.73		18.74	0.000038	0.88	4632.29	932.66	0.06
Hempstead Lake	2585.29*	Max WS	3566.21	4.24	18.73		18.74	0.000038	0.87	4669.65	932.84	0.06
Hempstead Lake	2571.19*	Max WS	3566.18	4.22	18.73		18.74	0.000037	0.86	4705.06	931.95	0.05
Hempstead Lake	2557.091	Max WS	3566.15	4.20	18.73		18.74	0.000088	0.84	4739.18	930.93	0.05
Hempstead Lake	2552.091	Max WS	3565.28	4.09	18.72		18.74	0.000263	1.07	3679.53	932.38	0.08
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	3565.28	4.09	18.71		18.73	0.000253	1.04	3787.27	932.24	0.08
Hempstead Lake	2487.091	Max WS	3565.27	4.60	18.72		18.72	0.000071	0.77	5105.90	931.90	0.05
Hempstead Lake	2477.12*	Max WS	3565.26	4.58	18.71		18.72	0.000030	0.79	5121.50	939.18	0.05
Hempstead Lake	2467.14*	Max WS	3565.24	4.57	18.71		18.72	0.000031	0.79	5145.69	951.86	0.05
Hempstead Lake	2457.17*	Max WS	3565.23	4.55	18.71		18.72	0.000032	0.80	5174.60	959.18	0.05
Hempstead Lake	2447.20*	Max WS	3565.22	4.53	18.71		18.72	0.000032	0.80	5208.83	964.74	0.05
Hempstead Lake	2437.23*	Max WS	3565.20	4.51	18.71		18.72	0.000054	0.79	5248.65	969.21	0.05
Hempstead Lake	2427.26*	Max WS	3565.18	4.50	18.71		18.72	0.000053	0.80	5291.36	974.06	0.05
Hempstead Lake	2417.29*	Max WS	3565.17	4.48	18.71		18.72	0.000052	0.80	5339.46	978.36	0.05
Hempstead Lake	2407.32*	Max WS	3565.15	4.46	18.71		18.72	0.000033	0.82	5391.45	982.07	0.05
Hempstead Lake	2397.35*	Max WS	3565.14	4.44	18.71		18.72	0.000034	0.82	5446.47	985.02	0.05
Hempstead Lake	2387.37*	Max WS	3565.12	4.43	18.71		18.72	0.000034	0.83	5507.02	988.63	0.05
Hempstead Lake	2377.40*	Max WS	3565.10	4.41	18.71		18.72	0.000034	0.83	5572.23	991.85	0.05
Hempstead Lake	2367.43*	Max WS	3565.09	4.39	18.71		18.72	0.000034	0.83	5639.39	994.09	0.05
Hempstead Lake	2357.46*	Max WS	3565.07	4.37	18.71		18.72	0.000034	0.84	5712.50	1010.76	0.05
Hempstead Lake	2347.49*	Max WS	3565.05	4.36	18.71		18.72	0.000033	0.84	5790.84	1028.09	0.05
Hempstead Lake	2337.52*	Max WS	3565.03	4.34	18.71		18.72	0.000033	0.84	5874.90	1050.99	0.05
Hempstead Lake	2327.55*	Max WS	3565.01	4.32	18.71		18.72	0.000033	0.85	5965.69	1082.51	0.05
Hempstead Lake	2317.58*	Max WS	3564.99	4.30	18.71		18.72	0.000033	0.85	6064.77	1110.94	0.05
Hempstead Lake	2307.60*	Max WS	3564.97	4.29	18.71		18.72	0.000032	0.85	6170.11	1130.52	0.05
Hempstead Lake	2297.63*	Max WS	3564.95	4.27	18.71		18.72	0.000031	0.85	6280.22	1147.72	0.05
Hempstead Lake	2287.66*	Max WS	3564.93	4.25	18.71		18.72	0.000032	0.87	6394.75	1156.29	0.05
Hempstead Lake	2277.69*	Max WS	3564.91	4.23	18.71		18.72	0.000031	0.87	6516.06	1164.17	0.05
Hempstead Lake	2267.72*	Max WS	3564.88	4.22	18.71		18.72	0.000031	0.87	6642.27	1171.26	0.05
Hempstead Lake	2257.752	Max WS	3564.86	4.20	18.71		18.72	0.000048	0.76	6774.28	1179.41	0.04
Hempstead Lake	2252.75*	Max WS	3564.84	4.10	18.71		18.72	0.000041	0.84	6704.75	1165.13	0.05
Hempstead Lake	2247.752	Max WS	3564.83	4.00	18.71		18.71	0.000050	0.81	6635.56	1151.32	0.05
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	3564.55	3.80	18.69		18.71	0.000063	1.42	4999.00	913.76	0.08
Hempstead Lake	2192.75*	Max WS	3564.54	3.75	18.69		18.71	0.000045	1.35	5477.32	910.56	0.07
Hempstead Lake	2187.752	Max WS	3564.53	3.70	18.69		18.71	0.000034	1.40	5783.38	907.28	0.07
Hempstead Lake	2178.63*	Max WS	3564.53	3.72	18.69		18.71	0.000036	1.44	5634.60	904.76	0.08
Hempstead Lake	2169.52*	Max WS	3564.52	3.74	18.69		18.71	0.000038	1.47	5486.99	902.60	0.08
Hempstead Lake	2160.40*	Max WS	3564.52	3.76	18.69		18.71	0.000041	1.51	5339.96	900.31	0.08
Hempstead Lake	2151.29*	Max WS	3564.51	3.78	18.68		18.71	0.000043	1.56	5193.77	898.00	0.08
Hempstead Lake	2142.17*	Max WS	3564.51	3.80	18.68		18.71	0.000046	1.60	5048.26	895.92	0.09
Hempstead Lake	2133.05*	Max WS	3564.50	3.82	18.68		18.71	0.000049	1.64	4903.09	893.93	0.09
Hempstead Lake	2123.94*	Max WS	3564.50	3.83	18.68		18.71	0.000052	1.69	4759.34	891.90	0.09
Hempstead Lake	2114.82*	Max WS	3564.49	3.85	18.68		18.71	0.000056	1.74	4615.91	890.01	0.09
Hempstead Lake	2105.71*	Max WS	3564.48	3.87	18.68		18.71	0.000060	1.79	4474.87	888.31	0.10
Hempstead Lake	2096.59*	Max WS	3564.48	3.89	18.68		18.71	0.000064	1.84	4334.16	887.02	0.10
Hempstead Lake	2087.48*	Max WS	3564.47	3.91	18.67		18.71	0.000070	1.90	4193.14	903.87	0.10
Hempstead Lake	2078.36*	Max WS	3564.47	3.93	18.67		18.71	0.000075	1.96	4055.72	912.80	0.11

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	3564.46	3.95	18.67		18.71	0.000081	2.03	3921.09	919.84	0.11
Hempstead Lake	2060.13*	Max WS	3564.45	3.97	18.67		18.72	0.000087	2.09	3788.25	928.75	0.12
Hempstead Lake	2051.01*	Max WS	3564.45	3.99	18.66		18.72	0.000095	2.16	3659.56	962.05	0.12
Hempstead Lake	2041.90*	Max WS	3564.44	4.01	18.66		18.72	0.000102	2.23	3533.80	969.41	0.13
Hempstead Lake	2032.78*	Max WS	3564.43	4.03	18.66		18.72	0.000109	2.30	3413.13	971.30	0.13
Hempstead Lake	2023.67*	Max WS	3564.43	4.05	18.66		18.72	0.000118	2.36	3291.12	971.90	0.13
Hempstead Lake	2014.55*	Max WS	3564.42	4.07	18.65		18.72	0.000126	2.43	3173.00	972.58	0.14
Hempstead Lake	2005.44*	Max WS	3564.41	4.08	18.65		18.72	0.000136	2.50	3054.20	972.43	0.14
Hempstead Lake	1996.32*	Max WS	3564.40	4.10	18.64		18.73	0.000147	2.58	2939.58	971.92	0.15
Hempstead Lake	1987.20*	Max WS	3564.39	4.12	18.64		18.73	0.000158	2.65	2825.03	971.72	0.15
Hempstead Lake	1978.09*	Max WS	3564.39	4.14	18.63		18.73	0.000170	2.73	2712.58	970.60	0.16
Hempstead Lake	1968.97*	Max WS	3564.38	4.16	18.63		18.73	0.000184	2.82	2600.77	967.54	0.17
Hempstead Lake	1959.86*	Max WS	3564.37	4.18	18.62		18.73	0.000199	2.90	2490.65	961.18	0.17
Hempstead Lake	1950.747	Max WS	3564.37	4.20	18.62		18.74	0.000215	2.99	2381.54	949.03	0.18
Hempstead Lake	1945.747	Max WS	3564.36	4.21	18.64		18.73	0.000476	3.18	2713.42	1026.47	0.24
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	1108.54	4.50	17.03		17.03	0.000042	0.39	3445.73	990.62	0.03
Hempstead Lake	1880.747	Max WS	1108.52	4.45	17.03		17.03	0.000005	0.40	4322.19	1010.08	0.03
Hempstead Lake	1848.83*	Max WS	1113.70	2.70	17.03		17.03	0.000001	0.21	6602.94	1104.68	0.01
Hempstead Lake	1816.92*	Max WS	1113.69	0.95	17.03		17.03	0.000001	0.13	9493.08	1176.06	0.01
Hempstead Lake	1785.01*	Max WS	1113.67	-0.80	17.03		17.03	0.000000	0.09	13088.71	1153.25	0.00
Hempstead Lake	1753.104	Max WS	1113.65	-2.55	17.03		17.03	0.000000	0.07	17346.46	1232.09	0.00
Hempstead Lake	1732.65*	Max WS	1113.64	-2.75	17.03		17.03	0.000000	0.07	17576.94	1291.20	0.00
Hempstead Lake	1712.21*	Max WS	1113.62	-2.95	17.03		17.03	0.000000	0.06	17860.08	1325.90	0.00
Hempstead Lake	1691.76*	Max WS	1113.60	-3.14	17.03		17.03	0.000000	0.06	18192.48	1358.39	0.00
Hempstead Lake	1671.32*	Max WS	1113.58	-3.34	17.03		17.03	0.000000	0.06	18573.35	1392.48	0.00
Hempstead Lake	1650.87*	Max WS	1113.56	-3.54	17.03		17.03	0.000000	0.06	19003.30	1422.84	0.00
Hempstead Lake	1630.434	Max WS	1113.54	-3.74	17.03		17.03	0.000000	0.06	19477.89	1449.80	0.00
Hempstead Lake	1610.36*	Max WS	1113.51	-3.49	17.03		17.03	0.000000	0.06	18853.27	1439.19	0.00
Hempstead Lake	1590.30*	Max WS	1113.49	-3.23	17.03		17.03	0.000000	0.07	18231.02	1427.38	0.00
Hempstead Lake	1570.23*	Max WS	1113.46	-2.98	17.03		17.03	0.000000	0.07	17611.08	1414.11	0.00
Hempstead Lake	1550.17*	Max WS	1113.44	-2.73	17.03		17.03	0.000000	0.07	16994.93	1399.33	0.00
Hempstead Lake	1530.10*	Max WS	1113.42	-2.47	17.03		17.03	0.000000	0.07	16380.17	1381.92	0.00
Hempstead Lake	1510.03*	Max WS	1113.39	-2.22	17.03		17.03	0.000000	0.08	15771.09	1361.24	0.00
Hempstead Lake	1489.97*	Max WS	1113.36	-1.96	17.03		17.03	0.000000	0.08	15168.04	1342.51	0.00
Hempstead Lake	1469.90*	Max WS	1113.34	-1.71	17.03		17.03	0.000000	0.08	14570.05	1324.77	0.00
Hempstead Lake	1449.83*	Max WS	1113.31	-1.46	17.03		17.03	0.000000	0.09	13979.50	1306.46	0.00
Hempstead Lake	1429.77*	Max WS	1113.28	-1.20	17.03		17.03	0.000000	0.09	13392.09	1285.96	0.00
Hempstead Lake	1409.707	Max WS	1113.25	-0.95	17.03		17.03	0.000000	0.09	12814.55	1190.02	0.00
Hempstead Lake	1389.03*	Max WS	11399.53	-0.98	17.00		17.01	0.000012	0.99	12779.81	1279.82	0.05
Hempstead Lake	1368.35*	Max WS	11399.53	-1.00	17.00		17.01	0.000012	0.99	12782.30	1282.31	0.05
Hempstead Lake	1347.67*	Max WS	11399.52	-1.03	17.00		17.01	0.000012	0.99	12783.51	1274.82	0.05
Hempstead Lake	1326.99*	Max WS	11399.52	-1.06	17.00		17.01	0.000012	0.99	12782.71	1265.08	0.05
Hempstead Lake	1306.32*	Max WS	11399.51	-1.08	17.00		17.01	0.000012	0.99	12780.93	1254.09	0.05
Hempstead Lake	1285.64*	Max WS	11399.50	-1.11	17.00		17.01	0.000012	0.99	12778.99	1242.89	0.05
Hempstead Lake	1264.96*	Max WS	11399.49	-1.14	17.00		17.01	0.000012	1.00	12774.32	1231.51	0.05
Hempstead Lake	1244.28*	Max WS	11399.48	-1.16	17.00		17.01	0.000012	1.00	12770.46	1220.02	0.05
Hempstead Lake	1223.61*	Max WS	11399.47	-1.19	17.00		17.01	0.000012	1.00	12765.67	1207.88	0.05
Hempstead Lake	1202.93*	Max WS	11399.46	-1.22	17.00		17.01	0.000012	1.00	12760.01	1194.96	0.05
Hempstead Lake	1182.25*	Max WS	11399.45	-1.24	17.00		17.01	0.000012	1.00	12753.19	1181.52	0.05
Hempstead Lake	1161.57*	Max WS	11399.44	-1.27	17.00		17.01	0.000012	1.01	12746.30	1167.52	0.05
Hempstead Lake	1140.90*	Max WS	11399.43	-1.30	17.00		17.01	0.000012	1.01	12739.08	1152.79	0.05
Hempstead Lake	1120.22*	Max WS	11399.42	-1.32	17.00		17.01	0.000013	1.01	12734.18	1137.25	0.05
Hempstead Lake	1099.54*	Max WS	11399.41	-1.35	17.00		17.01	0.000013	1.01	12726.28	1124.17	0.05
Hempstead Lake	1078.87*	Max WS	11399.40	-1.38	17.00		17.01	0.000013	1.01	12716.85	1116.10	0.05
Hempstead Lake	1058.19*	Max WS	11399.38	-1.40	17.00		17.01	0.000013	1.02	12708.20	1108.20	0.05
Hempstead Lake	1037.515	Max WS	11399.37	-1.43	17.00		17.01	0.000011	0.99	12698.17	1100.46	0.05
Hempstead Lake	1017.08*	Max WS	11488.57	-1.35	16.99		17.01	0.000014	1.02	12661.98	1102.14	0.05
Hempstead Lake	996.645*	Max WS	11488.54	-1.28	16.99		17.01	0.000017	1.02	12626.49	1099.25	0.05
Hempstead Lake	976.210*	Max WS	11488.52	-1.20	16.99		17.01	0.000020	1.02	12588.64	1092.28	0.05
Hempstead Lake	955.775*	Max WS	11488.51	-1.13	16.99		17.01	0.000024	1.02	12549.66	1084.51	0.05
Hempstead Lake	935.340*	Max WS	11488.48	-1.05	16.99		17.01	0.000027	1.02	12507.72	1076.67	0.05
Hempstead Lake	914.905*	Max WS	11488.46	-0.98	16.99		17.01	0.000031	1.02	12465.20	1068.76	0.05
Hempstead Lake	894.471*	Max WS	11488.44	-0.90	16.99		17.01	0.000034	1.01	12419.43	1063.62	0.05
Hempstead Lake	874.036*	Max WS	11488.42	-0.83	16.99		17.01	0.000039	1.01	12373.20	1065.30	0.04
Hempstead Lake	853.601*	Max WS	11488.39	-0.75	16.99		17.01	0.000043	1.01	12327.19	1069.90	0.04
Hempstead Lake	833.166*	Max WS	11488.37	-0.68	16.99		17.00	0.000048	1.00	12280.39	1077.22	0.04
Hempstead Lake	812.731*	Max WS	11488.34	-0.60	16.99		17.00	0.000051	1.00	12233.80	1073.40	0.04
Hempstead Lake	792.296*	Max WS	11488.30	-0.53	16.99		17.00	0.000056	0.99	12187.06	1068.01	0.04
Hempstead Lake	771.862	Max WS	11488.26	-0.45	16.99		17.00	0.000011	1.06	12136.77	1062.26	0.05
Hempstead Lake	750.331*	Max WS	11524.13	-0.53	16.99		17.00	0.000060	1.04	11812.75	1069.93	0.05
Hempstead Lake	728.8*	Max WS	11524.09	-0.61	16.98		17.00	0.000061	1.08	11490.54	1077.33	0.05
Hempstead Lake	707.269*	Max WS	11524.04	-0.69	16.98		17.00	0.000059	1.12	11173.50	1084.59	0.05
Hempstead Lake	685.738*	Max WS	11524.00	-0.77	16.98		17.00	0.000057	1.16	10859.75	1091.69	0.05
Hempstead Lake	664.207*	Max WS	11523.94	-0.85	16.98		17.00	0.000054	1.20	10549.68	1098.89	0.05
Hempstead Lake	642.676*	Max WS	11523.89	-0.93	16.97		17.00	0.000052	1.24	10245.65	1105.43	0.06
Hempstead Lake	621.145*	Max WS	11523.84	-1.02	16.97		16.99	0.000048	1.27	9943.64	1111.34	0.06
Hempstead Lake	599.614*	Max WS	11523.77	-1.10	16.97		16.99	0.000043	1.31	9647.26	1116.15	0.06
Hempstead Lake	578.083*	Max WS	11523.71	-1.18	16.97		16.99	0.000038	1.33	9355.18	1119.53	0.06
Hempstead Lake	556.552*	Max WS	11523.66	-1.26	16.96		16.99	0.000034	1.36	9067.87	1111.72	0.06
Hempstead Lake	535.021*	Max WS	11523.59	-1.34	16.96		16.99	0.000028	1.38	8787.65	1043.88	0.07

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	11523.53	-1.42	16.96		16.99	0.000022	1.38	8551.15	686.56	0.07
Hempstead Lake	493.036*	Max WS	11561.33	-1.03	16.96		16.99	0.000051	1.49	7960.88	669.42	0.07
Hempstead Lake	472.587*	Max WS	11561.29	-0.65	16.95		16.99	0.000067	1.61	7387.81	652.23	0.08
Hempstead Lake	452.136*	Max WS	11561.25	-0.26	16.94		16.99	0.000089	1.73	6828.57	634.99	0.09
Hempstead Lake	431.685*	Max WS	11561.20	0.12	16.93		16.98	0.000119	1.88	6285.17	617.68	0.10
Hempstead Lake	411.234*	Max WS	11561.16	0.51	16.92		16.98	0.000155	2.05	5757.21	600.26	0.11
Hempstead Lake	390.783*	Max WS	11561.11	0.90	16.90		16.98	0.000208	2.25	5241.79	582.65	0.13
Hempstead Lake	370.332*	Max WS	11561.05	1.28	16.88		16.97	0.000281	2.48	4741.65	564.81	0.15
Hempstead Lake	349.881*	Max WS	11561.02	1.67	16.85		16.97	0.000381	2.76	4253.02	546.51	0.17
Hempstead Lake	329.430*	Max WS	11560.98	2.05	16.81		16.96	0.000526	3.10	3778.35	527.61	0.20
Hempstead Lake	308.979*	Max WS	11560.93	2.44	16.75		16.95	0.000725	3.53	3310.31	507.50	0.24
Hempstead Lake	288.528*	Max WS	11560.89	2.83	16.67		16.93	0.001010	4.09	2848.38	485.61	0.29
Hempstead Lake	268.077*	Max WS	11560.85	3.21	16.54		16.91	0.001428	4.87	2383.99	465.81	0.37
Hempstead Lake	247.626*	Max WS	11560.81	3.60	16.29		16.87	0.002103	6.12	1889.36	440.95	0.52
Hempstead Lake	227.175*	Max WS	11560.77	3.98	15.64		16.87	0.003343	8.91	1298.22	245.58	0.68
Hempstead Lake	206.724	Max WS	11560.74	4.37	15.28		16.81	0.002640	9.94	1163.46	147.24	0.62
Hempstead Lake	201.724	Max WS	11560.74	4.37	15.80	11.58	16.79	0.001557	8.01	1444.12	166.57	0.48
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	11560.74	1.00	13.05		13.88	0.000998	7.61	1585.30	150.21	0.40
Hempstead Lake	166.724	Max WS	11560.74	1.00	13.04	7.66	13.88	0.001000	7.62	1584.39	150.19	0.40

EXIST 1/2PMF NON-BREACH W/O LIDS 8/26/15

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	44.10	44.09	0.01	0.00		318.32	3926.56	3204.98	926.34
Hempstead Lake	15523.7*	Max WS	44.10	44.09	0.01	0.00		713.85	3762.24	2973.69	914.99
Hempstead Lake	15503.5*	Max WS	44.10	44.08	0.01	0.00		690.39	3827.30	2932.00	906.51
Hempstead Lake	15483.3*	Max WS	44.10	44.08	0.01	0.00		658.52	3896.53	2894.53	900.19
Hempstead Lake	15463.0*	Max WS	44.09	44.08	0.01	0.00		628.70	3963.42	2857.34	895.46
Hempstead Lake	15442.8*	Max WS	44.09	44.08	0.01	0.00		607.77	4022.76	2818.80	891.19
Hempstead Lake	15422.5*	Max WS	44.09	44.08	0.01	0.00		579.00	4076.37	2793.83	884.19
Hempstead Lake	15402.3*	Max WS	44.09	44.08	0.01	0.00		548.15	4113.26	2760.31	878.35
Hempstead Lake	15382.1*	Max WS	44.09	44.08	0.01	0.00		530.53	4158.33	2732.86	873.64
Hempstead Lake	15361.8*	Max WS	44.09	44.08	0.01	0.00		504.49	4207.05	2710.16	869.84
Hempstead Lake	15341.6*	Max WS	44.09	44.08	0.01	0.00		488.56	4249.00	2684.13	866.83
Hempstead Lake	15321.4*	Max WS	44.09	44.08	0.01	0.00		462.04	4295.67	2663.95	864.65
Hempstead Lake	15301.1*	Max WS	44.09	44.08	0.01	0.00		434.31	4341.88	2645.45	863.77
Hempstead Lake	15280.9*	Max WS	44.09	44.08	0.01	0.00		416.12	4381.25	2624.24	863.47
Hempstead Lake	15260.7*	Max WS	44.09	44.08	0.01	0.00		388.90	4424.96	2607.71	863.49
Hempstead Lake	15240.4*	Max WS	44.09	44.08	0.01	0.00		361.10	4467.73	2592.71	863.97
Hempstead Lake	15220.2*	Max WS	44.09	44.08	0.01	0.00		342.29	4490.31	2588.89	859.14
Hempstead Lake	15200.02	Max WS	44.09	44.08	0.01	0.00		307.36	4430.61	2683.48	819.92
Hempstead Lake	15180.7*	Max WS	44.09	44.08	0.01	0.00		337.44	4591.77	2492.22	847.17
Hempstead Lake	15161.4*	Max WS	44.09	44.08	0.01	0.00		357.72	4721.10	2342.59	868.03
Hempstead Lake	15142.1*	Max WS	44.09	44.08	0.01	0.00		374.09	4838.69	2208.60	889.57
Hempstead Lake	15122.8*	Max WS	44.09	44.08	0.01	0.00		394.70	4943.33	2083.34	909.01
Hempstead Lake	15103.5*	Max WS	44.09	44.08	0.01	0.00		418.22	5054.10	1974.31	927.44
Hempstead Lake	15084.2*	Max WS	44.09	44.08	0.01	0.00		448.67	5133.50	1864.31	945.39
Hempstead Lake	15064.9*	Max WS	44.09	44.08	0.01	0.00		472.19	5209.83	1764.32	962.86
Hempstead Lake	15045.6*	Max WS	44.09	44.08	0.01	0.00		495.89	5279.12	1671.18	979.88
Hempstead Lake	15026.4*	Max WS	44.09	44.08	0.00	0.00		520.40	5341.89	1583.76	996.52
Hempstead Lake	15007.1*	Max WS	44.09	44.08	0.00	0.00		544.69	5398.89	1502.32	1012.81
Hempstead Lake	14987.82	Max WS	44.09	44.08	0.00	0.00		238.59	5712.68	1494.50	1028.77
Hempstead Lake	14966.6*	Max WS	44.09	44.08	0.00	0.00		410.77	5741.88	1341.01	1052.34
Hempstead Lake	14945.4*	Max WS	44.09	44.08	0.00	0.00		383.38	5882.76	1227.36	1076.62
Hempstead Lake	14924.3*	Max WS	44.09	44.08	0.00	0.00		358.40	6013.05	1121.88	1131.21
Hempstead Lake	14903.1*	Max WS	44.09	44.08	0.00	0.00		335.03	6134.44	1023.69	1316.58
Hempstead Lake	14882.*	Max WS	44.09	44.08	0.00	0.00		320.83	6240.26	931.86	1559.06
Hempstead Lake	14860.8*	Max WS	44.09	44.08	0.00	0.00		323.29	6324.43	844.99	1671.41
Hempstead Lake	14839.6*	Max WS	44.09	44.08	0.00	0.00		340.85	6387.81	763.80	1753.32
Hempstead Lake	14818.5*	Max WS	44.09	44.08	0.00	0.00		361.78	6441.98	688.41	1892.51
Hempstead Lake	14797.35	Max WS	44.09	44.08	0.00	0.00		169.31	7053.06	269.53	1941.20
Hempstead Lake	14777.4*	Max WS	44.09	44.08	0.00	0.00		356.00	6552.48	583.15	1956.75
Hempstead Lake	14757.4*	Max WS	44.09	44.08	0.00	0.00		335.12	6601.78	554.47	1946.11
Hempstead Lake	14737.5*	Max WS	44.09	44.08	0.00	0.00		309.08	6662.02	520.00	1923.84
Hempstead Lake	14717.5*	Max WS	44.09	44.08	0.00	0.00		295.16	6702.26	493.42	1910.19
Hempstead Lake	14697.6*	Max WS	44.09	44.08	0.00	0.00		285.57	6737.11	467.91	1879.09
Hempstead Lake	14677.6*	Max WS	44.09	44.08	0.00	0.00		276.40	6771.54	442.41	1878.21
Hempstead Lake	14657.7*	Max WS	44.09	44.08	0.00	0.00		265.47	6812.94	411.68	1877.70
Hempstead Lake	14637.7*	Max WS	44.09	44.08	0.00	0.00		260.29	6840.88	388.68	1875.52
Hempstead Lake	14617.8*	Max WS	44.09	44.08	0.00	0.00		250.15	6871.78	367.67	1878.33
Hempstead Lake	14597.8*	Max WS	44.09	44.08	0.00	0.00		246.83	6894.50	348.03	1900.59
Hempstead Lake	14577.9*	Max WS	44.09	44.08	0.00	0.00		243.91	6931.81	313.42	1797.89
Hempstead Lake	14557.9*	Max WS	44.09	44.08	0.00	0.00		245.31	6947.04	296.57	1747.42
Hempstead Lake	14538.0*	Max WS	44.09	44.08	0.00	0.00		246.58	6951.54	290.58	1768.33
Hempstead Lake	14518.0*	Max WS	44.09	44.08	0.00	0.00		241.88	6967.55	279.04	1785.33
Hempstead Lake	14498.1*	Max WS	44.09	44.08	0.00	0.00		235.90	6978.60	273.76	1799.63
Hempstead Lake	14478.1*	Max WS	44.09	44.08	0.00	0.00		233.77	6986.30	267.98	1817.37
Hempstead Lake	14458.2*	Max WS	44.09	44.08	0.00	0.00		230.86	6995.04	261.93	1832.13
Hempstead Lake	14438.2*	Max WS	44.09	44.08	0.00	0.00		221.22	7017.97	248.43	1841.14
Hempstead Lake	14418.3*	Max WS	44.09	44.08	0.00	0.00		216.48	7030.27	240.65	1848.82
Hempstead Lake	14398.37	Max WS	44.09	44.08	0.00	0.00		127.04	7125.25	234.91	1855.34
Hempstead Lake	14378.3*	Max WS	44.09	44.08	0.00	0.00		130.79	7110.47	245.73	1835.60
Hempstead Lake	14358.3*	Max WS	44.09	44.08	0.00	0.00		134.15	7095.62	257.02	1816.41
Hempstead Lake	14338.2*	Max WS	44.09	44.08	0.00	0.00		137.32	7080.45	268.82	1797.87
Hempstead Lake	14318.2*	Max WS	44.09	44.08	0.00	0.00		140.13	7065.06	281.19	1780.05
Hempstead Lake	14298.2*	Max WS	44.09	44.08	0.00	0.00		142.45	7049.44	294.29	1763.12
Hempstead Lake	14278.1*	Max WS	44.09	44.08	0.00	0.00		143.92	7033.89	308.17	1749.63
Hempstead Lake	14258.1*	Max WS	44.09	44.08	0.00	0.00		144.89	7018.18	322.71	1884.27
Hempstead Lake	14238.1*	Max WS	44.09	44.08	0.00	0.00		146.44	7000.40	338.74	1910.75
Hempstead Lake	14218.0*	Max WS	44.09	44.08	0.00	0.00		147.89	6980.85	356.63	1980.01
Hempstead Lake	14198.0*	Max WS	44.09	44.08	0.00	0.00		123.21	6984.90	377.05	1989.54
Hempstead Lake	14178.0*	Max WS	44.09	44.08	0.00	0.00		134.48	6953.75	396.73	1952.42
Hempstead Lake	14157.9*	Max WS	44.09	44.08	0.00	0.00		145.21	6923.93	415.62	1920.71
Hempstead Lake	14137.9*	Max WS	44.09	44.08	0.00	0.00		154.98	6890.86	438.73	1884.57
Hempstead Lake	14117.9*	Max WS	44.09	44.08	0.00	0.00		163.51	6856.87	464.00	1847.40

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	44.09	44.08	0.00	0.00		170.76	6822.15	491.29	1809.85
Hempstead Lake	14077.8*	Max WS	44.09	44.08	0.00	0.00		176.41	6786.90	520.71	1771.81
Hempstead Lake	14057.8*	Max WS	44.09	44.08	0.00	0.00		180.42	6751.35	552.06	1733.49
Hempstead Lake	14037.7*	Max WS	44.09	44.08	0.00	0.00		182.35	6715.78	585.53	1694.82
Hempstead Lake	14017.75	Max WS	44.09	44.08	0.00	0.00		180.56	6686.67	616.28	1655.93
Hempstead Lake	13998.2*	Max WS	44.09	44.08	0.00	0.00		320.56	6390.63	772.18	1646.86
Hempstead Lake	13978.6*	Max WS	44.09	44.08	0.00	0.00		326.51	6415.31	741.41	1637.71
Hempstead Lake	13959.1*	Max WS	44.09	44.08	0.00	0.00		329.62	6439.60	713.88	1628.50
Hempstead Lake	13939.6*	Max WS	44.09	44.08	0.00	0.00		332.51	6463.90	686.56	1619.22
Hempstead Lake	13920.0*	Max WS	44.09	44.08	0.00	0.00		330.66	6501.75	650.43	1610.00
Hempstead Lake	13900.5*	Max WS	44.09	44.08	0.00	0.00		333.20	6525.68	623.83	1600.77
Hempstead Lake	13881.*	Max WS	44.09	44.08	0.00	0.00		334.67	6551.32	596.59	1591.53
Hempstead Lake	13861.4*	Max WS	44.09	44.08	0.00	0.00		333.35	6589.26	559.84	1580.44
Hempstead Lake	13841.9*	Max WS	44.09	44.08	0.00	0.00		332.68	6615.39	534.26	1569.06
Hempstead Lake	13822.3*	Max WS	44.09	44.08	0.00	0.00		325.37	6656.95	499.89	1558.21
Hempstead Lake	13802.8*	Max WS	44.09	44.08	0.00	0.00		322.40	6685.71	474.00	1547.90
Hempstead Lake	13783.3*	Max WS	44.09	44.08	0.00	0.00		313.51	6725.76	442.70	1536.45
Hempstead Lake	13763.7*	Max WS	44.08	44.08	0.00	0.00		306.33	6760.17	415.37	1526.38
Hempstead Lake	13744.2*	Max WS	44.08	44.08	0.00	0.00		298.24	6800.62	382.91	1517.60
Hempstead Lake	13724.7*	Max WS	44.08	44.08	0.00	0.00		289.87	6835.51	356.28	1509.98
Hempstead Lake	13705.1*	Max WS	44.08	44.08	0.00	0.00		273.39	6886.81	321.36	1503.26
Hempstead Lake	13685.63	Max WS	44.08	44.08	0.00	0.00		197.91	7061.70	221.85	1497.44
Hempstead Lake	13666.4*	Max WS	44.08	44.08	0.00	0.00		264.10	6918.26	299.00	1494.61
Hempstead Lake	13647.1*	Max WS	44.08	44.08	0.00	0.00		266.88	6917.18	297.20	1491.78
Hempstead Lake	13627.9*	Max WS	44.08	44.08	0.00	0.00		272.38	6907.24	301.55	1488.96
Hempstead Lake	13608.7*	Max WS	44.08	44.08	0.00	0.00		274.74	6907.52	298.83	1486.14
Hempstead Lake	13589.5*	Max WS	44.08	44.08	0.00	0.00		276.70	6908.61	295.70	1483.31
Hempstead Lake	13570.2*	Max WS	44.08	44.08	0.00	0.00		277.97	6911.30	291.65	1480.51
Hempstead Lake	13551.0*	Max WS	44.08	44.08	0.00	0.00		283.79	6902.71	294.34	1477.72
Hempstead Lake	13531.8*	Max WS	44.08	44.08	0.00	0.00		286.09	6903.70	290.96	1474.93
Hempstead Lake	13512.6*	Max WS	44.08	44.08	0.00	0.00		288.79	6904.18	287.71	1472.14
Hempstead Lake	13493.3*	Max WS	44.08	44.08	0.00	0.00		291.79	6904.19	284.62	1469.37
Hempstead Lake	13474.1*	Max WS	44.08	44.08	0.00	0.00		296.20	6901.70	282.63	1466.67
Hempstead Lake	13454.9*	Max WS	44.08	44.08	0.00	0.00		307.87	6884.03	288.56	1463.90
Hempstead Lake	13435.72	Max WS	44.08	44.08	0.00	0.00		270.44	6573.80	636.14	1461.16
Hempstead Lake	13419.3*	Max WS	44.08	44.08	0.00	0.00		291.99	6918.01	270.32	1464.85
Hempstead Lake	13403.0*	Max WS	44.08	44.08	0.00	0.00		300.23	6924.20	255.84	1468.56
Hempstead Lake	13386.6*	Max WS	44.08	44.08	0.00	0.00		307.75	6931.72	240.74	1472.24
Hempstead Lake	13370.3*	Max WS	44.08	44.08	0.00	0.00		307.63	6951.94	220.59	1475.89
Hempstead Lake	13354.*	Max WS	44.08	44.08	0.00	0.00		312.82	6962.27	205.02	1479.52
Hempstead Lake	13337.6*	Max WS	44.08	44.08	0.00	0.00		316.79	6973.61	189.67	1483.11
Hempstead Lake	13321.3*	Max WS	44.08	44.08	0.00	0.00		318.51	6987.88	173.61	1486.66
Hempstead Lake	13304.9*	Max WS	44.08	44.08	0.00	0.00		320.26	7001.02	158.68	1490.22
Hempstead Lake	13288.6*	Max WS	44.08	44.08	0.00	0.00		321.17	7014.54	144.19	1493.75
Hempstead Lake	13272.29	Max WS	44.08	44.08	0.00	0.00		270.84	7106.26	102.76	1497.24
Hempstead Lake	13255.0*	Max WS	44.08	44.08	0.00	0.00		266.64	7107.47	105.70	1499.91
Hempstead Lake	13237.8*	Max WS	44.08	44.08	0.00	0.00		268.46	7101.90	109.41	1502.59
Hempstead Lake	13220.5*	Max WS	44.08	44.08	0.00	0.00		270.63	7095.95	113.14	1505.23
Hempstead Lake	13203.3*	Max WS	44.08	44.08	0.00	0.00		267.22	7098.15	114.31	1507.83
Hempstead Lake	13186.0*	Max WS	44.08	44.08	0.00	0.00		269.74	7091.87	118.02	1510.50
Hempstead Lake	13168.8*	Max WS	44.08	44.08	0.00	0.00		272.36	7085.57	121.66	1513.08
Hempstead Lake	13151.6*	Max WS	44.08	44.08	0.00	0.00		274.98	7079.37	125.20	1515.63
Hempstead Lake	13134.3*	Max WS	44.08	44.08	0.00	0.00		275.98	7075.54	128.00	1518.20
Hempstead Lake	13117.1*	Max WS	44.08	44.08	0.00	0.00		277.10	7071.70	130.68	1520.72
Hempstead Lake	13099.8*	Max WS	44.08	44.08	0.00	0.00		272.38	7076.58	130.48	1523.26
Hempstead Lake	13082.6*	Max WS	44.08	44.08	0.00	0.00		271.93	7075.28	132.19	1525.68
Hempstead Lake	13065.3*	Max WS	44.08	44.08	0.00	0.00		270.84	7075.02	133.50	1528.06
Hempstead Lake	13048.1*	Max WS	44.08	44.08	0.00	0.00		270.05	7074.41	134.87	1530.52
Hempstead Lake	13030.9*	Max WS	44.08	44.08	0.00	0.00		267.78	7076.23	135.29	1532.81
Hempstead Lake	13013.6*	Max WS	44.08	44.08	0.00	0.00		264.78	7079.09	135.40	1535.03
Hempstead Lake	12996.4*	Max WS	44.08	44.08	0.00	0.00		259.42	7085.81	134.02	1537.29
Hempstead Lake	12979.1*	Max WS	44.08	44.08	0.00	0.00		255.89	7089.87	133.46	1539.41
Hempstead Lake	12961.9*	Max WS	44.08	44.08	0.00	0.00		252.03	7094.42	132.75	1541.37
Hempstead Lake	12944.7*	Max WS	44.08	44.08	0.00	0.00		250.45	7095.68	133.05	1543.37
Hempstead Lake	12927.4*	Max WS	44.08	44.08	0.00	0.00		246.30	7100.93	131.92	1545.08
Hempstead Lake	12910.2*	Max WS	44.08	44.08	0.00	0.00		242.08	7106.25	130.79	1546.66
Hempstead Lake	12892.97	Max WS	44.08	44.08	0.00	0.00		171.09	7163.75	144.26	1548.14
Hempstead Lake	12881.0*	Max WS	44.08	44.08	0.00	0.00		211.84	8426.75	116.41	1545.89
Hempstead Lake	12869.1*	Max WS	44.08	44.08	0.00	0.00		211.49	8426.22	117.27	1543.38
Hempstead Lake	12857.1*	Max WS	44.08	44.08	0.00	0.00		211.01	8425.82	118.12	1540.99
Hempstead Lake	12845.2*	Max WS	44.08	44.08	0.00	0.00		210.60	8425.14	119.19	1537.60
Hempstead Lake	12833.3*	Max WS	44.08	44.08	0.00	0.00		210.15	8424.60	120.14	1534.14

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	44.08	44.08	0.00	0.00		209.81	8423.90	121.17	1530.62
Hempstead Lake	12809.4*	Max WS	44.08	44.08	0.00	0.00		209.45	8423.16	122.24	1527.11
Hempstead Lake	12797.5*	Max WS	44.08	44.08	0.00	0.00		208.97	8422.47	123.39	1523.05
Hempstead Lake	12785.6*	Max WS	44.08	44.08	0.00	0.00		208.47	8422.43	123.91	1520.94
Hempstead Lake	12773.7*	Max WS	44.08	44.08	0.00	0.00		208.03	8422.34	124.42	1518.79
Hempstead Lake	12761.7*	Max WS	44.08	44.08	0.00	0.00		207.55	8422.22	125.01	1516.42
Hempstead Lake	12749.8*	Max WS	44.08	44.08	0.00	0.00		207.16	8421.90	125.69	1513.83
Hempstead Lake	12737.9*	Max WS	44.08	44.08	0.00	0.00		206.72	8421.64	126.37	1511.00
Hempstead Lake	12726.0*	Max WS	44.08	44.08	0.00	0.00		206.21	8421.49	127.01	1507.76
Hempstead Lake	12714.0*	Max WS	44.08	44.08	0.00	0.00		205.65	8421.15	127.91	1503.68
Hempstead Lake	12702.1*	Max WS	44.08	44.08	0.00	0.00		205.14	8420.22	129.33	1497.66
Hempstead Lake	12690.2*	Max WS	44.08	44.08	0.00	0.00		204.54	8419.06	131.08	1490.32
Hempstead Lake	12678.3*	Max WS	44.08	44.08	0.00	0.00		204.15	8417.05	133.46	1482.11
Hempstead Lake	12666.3*	Max WS	44.08	44.08	0.00	0.00		203.53	8414.78	136.34	1471.91
Hempstead Lake	12654.4*	Max WS	44.08	44.08	0.00	0.00		202.93	8412.79	138.92	1464.04
Hempstead Lake	12642.5*	Max WS	44.08	44.08	0.00	0.00		202.36	8411.29	140.97	1458.47
Hempstead Lake	12630.6*	Max WS	44.08	44.08	0.00	0.00		201.77	8409.73	143.11	1452.63
Hempstead Lake	12618.6*	Max WS	44.08	44.08	0.00	0.00		201.25	8407.69	145.66	1446.68
Hempstead Lake	12606.7*	Max WS	44.08	44.08	0.00	0.00		200.61	8405.69	148.29	1440.35
Hempstead Lake	12594.8*	Max WS	44.08	44.08	0.00	0.00		199.98	8403.35	151.26	1434.01
Hempstead Lake	12582.9*	Max WS	44.08	44.08	0.00	0.00		199.35	8401.53	153.68	1429.08
Hempstead Lake	12570.9*	Max WS	44.08	44.08	0.00	0.00		198.65	8400.07	155.83	1425.33
Hempstead Lake	12559.0*	Max WS	44.08	44.08	0.00	0.00		198.05	8398.43	158.07	1421.67
Hempstead Lake	12547.1*	Max WS	44.08	44.08	0.00	0.00		197.54	8396.73	160.27	1418.02
Hempstead Lake	12535.2*	Max WS	44.08	44.08	0.00	0.00		196.80	8395.11	162.62	1414.36
Hempstead Lake	12523.27	Max WS	44.08	44.08	0.00	0.00		196.37	8400.98	156.99	1410.67
Hempstead Lake	12515.8*	Max WS	44.08	44.08	0.00	0.00		286.38	8883.88	165.54	1397.82
Hempstead Lake	12508.3*	Max WS	44.08	44.08	0.00	0.00		304.00	8868.12	163.68	1384.84
Hempstead Lake	12500.9*	Max WS	44.08	44.08	0.00	0.00		317.63	8856.99	161.17	1372.00
Hempstead Lake	12493.4*	Max WS	44.08	44.08	0.00	0.00		330.86	8847.10	157.82	1359.03
Hempstead Lake	12486.0*	Max WS	44.08	44.08	0.00	0.00		347.51	8834.60	153.67	1346.19
Hempstead Lake	12478.5*	Max WS	44.08	44.08	0.00	0.00		359.81	8827.10	148.88	1333.22
Hempstead Lake	12471.1*	Max WS	44.08	44.08	0.00	0.00		371.22	8820.98	143.58	1320.39
Hempstead Lake	12463.7*	Max WS	44.08	44.08	0.00	0.00		386.93	8811.14	137.70	1307.42
Hempstead Lake	12456.2*	Max WS	44.08	44.08	0.00	0.00		397.36	8806.95	131.46	1294.59
Hempstead Lake	12448.8*	Max WS	44.08	44.08	0.00	0.00		406.97	8804.07	124.72	1281.62
Hempstead Lake	12441.3*	Max WS	44.08	44.08	0.00	0.00		421.48	8796.49	117.79	1268.80
Hempstead Lake	12433.9*	Max WS	44.08	44.08	0.00	0.00		436.96	8786.96	112.40	1255.83
Hempstead Lake	12426.4*	Max WS	44.08	44.08	0.00	0.00		444.46	8786.49	104.81	1243.10
Hempstead Lake	12419.0*	Max WS	44.08	44.08	0.00	0.00		457.12	8781.67	96.97	1230.14
Hempstead Lake	12411.5*	Max WS	44.08	44.08	0.00	0.00		463.22	8783.34	89.19	1217.35
Hempstead Lake	12404.1*	Max WS	44.08	44.08	0.00	0.00		468.46	8785.82	81.47	1204.57
Hempstead Lake	12396.6*	Max WS	44.08	44.08	0.00	0.00		472.67	8789.35	73.73	1191.63
Hempstead Lake	12389.2*	Max WS	44.08	44.08	0.00	0.00		482.87	8787.02	66.02	1178.88
Hempstead Lake	12381.8*	Max WS	44.08	44.08	0.00	0.00		489.78	8786.82	59.13	1165.95
Hempstead Lake	12374.3*	Max WS	44.08	44.08	0.00	0.00		490.53	8793.48	51.72	1153.25
Hempstead Lake	12366.9*	Max WS	44.08	44.08	0.00	0.00		497.69	8793.52	44.52	1140.35
Hempstead Lake	12359.46	Max WS	44.08	44.08	0.00	0.00		224.46	9094.20	17.07	1127.64
Hempstead Lake	12350.7*	Max WS	44.08	44.08	0.00	0.00		521.46	9156.40	40.63	1116.89
Hempstead Lake	12342.0*	Max WS	44.08	44.08	0.00	0.00		525.60	9150.75	42.14	1105.84
Hempstead Lake	12333.3*	Max WS	44.08	44.08	0.00	0.00		529.38	9145.44	43.67	1094.86
Hempstead Lake	12324.7*	Max WS	44.08	44.08	0.00	0.00		525.95	9147.24	45.29	1083.45
Hempstead Lake	12316.0*	Max WS	44.08	44.08	0.00	0.00		529.98	9141.38	47.13	1071.87
Hempstead Lake	12307.3*	Max WS	44.08	44.08	0.00	0.00		533.77	9135.78	48.93	1060.42
Hempstead Lake	12298.6*	Max WS	44.08	44.08	0.00	0.00		537.51	9130.71	50.92	1048.49
Hempstead Lake	12289.9*	Max WS	44.08	44.08	0.00	0.00		536.41	9130.07	52.59	1036.78
Hempstead Lake	12281.2*	Max WS	44.08	44.08	0.00	0.00		539.82	9124.02	54.63	1024.77
Hempstead Lake	12272.5*	Max WS	44.08	44.08	0.00	0.00		536.18	9125.36	56.93	1012.64
Hempstead Lake	12263.8*	Max WS	44.08	44.08	0.01	0.00		539.43	9119.78	59.26	1000.05
Hempstead Lake	12255.1*	Max WS	44.08	44.07	0.01	0.00		542.35	9114.43	61.69	987.43
Hempstead Lake	12246.4*	Max WS	44.08	44.07	0.01	0.00		545.20	9108.95	64.30	974.44
Hempstead Lake	12237.7*	Max WS	44.08	44.07	0.01	0.00		547.52	9104.21	66.94	961.61
Hempstead Lake	12229.1*	Max WS	44.08	44.07	0.01	0.00		550.10	9098.79	69.71	948.44
Hempstead Lake	12220.4*	Max WS	44.08	44.07	0.01	0.00		545.97	9100.06	72.50	935.20
Hempstead Lake	12211.7*	Max WS	44.08	44.07	0.01	0.00		548.17	9094.78	75.52	922.03
Hempstead Lake	12203.0*	Max WS	44.08	44.07	0.01	0.00		550.03	9089.97	78.41	908.60
Hempstead Lake	12194.3*	Max WS	44.08	44.07	0.01	0.00		551.43	9085.68	81.35	895.20
Hempstead Lake	12185.6*	Max WS	44.08	44.07	0.01	0.00		552.82	9081.03	84.61	881.42
Hempstead Lake	12176.9*	Max WS	44.08	44.07	0.01	0.00		554.15	9076.58	87.73	867.70
Hempstead Lake	12168.2*	Max WS	44.08	44.07	0.01	0.00		544.50	9083.35	90.33	853.94
Hempstead Lake	12159.5*	Max WS	44.08	44.07	0.01	0.00		545.15	9079.32	93.64	840.04
Hempstead Lake	12150.8*	Max WS	44.08	44.07	0.01	0.00		545.29	9075.74	97.04	826.04

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	44.08	44.07	0.01	0.00		504.38	9121.18	92.90	812.04
Hempstead Lake	12133.5*	Max WS	44.08	44.07	0.01	0.00		501.15	9121.24	95.56	798.00
Hempstead Lake	12124.8*	Max WS	44.08	44.07	0.01	0.00		497.58	9122.59	98.29	783.80
Hempstead Lake	12116.1*	Max WS	44.08	44.07	0.01	0.00		488.79	9128.15	100.91	769.48
Hempstead Lake	12107.4*	Max WS	44.08	44.07	0.01	0.00		484.02	9130.03	103.75	754.80
Hempstead Lake	12098.7*	Max WS	44.08	44.07	0.01	0.00		478.75	9132.52	106.48	739.79
Hempstead Lake	12090.0*	Max WS	44.08	44.06	0.01	0.00		473.30	9135.23	109.18	724.82
Hempstead Lake	12081.3*	Max WS	44.08	44.06	0.01	0.00		467.24	9138.35	112.07	709.62
Hempstead Lake	12072.6*	Max WS	44.08	44.06	0.01	0.00		460.75	9142.25	114.61	694.33
Hempstead Lake	12063.9*	Max WS	44.08	44.06	0.02	0.00		449.33	9150.88	117.36	678.95
Hempstead Lake	12055.2*	Max WS	44.08	44.06	0.02	0.00		432.49	9167.55	117.49	663.45
Hempstead Lake	12046.5*	Max WS	44.08	44.06	0.02	0.00		424.24	9173.46	119.78	647.86
Hempstead Lake	12037.9*	Max WS	44.08	44.06	0.02	0.00		415.25	9180.18	122.02	632.19
Hempstead Lake	12029.2*	Max WS	44.08	44.06	0.02	0.00		405.59	9187.73	124.09	616.43
Hempstead Lake	12020.5*	Max WS	44.08	44.06	0.02	0.00		395.39	9195.82	126.16	600.47
Hempstead Lake	12011.8*	Max WS	44.08	44.05	0.02	0.00		380.78	9208.60	127.95	584.32
Hempstead Lake	12003.1*	Max WS	44.08	44.05	0.02	0.00		369.25	9218.34	129.70	568.15
Hempstead Lake	11994.45	Max WS	44.08	44.05	0.02	0.00		481.81	9020.57	214.88	551.77
Hempstead Lake	11989.45	Max WS	44.07	44.05	0.03			534.71	9331.64	234.90	551.67
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	39.57	38.94	0.63	0.00			3731.07		468.75
Hempstead Lake	11964.45	Max WS	40.22	40.17	0.06	0.00		513.12	9448.99	112.39	488.01
Hempstead Lake	11954.6*	Max WS	40.22	40.16	0.06	0.00		316.55	9669.29	88.45	496.06
Hempstead Lake	11944.8*	Max WS	40.22	40.16	0.06	0.00		328.03	9647.13	98.93	505.16
Hempstead Lake	11934.9*	Max WS	40.22	40.16	0.06	0.00		337.57	9625.27	111.08	516.38
Hempstead Lake	11925.1*	Max WS	40.22	40.16	0.07	0.00		348.11	9598.95	126.69	527.82
Hempstead Lake	11915.3*	Max WS	40.22	40.16	0.07	0.00		438.71	9455.88	179.01	539.68
Hempstead Lake	11905.5*	Max WS	40.22	40.15	0.07	0.00		443.28	9425.02	205.17	550.78
Hempstead Lake	11895.6*	Max WS	40.22	40.15	0.07	0.00		447.41	9388.72	237.23	562.45
Hempstead Lake	11885.8*	Max WS	40.22	40.15	0.07	0.00		450.26	9350.44	274.87	574.83
Hempstead Lake	11876.0*	Max WS	40.21	40.14	0.07	0.00		452.56	9302.29	320.67	587.25
Hempstead Lake	11866.2*	Max WS	40.21	40.14	0.07	0.00		452.88	9248.80	373.78	600.32
Hempstead Lake	11856.4*	Max WS	40.21	40.14	0.07	0.00		451.84	9177.69	445.80	604.50
Hempstead Lake	11846.5*	Max WS	40.21	40.14	0.07	0.00		450.59	9096.07	528.49	606.16
Hempstead Lake	11836.7*	Max WS	40.21	40.13	0.07	0.00		447.16	9009.20	618.55	607.82
Hempstead Lake	11826.9*	Max WS	40.21	40.13	0.08	0.00		391.47	9050.57	632.57	609.47
Hempstead Lake	11817.1*	Max WS	40.21	40.13	0.08	0.00		389.66	8953.75	730.82	611.13
Hempstead Lake	11807.2*	Max WS	40.20	40.13	0.08	0.00		386.56	8851.33	835.88	612.78
Hempstead Lake	11797.46	Max WS	40.20	40.12	0.08	0.00		311.09	8814.21	947.89	614.44
Hempstead Lake	11792.46	Max WS	40.20	40.12	0.08			322.06	8892.17	858.56	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	38.84	38.62	0.22	0.00		499.96	9405.52	195.66	614.44
Hempstead Lake	11627.46	Max WS	38.83	38.63	0.21	0.01		484.99	9467.20	148.94	614.44
Hempstead Lake	11623.2*	Max WS	38.82	38.66	0.17	0.01		782.36	8967.00	351.78	645.38
Hempstead Lake	11619.1*	Max WS	38.81	38.67	0.15	0.00		804.27	8873.71	423.17	676.31
Hempstead Lake	11614.94	Max WS	38.81	38.66	0.15	0.00		515.56	9299.50	286.07	707.25
Hempstead Lake	11612.94	Max WS	38.81	38.66	0.15			509.58	9320.50	271.05	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	36.57	36.50	0.07	0.00		111.06	4346.55	28.60	700.38
Hempstead Lake	11598.94	Max WS	36.57	36.51	0.06	0.00		112.43	4311.47	26.72	701.03
Hempstead Lake	11573.9*	Max WS	36.56	36.52	0.04	0.00		155.79	4235.37	12.91	776.16
Hempstead Lake	11548.9*	Max WS	36.55	36.52	0.02	0.00		226.20	4125.10	8.42	851.14
Hempstead Lake	11523.9*	Max WS	36.54	36.53	0.01	0.00		302.48	3756.74	5.70	925.74
Hempstead Lake	11498.9*	Max WS	36.54	36.53	0.01	0.00		418.81	3639.38	4.35	1001.73
Hempstead Lake	11473.9*	Max WS	36.54	36.53	0.01	0.00		565.13	3491.93	3.38	1079.01
Hempstead Lake	11448.9*	Max WS	36.54	36.53	0.01	0.00		718.35	3337.64	2.63	1156.86
Hempstead Lake	11423.9*	Max WS	36.54	36.53	0.00	0.00		881.07	3174.03	2.05	1235.13
Hempstead Lake	11398.9*	Max WS	36.54	36.53	0.00	0.00		1065.34	2989.13	1.58	1313.68
Hempstead Lake	11373.9*	Max WS	36.54	36.53	0.00	0.00		1238.19	2816.02	1.21	1392.59
Hempstead Lake	11349.*	Max WS	36.54	36.53	0.00	0.00		1410.16	2642.41	0.92	1466.75
Hempstead Lake	11324.*	Max WS	36.54	36.53	0.00	0.00		1614.02	2438.09	0.68	1538.81
Hempstead Lake	11299.0*	Max WS	36.54	36.53	0.00	0.00		1793.84	2287.76	0.52	1610.89
Hempstead Lake	11274.0*	Max WS	36.54	36.54	0.00	0.00		1956.27	2125.09	0.40	1683.66
Hempstead Lake	11249.0*	Max WS	36.54	36.54	0.00	0.00		2136.44	1944.40	0.29	1756.24
Hempstead Lake	11224.0*	Max WS	36.54	36.54	0.00	0.00		2285.07	1794.85	0.22	1828.42
Hempstead Lake	11199.0*	Max WS	36.54	36.54	0.00	0.00		2425.05	1653.48	0.16	1901.14
Hempstead Lake	11174.0*	Max WS	36.54	36.54	0.00	0.00		2556.68	1519.92	0.12	1973.87
Hempstead Lake	11149.0*	Max WS	36.54	36.54	0.00	0.00		2705.33	1368.75	0.09	2030.32
Hempstead Lake	11124.0*	Max WS	36.54	36.54	0.00	0.00		2820.20	1250.77	0.06	2049.79
Hempstead Lake	11099.0*	Max WS	36.54	36.54	0.00	0.00		2925.46	1141.81	0.04	2110.73
Hempstead Lake	11074.0*	Max WS	36.54	36.54	0.00	0.00		3046.74	1016.20	0.03	2174.82
Hempstead Lake	11049.07	Max WS	36.54	36.54	0.00	0.00		2341.52	1716.44	0.02	2239.39

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	36.54	36.54	0.00	0.00		3050.82	1003.93	0.02	2205.58
Hempstead Lake	11027.7*	Max WS	36.54	36.54	0.00	0.00		2989.62	1061.78	0.02	2179.91
Hempstead Lake	11017.0*	Max WS	36.54	36.54	0.00	0.00		2899.63	1148.28	0.01	2154.14
Hempstead Lake	11006.4*	Max WS	36.54	36.54	0.00	0.00		2804.68	1239.58	0.01	2128.49
Hempstead Lake	10995.7*	Max WS	36.54	36.54	0.00	0.00		2731.57	1308.87	0.01	2102.82
Hempstead Lake	10985.0*	Max WS	36.54	36.54	0.00	0.00		2627.52	1408.96	0.01	2077.18
Hempstead Lake	10974.4*	Max WS	36.54	36.54	0.00	0.00		2546.40	1485.96	0.01	2051.53
Hempstead Lake	10963.7*	Max WS	36.54	36.54	0.00	0.00		2433.98	1594.10	0.00	2026.78
Hempstead Lake	10953.1*	Max WS	36.54	36.54	0.00	0.00		2317.75	1705.89	0.00	2003.01
Hempstead Lake	10942.4*	Max WS	36.54	36.54	0.00	0.00		2225.05	1794.01	0.00	1979.27
Hempstead Lake	10931.7*	Max WS	36.54	36.54	0.00	0.00		2102.24	1912.06	0.00	1950.87
Hempstead Lake	10921.1*	Max WS	36.54	36.54	0.00	0.00		1977.86	2031.59	0.00	1868.94
Hempstead Lake	10910.4*	Max WS	36.54	36.53	0.00	0.00		1878.21	2126.37	0.00	1774.40
Hempstead Lake	10899.7*	Max WS	36.54	36.53	0.00	0.00		1750.60	2249.09	0.00	1731.16
Hempstead Lake	10889.1*	Max WS	36.54	36.53	0.00	0.00		1656.33	2421.42	0.00	1711.46
Hempstead Lake	10878.4*	Max WS	36.53	36.53	0.00	0.00		1552.12	2525.46		1691.85
Hempstead Lake	10867.8*	Max WS	36.53	36.53	0.00	0.00		1423.87	2653.43		1672.58
Hempstead Lake	10857.1*	Max WS	36.53	36.53	0.00	0.00		1319.66	2757.22		1653.66
Hempstead Lake	10846.4*	Max WS	36.53	36.53	0.00	0.00		1195.68	2880.64		1634.61
Hempstead Lake	10835.8*	Max WS	36.53	36.53	0.00	0.00		1075.75	2999.89		1615.57
Hempstead Lake	10825.1*	Max WS	36.53	36.53	0.00	0.00		977.49	3097.34		1596.84
Hempstead Lake	10814.4*	Max WS	36.53	36.53	0.00	0.00		866.41	3207.47		1578.00
Hempstead Lake	10803.8*	Max WS	36.53	36.53	0.00	0.00		761.39	3311.41		1559.30
Hempstead Lake	10793.1*	Max WS	36.53	36.53	0.00	0.00		675.62	3395.98		1540.63
Hempstead Lake	10782.4*	Max WS	36.53	36.53	0.00	0.00		583.18	3487.08		1522.02
Hempstead Lake	10771.8*	Max WS	36.53	36.53	0.00	0.00		498.94	3569.86		1503.61
Hempstead Lake	10761.1*	Max WS	36.53	36.53	0.00	0.00		433.49	3633.73		1485.19
Hempstead Lake	10750.5*	Max WS	36.53	36.53	0.00	0.00		365.99	3699.52		1466.89
Hempstead Lake	10739.8*	Max WS	36.53	36.53	0.00	0.00		305.67	3758.04		1448.64
Hempstead Lake	10729.1*	Max WS	36.53	36.53	0.00	0.00		257.36	3804.44		1430.44
Hempstead Lake	10718.5*	Max WS	36.53	36.53	0.00	0.00		210.12	3849.65		1412.34
Hempstead Lake	10707.8*	Max WS	36.53	36.53	0.00	0.00		172.34	3885.31		1394.47
Hempstead Lake	10697.1*	Max WS	36.53	36.53	0.00	0.00		136.70	3918.74		1376.58
Hempstead Lake	10686.5*	Max WS	36.53	36.53	0.00	0.00		106.62	3946.53		1358.88
Hempstead Lake	10675.8*	Max WS	36.53	36.53	0.00	0.00		83.07	3967.70		1341.19
Hempstead Lake	10665.2*	Max WS	36.53	36.53	0.00	0.00		62.12	3986.20		1323.42
Hempstead Lake	10654.5*	Max WS	36.53	36.52	0.00	0.00		45.32	4000.48		1305.46
Hempstead Lake	10643.8*	Max WS	36.53	36.52	0.00	0.00		32.62	4010.60		1287.85
Hempstead Lake	10633.2*	Max WS	36.52	36.52	0.00	0.00		22.12	4018.47		1270.62
Hempstead Lake	10622.5*	Max WS	36.52	36.52	0.00	0.00		14.23	4023.67		1253.55
Hempstead Lake	10611.8*	Max WS	36.52	36.52	0.00	0.00		8.69	4026.49		1237.04
Hempstead Lake	10601.2*	Max WS	36.52	36.52	0.00	0.00		4.70	4027.73		1220.83
Hempstead Lake	10590.5*	Max WS	36.52	36.52	0.00	0.00		2.19	4027.45		1205.11
Hempstead Lake	10579.8*	Max WS	36.52	36.52	0.00	0.00		0.72	4026.11		1189.76
Hempstead Lake	10569.23	Max WS	36.52	36.52	0.00	0.00		0.06	4023.94		1174.57
Hempstead Lake	10549.1*	Max WS	36.52	36.52	0.00	0.00		0.05	4021.03		1171.46
Hempstead Lake	10529.0*	Max WS	36.52	36.52	0.00	0.00		0.04	4018.10		1168.23
Hempstead Lake	10508.9*	Max WS	36.52	36.52	0.00	0.00		0.04	4015.16		1165.03
Hempstead Lake	10488.7*	Max WS	36.52	36.52	0.00	0.00		0.03	4012.22		1161.69
Hempstead Lake	10468.6*	Max WS	36.52	36.52	0.00	0.00		0.02	4009.28		1158.24
Hempstead Lake	10448.5*	Max WS	36.52	36.51	0.00	0.00		0.02	4214.60		1154.86
Hempstead Lake	10428.4*	Max WS	36.52	36.51	0.00	0.00		0.01	4214.52		1151.36
Hempstead Lake	10408.3*	Max WS	36.51	36.51	0.00	0.00		0.01	4214.40		1147.71
Hempstead Lake	10388.2*	Max WS	36.51	36.51	0.00	0.00		0.00	4214.23		1144.18
Hempstead Lake	10368.1*	Max WS	36.51	36.51	0.00	0.00		0.00	4214.00		1140.53
Hempstead Lake	10348.0*	Max WS	36.51	36.51	0.00	0.00		0.00	4213.74		1136.69
Hempstead Lake	10327.9*	Max WS	36.51	36.51	0.00	0.00		0.00	4213.43		1132.22
Hempstead Lake	10307.8*	Max WS	36.51	36.51	0.00	0.00		0.00	4213.09		1127.86
Hempstead Lake	10287.7*	Max WS	36.51	36.51	0.00	0.00			4212.73		1122.88
Hempstead Lake	10267.6*	Max WS	36.51	36.51	0.00	0.00			4212.33		1118.18
Hempstead Lake	10247.4*	Max WS	36.51	36.51	0.00	0.00			4211.91		1113.41
Hempstead Lake	10227.3*	Max WS	36.51	36.51	0.00	0.00			4211.48		1109.24
Hempstead Lake	10207.2*	Max WS	36.51	36.51	0.00	0.00			4211.03		1105.20
Hempstead Lake	10187.1*	Max WS	36.51	36.50	0.00	0.00			4210.56		1101.66
Hempstead Lake	10167.0*	Max WS	36.51	36.50	0.00	0.00		0.00	4210.06		1114.29
Hempstead Lake	10146.9*	Max WS	36.50	36.50	0.00	0.00		0.03	4209.52		1159.47
Hempstead Lake	10126.8*	Max WS	36.50	36.50	0.00	0.00		0.13	4208.88		1177.25
Hempstead Lake	10106.7*	Max WS	36.50	36.50	0.00	0.00		0.32	4208.15	0.00	1186.77
Hempstead Lake	10086.6*	Max WS	36.50	36.50	0.00	0.00		0.60	4207.32	0.00	1197.72
Hempstead Lake	10066.5*	Max WS	36.50	36.50	0.00	0.00		0.95	4206.39	0.00	1209.16
Hempstead Lake	10046.4*	Max WS	36.50	36.50	0.00	0.00		1.47	4205.31	0.00	1221.27
Hempstead Lake	10026.2*	Max WS	36.50	36.50	0.00	0.00		2.05	4204.15	0.00	1232.27

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	36.50	36.50	0.00	0.00		2.75	4202.88	0.01	1242.72
Hempstead Lake	9986.073	Max WS	36.50	36.50	0.00	0.00		3.18	4201.86	0.02	1251.71
Hempstead Lake	9965.77*	Max WS	36.50	36.50	0.00	0.00		2.97	4201.48	0.02	1252.36
Hempstead Lake	9945.47*	Max WS	36.50	36.49	0.00	0.00		2.65	4201.20	0.05	1251.79
Hempstead Lake	9925.18*	Max WS	36.50	36.49	0.00	0.00		2.34	4200.90	0.08	1251.99
Hempstead Lake	9904.88*	Max WS	36.49	36.49	0.00	0.00		2.04	4200.60	0.12	1253.38
Hempstead Lake	9884.59*	Max WS	36.49	36.49	0.00	0.00		1.75	4200.29	0.18	1253.33
Hempstead Lake	9864.29*	Max WS	36.49	36.49	0.00	0.00		1.47	4199.99	0.24	1251.89
Hempstead Lake	9843.99*	Max WS	36.49	36.49	0.00	0.00		1.21	4199.67	0.32	1248.90
Hempstead Lake	9823.7*	Max WS	36.49	36.49	0.00	0.00		0.96	4199.34	0.41	1245.10
Hempstead Lake	9803.40*	Max WS	36.49	36.49	0.00	0.00		0.76	4198.97	0.52	1239.87
Hempstead Lake	9783.10*	Max WS	36.49	36.49	0.00	0.00		0.58	4198.55	0.66	1233.41
Hempstead Lake	9762.81*	Max WS	36.49	36.49	0.00	0.00		0.44	4198.12	0.79	1225.91
Hempstead Lake	9742.51*	Max WS	36.49	36.49	0.00	0.00		0.33	4197.62	0.97	1217.09
Hempstead Lake	9722.21*	Max WS	36.49	36.48	0.00	0.00		0.29	4197.08	1.15	1192.67
Hempstead Lake	9701.92*	Max WS	36.49	36.48	0.00	0.00		0.33	4196.47	1.36	1123.67
Hempstead Lake	9681.62*	Max WS	36.48	36.48	0.00	0.00		0.38	4195.85	1.58	1101.85
Hempstead Lake	9661.32*	Max WS	36.48	36.48	0.00	0.00		0.46	4195.22	1.81	1077.51
Hempstead Lake	9641.03*	Max WS	36.48	36.48	0.00	0.00		0.48	3666.61	1.81	1054.61
Hempstead Lake	9620.73*	Max WS	36.48	36.48	0.00	0.00		0.56	3665.56	2.05	1053.46
Hempstead Lake	9600.43*	Max WS	36.48	36.48	0.00	0.00		0.65	3664.48	2.31	1051.73
Hempstead Lake	9580.14*	Max WS	36.48	36.48	0.00	0.00		0.74	3663.46	2.52	1048.91
Hempstead Lake	9559.84*	Max WS	36.48	36.48	0.00	0.00		0.87	3662.33	2.79	1046.38
Hempstead Lake	9539.54*	Max WS	36.48	36.48	0.00	0.00		1.01	3661.17	3.09	1044.37
Hempstead Lake	9519.25*	Max WS	36.48	36.48	0.00	0.00		1.17	3659.98	3.40	1042.33
Hempstead Lake	9498.95*	Max WS	36.48	36.48	0.00	0.00		1.34	3658.75	3.74	1040.27
Hempstead Lake	9478.65*	Max WS	36.48	36.48	0.00	0.00		1.53	3657.52	4.08	1038.22
Hempstead Lake	9458.36*	Max WS	36.48	36.48	0.00	0.00		1.72	3656.24	4.45	1035.99
Hempstead Lake	9438.06*	Max WS	36.48	36.48	0.00	0.00		1.94	3654.94	4.84	1033.71
Hempstead Lake	9417.76*	Max WS	36.48	36.47	0.00	0.00		2.17	3653.59	5.25	1031.53
Hempstead Lake	9397.47*	Max WS	36.48	36.47	0.00	0.00		2.42	3652.22	5.67	1029.35
Hempstead Lake	9377.17*	Max WS	36.47	36.47	0.00	0.00		2.68	3650.81	6.11	1027.12
Hempstead Lake	9356.87*	Max WS	36.47	36.47	0.00	0.00		2.96	3649.37	6.58	1025.00
Hempstead Lake	9336.58*	Max WS	36.47	36.47	0.00	0.00		3.26	3647.88	7.07	1022.74
Hempstead Lake	9316.28*	Max WS	36.47	36.47	0.00	0.00		3.58	3646.38	7.57	1020.27
Hempstead Lake	9295.98*	Max WS	36.47	36.47	0.00	0.00		3.91	3644.83	8.11	1018.08
Hempstead Lake	9275.69*	Max WS	36.47	36.47	0.00	0.00		4.26	3643.26	8.65	1015.75
Hempstead Lake	9255.39*	Max WS	36.47	36.47	0.00	0.00		4.63	3641.61	9.24	1013.55
Hempstead Lake	9235.09*	Max WS	36.47	36.47	0.00	0.00		5.02	3639.96	9.84	1011.19
Hempstead Lake	9214.80*	Max WS	36.47	36.47	0.00	0.00		5.43	3638.25	10.46	1009.18
Hempstead Lake	9194.50*	Max WS	36.47	36.47	0.00	0.00		6.14	3823.79	11.66	1006.92
Hempstead Lake	9174.20*	Max WS	36.47	36.47	0.00	0.00		6.61	3822.59	12.38	1005.06
Hempstead Lake	9153.910	Max WS	36.47	36.47	0.00	0.00		7.15	3823.10	11.33	1002.90
Hempstead Lake	9133.22*	Max WS	36.47	36.47	0.00	0.00		7.20	3950.02	11.42	1010.09
Hempstead Lake	9112.54*	Max WS	36.47	36.46	0.00	0.00		7.04	3950.37	11.20	1017.44
Hempstead Lake	9091.85*	Max WS	36.47	36.46	0.00	0.00		6.91	3950.68	10.99	1024.89
Hempstead Lake	9071.17*	Max WS	36.46	36.46	0.00	0.00		6.77	3950.99	10.78	1032.47
Hempstead Lake	9050.49*	Max WS	36.46	36.46	0.00	0.00		6.64	3951.28	10.57	1040.12
Hempstead Lake	9029.80*	Max WS	36.46	36.46	0.00	0.00		6.51	3951.56	10.36	1047.82
Hempstead Lake	9009.12*	Max WS	36.46	36.46	0.00	0.00		6.38	3951.81	10.16	1055.76
Hempstead Lake	8988.44*	Max WS	36.46	36.46	0.00	0.00		6.26	3952.08	9.95	1063.86
Hempstead Lake	8967.75*	Max WS	36.46	36.46	0.00	0.00		5.29	3395.51	8.36	1072.14
Hempstead Lake	8947.07*	Max WS	36.46	36.46	0.00	0.00		5.19	3395.68	8.19	1080.61
Hempstead Lake	8926.39*	Max WS	36.46	36.46	0.00	0.00		5.09	3395.88	7.99	1089.47
Hempstead Lake	8905.70*	Max WS	36.46	36.46	0.00	0.00		5.17	3395.63	8.08	1098.24
Hempstead Lake	8885.02*	Max WS	36.46	36.46	0.00	0.00		5.09	3395.81	7.90	1107.48
Hempstead Lake	8864.33*	Max WS	36.46	36.46	0.00	0.00		5.00	3396.00	7.71	1116.99
Hempstead Lake	8843.65*	Max WS	36.46	36.46	0.00	0.00		4.93	3396.19	7.52	1126.88
Hempstead Lake	8822.97*	Max WS	36.46	36.46	0.00	0.00		4.61	3396.61	7.34	1148.37
Hempstead Lake	8802.28*	Max WS	36.46	36.46	0.00	0.00		4.34	3397.00	7.15	1173.50
Hempstead Lake	8781.60*	Max WS	36.46	36.46	0.00	0.00		4.14	3397.31	6.97	1202.48
Hempstead Lake	8760.92*	Max WS	36.46	36.46	0.00	0.00		4.01	3397.53	6.79	1235.52
Hempstead Lake	8740.23*	Max WS	36.46	36.46	0.00	0.00		3.69	3397.98	6.60	1302.95
Hempstead Lake	8719.55*	Max WS	36.46	36.46	0.00	0.00		3.87	3397.91	6.42	1340.81
Hempstead Lake	8698.86*	Max WS	36.46	36.45	0.00	0.00		4.02	3397.86	6.24	1394.07
Hempstead Lake	8678.18*	Max WS	36.45	36.45	0.00	0.00		4.29	3397.72	6.05	1451.59
Hempstead Lake	8657.50*	Max WS	36.45	36.45	0.00	0.00		4.81	3397.32	5.88	1486.57
Hempstead Lake	8636.81*	Max WS	36.45	36.45	0.00	0.00		5.50	3396.76	5.69	1507.97
Hempstead Lake	8616.13*	Max WS	36.45	36.45	0.00	0.00		6.21	3396.18	5.51	1534.04
Hempstead Lake	8595.45*	Max WS	36.45	36.45	0.00	0.00		6.99	3395.51	5.33	1560.08
Hempstead Lake	8574.76*	Max WS	36.45	36.45	0.00	0.00		7.85	3394.79	5.15	1584.00
Hempstead Lake	8554.08*	Max WS	36.45	36.45	0.00	0.00		8.76	3394.01	4.97	1606.49

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	36.45	36.45	0.00	0.00		9.77	3393.12	4.80	1628.98
Hempstead Lake	8512.71*	Max WS	36.45	36.45	0.00	0.00		10.82	3392.21	4.61	1651.45
Hempstead Lake	8492.03*	Max WS	36.45	36.45	0.00	0.00		11.99	3391.18	4.44	1671.76
Hempstead Lake	8471.34*	Max WS	36.45	36.45	0.00	0.00		13.21	3390.09	4.27	1691.62
Hempstead Lake	8450.66*	Max WS	36.45	36.45	0.00	0.00		14.53	3388.91	4.09	1708.44
Hempstead Lake	8429.980	Max WS	36.45	36.45	0.00	0.00		15.69	3387.97	3.85	1723.14
Hempstead Lake	8416.34*	Max WS	36.45	36.45	0.00	0.00		15.35	3388.29	3.85	1731.67
Hempstead Lake	8402.71*	Max WS	36.45	36.45	0.00	0.00		14.99	3388.62	3.86	1743.19
Hempstead Lake	8389.07*	Max WS	36.45	36.45	0.00	0.00		14.62	3388.98	3.86	1753.87
Hempstead Lake	8375.44*	Max WS	36.45	36.45	0.00	0.00		14.29	3389.28	3.87	1764.98
Hempstead Lake	8361.81*	Max WS	36.45	36.45	0.00	0.00		13.96	3389.59	3.87	1776.71
Hempstead Lake	8348.17*	Max WS	36.45	36.45	0.00	0.00		13.66	3389.87	3.87	1789.08
Hempstead Lake	8334.54*	Max WS	36.45	36.45	0.00	0.00		13.34	3390.16	3.88	1800.13
Hempstead Lake	8320.91*	Max WS	36.45	36.45	0.00	0.00		13.07	3390.42	3.88	1812.23
Hempstead Lake	8307.27*	Max WS	36.45	36.45	0.00	0.00		12.80	3390.66	3.88	1825.11
Hempstead Lake	8293.64*	Max WS	36.45	36.45	0.00	0.00		12.53	3390.90	3.89	1837.65
Hempstead Lake	8280.00*	Max WS	36.45	36.45	0.00	0.00		12.28	3391.13	3.89	1850.25
Hempstead Lake	8266.37*	Max WS	36.45	36.45	0.00	0.00		12.04	3391.34	3.90	1863.06
Hempstead Lake	8252.74*	Max WS	36.45	36.45	0.00	0.00		11.73	3391.62	3.91	1882.01
Hempstead Lake	8239.10*	Max WS	36.45	36.45	0.00	0.00		11.47	3391.85	3.91	1902.19
Hempstead Lake	8225.47*	Max WS	36.45	36.44	0.00	0.00		11.21	3392.09	3.91	1923.52
Hempstead Lake	8211.84*	Max WS	36.45	36.44	0.00	0.00		10.97	3392.30	3.92	1946.14
Hempstead Lake	8198.20*	Max WS	36.44	36.44	0.00	0.00		10.74	3392.50	3.91	1968.30
Hempstead Lake	8184.57*	Max WS	36.44	36.44	0.00	0.00		10.59	3392.61	3.92	1987.08
Hempstead Lake	8170.93*	Max WS	36.44	36.44	0.00	0.00		10.47	3392.71	3.92	2003.73
Hempstead Lake	8157.30*	Max WS	36.44	36.44	0.00	0.00		10.38	3392.76	3.93	2018.62
Hempstead Lake	8143.67*	Max WS	36.44	36.44	0.00	0.00		10.28	3392.82	3.94	2036.68
Hempstead Lake	8130.03*	Max WS	36.44	36.44	0.00	0.00		10.18	3392.90	3.94	2054.72
Hempstead Lake	8116.40*	Max WS	36.44	36.44	0.00	0.00		10.12	3392.92	3.94	2074.56
Hempstead Lake	8102.76*	Max WS	36.44	36.44	0.00	0.00		10.04	3392.95	3.95	2105.51
Hempstead Lake	8089.13*	Max WS	36.44	36.44	0.00	0.00		9.83	3393.14	3.95	2162.76
Hempstead Lake	8075.50*	Max WS	36.44	36.44	0.00	0.00		9.78	3393.14	3.95	2217.23
Hempstead Lake	8061.86*	Max WS	36.44	36.44	0.00	0.00		9.77	3393.11	3.96	2278.26
Hempstead Lake	8048.23*	Max WS	36.44	36.44	0.00	0.00		9.82	3393.01	3.96	2338.19
Hempstead Lake	8034.6*	Max WS	36.44	36.44	0.00	0.00		10.34	3532.33	4.13	2389.36
Hempstead Lake	8020.96*	Max WS	36.44	36.44	0.00	0.00		10.46	3532.20	4.12	2442.39
Hempstead Lake	8007.33*	Max WS	36.44	36.44	0.00	0.00		14.14	4696.46	5.47	2479.63
Hempstead Lake	7993.69*	Max WS	36.44	36.44	0.00	0.00		15.11	4433.83	5.17	2480.12
Hempstead Lake	7980.06*	Max WS	36.44	36.44	0.00	0.00		14.63	4146.55	4.82	2487.02
Hempstead Lake	7966.43*	Max WS	36.44	36.44	0.00	0.00		14.72	4037.49	4.69	2554.29
Hempstead Lake	7952.79*	Max WS	36.44	36.44	0.00	0.00		13.33	3924.90	4.56	3024.64
Hempstead Lake	7939.16*	Max WS	36.44	36.44	0.00	0.00		14.28	3923.92	4.56	3024.09
Hempstead Lake	7925.53*	Max WS	36.44	36.44	0.00	0.00		14.90	3805.36	4.42	3023.40
Hempstead Lake	7911.89*	Max WS	36.44	36.44	0.00	0.00		16.01	3804.22	4.42	3024.68
Hempstead Lake	7898.26*	Max WS	36.44	36.44	0.00	0.00		17.14	3803.03	4.42	3026.06
Hempstead Lake	7884.62*	Max WS	36.44	36.44	0.00	0.00		17.79	3681.52	4.28	3028.54
Hempstead Lake	7870.99*	Max WS	36.44	36.44	0.00	0.00		18.98	3680.31	4.27	3030.61
Hempstead Lake	7857.36*	Max WS	36.44	36.44	0.00	0.00		20.30	3678.94	4.29	3034.02
Hempstead Lake	7843.72*	Max WS	36.44	36.44	0.00	0.00		21.59	3677.60	4.29	3037.67
Hempstead Lake	7830.09*	Max WS	36.44	36.44	0.00	0.00		23.01	3676.11	4.29	3042.07
Hempstead Lake	7816.45*	Max WS	36.44	36.44	0.00	0.00		24.49	3674.54	4.30	3046.90
Hempstead Lake	7802.82*	Max WS	36.44	36.44	0.00	0.00		25.04	3551.51	4.15	3054.37
Hempstead Lake	7789.19*	Max WS	36.44	36.44	0.00	0.00		27.48	3671.37	4.27	3063.22
Hempstead Lake	7775.55*	Max WS	36.44	36.44	0.00	0.00		28.04	3548.51	4.13	3070.91
Hempstead Lake	7761.92*	Max WS	36.44	36.44	0.00	0.00		29.58	3546.97	4.11	3083.45
Hempstead Lake	7748.29*	Max WS	36.44	36.44	0.00	0.00		31.16	3545.55	3.92	3113.22
Hempstead Lake	7734.65*	Max WS	36.44	36.44	0.00	0.00		32.83	3543.92	3.85	3138.23
Hempstead Lake	7721.02*	Max WS	36.45	36.44	0.00	0.00		34.54	3542.10	3.89	3148.02
Hempstead Lake	7707.38*	Max WS	36.45	36.44	0.00	0.00		36.14	3540.39	3.94	3160.14
Hempstead Lake	7693.75*	Max WS	36.45	36.45	0.00	0.00		37.89	3538.50	4.01	3171.61
Hempstead Lake	7680.12*	Max WS	36.45	36.45	0.00	0.00		39.56	3536.68	4.08	3183.29
Hempstead Lake	7666.48*	Max WS	36.45	36.45	0.00	0.00		41.37	3534.72	4.13	3197.99
Hempstead Lake	7652.85*	Max WS	36.45	36.45	0.00	0.00		43.10	3533.22	3.81	3275.50
Hempstead Lake	7639.22*	Max WS	36.45	36.45	0.00	0.00		44.96	3531.09	3.96	3281.55
Hempstead Lake	7625.58*	Max WS	36.45	36.45	0.00	0.00		46.86	3528.90	4.11	3288.53
Hempstead Lake	7611.95*	Max WS	36.45	36.45	0.00	0.00		48.65	3526.82	4.27	3295.56
Hempstead Lake	7598.31*	Max WS	36.45	36.45	0.00	0.00		50.54	3524.63	4.42	3302.03
Hempstead Lake	7584.68*	Max WS	36.45	36.45	0.00	0.00		52.39	3522.44	4.59	3309.22
Hempstead Lake	7571.05*	Max WS	36.45	36.45	0.00	0.00		54.33	3519.32	4.75	3315.43
Hempstead Lake	7557.41*	Max WS	36.45	36.45	0.00	0.00		56.19	3515.39	4.91	3322.73
Hempstead Lake	7543.783	Max WS	36.45	36.45	0.00	0.00		58.82	3510.52	5.13	3330.08
Hempstead Lake	7530.03*	Max WS	36.45	36.45	0.00	0.00		62.21	3528.81	5.76	3337.03

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	36.45	36.45	0.00	0.00		64.07	3524.69	5.94	3344.63
Hempstead Lake	7502.53*	Max WS	36.45	36.45	0.00	0.00		65.94	3520.49	6.12	3352.03
Hempstead Lake	7488.79*	Max WS	36.45	36.45	0.00	0.00		64.08	3321.47	204.87	5019.44
Hempstead Lake	7475.04*	Max WS	36.45	36.45	0.00	0.00		65.87	3316.02	206.39	5033.17
Hempstead Lake	7461.29*	Max WS	36.45	36.45	0.00	0.00		67.65	3311.32	208.07	5047.72
Hempstead Lake	7447.54*	Max WS	36.45	36.45	0.00	0.00		69.50	3308.61	207.52	5063.26
Hempstead Lake	7433.79*	Max WS	36.45	36.45	0.00	0.00		71.24	3302.59	209.29	5080.47
Hempstead Lake	7420.04*	Max WS	36.45	36.45	0.00	0.00		73.04	3296.47	211.14	5096.93
Hempstead Lake	7406.3*	Max WS	36.45	36.45	0.00	0.00		74.85	3290.23	213.08	5113.84
Hempstead Lake	7392.55*	Max WS	36.45	36.45	0.00	0.00		76.93	3294.27	213.16	5131.54
Hempstead Lake	7378.80*	Max WS	36.45	36.45	0.00	0.00		78.78	3286.65	215.22	5149.41
Hempstead Lake	7365.05*	Max WS	36.45	36.45	0.00	0.00		80.66	3280.49	217.42	5167.55
Hempstead Lake	7351.30*	Max WS	36.45	36.45	0.00	0.00		82.58	3275.61	219.84	5185.73
Hempstead Lake	7337.55*	Max WS	36.45	36.45	0.00	0.00		84.56	3273.29	219.64	5205.31
Hempstead Lake	7323.81*	Max WS	36.45	36.45	0.00	0.00		86.49	3268.24	222.21	5224.84
Hempstead Lake	7310.06*	Max WS	36.45	36.45	0.00	0.00		88.49	3262.93	224.99	5245.32
Hempstead Lake	7296.31*	Max WS	36.45	36.45	0.00	0.00		90.46	3257.59	227.81	5266.31
Hempstead Lake	7282.56*	Max WS	36.45	36.45	0.00	0.00		92.53	3255.10	227.68	5287.54
Hempstead Lake	7268.81*	Max WS	36.45	36.45	0.00	0.00		94.57	3249.45	230.74	5310.51
Hempstead Lake	7255.06*	Max WS	36.45	36.45	0.00	0.00		96.46	3243.86	233.87	5336.51
Hempstead Lake	7241.32*	Max WS	36.45	36.45	0.00	0.00		98.32	3238.10	237.21	5367.03
Hempstead Lake	7227.57*	Max WS	36.45	36.45	0.00	0.00		100.18	3232.19	240.67	5396.34
Hempstead Lake	7213.82*	Max WS	36.45	36.45	0.00	0.00		102.14	3229.60	240.72	5427.08
Hempstead Lake	7200.07*	Max WS	36.45	36.45	0.00	0.00		104.02	3223.43	244.41	5457.71
Hempstead Lake	7186.32*	Max WS	36.45	36.45	0.00	0.00		106.00	3217.06	248.20	5490.03
Hempstead Lake	7172.57*	Max WS	36.45	36.45	0.00	0.00		104.81	3213.45	252.41	5518.10
Hempstead Lake	7158.83*	Max WS	36.45	36.45	0.00	0.00		107.39	3210.19	252.49	5528.04
Hempstead Lake	7145.08*	Max WS	36.45	36.45	0.00	0.00		109.84	3202.98	256.65	5537.88
Hempstead Lake	7131.33*	Max WS	36.45	36.45	0.00	0.00		112.36	3195.46	261.02	5547.82
Hempstead Lake	7117.58*	Max WS	36.45	36.45	0.00	0.00		114.85	3187.81	265.55	5557.67
Hempstead Lake	7103.83*	Max WS	36.45	36.45	0.00	0.00		117.49	3184.33	265.77	5567.53
Hempstead Lake	7090.08*	Max WS	36.45	36.45	0.00	0.00		116.62	3187.33	263.00	5577.50
Hempstead Lake	7076.34*	Max WS	36.45	36.45	0.00	0.00		119.07	3179.45	267.80	5587.37
Hempstead Lake	7062.59*	Max WS	36.45	36.45	0.00	0.00		120.80	3173.52	271.35	5597.36
Hempstead Lake	7048.84*	Max WS	36.45	36.45	0.00	0.00		123.37	3170.04	271.63	5607.25
Hempstead Lake	7035.09*	Max WS	36.45	36.45	0.00	0.00		125.84	3161.69	276.87	5617.15
Hempstead Lake	7021.34*	Max WS	36.45	36.45	0.00	0.00		128.25	3153.11	282.38	5626.87
Hempstead Lake	7007.6*	Max WS	36.45	36.45	0.00	0.00		130.67	3144.28	288.12	5636.78
Hempstead Lake	6993.85*	Max WS	36.45	36.45	0.00	0.00		133.10	3135.16	294.15	5646.80
Hempstead Lake	6980.10*	Max WS	36.45	36.45	0.00	0.00		135.77	3131.45	294.53	5656.73
Hempstead Lake	6966.35*	Max WS	36.45	36.45	0.00	0.00		138.14	3122.10	300.83	5666.68
Hempstead Lake	6952.60*	Max WS	36.45	36.45	0.00	0.00		140.60	3112.40	307.42	5676.74
Hempstead Lake	6938.85*	Max WS	36.45	36.45	0.00	0.00		142.97	3102.18	314.60	5659.48
Hempstead Lake	6925.11*	Max WS	36.45	36.45	0.00	0.00		145.61	3098.19	315.29	5609.97
Hempstead Lake	6911.36*	Max WS	36.45	36.45	0.00	0.00		148.01	3086.85	323.57	5597.31
Hempstead Lake	6897.61*	Max WS	36.45	36.45	0.00	0.00		150.30	3074.87	332.59	5593.60
Hempstead Lake	6883.86*	Max WS	36.45	36.45	0.00	0.00		152.59	3062.30	342.21	5590.93
Hempstead Lake	6870.11*	Max WS	36.45	36.45	0.00	0.00		155.25	3056.75	344.42	5588.63
Hempstead Lake	6856.36*	Max WS	36.45	36.45	0.00	0.00		157.52	3043.50	354.73	5586.79
Hempstead Lake	6842.62*	Max WS	36.45	36.45	0.00	0.00		159.71	3029.69	365.67	5585.44
Hempstead Lake	6828.87*	Max WS	36.45	36.45	0.00	0.00		161.92	3015.15	377.34	5583.90
Hempstead Lake	6815.12*	Max WS	36.45	36.45	0.00	0.00		164.53	3008.97	380.22	5583.33
Hempstead Lake	6801.37*	Max WS	36.45	36.45	0.00	0.00		166.64	2993.46	392.93	5582.27
Hempstead Lake	6787.62*	Max WS	36.45	36.45	0.00	0.00		168.63	2976.82	406.88	5579.13
Hempstead Lake	6773.87*	Max WS	36.45	36.45	0.00	0.00		172.15	2953.45	426.05	5579.62
Hempstead Lake	6760.13*	Max WS	36.45	36.45	0.00	0.00		174.79	2946.11	430.09	5585.60
Hempstead Lake	6746.38*	Max WS	36.45	36.45	0.00	0.00		176.67	2925.92	445.72	5590.45
Hempstead Lake	6732.634	Max WS	36.45	36.45	0.00	0.00		176.26	2898.63	468.82	5594.42
Hempstead Lake	6718.98*	Max WS	36.45	36.45	0.00	0.00		203.48	2869.87	465.91	5550.03
Hempstead Lake	6705.33*	Max WS	36.45	36.45	0.00	0.00		207.15	2853.35	474.26	5525.41
Hempstead Lake	6691.68*	Max WS	36.45	36.45	0.00	0.00		210.98	2849.43	469.77	5500.49
Hempstead Lake	6678.03*	Max WS	36.45	36.45	0.00	0.00		212.15	2835.10	478.31	5475.79
Hempstead Lake	6664.38*	Max WS	36.45	36.45	0.00	0.00		215.33	2819.13	486.42	5451.32
Hempstead Lake	6650.72*	Max WS	36.45	36.45	0.00	0.00		218.57	2802.92	494.68	5426.43
Hempstead Lake	6637.07*	Max WS	36.45	36.45	0.00	0.00		222.01	2799.52	489.97	5401.79
Hempstead Lake	6623.42*	Max WS	36.45	36.45	0.00	0.00		225.49	2783.05	498.26	5376.86
Hempstead Lake	6609.77*	Max WS	36.45	36.45	0.00	0.00		229.08	2766.86	506.05	5351.39
Hempstead Lake	6596.12*	Max WS	36.45	36.45	0.00	0.00		232.74	2750.24	514.21	5325.62
Hempstead Lake	6582.47*	Max WS	36.45	36.45	0.00	0.00		235.70	2746.68	510.01	5302.44
Hempstead Lake	6568.82*	Max WS	36.45	36.45	0.00	0.00		241.10	2730.93	517.71	5277.51
Hempstead Lake	6555.17*	Max WS	36.45	36.45	0.00	0.00		245.57	2717.30	526.40	5250.67
Hempstead Lake	6541.52*	Max WS	36.45	36.45	0.00	0.00		248.27	2705.51	535.02	5174.17

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	36.45	36.45	0.00	0.00		252.94	2691.71	543.68	5158.32
Hempstead Lake	6514.22*	Max WS	36.45	36.45	0.00	0.00		258.99	2689.28	539.59	5142.78
Hempstead Lake	6500.57*	Max WS	36.45	36.45	0.00	0.00		264.28	2675.58	547.54	5127.36
Hempstead Lake	6486.91*	Max WS	36.45	36.45	0.00	0.00		269.61	2661.16	556.15	5112.08
Hempstead Lake	6473.26*	Max WS	36.45	36.45	0.00	0.00		275.15	2647.09	564.20	5097.12
Hempstead Lake	6459.61*	Max WS	36.45	36.45	0.00	0.00		280.35	2645.33	560.28	5082.48
Hempstead Lake	6445.96*	Max WS	36.45	36.45	0.00	0.00		286.38	2630.99	568.12	5067.85
Hempstead Lake	6432.31*	Max WS	36.45	36.45	0.00	0.00		295.19	2613.82	575.99	5053.80
Hempstead Lake	6418.66*	Max WS	36.45	36.45	0.00	0.00		300.06	2599.66	584.78	5040.02
Hempstead Lake	6405.01*	Max WS	36.45	36.45	0.00	0.00		308.39	2595.95	579.67	5027.18
Hempstead Lake	6391.36*	Max WS	36.45	36.45	0.00	0.00		315.56	2580.09	587.88	5023.17
Hempstead Lake	6377.71*	Max WS	36.45	36.45	0.00	0.00		323.21	2564.61	595.23	5015.68
Hempstead Lake	6364.06*	Max WS	36.45	36.45	0.00	0.00		333.08	2546.42	603.08	5006.55
Hempstead Lake	6350.41*	Max WS	36.45	36.45	0.00	0.00		343.02	2540.35	598.71	4996.04
Hempstead Lake	6336.76*	Max WS	36.45	36.45	0.00	0.00		352.08	2524.00	605.50	4984.36
Hempstead Lake	6323.11*	Max WS	36.45	36.45	0.00	0.00		359.55	2507.68	613.86	4972.40
Hempstead Lake	6309.45*	Max WS	36.45	36.45	0.00	0.00		369.64	2490.59	620.38	4961.32
Hempstead Lake	6295.80*	Max WS	36.45	36.45	0.00	0.00		385.17	2463.58	626.05	4947.72
Hempstead Lake	6282.15*	Max WS	36.45	36.45	0.00	0.00		482.86	2991.83	4.94	3661.37
Hempstead Lake	6268.507	Max WS	36.45	36.45	0.00	0.00		501.90	2973.28	3.95	3655.32
Hempstead Lake	6259.72*	Max WS	36.45	36.45	0.00	0.00		335.22	2595.08	548.52	4583.00
Hempstead Lake	6250.93*	Max WS	36.45	36.45	0.00	0.00		280.69	2807.13	386.97	4252.11
Hempstead Lake	6242.14*	Max WS	36.45	36.45	0.00	0.00		226.99	2983.47	266.90	3919.09
Hempstead Lake	6233.35*	Max WS	36.45	36.45	0.00	0.00		179.65	3122.48	172.65	3586.19
Hempstead Lake	6224.57*	Max WS	36.45	36.45	0.00	0.00		137.64	3231.69	105.45	3253.20
Hempstead Lake	6215.78*	Max WS	36.45	36.45	0.00	0.00		100.75	3313.50	60.52	2920.10
Hempstead Lake	6206.99*	Max WS	36.45	36.45	0.00	0.00		69.97	3374.70	30.68	2667.37
Hempstead Lake	6198.21*	Max WS	36.45	36.45	0.00	0.00		45.26	3416.21	13.65	2291.97
Hempstead Lake	6189.42*	Max WS	36.45	36.45	0.00	0.00		24.93	3445.30	4.53	1916.58
Hempstead Lake	6180.638	Max WS	36.45	36.45	0.00	0.00		11.07	3462.97	0.71	1541.19
Hempstead Lake	6177.638	Max WS	36.45	36.45	0.00			14.75	3459.09	0.90	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	23.00	22.86	0.14	0.15			3464.46		378.73
Hempstead Lake	5930.638	Max WS	22.82	22.75	0.07	0.09			3462.33		436.85
Hempstead Lake	5880.638	Max WS	22.73	22.65	0.07	0.09			3462.24		370.04
Hempstead Lake	5830.638	Max WS	22.64	22.57	0.07	0.10			3461.99		387.51
Hempstead Lake	5780.638	Max WS	22.54	22.45	0.09	0.14			3460.30		400.37
Hempstead Lake	5730.638	Max WS	22.39	22.31	0.08	0.13			3226.35	232.22	513.47
Hempstead Lake	5680.638	Max WS	22.26	22.20	0.06	0.10			2640.24	816.63	537.41
Hempstead Lake	5630.638	Max WS	22.17	22.11	0.06	0.10			2248.77	1207.95	644.04
Hempstead Lake	5580.638	Max WS	22.07	22.02	0.05	0.11		13.64	2352.59	1089.09	782.47
Hempstead Lake	5530.638	Max WS	21.96	21.91	0.05	0.17		35.40	2466.20	953.58	876.24
Hempstead Lake	5480.638	Max WS	21.78	21.71	0.07	0.30		14.20	2505.39	935.23	932.09
Hempstead Lake	5430.638	Max WS	21.46	21.36	0.10	0.21		4.67	2625.07	824.53	826.31
Hempstead Lake	5380.638	Max WS	21.20	21.05	0.15	0.29		3.11	3122.95	327.85	835.65
Hempstead Lake	5330.638	Max WS	20.48	20.27	0.21	0.62		0.17	2843.27	610.29	735.31
Hempstead Lake	5307.48*	Max WS	19.87	19.58	0.29	0.46			3309.44	144.10	597.70
Hempstead Lake	5284.32*	Max WS	19.38	19.15	0.23	0.22			3431.65	20.78	536.52
Hempstead Lake	5261.17*	Max WS	19.12	18.99	0.14	0.10			3444.79	3.61	526.61
Hempstead Lake	5238.01*	Max WS	19.01	18.93	0.08	0.05		0.26	3442.92	0.95	530.57
Hempstead Lake	5214.85*	Max WS	18.96	18.90	0.06	0.03		1.95	3433.46	0.35	532.24
Hempstead Lake	5191.70*	Max WS	18.93	18.89	0.04	0.02		4.54	3427.84	0.14	535.78
Hempstead Lake	5168.54*	Max WS	18.91	18.88	0.03	0.01		7.70	3424.75	0.05	536.20
Hempstead Lake	5145.39*	Max WS	18.90	18.88	0.02	0.01		11.35	3417.76	0.01	528.16
Hempstead Lake	5122.23*	Max WS	18.90	18.88	0.02	0.00		15.46	3413.64	0.00	521.52
Hempstead Lake	5099.07*	Max WS	18.89	18.88	0.02	0.00		20.35	3405.26	0.00	511.69
Hempstead Lake	5075.922	Max WS	18.89	18.88	0.01	0.00		10.59	3415.01		507.63
Hempstead Lake	5055.96*	Max WS	18.89	18.88	0.01	0.00		18.21	3407.38		692.76
Hempstead Lake	5036.01*	Max WS	18.89	18.88	0.01	0.00		11.49	3414.10		756.05
Hempstead Lake	5016.05*	Max WS	18.89	18.88	0.01	0.00		6.78	3418.79		786.90
Hempstead Lake	4996.10*	Max WS	18.89	18.88	0.01	0.00		3.51	3422.04		807.16
Hempstead Lake	4976.14*	Max WS	18.88	18.88	0.01	0.00		1.57	3423.96	0.00	857.24
Hempstead Lake	4956.192	Max WS	18.88	18.88	0.01	0.00		0.19	3425.32	0.00	877.65
Hempstead Lake	4936.44*	Max WS	18.88	18.88	0.00	0.00		1.63	3423.62	0.24	964.38
Hempstead Lake	4916.69*	Max WS	18.88	18.88	0.00	0.00		3.48	3420.53	1.46	967.18
Hempstead Lake	4896.94*	Max WS	18.88	18.88	0.00	0.00		6.04	3415.79	3.63	967.72
Hempstead Lake	4877.19*	Max WS	18.88	18.88	0.00	0.00		9.05	3409.74	6.63	968.20
Hempstead Lake	4857.44*	Max WS	18.88	18.88	0.00	0.00		13.04	3401.90	10.47	968.09
Hempstead Lake	4837.697	Max WS	18.88	18.88	0.00	0.00		6.89	3405.74	12.75	967.96
Hempstead Lake	4817.64*	Max WS	18.88	18.88	0.00	0.00		23.12	3542.83	12.71	969.55
Hempstead Lake	4797.59*	Max WS	18.88	18.88	0.00	0.00		28.92	3539.58	10.12	968.17
Hempstead Lake	4777.53*	Max WS	18.88	18.88	0.00	0.00		35.32	3535.30	7.97	965.79

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	18.88	18.88	0.00	0.00		42.50	3529.66	6.38	957.02
Hempstead Lake	4737.42*	Max WS	18.88	18.88	0.00	0.00		49.92	3520.08	5.06	949.13
Hempstead Lake	4717.37*	Max WS	18.88	18.88	0.00	0.00		57.84	3513.23	3.98	943.03
Hempstead Lake	4697.32*	Max WS	18.88	18.88	0.00	0.00		66.18	3505.81	3.06	937.60
Hempstead Lake	4677.26*	Max WS	18.88	18.88	0.00	0.00		76.02	3496.57	2.44	933.81
Hempstead Lake	4657.21*	Max WS	18.88	18.88	0.00	0.00		85.71	3487.36	1.95	930.25
Hempstead Lake	4637.16*	Max WS	18.88	18.88	0.00	0.00		95.16	3478.32	1.52	926.79
Hempstead Lake	4617.10*	Max WS	18.88	18.88	0.00	0.00		104.78	3469.04	1.17	923.26
Hempstead Lake	4597.05*	Max WS	18.88	18.88	0.00	0.00		114.55	3459.54	0.89	919.75
Hempstead Lake	4577.*	Max WS	18.88	18.88	0.00	0.00		126.09	3448.21	0.66	916.47
Hempstead Lake	4556.94*	Max WS	18.88	18.88	0.00	0.00		136.60	3437.86	0.47	913.05
Hempstead Lake	4536.893	Max WS	18.88	18.88	0.00	0.00		84.41	3490.36	0.13	909.68
Hempstead Lake	4516.70*	Max WS	18.88	18.88	0.00	0.00		161.28	3418.05	0.76	910.36
Hempstead Lake	4496.51*	Max WS	18.88	18.88	0.00	0.00		162.30	3416.36	1.39	910.59
Hempstead Lake	4476.32*	Max WS	18.88	18.87	0.00	0.00		159.56	3418.21	2.25	910.56
Hempstead Lake	4456.14*	Max WS	18.88	18.87	0.00	0.00		160.39	3416.28	3.32	910.06
Hempstead Lake	4435.95*	Max WS	18.88	18.87	0.00	0.00		161.36	3413.97	4.63	909.56
Hempstead Lake	4415.76*	Max WS	18.88	18.87	0.00	0.00		158.23	3415.56	6.13	908.57
Hempstead Lake	4395.57*	Max WS	18.88	18.87	0.00	0.00		159.06	3410.03	7.86	907.42
Hempstead Lake	4375.38*	Max WS	18.88	18.87	0.00	0.00		155.96	3414.08	9.79	906.03
Hempstead Lake	4355.20*	Max WS	18.88	18.87	0.00	0.00		156.77	3408.29	11.89	904.20
Hempstead Lake	4335.01*	Max WS	18.88	18.87	0.00	0.00		157.65	3405.13	14.17	902.26
Hempstead Lake	4314.82*	Max WS	18.88	18.87	0.00	0.00		154.21	3406.15	16.59	899.87
Hempstead Lake	4294.63*	Max WS	18.87	18.87	0.00	0.00		155.22	3402.51	19.20	897.31
Hempstead Lake	4274.44*	Max WS	18.87	18.87	0.00	0.00		152.04	3402.94	21.94	894.61
Hempstead Lake	4254.26*	Max WS	18.87	18.87	0.00	0.00		154.00	3398.15	24.76	892.73
Hempstead Lake	4234.07*	Max WS	18.87	18.87	0.00	0.00		156.19	3393.02	27.68	890.78
Hempstead Lake	4213.88*	Max WS	18.87	18.87	0.00	0.00		153.64	3392.52	30.72	888.89
Hempstead Lake	4193.69*	Max WS	18.87	18.87	0.00	0.00		155.86	3387.21	33.81	886.84
Hempstead Lake	4173.50*	Max WS	18.87	18.87	0.00	0.00		153.26	3386.50	37.10	885.15
Hempstead Lake	4153.320	Max WS	18.87	18.87	0.00	0.00		63.84	3471.12	41.88	887.01
Hempstead Lake	4131.85*	Max WS	18.87	18.87	0.00	0.00		138.30	3401.06	43.26	884.00
Hempstead Lake	4110.38*	Max WS	18.87	18.87	0.00	0.00		129.84	3407.07	45.70	882.37
Hempstead Lake	4088.91*	Max WS	18.87	18.87	0.00	0.00		125.11	3409.40	48.07	881.09
Hempstead Lake	4067.44*	Max WS	18.87	18.87	0.00	0.00		115.99	3415.98	50.59	880.26
Hempstead Lake	4045.97*	Max WS	18.87	18.87	0.00	0.00		106.62	3422.81	53.10	879.79
Hempstead Lake	4024.50*	Max WS	18.87	18.87	0.00	0.00		100.35	3426.52	55.63	880.45
Hempstead Lake	4003.034	Max WS	18.87	18.87	0.00	0.00		36.70	3487.85	57.93	882.77
Hempstead Lake	3984.01*	Max WS	18.87	18.87	0.00	0.00		73.26	3458.51	50.68	865.45
Hempstead Lake	3964.99*	Max WS	18.87	18.87	0.00	0.00		71.74	3465.19	45.50	851.67
Hempstead Lake	3945.97*	Max WS	18.87	18.87	0.00	0.00		68.08	3473.84	40.46	841.55
Hempstead Lake	3926.95*	Max WS	18.87	18.87	0.00	0.00		65.68	3481.04	35.64	829.85
Hempstead Lake	3907.93*	Max WS	18.87	18.87	0.01	0.00		60.50	3488.04	31.63	814.30
Hempstead Lake	3888.916	Max WS	18.87	18.86	0.01	0.00		23.42	3530.84	25.90	795.56
Hempstead Lake	3883.916	Max WS	18.87	18.86	0.01			18.48	3542.85	25.12	789.38
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	18.82	18.81	0.01	0.00		1.49	3566.53	8.59	784.88
Hempstead Lake	3858.916	Max WS	18.82	18.81	0.01	0.00		1.87	3566.46	8.29	784.17
Hempstead Lake	3826.579	Max WS	18.82	18.80	0.02	0.00		4.71	3567.39	1.85	770.89
Hempstead Lake	3821.579	Max WS	18.82	18.80	0.02			5.34	3568.00	0.60	769.19
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	18.80	18.78	0.02	0.00		51.00	3520.05	0.21	807.37
Hempstead Lake	3736.579	Max WS	18.80	18.78	0.02	0.00		30.25	3543.68	0.00	773.83
Hempstead Lake	3699.46*	Max WS	18.80	18.78	0.02	0.00		33.53	3539.49	0.87	817.87
Hempstead Lake	3662.35*	Max WS	18.80	18.78	0.01	0.00		35.80	3525.61	12.42	879.14
Hempstead Lake	3625.24*	Max WS	18.79	18.78	0.01	0.00		37.09	3494.08	40.08	910.72
Hempstead Lake	3588.13*	Max WS	18.79	18.78	0.01	0.00		39.43	3445.32	86.49	941.34
Hempstead Lake	3551.028	Max WS	18.79	18.78	0.01	0.00		36.39	3401.77	133.06	971.43
Hempstead Lake	3531.67*	Max WS	18.79	18.78	0.01	0.00		43.80	3396.50	130.92	956.32
Hempstead Lake	3512.33*	Max WS	18.79	18.78	0.01	0.00		42.09	3430.88	98.25	939.92
Hempstead Lake	3492.98*	Max WS	18.79	18.78	0.01	0.00		40.08	3463.65	67.46	928.29
Hempstead Lake	3473.63*	Max WS	18.79	18.77	0.01	0.00		38.13	3491.69	41.36	912.66
Hempstead Lake	3454.28*	Max WS	18.79	18.77	0.01	0.00		35.97	3513.68	21.50	891.83
Hempstead Lake	3434.93*	Max WS	18.79	18.77	0.02	0.00		33.18	3530.15	7.81	867.74
Hempstead Lake	3415.58*	Max WS	18.78	18.77	0.02	0.00		30.75	3535.28	5.07	727.99
Hempstead Lake	3396.239	Max WS	18.78	18.77	0.02	0.00		33.57	3529.07	6.25	699.74
Hempstead Lake	3376.88*	Max WS	18.78	18.77	0.02	0.00		31.42	3531.15	6.31	707.61
Hempstead Lake	3357.52*	Max WS	18.78	18.76	0.02	0.00		34.82	3526.48	7.58	712.18
Hempstead Lake	3338.16*	Max WS	18.78	18.76	0.02	0.00		38.64	3521.19	9.05	716.02
Hempstead Lake	3318.80*	Max WS	18.78	18.76	0.02	0.00		42.91	3515.37	10.58	719.26
Hempstead Lake	3299.44*	Max WS	18.78	18.76	0.02	0.00		47.59	3508.83	12.42	721.47
Hempstead Lake	3280.08*	Max WS	18.78	18.76	0.02	0.00		52.63	3501.81	14.39	723.46

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	18.78	18.76	0.02	0.00		58.22	3494.04	16.56	724.43
Hempstead Lake	3241.37*	Max WS	18.78	18.76	0.02	0.00		63.30	3486.94	18.57	725.41
Hempstead Lake	3222.01*	Max WS	18.77	18.76	0.02	0.00		69.75	3477.93	21.10	725.95
Hempstead Lake	3202.65*	Max WS	18.77	18.75	0.02	0.00		76.89	3468.09	23.78	725.81
Hempstead Lake	3183.29*	Max WS	18.77	18.75	0.02	0.00		84.60	3457.42	26.71	725.35
Hempstead Lake	3163.93*	Max WS	18.77	18.75	0.02	0.00		92.76	3444.38	29.67	724.44
Hempstead Lake	3144.581	Max WS	18.77	18.75	0.02	0.00		91.74	3447.07	29.87	723.53
Hempstead Lake	3124.73*	Max WS	18.77	18.75	0.02	0.00		89.51	3448.47	28.82	728.03
Hempstead Lake	3104.89*	Max WS	18.77	18.75	0.02	0.00		90.17	3447.94	28.69	732.51
Hempstead Lake	3085.04*	Max WS	18.77	18.75	0.02	0.00		91.29	3446.92	28.58	734.90
Hempstead Lake	3065.2*	Max WS	18.76	18.75	0.02	0.00		93.03	3445.36	28.39	736.43
Hempstead Lake	3045.35*	Max WS	18.76	18.75	0.02	0.00		92.86	3446.28	27.63	737.65
Hempstead Lake	3025.51*	Max WS	18.76	18.74	0.02	0.00		94.78	3444.61	27.38	738.54
Hempstead Lake	3005.66*	Max WS	18.76	18.74	0.02	0.00		96.60	3442.84	27.32	739.32
Hempstead Lake	2985.81*	Max WS	18.76	18.74	0.02	0.00		96.50	3443.70	26.54	739.83
Hempstead Lake	2965.974	Max WS	18.76	18.74	0.02	0.00		102.07	3436.63	28.03	749.55
Hempstead Lake	2951.87*	Max WS	18.76	18.74	0.02	0.00		110.16	3426.83	29.74	755.79
Hempstead Lake	2937.77*	Max WS	18.76	18.74	0.02	0.00		109.50	3428.17	29.03	761.41
Hempstead Lake	2923.67*	Max WS	18.76	18.74	0.02	0.00		109.08	3429.21	28.41	768.17
Hempstead Lake	2909.57*	Max WS	18.76	18.74	0.02	0.00		108.19	3430.80	27.70	775.26
Hempstead Lake	2895.47*	Max WS	18.76	18.74	0.02	0.00		107.95	3431.67	27.06	780.38
Hempstead Lake	2881.37*	Max WS	18.75	18.74	0.02	0.00		107.87	3432.41	26.38	784.70
Hempstead Lake	2867.27*	Max WS	18.75	18.74	0.02	0.00		107.86	3433.09	25.70	789.69
Hempstead Lake	2853.17*	Max WS	18.75	18.74	0.02	0.00		107.87	3433.76	25.00	794.26
Hempstead Lake	2839.07*	Max WS	18.75	18.74	0.02	0.00		108.06	3434.24	24.32	798.65
Hempstead Lake	2824.98*	Max WS	18.75	18.74	0.01	0.00		108.22	3434.71	23.66	802.44
Hempstead Lake	2810.88*	Max WS	18.75	18.74	0.01	0.00		108.24	3435.37	22.97	807.50
Hempstead Lake	2796.78*	Max WS	18.75	18.74	0.01	0.00		108.59	3435.61	22.37	811.76
Hempstead Lake	2782.68*	Max WS	18.75	18.74	0.01	0.00		108.30	3436.62	21.62	816.56
Hempstead Lake	2768.58*	Max WS	18.75	18.74	0.01	0.00		108.43	3437.13	20.97	821.56
Hempstead Lake	2754.48*	Max WS	18.75	18.73	0.01	0.00		108.27	3437.99	20.25	827.04
Hempstead Lake	2740.38*	Max WS	18.75	18.73	0.01	0.00		108.37	3438.49	19.63	831.99
Hempstead Lake	2726.28*	Max WS	18.75	18.73	0.01	0.00		107.51	3439.98	18.98	842.07
Hempstead Lake	2712.18*	Max WS	18.75	18.73	0.01	0.00		106.62	3441.49	18.33	852.48
Hempstead Lake	2698.08*	Max WS	18.75	18.73	0.01	0.00		105.03	3443.99	17.40	869.08
Hempstead Lake	2683.98*	Max WS	18.74	18.73	0.01	0.00		103.39	3446.42	16.58	888.60
Hempstead Lake	2669.88*	Max WS	18.74	18.73	0.01	0.00		102.40	3448.03	15.95	906.39
Hempstead Lake	2655.78*	Max WS	18.74	18.73	0.01	0.00		103.55	3447.42	15.38	915.82
Hempstead Lake	2641.68*	Max WS	18.74	18.73	0.01	0.00		104.57	3446.96	14.80	924.10
Hempstead Lake	2627.58*	Max WS	18.74	18.73	0.01	0.00		106.06	3445.95	14.28	928.93
Hempstead Lake	2613.48*	Max WS	18.74	18.73	0.01	0.00		107.86	3444.57	13.83	931.24
Hempstead Lake	2599.38*	Max WS	18.74	18.73	0.01	0.00		109.52	3443.37	13.34	932.66
Hempstead Lake	2585.29*	Max WS	18.74	18.73	0.01	0.00		111.73	3441.53	12.95	932.84
Hempstead Lake	2571.19*	Max WS	18.74	18.73	0.01	0.00		113.38	3440.33	12.47	931.95
Hempstead Lake	2557.091	Max WS	18.74	18.73	0.01	0.00		179.29	3368.29	18.56	930.93
Hempstead Lake	2552.091	Max WS	18.74	18.72	0.02			194.98	3340.47	29.82	932.38
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	18.73	18.71	0.02	0.00		247.63	3305.91	11.73	932.24
Hempstead Lake	2487.091	Max WS	18.72	18.72	0.01	0.00		180.54	3378.43	6.29	931.90
Hempstead Lake	2477.12*	Max WS	18.72	18.71	0.01	0.00		128.14	3429.56	7.55	939.18
Hempstead Lake	2467.14*	Max WS	18.72	18.71	0.01	0.00		140.32	3412.31	12.61	951.86
Hempstead Lake	2457.17*	Max WS	18.72	18.71	0.01	0.00		152.71	3392.27	20.24	959.18
Hempstead Lake	2447.20*	Max WS	18.72	18.71	0.01	0.00		165.78	3368.87	30.57	964.74
Hempstead Lake	2437.23*	Max WS	18.72	18.71	0.01	0.00		231.19	3277.91	56.10	969.21
Hempstead Lake	2427.26*	Max WS	18.72	18.71	0.01	0.00		245.48	3244.09	75.61	974.06
Hempstead Lake	2417.29*	Max WS	18.72	18.71	0.01	0.00		259.72	3207.10	98.35	978.36
Hempstead Lake	2407.32*	Max WS	18.72	18.71	0.01	0.00		222.16	3242.23	100.76	982.07
Hempstead Lake	2397.35*	Max WS	18.72	18.71	0.01	0.00		237.36	3201.20	126.57	985.02
Hempstead Lake	2387.37*	Max WS	18.72	18.71	0.01	0.00		252.07	3157.25	155.80	988.63
Hempstead Lake	2377.40*	Max WS	18.72	18.71	0.01	0.00		267.19	3109.42	188.49	991.85
Hempstead Lake	2367.43*	Max WS	18.72	18.71	0.01	0.00		283.65	3056.05	225.39	994.09
Hempstead Lake	2357.46*	Max WS	18.72	18.71	0.01	0.00		298.81	3000.87	265.40	1010.76
Hempstead Lake	2347.49*	Max WS	18.72	18.71	0.01	0.00		313.79	2942.43	308.83	1028.09
Hempstead Lake	2337.52*	Max WS	18.72	18.71	0.01	0.00		329.85	2884.04	351.14	1050.99
Hempstead Lake	2327.55*	Max WS	18.72	18.71	0.01	0.00		346.23	2828.15	390.64	1082.51
Hempstead Lake	2317.58*	Max WS	18.72	18.71	0.01	0.00		362.17	2767.62	435.21	1110.94
Hempstead Lake	2307.60*	Max WS	18.72	18.71	0.01	0.00		377.57	2697.15	490.26	1130.52
Hempstead Lake	2297.63*	Max WS	18.72	18.71	0.01	0.00		393.04	2624.24	547.67	1147.72
Hempstead Lake	2287.66*	Max WS	18.72	18.71	0.01	0.00		414.85	2595.06	555.02	1156.29
Hempstead Lake	2277.69*	Max WS	18.72	18.71	0.01	0.00		429.46	2517.52	617.93	1164.17
Hempstead Lake	2267.72*	Max WS	18.72	18.71	0.01	0.00		444.19	2437.01	683.69	1171.26
Hempstead Lake	2257.752	Max WS	18.72	18.71	0.01	0.00		580.82	2030.73	953.31	1179.41

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

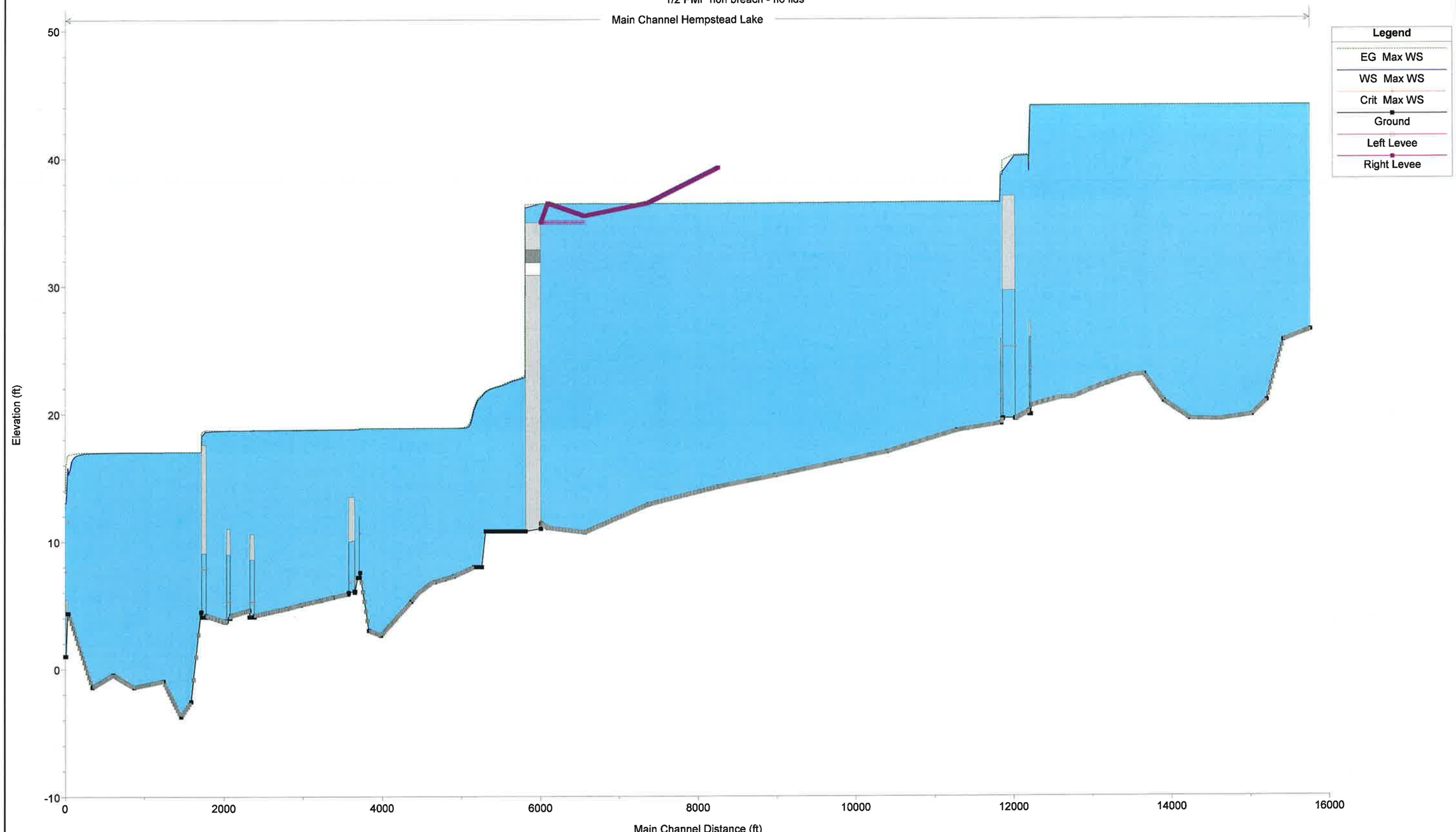
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	18.72	18.71	0.01	0.00		595.38	2061.45	908.02	1165.13
Hempstead Lake	2247.752	Max WS	18.71	18.71	0.01			725.62	1808.23	1030.98	1151.32
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	18.71	18.69	0.02	0.00		510.53	1921.34	1132.67	913.76
Hempstead Lake	2192.75*	Max WS	18.71	18.69	0.02	0.00		660.04	1977.71	926.79	910.56
Hempstead Lake	2187.752	Max WS	18.71	18.69	0.02	0.00		809.67	1970.95	783.91	907.28
Hempstead Lake	2178.63*	Max WS	18.71	18.69	0.02	0.00		789.44	2003.56	771.53	904.76
Hempstead Lake	2169.52*	Max WS	18.71	18.69	0.02	0.00		768.89	2036.48	759.15	902.60
Hempstead Lake	2160.40*	Max WS	18.71	18.69	0.02	0.00		748.28	2070.06	746.18	900.31
Hempstead Lake	2151.29*	Max WS	18.71	18.68	0.02	0.00		727.69	2104.23	732.59	898.00
Hempstead Lake	2142.17*	Max WS	18.71	18.68	0.02	0.00		706.28	2140.21	718.02	895.92
Hempstead Lake	2133.05*	Max WS	18.71	18.68	0.03	0.00		684.17	2176.44	703.90	893.93
Hempstead Lake	2123.94*	Max WS	18.71	18.68	0.03	0.00		662.28	2213.29	688.92	891.90
Hempstead Lake	2114.82*	Max WS	18.71	18.68	0.03	0.00		639.58	2251.12	673.79	890.01
Hempstead Lake	2105.71*	Max WS	18.71	18.68	0.03	0.00		616.81	2289.97	657.70	888.31
Hempstead Lake	2096.59*	Max WS	18.71	18.68	0.04	0.00		593.67	2329.45	641.37	887.02
Hempstead Lake	2087.48*	Max WS	18.71	18.67	0.04	0.00		572.61	2381.20	610.65	903.87
Hempstead Lake	2078.36*	Max WS	18.71	18.67	0.04	0.00		549.89	2427.08	587.50	912.80
Hempstead Lake	2069.25*	Max WS	18.71	18.67	0.04	0.00		525.57	2472.43	566.46	919.84
Hempstead Lake	2060.13*	Max WS	18.72	18.67	0.05	0.00		501.12	2518.23	545.10	928.75
Hempstead Lake	2051.01*	Max WS	18.72	18.66	0.05	0.00		477.99	2574.80	511.66	962.05
Hempstead Lake	2041.90*	Max WS	18.72	18.66	0.06	0.00		451.81	2617.12	495.50	969.41
Hempstead Lake	2032.78*	Max WS	18.72	18.66	0.06	0.00		425.26	2656.68	482.49	971.30
Hempstead Lake	2023.67*	Max WS	18.72	18.66	0.07	0.00		398.49	2696.53	469.41	971.90
Hempstead Lake	2014.55*	Max WS	18.72	18.65	0.07	0.00		371.28	2736.11	457.02	972.58
Hempstead Lake	2005.44*	Max WS	18.72	18.65	0.08	0.00		343.09	2775.69	445.63	972.43
Hempstead Lake	1996.32*	Max WS	18.73	18.64	0.08	0.00		315.42	2814.86	434.12	971.92
Hempstead Lake	1987.20*	Max WS	18.73	18.64	0.09	0.00		287.53	2854.48	422.38	971.72
Hempstead Lake	1978.09*	Max WS	18.73	18.63	0.09	0.00		259.89	2893.97	410.54	970.60
Hempstead Lake	1968.97*	Max WS	18.73	18.63	0.10	0.00		232.09	2932.05	400.25	967.54
Hempstead Lake	1959.86*	Max WS	18.73	18.62	0.11	0.00		205.33	2969.72	389.33	961.18
Hempstead Lake	1950.747	Max WS	18.74	18.62	0.12	0.00		180.26	3004.69	379.42	949.03
Hempstead Lake	1945.747	Max WS	18.73	18.64	0.09			238.75	1978.17	1347.44	1026.47
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	17.03	17.03	0.00	0.00		1.32	342.43	764.78	990.62
Hempstead Lake	1880.747	Max WS	17.03	17.03	0.00	0.00		0.35	673.04	235.13	1010.08
Hempstead Lake	1848.83*	Max WS	17.03	17.03	0.00	0.00		5.35	1032.40	75.95	1104.68
Hempstead Lake	1816.92*	Max WS	17.03	17.03	0.00	0.00		10.31	1070.81	32.56	1176.06
Hempstead Lake	1785.01*	Max WS	17.03	17.03	0.00	0.00		16.14	1077.98	19.55	1153.25
Hempstead Lake	1753.104	Max WS	17.03	17.03	0.00	0.00		9.18	1099.21	5.26	1232.09
Hempstead Lake	1732.65*	Max WS	17.03	17.03	0.00	0.00		24.48	1067.59	21.57	1291.20
Hempstead Lake	1712.21*	Max WS	17.03	17.03	0.00	0.00		25.83	1057.56	30.22	1325.90
Hempstead Lake	1691.76*	Max WS	17.03	17.03	0.00	0.00		27.21	1045.56	40.83	1358.39
Hempstead Lake	1671.32*	Max WS	17.03	17.03	0.00	0.00		28.60	1031.73	53.25	1392.48
Hempstead Lake	1650.87*	Max WS	17.03	17.03	0.00	0.00		29.92	1015.88	67.76	1422.84
Hempstead Lake	1630.434	Max WS	17.03	17.03	0.00	0.00		14.85	1034.15	64.54	1449.80
Hempstead Lake	1610.36*	Max WS	17.03	17.03	0.00	0.00		31.19	1003.75	78.57	1439.19
Hempstead Lake	1590.30*	Max WS	17.03	17.03	0.00	0.00		26.89	1013.35	73.25	1427.38
Hempstead Lake	1570.23*	Max WS	17.03	17.03	0.00	0.00		22.80	1022.72	67.94	1414.11
Hempstead Lake	1550.17*	Max WS	17.03	17.03	0.00	0.00		18.39	1032.35	62.70	1399.33
Hempstead Lake	1530.10*	Max WS	17.03	17.03	0.00	0.00		14.86	1041.03	57.53	1381.92
Hempstead Lake	1510.03*	Max WS	17.03	17.03	0.00	0.00		11.40	1050.38	51.61	1361.24
Hempstead Lake	1489.97*	Max WS	17.03	17.03	0.00	0.00		8.52	1058.21	46.64	1342.51
Hempstead Lake	1469.90*	Max WS	17.03	17.03	0.00	0.00		6.01	1065.67	41.66	1324.77
Hempstead Lake	1449.83*	Max WS	17.03	17.03	0.00	0.00		3.90	1072.60	36.81	1306.46
Hempstead Lake	1429.77*	Max WS	17.03	17.03	0.00	0.00		2.15	1079.01	32.12	1285.96
Hempstead Lake	1409.707	Max WS	17.03	17.03	0.00	0.00		0.48	1074.94	37.83	1190.02
Hempstead Lake	1389.03*	Max WS	17.01	17.00	0.01	0.00		3.39	11121.61	274.52	1279.82
Hempstead Lake	1368.35*	Max WS	17.01	17.00	0.01	0.00		5.41	11117.25	276.88	1282.31
Hempstead Lake	1347.67*	Max WS	17.01	17.00	0.01	0.00		7.89	11112.32	279.31	1274.82
Hempstead Lake	1326.99*	Max WS	17.01	17.00	0.01	0.00		10.75	11106.79	281.98	1265.08
Hempstead Lake	1306.32*	Max WS	17.01	17.00	0.01	0.00		14.39	11090.22	294.90	1254.09
Hempstead Lake	1285.64*	Max WS	17.01	17.00	0.01	0.00		17.91	11082.79	298.80	1242.89
Hempstead Lake	1264.96*	Max WS	17.01	17.00	0.01	0.00		21.65	11075.02	302.82	1231.51
Hempstead Lake	1244.28*	Max WS	17.01	17.00	0.02	0.00		25.70	11066.56	307.22	1220.02
Hempstead Lake	1223.61*	Max WS	17.01	17.00	0.02	0.00		29.85	11057.22	312.40	1207.88
Hempstead Lake	1202.93*	Max WS	17.01	17.00	0.02	0.00		34.27	11046.87	318.32	1194.96
Hempstead Lake	1182.25*	Max WS	17.01	17.00	0.02	0.00		38.80	11035.83	324.82	1181.52
Hempstead Lake	1161.57*	Max WS	17.01	17.00	0.02	0.00		43.48	11023.65	332.31	1167.52
Hempstead Lake	1140.90*	Max WS	17.01	17.00	0.02	0.00		48.26	11010.64	340.53	1152.79
Hempstead Lake	1120.22*	Max WS	17.01	17.00	0.02	0.00		54.93	10983.35	361.15	1137.25
Hempstead Lake	1099.54*	Max WS	17.01	17.00	0.02	0.00		60.02	10968.78	370.61	1124.17

HEC-RAS Plan: Plan 25 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	17.01	17.00	0.02	0.00		65.24	10955.90	378.27	1116.10
Hempstead Lake	1058.19*	Max WS	17.01	17.00	0.02	0.00		70.66	10943.12	385.60	1108.20
Hempstead Lake	1037.515	Max WS	17.01	17.00	0.01	0.00		69.79	10629.06	700.52	1100.46
Hempstead Lake	1017.08*	Max WS	17.01	16.99	0.02	0.00		198.51	10869.74	420.32	1102.14
Hempstead Lake	996.645*	Max WS	17.01	16.99	0.02	0.00		241.90	10770.20	476.44	1099.25
Hempstead Lake	976.210*	Max WS	17.01	16.99	0.02	0.00		291.84	10675.79	520.89	1092.28
Hempstead Lake	955.775*	Max WS	17.01	16.99	0.02	0.00		347.29	10563.08	578.14	1084.51
Hempstead Lake	935.340*	Max WS	17.01	16.99	0.02	0.00		400.65	10463.41	624.42	1076.67
Hempstead Lake	914.905*	Max WS	17.01	16.99	0.01	0.00		467.02	10338.06	683.38	1068.76
Hempstead Lake	894.471*	Max WS	17.01	16.99	0.01	0.00		545.30	10215.42	727.72	1063.62
Hempstead Lake	874.036*	Max WS	17.01	16.99	0.01	0.00		625.82	10081.73	780.87	1065.30
Hempstead Lake	853.601*	Max WS	17.01	16.99	0.01	0.00		702.96	9963.10	822.33	1069.90
Hempstead Lake	833.166*	Max WS	17.00	16.99	0.01	0.00		797.28	9815.89	875.20	1077.22
Hempstead Lake	812.731*	Max WS	17.00	16.99	0.01	0.00		909.85	9657.38	921.11	1073.40
Hempstead Lake	792.296*	Max WS	17.00	16.99	0.01	0.00		1018.72	9487.59	981.99	1068.01
Hempstead Lake	771.862	Max WS	17.00	16.99	0.02	0.00		482.21	10032.18	973.87	1062.26
Hempstead Lake	750.331*	Max WS	17.00	16.99	0.02	0.00		981.94	9610.81	931.38	1069.93
Hempstead Lake	728.8*	Max WS	17.00	16.98	0.02	0.00		830.46	9851.26	842.37	1077.33
Hempstead Lake	707.269*	Max WS	17.00	16.98	0.02	0.00		697.17	10086.75	740.12	1084.59
Hempstead Lake	685.738*	Max WS	17.00	16.98	0.02	0.00		568.87	10315.80	639.33	1091.69
Hempstead Lake	664.207*	Max WS	17.00	16.98	0.02	0.00		449.53	10533.05	541.35	1098.89
Hempstead Lake	642.676*	Max WS	17.00	16.97	0.02	0.00		337.00	10729.76	457.14	1105.43
Hempstead Lake	621.145*	Max WS	16.99	16.97	0.02	0.00		241.57	10912.22	370.05	1111.34
Hempstead Lake	599.614*	Max WS	16.99	16.97	0.03	0.00		160.61	11072.09	291.07	1116.15
Hempstead Lake	578.083*	Max WS	16.99	16.97	0.03	0.00		94.80	11206.91	222.00	1119.53
Hempstead Lake	556.552*	Max WS	16.99	16.96	0.03	0.00		46.00	11309.05	168.61	1111.72
Hempstead Lake	535.021*	Max WS	16.99	16.96	0.03	0.00		14.24	11387.64	121.71	1043.88
Hempstead Lake	513.490	Max WS	16.99	16.96	0.03	0.00		0.91	11307.50	215.11	686.56
Hempstead Lake	493.038*	Max WS	16.99	16.96	0.03	0.00		1.16	11441.32	118.84	669.42
Hempstead Lake	472.587*	Max WS	16.99	16.95	0.04	0.00		1.10	11446.64	113.55	652.23
Hempstead Lake	452.136*	Max WS	16.99	16.94	0.05	0.00		1.00	11453.08	107.17	634.99
Hempstead Lake	431.685*	Max WS	16.98	16.93	0.05	0.00		0.91	11460.69	99.61	617.68
Hempstead Lake	411.234*	Max WS	16.98	16.92	0.06	0.00		0.78	11470.68	89.70	600.26
Hempstead Lake	390.783*	Max WS	16.98	16.90	0.08	0.00		0.64	11480.67	79.79	582.65
Hempstead Lake	370.332*	Max WS	16.97	16.88	0.09	0.01		0.49	11491.70	68.86	564.81
Hempstead Lake	349.881*	Max WS	16.97	16.85	0.12	0.01		0.31	11503.71	57.00	546.51
Hempstead Lake	329.430*	Max WS	16.96	16.81	0.15	0.01		0.15	11516.15	44.68	527.61
Hempstead Lake	308.979*	Max WS	16.95	16.75	0.19	0.02		0.03	11529.17	31.73	507.50
Hempstead Lake	288.528*	Max WS	16.93	16.67	0.26	0.02			11541.79	19.10	485.61
Hempstead Lake	268.077*	Max WS	16.91	16.54	0.37	0.04			11553.04	7.81	465.81
Hempstead Lake	247.626*	Max WS	16.87	16.29	0.58	0.05			11560.38	0.43	440.95
Hempstead Lake	227.175*	Max WS	16.87	15.64	1.23	0.06			11560.77		245.58
Hempstead Lake	206.724	Max WS	16.81	15.28	1.53	0.01			11560.74		147.24
Hempstead Lake	201.724	Max WS	16.79	15.80	1.00				11560.74		166.57
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	13.88	13.05	0.83	0.00		3685.43	7875.31		150.21
Hempstead Lake	166.724	Max WS	13.88	13.04	0.84			3685.18	7875.57		150.19

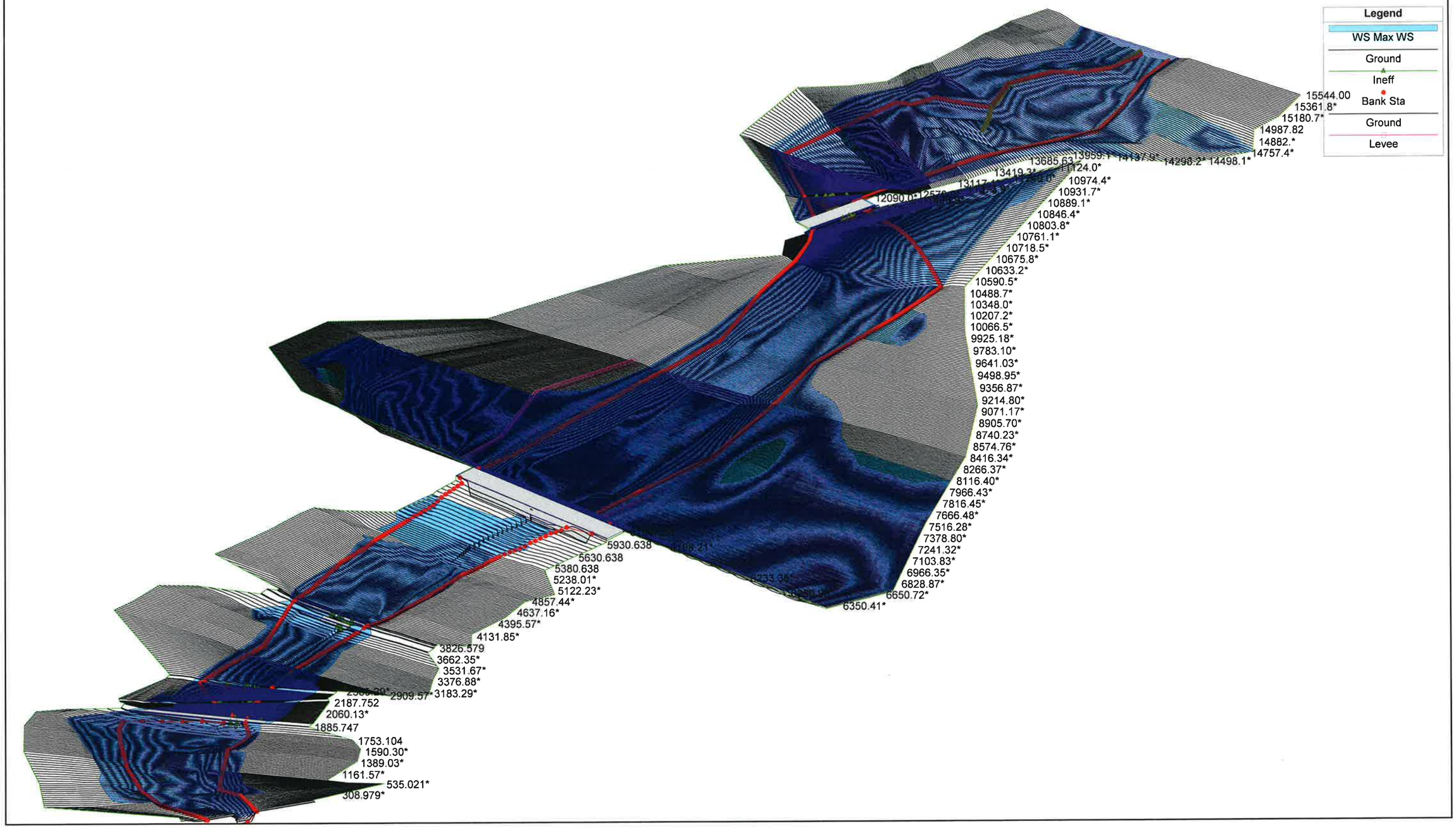
Hempstead Lake 8-24-15 Plan: Plan 27 8/26/2015

1/2 PMF non breach - no lids



Hempstead Lake 8-24-15 Plan: Plan 27 8/26/2015

1/2 PMF non breach - no lids



Existing Half PMF with Breach 8/26/15

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7449.86	26.48	44.09		44.10	0.000011	1.02	9110.42	926.34	0.05
Hempstead Lake	15523.7*	Max WS	7449.77	26.43	44.09		44.10	0.000058	0.96	9103.75	914.99	0.04
Hempstead Lake	15503.5*	Max WS	7449.68	26.38	44.08		44.10	0.000055	0.96	9097.77	906.51	0.04
Hempstead Lake	15483.3*	Max WS	7449.58	26.34	44.08		44.10	0.000050	0.97	9091.82	900.19	0.04
Hempstead Lake	15463.0*	Max WS	7449.46	26.29	44.08		44.09	0.000046	0.97	9085.47	895.46	0.04
Hempstead Lake	15442.8*	Max WS	7449.33	26.24	44.08		44.09	0.000043	0.97	9078.22	891.19	0.04
Hempstead Lake	15422.5*	Max WS	7449.20	26.19	44.08		44.09	0.000039	0.97	9071.72	884.19	0.04
Hempstead Lake	15402.3*	Max WS	7421.73	26.15	44.08		44.09	0.000035	0.97	9061.98	878.35	0.04
Hempstead Lake	15382.1*	Max WS	7421.72	26.10	44.08		44.09	0.000033	0.97	9051.93	873.64	0.04
Hempstead Lake	15361.8*	Max WS	7421.71	26.05	44.08		44.09	0.000029	0.97	9039.09	869.84	0.04
Hempstead Lake	15341.6*	Max WS	7421.69	26.00	44.08		44.09	0.000027	0.97	9024.33	866.83	0.04
Hempstead Lake	15321.4*	Max WS	7421.66	25.96	44.08		44.09	0.000024	0.98	9006.85	864.65	0.04
Hempstead Lake	15301.1*	Max WS	7421.63	25.91	44.08		44.09	0.000022	0.98	8985.97	863.77	0.04
Hempstead Lake	15280.9*	Max WS	7421.61	25.86	44.08		44.09	0.000020	0.99	8962.99	863.47	0.04
Hempstead Lake	15260.7*	Max WS	7421.57	25.81	44.08		44.09	0.000017	0.99	8935.71	863.49	0.05
Hempstead Lake	15240.4*	Max WS	7421.54	25.77	44.08		44.09	0.000015	1.00	8905.47	863.97	0.05
Hempstead Lake	15220.2*	Max WS	7421.50	25.72	44.08		44.09	0.000014	1.00	8871.35	859.14	0.05
Hempstead Lake	15200.02	Max WS	7421.46	25.67	44.08		44.09	0.000011	0.98	8839.25	819.92	0.05
Hempstead Lake	15180.7*	Max WS	7421.43	25.24	44.08		44.09	0.000012	0.93	9314.02	847.17	0.04
Hempstead Lake	15161.4*	Max WS	7421.40	24.82	44.08		44.09	0.000013	0.88	9803.14	868.03	0.04
Hempstead Lake	15142.1*	Max WS	7421.38	24.39	44.08		44.09	0.000014	0.83	10309.23	889.57	0.04
Hempstead Lake	15122.8*	Max WS	7421.36	23.96	44.08		44.09	0.000014	0.78	10829.35	909.01	0.03
Hempstead Lake	15103.5*	Max WS	7446.63	23.53	44.08		44.09	0.000014	0.74	11364.20	927.44	0.03
Hempstead Lake	15084.2*	Max WS	7446.48	23.11	44.08		44.09	0.000015	0.70	11914.49	945.39	0.03
Hempstead Lake	15064.9*	Max WS	7446.34	22.68	44.08		44.09	0.000015	0.67	12478.58	962.86	0.03
Hempstead Lake	15045.6*	Max WS	7446.19	22.25	44.08		44.09	0.000015	0.63	13056.82	979.88	0.03
Hempstead Lake	15026.4*	Max WS	7446.05	21.82	44.08		44.09	0.000015	0.60	13649.62	996.52	0.02
Hempstead Lake	15007.1*	Max WS	7445.90	21.40	44.08		44.09	0.000015	0.57	14254.63	1012.81	0.02
Hempstead Lake	14987.82	Max WS	7445.76	20.97	44.08		44.09	0.000003	0.57	14874.29	1028.77	0.02
Hempstead Lake	14966.6*	Max WS	7493.66	20.84	44.08		44.09	0.000014	0.54	15244.25	1052.34	0.02
Hempstead Lake	14945.4*	Max WS	7493.50	20.72	44.08		44.09	0.000013	0.53	15619.67	1076.62	0.02
Hempstead Lake	14924.3*	Max WS	7493.33	20.59	44.08		44.09	0.000012	0.51	16008.72	1131.21	0.02
Hempstead Lake	14903.1*	Max WS	7493.16	20.46	44.08		44.09	0.000012	0.50	16436.34	1316.58	0.02
Hempstead Lake	14882.*	Max WS	7492.95	20.34	44.08		44.09	0.000011	0.48	17034.45	1559.06	0.02
Hempstead Lake	14860.8*	Max WS	7492.71	20.21	44.08		44.09	0.000010	0.47	17754.30	1671.41	0.02
Hempstead Lake	14839.6*	Max WS	7492.46	20.08	44.08		44.09	0.000010	0.45	18525.42	1753.32	0.02
Hempstead Lake	14818.5*	Max WS	7492.18	19.96	44.08		44.09	0.000009	0.44	19353.80	1892.51	0.02
Hempstead Lake	14797.35	Max WS	7491.89	19.83	44.08		44.09	0.000002	0.46	20221.33	1941.20	0.02
Hempstead Lake	14777.4*	Max WS	7491.63	19.81	44.08		44.09	0.000007	0.42	20392.61	1958.75	0.02
Hempstead Lake	14757.4*	Max WS	7491.37	19.80	44.08		44.09	0.000007	0.42	20574.62	1946.11	0.02
Hempstead Lake	14737.5*	Max WS	7491.10	19.78	44.08		44.09	0.000006	0.41	20769.98	1923.84	0.02
Hempstead Lake	14717.5*	Max WS	7490.84	19.76	44.08		44.09	0.000006	0.41	20978.34	1910.19	0.02
Hempstead Lake	14697.6*	Max WS	7490.59	19.74	44.08		44.09	0.000005	0.40	21204.14	1879.09	0.02
Hempstead Lake	14677.6*	Max WS	7490.34	19.73	44.08		44.09	0.000005	0.39	21444.97	1878.21	0.02
Hempstead Lake	14657.7*	Max WS	7490.10	19.71	44.08		44.09	0.000004	0.39	21700.95	1877.70	0.01
Hempstead Lake	14637.7*	Max WS	7489.85	19.69	44.08		44.09	0.000004	0.38	21975.25	1875.52	0.01
Hempstead Lake	14617.8*	Max WS	7489.60	19.67	44.08		44.09	0.000003	0.38	22272.59	1878.33	0.01
Hempstead Lake	14597.8*	Max WS	7489.37	19.65	44.08		44.09	0.000003	0.37	22606.35	1900.59	0.01
Hempstead Lake	14577.9*	Max WS	7489.14	19.64	44.08		44.09	0.000003	0.37	22992.15	1797.89	0.01
Hempstead Lake	14557.9*	Max WS	7488.92	19.62	44.08		44.09	0.000002	0.36	23487.00	1747.42	0.01
Hempstead Lake	14538.0*	Max WS	7488.70	19.60	44.08		44.09	0.000002	0.36	24002.27	1768.33	0.01
Hempstead Lake	14518.0*	Max WS	7488.48	19.58	44.08		44.09	0.000002	0.35	24524.16	1785.33	0.01
Hempstead Lake	14498.1*	Max WS	7488.26	19.57	44.08		44.09	0.000002	0.35	25044.93	1799.63	0.01
Hempstead Lake	14478.1*	Max WS	7488.05	19.55	44.08		44.09	0.000001	0.34	25569.97	1817.37	0.01
Hempstead Lake	14458.2*	Max WS	7487.83	19.53	44.08		44.09	0.000001	0.34	26096.53	1832.13	0.01
Hempstead Lake	14438.2*	Max WS	7487.61	19.51	44.08		44.09	0.000001	0.33	26620.47	1841.14	0.01
Hempstead Lake	14418.3*	Max WS	7487.40	19.50	44.08		44.09	0.000001	0.33	27139.12	1848.82	0.01
Hempstead Lake	14398.37	Max WS	7487.19	19.48	44.08		44.09	0.000001	0.33	27657.91	1855.34	0.01
Hempstead Lake	14378.3*	Max WS	7486.99	19.48	44.08		44.09	0.000001	0.33	27357.69	1835.60	0.01
Hempstead Lake	14358.3*	Max WS	7486.78	19.49	44.08		44.09	0.000001	0.34	27053.61	1816.41	0.01
Hempstead Lake	14338.2*	Max WS	7486.58	19.49	44.08		44.09	0.000001	0.34	26755.73	1797.87	0.01
Hempstead Lake	14318.2*	Max WS	7486.38	19.49	44.08		44.09	0.000001	0.35	26456.87	1780.05	0.01
Hempstead Lake	14298.2*	Max WS	7486.18	19.49	44.08		44.09	0.000001	0.35	26159.25	1763.12	0.01
Hempstead Lake	14278.1*	Max WS	7485.98	19.50	44.08		44.09	0.000001	0.36	25866.23	1749.63	0.01
Hempstead Lake	14258.1*	Max WS	7485.79	19.50	44.08		44.09	0.000001	0.37	25595.72	1884.27	0.01
Hempstead Lake	14238.1*	Max WS	7485.58	19.50	44.08		44.09	0.000001	0.37	25395.89	1910.75	0.01
Hempstead Lake	14218.0*	Max WS	7485.37	19.50	44.08		44.09	0.000001	0.38	25218.36	1980.01	0.01
Hempstead Lake	14198.0*	Max WS	7485.17	19.51	44.08		44.09	0.000001	0.39	25065.15	1989.54	0.01
Hempstead Lake	14178.0*	Max WS	7484.96	19.51	44.08		44.09	0.000001	0.39	24902.34	1952.42	0.01
Hempstead Lake	14157.9*	Max WS	7484.76	19.51	44.08		44.09	0.000001	0.40	24730.76	1920.71	0.02
Hempstead Lake	14137.9*	Max WS	7484.56	19.51	44.08		44.09	0.000001	0.40	24551.08	1884.57	0.02
Hempstead Lake	14117.9*	Max WS	7484.38	19.52	44.08		44.09	0.000001	0.41	24357.69	1847.40	0.02
Hempstead Lake	14097.8*	Max WS	7484.20	19.52	44.08		44.09	0.000001	0.42	24152.97	1809.85	0.02
Hempstead Lake	14077.8*	Max WS	7484.02	19.52	44.08		44.09	0.000001	0.42	23934.93	1771.81	0.02
Hempstead Lake	14057.8*	Max WS	7483.84	19.52	44.08		44.09	0.000001	0.43	23703.91	1733.49	0.02
Hempstead Lake	14037.7*	Max WS	7483.67	19.53	44.08		44.09	0.000001	0.44	23461.48	1694.82	0.02
Hempstead Lake	14017.75	Max WS	7483.51	19.53	44.08		44.09	0.000001	0.45	23202.76	1655.93	0.02
Hempstead Lake	13998.2*	Max WS	7483.37	19.61	44.08		44.09	0.000002	0.42	23049.78	1646.86	0.02
Hempstead Lake	13978.6*	Max WS	7483.24	19.69	44.08		44.09	0.000003	0.42	22893.15	1637.71	0.02
Hempstead Lake	13959.1*	Max WS	7483.10	19.77	44.08		44.09	0.000003	0.41	22730.99	1628.50	0.02
Hempstead Lake	13939.6*	Max WS	7482.96	19.85	44.08		44.09	0.000003	0.41	22564.16	1619.22	0.02

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7482.83	19.94	44.08		44.09	0.000003	0.41	22393.64	1610.00	0.02
Hempstead Lake	13900.5*	Max WS	7482.71	20.02	44.08		44.09	0.000003	0.41	22217.36	1600.77	0.02
Hempstead Lake	13881.*	Max WS	7482.58	20.10	44.08		44.09	0.000003	0.41	22037.25	1591.53	0.02
Hempstead Lake	13861.4*	Max WS	7482.45	20.18	44.08		44.09	0.000003	0.41	21854.23	1580.44	0.02
Hempstead Lake	13841.9*	Max WS	7482.33	20.26	44.08		44.09	0.000004	0.41	21667.21	1569.06	0.02
Hempstead Lake	13822.3*	Max WS	7482.21	20.34	44.08		44.09	0.000004	0.41	21475.74	1558.21	0.02
Hempstead Lake	13802.8*	Max WS	7482.10	20.42	44.08		44.09	0.000004	0.41	21282.23	1547.90	0.02
Hempstead Lake	13783.3*	Max WS	7481.98	20.50	44.08		44.09	0.000004	0.41	21083.77	1536.45	0.02
Hempstead Lake	13763.7*	Max WS	7481.88	20.59	44.08		44.08	0.000004	0.41	20880.67	1526.38	0.02
Hempstead Lake	13744.2*	Max WS	7481.77	20.67	44.08		44.08	0.000004	0.41	20672.07	1517.60	0.02
Hempstead Lake	13724.7*	Max WS	7481.66	20.75	44.08		44.08	0.000004	0.41	20457.22	1509.98	0.02
Hempstead Lake	13705.1*	Max WS	7481.56	20.83	44.08		44.08	0.000003	0.42	20231.14	1503.26	0.02
Hempstead Lake	13685.63	Max WS	7481.46	20.91	44.08		44.08	0.000002	0.43	19997.80	1497.44	0.02
Hempstead Lake	13666.4*	Max WS	7481.36	21.07	44.08		44.08	0.000003	0.41	20483.93	1494.61	0.02
Hempstead Lake	13647.1*	Max WS	7481.26	21.23	44.08		44.08	0.000003	0.40	20896.59	1491.78	0.02
Hempstead Lake	13627.9*	Max WS	7481.17	21.39	44.08		44.08	0.000003	0.39	21234.65	1488.96	0.02
Hempstead Lake	13608.7*	Max WS	7481.09	21.56	44.08		44.08	0.000003	0.39	21496.40	1486.14	0.02
Hempstead Lake	13589.5*	Max WS	7481.00	21.72	44.08		44.08	0.000003	0.38	21686.12	1483.31	0.02
Hempstead Lake	13570.2*	Max WS	7480.92	21.88	44.08		44.08	0.000003	0.38	21800.74	1480.51	0.02
Hempstead Lake	13551.0*	Max WS	7480.84	22.04	44.08		44.08	0.000003	0.38	21841.75	1477.72	0.02
Hempstead Lake	13531.8*	Max WS	7480.75	22.20	44.08		44.08	0.000003	0.38	21807.04	1474.93	0.02
Hempstead Lake	13512.6*	Max WS	7480.68	22.36	44.08		44.08	0.000002	0.39	21697.84	1472.14	0.02
Hempstead Lake	13493.3*	Max WS	7480.60	22.53	44.08		44.08	0.000002	0.39	21515.36	1469.37	0.02
Hempstead Lake	13474.1*	Max WS	7480.53	22.69	44.08		44.08	0.000002	0.40	21257.59	1466.67	0.02
Hempstead Lake	13454.9*	Max WS	7480.46	22.85	44.08		44.08	0.000002	0.40	20926.77	1463.90	0.02
Hempstead Lake	13435.72	Max WS	7480.38	23.01	44.08		44.08	0.000002	0.40	20520.23	1461.16	0.02
Hempstead Lake	13419.3*	Max WS	7480.32	23.00	44.08		44.08	0.000002	0.41	20556.89	1464.85	0.02
Hempstead Lake	13403.0*	Max WS	7480.26	23.00	44.08		44.08	0.000002	0.41	20607.66	1468.56	0.02
Hempstead Lake	13386.6*	Max WS	7480.21	22.99	44.08		44.08	0.000003	0.41	20670.22	1472.24	0.02
Hempstead Lake	13370.3*	Max WS	7480.16	22.98	44.08		44.08	0.000002	0.41	20745.21	1475.89	0.02
Hempstead Lake	13354.*	Max WS	7480.11	22.98	44.08		44.08	0.000002	0.40	20832.03	1479.52	0.02
Hempstead Lake	13337.6*	Max WS	7480.06	22.97	44.08		44.08	0.000003	0.40	20932.46	1483.11	0.02
Hempstead Lake	13321.3*	Max WS	7480.01	22.96	44.08		44.08	0.000002	0.40	21044.99	1486.66	0.02
Hempstead Lake	13304.9*	Max WS	7479.96	22.95	44.08		44.08	0.000002	0.39	21169.24	1490.22	0.02
Hempstead Lake	13288.6*	Max WS	7479.91	22.95	44.08		44.08	0.000002	0.39	21306.91	1493.75	0.02
Hempstead Lake	13272.29	Max WS	7479.86	22.94	44.08		44.08	0.000002	0.39	21456.10	1497.24	0.02
Hempstead Lake	13255.0*	Max WS	7479.82	22.90	44.08		44.08	0.000002	0.39	21731.03	1499.91	0.02
Hempstead Lake	13237.8*	Max WS	7479.77	22.87	44.08		44.08	0.000002	0.38	21996.16	1502.59	0.02
Hempstead Lake	13220.5*	Max WS	7479.73	22.83	44.08		44.08	0.000002	0.38	22254.03	1505.23	0.02
Hempstead Lake	13203.3*	Max WS	7479.68	22.80	44.08		44.08	0.000002	0.37	22501.12	1507.83	0.02
Hempstead Lake	13186.0*	Max WS	7479.64	22.76	44.08		44.08	0.000002	0.37	22739.44	1510.50	0.02
Hempstead Lake	13168.8*	Max WS	7479.59	22.72	44.08		44.08	0.000002	0.36	22968.52	1513.08	0.02
Hempstead Lake	13151.6*	Max WS	7479.55	22.69	44.08		44.08	0.000002	0.36	23188.33	1515.63	0.02
Hempstead Lake	13134.3*	Max WS	7479.51	22.65	44.08		44.08	0.000002	0.36	23399.42	1518.20	0.01
Hempstead Lake	13117.1*	Max WS	7479.47	22.62	44.08		44.08	0.000002	0.35	23601.80	1520.72	0.01
Hempstead Lake	13099.8*	Max WS	7479.44	22.58	44.08		44.08	0.000002	0.35	23794.91	1523.26	0.01
Hempstead Lake	13082.6*	Max WS	7479.40	22.55	44.08		44.08	0.000002	0.35	23977.82	1525.68	0.01
Hempstead Lake	13065.3*	Max WS	7479.36	22.51	44.08		44.08	0.000002	0.34	24153.37	1528.06	0.01
Hempstead Lake	13048.1*	Max WS	7479.33	22.47	44.08		44.08	0.000002	0.34	24319.53	1530.52	0.01
Hempstead Lake	13030.9*	Max WS	7479.30	22.44	44.08		44.08	0.000002	0.34	24474.75	1532.81	0.01
Hempstead Lake	13013.6*	Max WS	7479.27	22.40	44.08		44.08	0.000002	0.34	24622.17	1535.03	0.01
Hempstead Lake	12996.4*	Max WS	7479.25	22.37	44.08		44.08	0.000002	0.33	24761.40	1537.29	0.01
Hempstead Lake	12979.1*	Max WS	7479.22	22.33	44.08		44.08	0.000002	0.33	24888.59	1539.41	0.01
Hempstead Lake	12961.9*	Max WS	7479.20	22.29	44.08		44.08	0.000002	0.33	25010.34	1541.37	0.01
Hempstead Lake	12944.7*	Max WS	7479.17	22.26	44.08		44.08	0.000002	0.33	25120.67	1543.37	0.01
Hempstead Lake	12927.4*	Max WS	7479.15	22.22	44.08		44.08	0.000002	0.33	25223.04	1545.08	0.01
Hempstead Lake	12910.2*	Max WS	7479.12	22.19	44.08		44.08	0.000002	0.33	25316.55	1546.66	0.01
Hempstead Lake	12892.97	Max WS	7479.10	22.15	44.08		44.08	0.000001	0.33	25400.46	1548.14	0.01
Hempstead Lake	12881.0*	Max WS	8755.00	22.12	44.08		44.08	0.000001	0.39	25383.07	1545.89	0.02
Hempstead Lake	12869.1*	Max WS	8754.98	22.09	44.08		44.08	0.000001	0.39	25367.93	1543.38	0.02
Hempstead Lake	12857.1*	Max WS	8754.95	22.06	44.08		44.08	0.000001	0.39	25351.59	1540.99	0.02
Hempstead Lake	12845.2*	Max WS	8754.93	22.03	44.08		44.08	0.000001	0.39	25335.66	1537.60	0.02
Hempstead Lake	12833.3*	Max WS	8754.90	22.00	44.08		44.08	0.000001	0.39	25318.76	1534.14	0.02
Hempstead Lake	12821.4*	Max WS	8754.88	21.97	44.08		44.08	0.000001	0.39	25304.85	1530.62	0.02
Hempstead Lake	12809.4*	Max WS	8754.85	21.94	44.08		44.08	0.000001	0.39	25290.23	1527.11	0.02
Hempstead Lake	12797.5*	Max WS	8754.83	21.92	44.08		44.08	0.000001	0.39	25274.72	1523.05	0.02
Hempstead Lake	12785.6*	Max WS	8754.81	21.89	44.08		44.08	0.000001	0.39	25260.73	1520.94	0.02
Hempstead Lake	12773.7*	Max WS	8754.79	21.86	44.08		44.08	0.000001	0.39	25246.39	1518.79	0.02
Hempstead Lake	12761.7*	Max WS	8754.77	21.83	44.08		44.08	0.000001	0.39	25231.77	1516.42	0.02
Hempstead Lake	12749.8*	Max WS	8754.75	21.80	44.08		44.08	0.000001	0.39	25218.46	1513.83	0.02
Hempstead Lake	12737.9*	Max WS	8754.74	21.77	44.08		44.08	0.000001	0.39	25205.13	1511.00	0.02
Hempstead Lake	12726.0*	Max WS	8754.72	21.74	44.08		44.08	0.000001	0.39	25190.91	1507.76	0.02
Hempstead Lake	12714.0*	Max WS	8754.71	21.71	44.08		44.08	0.000001	0.39	25175.95	1503.68	0.02
Hempstead Lake	12702.1*	Max WS	8754.70	21.68	44.08		44.08	0.000001	0.39	25164.94	1497.66	0.02
Hempstead Lake	12690.2*	Max WS	8754.68	21.65	44.08		44.08	0.000001	0.39	25153.18	1490.32	0.02
Hempstead Lake	12678.3*	Max WS	8754.67	21.62	44.08		44.08	0.000001	0.39	25143.16	1482.11	0.02
Hempstead Lake	12666.3*	Max WS	8754.65	21.59	44.08		44.08	0.000001	0.39	25133.49	1471.91	0.02
Hempstead Lake	12654.4*	Max WS	8754.64	21.56	44.08		44.08	0.000001	0.39	25126.22	1464.04	0.02
Hempstead Lake	12642.5*	Max WS	8754.62	21.53	44.08		44.08	0.000001	0.39	25121.01	1458.47	0.02
Hempstead Lake	12630.6*	Max WS	8754.61	21.50	44.08		44.08	0.000001	0.39	25115.98	1452.63	0.02
Hempstead Lake	12618.6*	Max WS	8754.60	21.47	44.08		44.08	0.000001	0.39	25113.18	1446.68	0.02

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	8754.60	21.45	44.08		44.08	0.000001	0.39	25110.49	1440.35	0.02
Hempstead Lake	12594.8*	Max WS	8754.58	21.42	44.08		44.08	0.000001	0.39	25110.79	1434.01	0.02
Hempstead Lake	12582.9*	Max WS	8754.57	21.39	44.08		44.08	0.000001	0.39	25111.11	1429.08	0.02
Hempstead Lake	12570.9*	Max WS	8754.56	21.36	44.08		44.08	0.000001	0.39	25111.85	1425.33	0.02
Hempstead Lake	12559.0*	Max WS	8754.55	21.33	44.08		44.08	0.000001	0.39	25113.81	1421.67	0.02
Hempstead Lake	12547.1*	Max WS	8754.54	21.30	44.08		44.08	0.000001	0.39	25117.50	1418.02	0.02
Hempstead Lake	12535.2*	Max WS	8754.53	21.27	44.08		44.08	0.000001	0.39	25122.42	1414.36	0.02
Hempstead Lake	12523.27	Max WS	8754.34	21.24	44.08		44.08	0.000001	0.39	25126.20	1410.67	0.02
Hempstead Lake	12515.8*	Max WS	9335.80	21.24	44.08		44.08	0.000002	0.42	24927.11	1397.82	0.02
Hempstead Lake	12508.3*	Max WS	9335.80	21.24	44.08		44.08	0.000002	0.42	24729.37	1384.84	0.02
Hempstead Lake	12500.9*	Max WS	9335.80	21.23	44.08		44.08	0.000002	0.42	24532.39	1372.00	0.02
Hempstead Lake	12493.4*	Max WS	9335.79	21.23	44.08		44.08	0.000002	0.42	24335.39	1359.03	0.02
Hempstead Lake	12486.0*	Max WS	9335.79	21.23	44.08		44.08	0.000002	0.42	24140.61	1346.19	0.02
Hempstead Lake	12478.5*	Max WS	9335.78	21.23	44.08		44.08	0.000003	0.42	23945.25	1333.22	0.02
Hempstead Lake	12471.1*	Max WS	9335.78	21.23	44.08		44.08	0.000003	0.42	23751.14	1320.39	0.02
Hempstead Lake	12463.7*	Max WS	9335.77	21.23	44.08		44.08	0.000003	0.43	23557.59	1307.42	0.02
Hempstead Lake	12456.2*	Max WS	9335.77	21.22	44.08		44.08	0.000003	0.43	23365.40	1294.59	0.02
Hempstead Lake	12448.8*	Max WS	9335.77	21.22	44.08		44.08	0.000004	0.43	23172.56	1281.62	0.02
Hempstead Lake	12441.3*	Max WS	9335.76	21.22	44.08		44.08	0.000004	0.43	22980.71	1268.80	0.02
Hempstead Lake	12433.9*	Max WS	9336.31	21.22	44.08		44.08	0.000005	0.43	22789.54	1255.83	0.02
Hempstead Lake	12426.4*	Max WS	9335.76	21.22	44.08		44.08	0.000005	0.43	22601.12	1243.10	0.02
Hempstead Lake	12419.0*	Max WS	9335.75	21.21	44.08		44.08	0.000005	0.44	22410.95	1230.14	0.02
Hempstead Lake	12411.5*	Max WS	9335.75	21.21	44.08		44.08	0.000006	0.44	22222.71	1217.35	0.02
Hempstead Lake	12404.1*	Max WS	9335.75	21.21	44.08		44.08	0.000006	0.44	22035.03	1204.57	0.02
Hempstead Lake	12396.6*	Max WS	9335.74	21.21	44.08		44.08	0.000006	0.44	21847.71	1191.63	0.02
Hempstead Lake	12389.2*	Max WS	9335.91	21.21	44.08		44.08	0.000007	0.45	21662.01	1178.88	0.02
Hempstead Lake	12381.8*	Max WS	9335.74	21.21	44.08		44.08	0.000007	0.45	21476.20	1165.95	0.02
Hempstead Lake	12374.3*	Max WS	9335.74	21.20	44.08		44.08	0.000008	0.45	21291.03	1153.25	0.02
Hempstead Lake	12366.9*	Max WS	9335.73	21.20	44.08		44.08	0.000008	0.45	21107.01	1140.35	0.02
Hempstead Lake	12359.46	Max WS	9335.73	21.20	44.08		44.08	0.000002	0.47	20923.39	1127.64	0.02
Hempstead Lake	12350.7*	Max WS	9718.50	21.19	44.08		44.08	0.000010	0.48	20581.20	1116.89	0.02
Hempstead Lake	12342.0*	Max WS	9718.50	21.17	44.08		44.08	0.000010	0.49	20242.64	1105.84	0.02
Hempstead Lake	12333.3*	Max WS	9718.49	21.16	44.08		44.08	0.000010	0.50	19903.57	1094.86	0.02
Hempstead Lake	12324.7*	Max WS	9718.49	21.14	44.08		44.08	0.000011	0.51	19566.96	1083.45	0.02
Hempstead Lake	12316.0*	Max WS	9718.48	21.13	44.08		44.08	0.000011	0.52	19234.01	1071.87	0.02
Hempstead Lake	12307.3*	Max WS	9718.48	21.11	44.08		44.08	0.000011	0.53	18902.60	1060.42	0.02
Hempstead Lake	12298.6*	Max WS	9719.14	21.10	44.08		44.08	0.000011	0.54	18572.46	1048.49	0.02
Hempstead Lake	12289.9*	Max WS	9719.07	21.09	44.08		44.08	0.000011	0.55	18245.21	1036.78	0.02
Hempstead Lake	12281.2*	Max WS	9718.47	21.07	44.08		44.08	0.000012	0.56	17920.19	1024.77	0.02
Hempstead Lake	12272.5*	Max WS	9718.47	21.06	44.08		44.08	0.000012	0.57	17596.33	1012.64	0.02
Hempstead Lake	12263.8*	Max WS	9718.47	21.04	44.08		44.08	0.000012	0.58	17274.01	1000.05	0.02
Hempstead Lake	12255.1*	Max WS	9718.46	21.03	44.07		44.08	0.000013	0.59	16953.66	987.43	0.02
Hempstead Lake	12246.4*	Max WS	9718.46	21.01	44.07		44.08	0.000013	0.60	16636.50	974.44	0.02
Hempstead Lake	12237.7*	Max WS	9718.67	21.00	44.07		44.08	0.000014	0.62	16320.54	961.61	0.02
Hempstead Lake	12229.1*	Max WS	9718.60	20.99	44.07		44.08	0.000014	0.63	16006.33	948.44	0.02
Hempstead Lake	12220.4*	Max WS	9718.54	20.97	44.07		44.08	0.000014	0.64	15692.80	935.20	0.03
Hempstead Lake	12211.7*	Max WS	9718.47	20.96	44.07		44.08	0.000015	0.66	15382.75	922.03	0.03
Hempstead Lake	12203.0*	Max WS	9718.41	20.94	44.07		44.08	0.000015	0.67	15073.20	908.60	0.03
Hempstead Lake	12194.3*	Max WS	9718.46	20.93	44.07		44.08	0.000016	0.69	14765.83	895.20	0.03
Hempstead Lake	12185.6*	Max WS	9718.46	20.91	44.07		44.08	0.000016	0.70	14460.61	881.42	0.03
Hempstead Lake	12176.9*	Max WS	9718.45	20.90	44.07		44.08	0.000017	0.72	14156.31	867.70	0.03
Hempstead Lake	12168.2*	Max WS	9718.18	20.89	44.07		44.08	0.000017	0.74	13854.35	853.94	0.03
Hempstead Lake	12159.5*	Max WS	9718.12	20.87	44.07		44.08	0.000018	0.75	13553.80	840.04	0.03
Hempstead Lake	12150.8*	Max WS	9718.06	20.86	44.07		44.08	0.000018	0.77	13254.63	826.04	0.03
Hempstead Lake	12142.1*	Max WS	9718.45	20.84	44.07		44.08	0.000016	0.79	12957.21	812.04	0.03
Hempstead Lake	12133.5*	Max WS	9717.95	20.83	44.07		44.08	0.000017	0.81	12661.74	798.00	0.03
Hempstead Lake	12124.8*	Max WS	9718.45	20.81	44.07		44.08	0.000017	0.84	12368.21	783.80	0.03
Hempstead Lake	12116.1*	Max WS	9717.85	20.80	44.07		44.08	0.000018	0.86	12075.22	769.48	0.03
Hempstead Lake	12107.4*	Max WS	9717.80	20.79	44.07		44.08	0.000018	0.88	11783.85	754.80	0.04
Hempstead Lake	12098.7*	Max WS	9717.75	20.77	44.07		44.08	0.000018	0.90	11494.65	739.79	0.04
Hempstead Lake	12090.0*	Max WS	9717.70	20.76	44.06		44.08	0.000019	0.93	11206.67	724.82	0.04
Hempstead Lake	12081.3*	Max WS	9717.66	20.74	44.06		44.08	0.000019	0.96	10920.63	709.62	0.04
Hempstead Lake	12072.6*	Max WS	9717.61	20.73	44.06		44.08	0.000020	0.98	10634.74	694.33	0.04
Hempstead Lake	12063.9*	Max WS	9717.57	20.71	44.06		44.08	0.000020	1.01	10351.12	678.95	0.04
Hempstead Lake	12055.2*	Max WS	9717.53	20.70	44.06		44.08	0.000020	1.05	10069.33	663.45	0.04
Hempstead Lake	12046.5*	Max WS	9717.49	20.69	44.06		44.08	0.000021	1.08	9787.69	647.86	0.04
Hempstead Lake	12037.9*	Max WS	9717.45	20.67	44.06		44.08	0.000021	1.11	9509.00	632.19	0.05
Hempstead Lake	12029.2*	Max WS	9717.41	20.66	44.06		44.08	0.000022	1.15	9230.19	616.43	0.05
Hempstead Lake	12020.5*	Max WS	9717.37	20.64	44.06		44.08	0.000022	1.19	8953.36	600.47	0.05
Hempstead Lake	12011.8*	Max WS	9717.33	20.63	44.05		44.08	0.000023	1.23	8677.58	584.32	0.05
Hempstead Lake	12003.1*	Max WS	9717.30	20.61	44.05		44.08	0.000024	1.27	8402.95	568.15	0.05
Hempstead Lake	11994.45	Max WS	9717.26	20.60	44.05		44.08	0.000065	1.29	8130.31	551.77	0.05
Hempstead Lake	11989.45	Max WS	10101.25	19.90	44.05		44.07	0.000078	1.40	7809.87	551.67	0.06
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	3709.52	19.90	38.94		39.56	0.000459	6.31	587.88	468.79	0.28
Hempstead Lake	11964.45	Max WS	10074.50	20.15	40.17		40.22	0.000212	1.94	5512.47	488.01	0.09
Hempstead Lake	11954.6*	Max WS	10074.29	20.12	40.16		40.22	0.000081	2.02	5451.22	496.06	0.10
Hempstead Lake	11944.8*	Max WS	10074.09	20.08	40.16		40.22	0.000087	2.05	5395.11	505.16	0.10
Hempstead Lake	11934.9*	Max WS	10073.91	20.05	40.16		40.22	0.000092	2.08	5343.73	516.38	0.10
Hempstead Lake	11925.1*	Max WS	10073.75	20.01	40.16		40.22	0.000099	2.11	5298.93	527.82	0.11
Hempstead Lake	11915.3*	Max WS	10073.60	19.98	40.16		40.22	0.000159	2.11	5260.30	539.68	0.11

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	10073.47	19.94	40.15		40.22	0.000164	2.14	5227.01	550.78	0.11
Hempstead Lake	11895.6*	Max WS	10073.36	19.91	40.15		40.22	0.000171	2.17	5199.43	562.45	0.11
Hempstead Lake	11885.8*	Max WS	10075.56	19.87	40.15		40.22	0.000176	2.19	5179.00	574.83	0.11
Hempstead Lake	11876.0*	Max WS	10075.52	19.84	40.14		40.21	0.000183	2.22	5166.36	587.25	0.12
Hempstead Lake	11866.2*	Max WS	10075.45	19.80	40.14		40.21	0.000189	2.24	5160.41	600.32	0.12
Hempstead Lake	11856.4*	Max WS	10075.33	19.77	40.14		40.21	0.000194	2.26	5161.08	604.50	0.12
Hempstead Lake	11846.5*	Max WS	10075.15	19.73	40.14		40.21	0.000199	2.28	5163.33	606.16	0.12
Hempstead Lake	11836.7*	Max WS	10074.92	19.70	40.13		40.21	0.000204	2.30	5166.21	607.82	0.12
Hempstead Lake	11826.9*	Max WS	10074.61	19.66	40.13		40.21	0.000163	2.35	5169.45	609.47	0.13
Hempstead Lake	11817.1*	Max WS	10074.23	19.63	40.13		40.21	0.000169	2.36	5174.55	611.13	0.13
Hempstead Lake	11807.2*	Max WS	10073.76	19.59	40.13		40.20	0.000175	2.37	5182.08	612.78	0.13
Hempstead Lake	11797.46	Max WS	10073.19	19.56	40.12		40.20	0.000119	2.40	5189.24	614.44	0.13
Hempstead Lake	11792.46	Max WS	10072.79	19.56	40.12		40.20	0.000119	2.43	5149.19	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	10101.14	19.54	38.62		38.84	0.001077	3.89	2893.52	614.44	0.31
Hempstead Lake	11627.46	Max WS	10101.14	19.54	38.63		38.83	0.000910	3.74	2993.74	614.44	0.29
Hempstead Lake	11623.2*	Max WS	10101.14	19.43	38.66		38.82	0.001902	3.39	3208.84	645.38	0.26
Hempstead Lake	11619.1*	Max WS	10101.14	19.31	38.67		38.81	0.001655	3.22	3409.99	676.31	0.24
Hempstead Lake	11614.94	Max WS	10101.13	19.20	38.66		38.81	0.000573	3.24	3597.85	707.25	0.24
Hempstead Lake	11612.94	Max WS	10101.13	19.20	38.66		38.81	0.000542	3.20	3638.82	707.25	0.24
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	4029.52	19.20	35.90		36.81	0.000655	7.69	523.97	688.60	0.34
Hempstead Lake	11598.94	Max WS	4034.67	19.20	36.41		36.46	0.000207	1.92	2331.91	699.71	0.17
Hempstead Lake	11573.9*	Max WS	4038.82	19.18	36.42		36.46	0.000077	1.48	3080.68	774.33	0.12
Hempstead Lake	11548.9*	Max WS	4037.06	19.15	36.43		36.45	0.000051	1.19	3873.87	849.23	0.09
Hempstead Lake	11523.9*	Max WS	4035.28	19.12	36.44		36.45	0.000037	0.99	4712.77	923.95	0.07
Hempstead Lake	11498.9*	Max WS	4033.44	19.10	36.44		36.45	0.000029	0.84	5597.97	1000.16	0.05
Hempstead Lake	11473.9*	Max WS	4031.52	19.08	36.44		36.45	0.000022	0.72	6530.33	1077.53	0.04
Hempstead Lake	11448.9*	Max WS	4029.51	19.05	36.44		36.45	0.000018	0.62	7506.98	1155.46	0.04
Hempstead Lake	11423.9*	Max WS	4027.42	19.02	36.44		36.45	0.000014	0.54	8530.30	1233.79	0.03
Hempstead Lake	11398.9*	Max WS	4025.23	19.00	36.45		36.45	0.000011	0.47	9599.74	1312.39	0.03
Hempstead Lake	11373.9*	Max WS	4022.94	18.98	36.45		36.45	0.000009	0.41	10714.76	1390.66	0.02
Hempstead Lake	11349.*	Max WS	4020.56	18.95	36.45		36.45	0.000007	0.36	11875.64	1462.56	0.02
Hempstead Lake	11324.*	Max WS	4018.08	18.92	36.45		36.45	0.000005	0.31	13086.23	1534.36	0.02
Hempstead Lake	11299.0*	Max WS	4015.50	18.90	36.45		36.45	0.000004	0.28	14340.06	1606.54	0.01
Hempstead Lake	11274.0*	Max WS	4012.84	18.88	36.45		36.45	0.000003	0.24	15644.10	1679.40	0.01
Hempstead Lake	11249.0*	Max WS	4010.09	18.85	36.45		36.45	0.000003	0.21	16994.37	1751.54	0.01
Hempstead Lake	11224.0*	Max WS	4007.23	18.83	36.45		36.45	0.000002	0.19	18393.65	1823.78	0.01
Hempstead Lake	11199.0*	Max WS	4004.29	18.80	36.45		36.45	0.000002	0.17	19837.34	1896.46	0.01
Hempstead Lake	11174.0*	Max WS	4001.27	18.77	36.45		36.45	0.000001	0.15	21329.35	1969.32	0.01
Hempstead Lake	11149.0*	Max WS	3998.21	18.75	36.45		36.45	0.000001	0.13	22872.91	1976.61	0.01
Hempstead Lake	11124.0*	Max WS	3995.09	18.73	36.45		36.45	0.000001	0.11	24467.36	2036.45	0.01
Hempstead Lake	11099.0*	Max WS	3991.91	18.70	36.44		36.45	0.000001	0.10	26108.76	2100.87	0.00
Hempstead Lake	11074.0*	Max WS	3988.62	18.67	36.44		36.45	0.000000	0.09	27801.70	2165.08	0.00
Hempstead Lake	11049.07	Max WS	3985.22	18.65	36.44		36.45	0.000000	0.14	29539.61	2229.84	0.01
Hempstead Lake	11038.4*	Max WS	3983.22	18.61	36.44		36.45	0.000000	0.08	28827.95	2201.16	0.00
Hempstead Lake	11027.7*	Max WS	3981.24	18.58	36.44		36.44	0.000000	0.09	28135.29	2175.48	0.00
Hempstead Lake	11017.0*	Max WS	3979.29	18.54	36.44		36.44	0.000001	0.09	27458.15	2149.74	0.00
Hempstead Lake	11006.4*	Max WS	3977.36	18.50	36.44		36.44	0.000001	0.10	26797.34	2124.11	0.00
Hempstead Lake	10995.7*	Max WS	3975.45	18.47	36.44		36.44	0.000001	0.11	26157.55	2098.43	0.00
Hempstead Lake	10985.0*	Max WS	3973.57	18.43	36.44		36.44	0.000001	0.11	25534.07	2072.79	0.01
Hempstead Lake	10974.4*	Max WS	3971.70	18.39	36.44		36.44	0.000001	0.12	24927.42	2047.34	0.01
Hempstead Lake	10963.7*	Max WS	3969.86	18.35	36.44		36.44	0.000001	0.13	24339.96	2023.42	0.01
Hempstead Lake	10953.1*	Max WS	3968.05	18.32	36.44		36.44	0.000001	0.13	23769.86	1999.67	0.01
Hempstead Lake	10942.4*	Max WS	3966.26	18.28	36.44		36.44	0.000001	0.14	23216.03	1975.96	0.01
Hempstead Lake	10931.7*	Max WS	3964.52	18.24	36.44		36.44	0.000001	0.15	22677.29	1926.10	0.01
Hempstead Lake	10921.1*	Max WS	3962.85	18.21	36.44		36.44	0.000001	0.16	22170.75	1822.39	0.01
Hempstead Lake	10910.4*	Max WS	3961.23	18.17	36.44		36.44	0.000001	0.16	21694.21	1747.52	0.01
Hempstead Lake	10899.7*	Max WS	3959.64	18.13	36.44		36.44	0.000001	0.17	21233.19	1727.84	0.01
Hempstead Lake	10889.1*	Max WS	3958.08	18.10	36.44		36.44	0.000001	0.18	20790.07	1708.32	0.01
Hempstead Lake	10878.4*	Max WS	3956.53	18.06	36.44		36.44	0.000001	0.19	20361.70	1689.02	0.01
Hempstead Lake	10867.8*	Max WS	3955.01	18.02	36.44		36.44	0.000002	0.20	19949.83	1669.78	0.01
Hempstead Lake	10857.1*	Max WS	3953.52	17.99	36.44		36.44	0.000002	0.20	19552.61	1650.87	0.01
Hempstead Lake	10846.4*	Max WS	3952.05	17.95	36.44		36.44	0.000002	0.21	19173.43	1631.84	0.01
Hempstead Lake	10835.8*	Max WS	3950.61	17.91	36.44		36.44	0.000002	0.22	18807.41	1612.84	0.01
Hempstead Lake	10825.1*	Max WS	3949.18	17.88	36.44		36.44	0.000002	0.22	18458.43	1594.14	0.01
Hempstead Lake	10814.4*	Max WS	3947.79	17.84	36.44		36.44	0.000002	0.23	18125.82	1575.32	0.01
Hempstead Lake	10803.8*	Max WS	3946.43	17.80	36.44		36.44	0.000002	0.24	17807.39	1556.65	0.01
Hempstead Lake	10793.1*	Max WS	3945.09	17.76	36.44		36.44	0.000002	0.24	17506.69	1538.00	0.01
Hempstead Lake	10782.4*	Max WS	3943.78	17.73	36.44		36.44	0.000002	0.25	17219.50	1519.42	0.01
Hempstead Lake	10771.8*	Max WS	3942.49	17.69	36.44		36.44	0.000002	0.25	16949.19	1501.04	0.01
Hempstead Lake	10761.1*	Max WS	3941.24	17.65	36.44		36.44	0.000002	0.26	16695.90	1482.65	0.01
Hempstead Lake	10750.5*	Max WS	3940.01	17.62	36.44		36.44	0.000002	0.26	16455.50	1464.37	0.01
Hempstead Lake	10739.8*	Max WS	3938.81	17.58	36.44		36.44	0.000002	0.26	16231.78	1446.15	0.01
Hempstead Lake	10729.1*	Max WS	3937.64	17.54	36.44		36.44	0.000002	0.26	16024.31	1428.00	0.01
Hempstead Lake	10718.5*	Max WS	3936.51	17.51	36.44		36.44	0.000002	0.27	15830.28	1409.98	0.01
Hempstead Lake	10707.8*	Max WS	3935.39	17.47	36.43		36.44	0.000002	0.27	15654.94	1392.15	0.01
Hempstead Lake	10697.1*	Max WS	3934.31	17.43	36.43		36.44	0.000002	0.27	15492.53	1374.27	0.01
Hempstead Lake	10686.5*	Max WS	3933.24	17.40	36.43		36.43	0.000002	0.27	15347.53	1356.60	0.01
Hempstead Lake	10675.8*	Max WS	3932.20	17.36	36.43		36.43	0.000002	0.27	15216.47	1338.94	0.01
Hempstead Lake	10665.2*	Max WS	3931.20	17.32	36.43		36.43	0.000001	0.27	15101.19	1320.90	0.01

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	3930.21	17.29	36.43		36.43	0.000001	0.27	15000.94	1302.98	0.01
Hempstead Lake	10643.8*	Max WS	3929.25	17.25	36.43		36.43	0.000001	0.27	14916.87	1285.45	0.01
Hempstead Lake	10633.2*	Max WS	3928.32	17.21	36.43		36.43	0.000001	0.27	14847.82	1268.28	0.01
Hempstead Lake	10622.5*	Max WS	3927.41	17.17	36.43		36.43	0.000001	0.27	14793.73	1251.29	0.01
Hempstead Lake	10611.8*	Max WS	3926.52	17.14	36.43		36.43	0.000001	0.27	14753.92	1234.83	0.01
Hempstead Lake	10601.2*	Max WS	3925.65	17.10	36.43		36.43	0.000001	0.27	14729.73	1218.68	0.01
Hempstead Lake	10590.5*	Max WS	3924.80	17.06	36.43		36.43	0.000001	0.27	14719.62	1203.10	0.01
Hempstead Lake	10579.8*	Max WS	3923.97	17.03	36.43		36.43	0.000001	0.27	14724.69	1187.78	0.01
Hempstead Lake	10569.23	Max WS	3923.17	16.99	36.43		36.43	0.000001	0.27	14743.63	1172.63	0.01
Hempstead Lake	10549.1*	Max WS	3922.37	16.96	36.43		36.43	0.000001	0.27	14781.63	1169.44	0.01
Hempstead Lake	10529.0*	Max WS	3921.58	16.94	36.43		36.43	0.000001	0.26	14821.42	1166.13	0.01
Hempstead Lake	10508.9*	Max WS	3920.81	16.91	36.42		36.43	0.000001	0.26	14860.64	1162.86	0.01
Hempstead Lake	10488.7*	Max WS	3920.06	16.89	36.42		36.43	0.000001	0.26	14899.05	1159.45	0.01
Hempstead Lake	10468.6*	Max WS	3919.33	16.86	36.42		36.42	0.000001	0.26	14940.02	1155.93	0.01
Hempstead Lake	10448.5*	Max WS	3918.63	16.83	36.42		36.42	0.000001	0.26	14981.86	1152.44	0.01
Hempstead Lake	10428.4*	Max WS	3917.94	16.81	36.42		36.42	0.000001	0.26	15021.97	1148.87	0.01
Hempstead Lake	10408.3*	Max WS	3917.27	16.78	36.42		36.42	0.000001	0.26	15065.22	1145.16	0.01
Hempstead Lake	10388.2*	Max WS	3916.62	16.76	36.42		36.42	0.000001	0.26	15106.61	1141.61	0.01
Hempstead Lake	10368.1*	Max WS	3915.99	16.73	36.42		36.42	0.000001	0.26	15151.58	1137.24	0.01
Hempstead Lake	10348.0*	Max WS	3915.38	16.71	36.42		36.42	0.000001	0.26	15194.72	1132.86	0.01
Hempstead Lake	10327.9*	Max WS	3914.79	16.68	36.42		36.42	0.000001	0.26	15239.55	1127.92	0.01
Hempstead Lake	10307.8*	Max WS	3914.22	16.65	36.42		36.42	0.000001	0.26	15286.19	1122.50	0.01
Hempstead Lake	10287.7*	Max WS	3913.66	16.63	36.42		36.42	0.000001	0.26	15332.69	1117.46	0.01
Hempstead Lake	10267.6*	Max WS	3913.13	16.60	36.42		36.42	0.000001	0.25	15380.42	1112.75	0.01
Hempstead Lake	10247.4*	Max WS	3912.63	16.58	36.42		36.42	0.000001	0.25	15427.02	1108.12	0.01
Hempstead Lake	10227.3*	Max WS	3912.14	16.55	36.41		36.42	0.000001	0.25	15475.66	1104.34	0.01
Hempstead Lake	10207.2*	Max WS	3911.67	16.52	36.41		36.42	0.000001	0.25	15526.35	1101.94	0.01
Hempstead Lake	10187.1*	Max WS	3911.23	16.50	36.41		36.41	0.000001	0.25	15575.03	1099.48	0.01
Hempstead Lake	10167.0*	Max WS	3910.80	16.47	36.41		36.41	0.000001	0.25	15626.23	1097.60	0.01
Hempstead Lake	10146.9*	Max WS	3910.39	16.45	36.41		36.41	0.000001	0.25	15677.79	1128.41	0.01
Hempstead Lake	10126.8*	Max WS	3910.00	16.42	36.41		36.41	0.000001	0.25	15741.62	1169.79	0.01
Hempstead Lake	10106.7*	Max WS	3909.61	16.40	36.41		36.41	0.000001	0.25	15805.71	1179.21	0.01
Hempstead Lake	10086.6*	Max WS	3909.23	16.37	36.41		36.41	0.000001	0.25	15875.29	1189.61	0.01
Hempstead Lake	10066.5*	Max WS	3908.87	16.34	36.41		36.41	0.000001	0.25	15948.57	1200.78	0.01
Hempstead Lake	10046.4*	Max WS	3908.53	16.32	36.41		36.41	0.000001	0.25	16024.35	1212.93	0.01
Hempstead Lake	10026.2*	Max WS	3908.20	16.29	36.41		36.41	0.000001	0.24	16104.46	1224.40	0.01
Hempstead Lake	10006.1*	Max WS	3907.90	16.27	36.41		36.41	0.000001	0.24	16186.67	1235.04	0.01
Hempstead Lake	9986.073	Max WS	3907.61	16.24	36.41		36.41	0.000001	0.24	16273.01	1245.31	0.01
Hempstead Lake	9965.77*	Max WS	3907.35	16.21	36.40		36.41	0.000001	0.24	16260.30	1244.98	0.01
Hempstead Lake	9945.47*	Max WS	3907.11	16.19	36.40		36.40	0.000001	0.24	16243.82	1243.51	0.01
Hempstead Lake	9925.16*	Max WS	3906.89	16.16	36.40		36.40	0.000001	0.24	16227.35	1242.03	0.01
Hempstead Lake	9904.86*	Max WS	3906.70	16.13	36.40		36.40	0.000001	0.24	16210.51	1242.90	0.01
Hempstead Lake	9884.59*	Max WS	3906.53	16.11	36.40		36.40	0.000001	0.24	16191.26	1242.98	0.01
Hempstead Lake	9864.29*	Max WS	3906.39	16.08	36.40		36.40	0.000001	0.24	16173.72	1240.75	0.01
Hempstead Lake	9843.99*	Max WS	3906.28	16.05	36.40		36.40	0.000001	0.24	16154.04	1237.36	0.01
Hempstead Lake	9823.7*	Max WS	3906.19	16.03	36.40		36.40	0.000001	0.24	16133.51	1233.13	0.01
Hempstead Lake	9803.40*	Max WS	3906.13	16.00	36.40		36.40	0.000001	0.24	16111.67	1227.49	0.01
Hempstead Lake	9783.10*	Max WS	3906.10	15.97	36.40		36.40	0.000001	0.24	16089.66	1220.71	0.01
Hempstead Lake	9762.81*	Max WS	3636.23	15.95	36.40		36.40	0.000001	0.23	16066.23	1212.63	0.01
Hempstead Lake	9742.51*	Max WS	3634.42	15.92	36.40		36.40	0.000001	0.23	16043.04	1189.03	0.01
Hempstead Lake	9722.21*	Max WS	3632.64	15.89	36.39		36.40	0.000001	0.23	16024.45	1123.26	0.01
Hempstead Lake	9701.92*	Max WS	3630.89	15.87	36.39		36.39	0.000001	0.23	16007.10	1102.47	0.01
Hempstead Lake	9681.62*	Max WS	3629.27	15.84	36.39		36.39	0.000001	0.23	15990.49	1079.08	0.01
Hempstead Lake	9661.32*	Max WS	3627.75	15.81	36.39		36.39	0.000001	0.23	15977.27	1054.37	0.01
Hempstead Lake	9641.03*	Max WS	3626.31	15.79	36.39		36.39	0.000001	0.23	15962.44	1051.23	0.01
Hempstead Lake	9620.73*	Max WS	3624.92	15.76	36.39		36.39	0.000001	0.23	15947.84	1048.61	0.01
Hempstead Lake	9600.43*	Max WS	3623.59	15.73	36.39		36.39	0.000001	0.23	15931.54	1047.83	0.01
Hempstead Lake	9580.14*	Max WS	3622.30	15.71	36.39		36.39	0.000000	0.23	15915.01	1046.32	0.01
Hempstead Lake	9559.84*	Max WS	3621.06	15.68	36.39		36.39	0.000000	0.23	15898.11	1043.18	0.01
Hempstead Lake	9539.54*	Max WS	3619.87	15.66	36.39		36.39	0.000000	0.23	15879.45	1040.48	0.01
Hempstead Lake	9519.25*	Max WS	3618.73	15.63	36.39		36.39	0.000000	0.23	15859.88	1038.43	0.01
Hempstead Lake	9498.95*	Max WS	3617.63	15.60	36.38		36.38	0.000000	0.23	15842.01	1036.50	0.01
Hempstead Lake	9478.65*	Max WS	3616.57	15.58	36.38		36.38	0.000000	0.23	15820.89	1034.45	0.01
Hempstead Lake	9458.36*	Max WS	3615.57	15.55	36.38		36.38	0.000000	0.23	15800.34	1032.22	0.01
Hempstead Lake	9438.06*	Max WS	3614.62	15.52	36.38		36.38	0.000000	0.23	15777.17	1029.92	0.01
Hempstead Lake	9417.76*	Max WS	3613.72	15.50	36.38		36.38	0.000000	0.23	15754.99	1027.75	0.01
Hempstead Lake	9397.47*	Max WS	3612.88	15.47	36.38		36.38	0.000000	0.23	15730.95	1025.55	0.01
Hempstead Lake	9377.17*	Max WS	3612.08	15.44	36.38		36.38	0.000000	0.23	15708.16	1023.33	0.01
Hempstead Lake	9356.87*	Max WS	3611.34	15.42	36.38		36.38	0.000000	0.23	15680.69	1021.18	0.01
Hempstead Lake	9336.58*	Max WS	3610.64	15.39	36.38		36.38	0.000000	0.24	15656.01	1018.92	0.01
Hempstead Lake	9316.28*	Max WS	3610.00	15.36	36.38		36.38	0.000000	0.24	15629.71	1016.45	0.01
Hempstead Lake	9295.98*	Max WS	3609.40	15.34	36.37		36.38	0.000000	0.24	15601.61	1014.24	0.01
Hempstead Lake	9275.69*	Max WS	3608.85	15.31	36.37		36.37	0.000000	0.24	15573.48	1011.92	0.01
Hempstead Lake	9255.39*	Max WS	3608.36	15.28	36.37		36.37	0.000000	0.24	15544.86	1009.70	0.01
Hempstead Lake	9235.09*	Max WS	3607.92	15.26	36.37		36.37	0.000000	0.24	15513.51	1007.33	0.01
Hempstead Lake	9214.80*	Max WS	3607.53	15.23	36.37		36.37	0.000000	0.24	15484.82	1005.12	0.01
Hempstead Lake	9194.50*	Max WS	3607.19	15.20	36.37		36.37	0.000000	0.24	15451.96	1002.62	0.01
Hempstead Lake	9174.20*	Max WS	3606.91	15.18	36.37		36.37	0.000000	0.24	15419.03	1000.76	0.01
Hempstead Lake	9153.910	Max WS	3606.68	15.15	36.37		36.37	0.000000	0.24	15387.08	998.58	0.01
Hempstead Lake	9133.22*	Max WS	3770.43	15.12	36.37		36.37	0.000001	0.25	15437.95	1005.65	0.01
Hempstead Lake	9112.54*	Max WS	3770.32	15.10	36.36		36.37	0.000001	0.25	15484.58	1012.89	0.01

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	3770.26	15.07	36.36		36.36	0.000001	0.25	15534.14	1020.25	0.01
Hempstead Lake	9071.17*	Max WS	3459.98	15.05	36.36		36.36	0.000000	0.23	15580.60	1027.76	0.01
Hempstead Lake	9050.49*	Max WS	3459.17	15.02	36.36		36.36	0.000000	0.23	15626.41	1035.35	0.01
Hempstead Lake	9029.80*	Max WS	3458.43	15.00	36.36		36.36	0.000000	0.23	15670.54	1043.03	0.01
Hempstead Lake	9009.12*	Max WS	3457.78	14.97	36.36		36.36	0.000000	0.23	15714.76	1050.89	0.01
Hempstead Lake	8988.44*	Max WS	3457.19	14.95	36.36		36.36	0.000000	0.23	15757.36	1058.86	0.01
Hempstead Lake	8967.75*	Max WS	3456.69	14.92	36.36		36.36	0.000000	0.23	15799.11	1067.02	0.01
Hempstead Lake	8947.07*	Max WS	3456.27	14.90	36.36		36.36	0.000000	0.23	15839.47	1075.35	0.01
Hempstead Lake	8926.39*	Max WS	3455.94	14.87	36.36		36.36	0.000000	0.22	15879.27	1084.02	0.01
Hempstead Lake	8905.70*	Max WS	3455.69	14.85	36.35		36.35	0.000000	0.22	15918.61	1092.64	0.01
Hempstead Lake	8885.02*	Max WS	3455.51	14.82	36.35		36.35	0.000000	0.22	15956.48	1101.69	0.01
Hempstead Lake	8864.33*	Max WS	3455.42	14.80	36.35		36.35	0.000000	0.22	15992.56	1110.98	0.01
Hempstead Lake	8843.65*	Max WS	3145.15	14.77	36.35		36.35	0.000000	0.20	16029.60	1120.65	0.01
Hempstead Lake	8822.97*	Max WS	3144.64	14.75	36.35		36.35	0.000000	0.20	16064.26	1130.72	0.01
Hempstead Lake	8802.28*	Max WS	3144.25	14.72	36.35		36.35	0.000000	0.20	16098.89	1151.92	0.01
Hempstead Lake	8781.60*	Max WS	3143.97	14.70	36.35		36.35	0.000000	0.20	16135.20	1178.32	0.01
Hempstead Lake	8760.92*	Max WS	3143.80	14.67	36.35		36.35	0.000000	0.20	16172.58	1209.87	0.01
Hempstead Lake	8740.23*	Max WS	2843.75	14.65	36.35		36.35	0.000000	0.18	16212.32	1247.16	0.01
Hempstead Lake	8719.55*	Max WS	2843.32	14.62	36.35		36.35	0.000000	0.18	16255.60	1313.35	0.01
Hempstead Lake	8698.86*	Max WS	2843.03	14.60	36.34		36.34	0.000000	0.18	16306.12	1349.91	0.01
Hempstead Lake	8678.18*	Max WS	2842.90	14.57	36.34		36.34	0.000000	0.18	16358.41	1402.52	0.01
Hempstead Lake	8657.50*	Max WS	2558.33	14.55	36.34		36.34	0.000000	0.16	16414.02	1456.34	0.01
Hempstead Lake	8636.81*	Max WS	2558.00	14.52	36.34		36.34	0.000000	0.16	16475.20	1491.29	0.01
Hempstead Lake	8616.13*	Max WS	2557.89	14.50	36.34		36.34	0.000000	0.16	16535.85	1511.18	0.01
Hempstead Lake	8595.45*	Max WS	2293.05	14.47	36.34		36.34	0.000000	0.14	16600.40	1537.89	0.01
Hempstead Lake	8574.76*	Max WS	2292.79	14.45	36.34		36.34	0.000000	0.14	16662.18	1562.37	0.01
Hempstead Lake	8554.08*	Max WS	7543.67	14.42	36.34		36.34	0.000002	0.47	16726.56	1586.27	0.02
Hempstead Lake	8533.39*	Max WS	7542.03	14.40	36.34		36.34	0.000002	0.47	16793.76	1608.88	0.02
Hempstead Lake	8512.71*	Max WS	7540.17	14.37	36.34		36.34	0.000002	0.47	16859.97	1631.59	0.02
Hempstead Lake	8492.03*	Max WS	7538.08	14.35	36.34		36.34	0.000002	0.47	16928.67	1653.24	0.02
Hempstead Lake	8471.34*	Max WS	7535.74	14.32	36.34		36.34	0.000002	0.47	16997.17	1673.51	0.02
Hempstead Lake	8450.66*	Max WS	7533.15	14.30	36.34		36.34	0.000002	0.47	17065.82	1693.59	0.02
Hempstead Lake	8429.980	Max WS	7530.37	14.27	36.34		36.34	0.000002	0.47	17133.87	1712.42	0.02
Hempstead Lake	8416.34*	Max WS	7528.44	14.25	36.34		36.34	0.000002	0.46	17227.79	1720.98	0.02
Hempstead Lake	8402.71*	Max WS	7526.42	14.23	36.34		36.34	0.000002	0.46	17323.37	1729.95	0.02
Hempstead Lake	8389.07*	Max WS	7399.94	14.21	36.34		36.34	0.000002	0.45	17418.26	1738.93	0.02
Hempstead Lake	8375.44*	Max WS	7399.77	14.19	36.34		36.34	0.000002	0.45	17517.10	1748.85	0.02
Hempstead Lake	8361.81*	Max WS	7399.49	14.16	36.34		36.34	0.000002	0.44	17613.23	1760.03	0.02
Hempstead Lake	8348.17*	Max WS	7399.10	14.14	36.34		36.35	0.000002	0.44	17712.19	1772.41	0.02
Hempstead Lake	8334.54*	Max WS	7398.59	14.12	36.34		36.35	0.000002	0.44	17809.07	1783.46	0.02
Hempstead Lake	8320.91*	Max WS	7397.96	14.10	36.34		36.35	0.000002	0.44	17908.21	1795.52	0.02
Hempstead Lake	8307.27*	Max WS	7397.22	14.08	36.34		36.35	0.000002	0.43	18007.21	1808.46	0.02
Hempstead Lake	8293.64*	Max WS	7396.37	14.06	36.34		36.35	0.000002	0.43	18109.97	1821.05	0.02
Hempstead Lake	8280.00*	Max WS	7395.41	14.04	36.34		36.35	0.000002	0.43	18210.27	1833.65	0.02
Hempstead Lake	8266.37*	Max WS	7394.35	14.02	36.34		36.35	0.000002	0.43	18309.58	1846.45	0.02
Hempstead Lake	8252.74*	Max WS	7393.19	13.99	36.34		36.35	0.000002	0.42	18411.76	1859.16	0.02
Hempstead Lake	8239.10*	Max WS	7391.91	13.97	36.34		36.35	0.000002	0.42	18513.77	1873.78	0.02
Hempstead Lake	8225.47*	Max WS	7390.54	13.95	36.34		36.35	0.000002	0.42	18619.29	1892.63	0.02
Hempstead Lake	8211.84*	Max WS	7389.07	13.93	36.34		36.35	0.000002	0.42	18723.87	1913.65	0.02
Hempstead Lake	8198.20*	Max WS	7387.50	13.91	36.34		36.35	0.000002	0.41	18831.13	1932.66	0.02
Hempstead Lake	8184.57*	Max WS	7385.84	13.89	36.34		36.35	0.000002	0.41	18937.77	1958.80	0.02
Hempstead Lake	8170.93*	Max WS	7384.09	13.87	36.34		36.35	0.000002	0.41	19046.42	1984.00	0.02
Hempstead Lake	8157.30*	Max WS	7382.23	13.85	36.34		36.35	0.000002	0.41	19155.08	1998.80	0.02
Hempstead Lake	8143.67*	Max WS	7380.25	13.82	36.35		36.35	0.000001	0.40	19268.70	2015.39	0.02
Hempstead Lake	8130.03*	Max WS	7378.16	13.80	36.35		36.35	0.000001	0.40	19378.59	2032.92	0.02
Hempstead Lake	8116.40*	Max WS	7254.52	13.78	36.35		36.35	0.000001	0.39	19494.20	2051.13	0.02
Hempstead Lake	8102.76*	Max WS	7254.32	13.76	36.35		36.35	0.000001	0.39	19607.02	2069.57	0.02
Hempstead Lake	8089.13*	Max WS	7253.99	13.74	36.35		36.35	0.000001	0.39	19721.06	2098.53	0.02
Hempstead Lake	8075.50*	Max WS	7253.54	13.72	36.35		36.35	0.000001	0.39	19839.07	2129.94	0.02
Hempstead Lake	8061.86*	Max WS	7252.95	13.70	36.35		36.35	0.000001	0.38	19960.00	2195.76	0.02
Hempstead Lake	8048.23*	Max WS	7252.23	13.68	36.35		36.35	0.000001	0.38	20084.46	2257.03	0.02
Hempstead Lake	8034.6*	Max WS	7251.40	13.65	36.35		36.35	0.000001	0.38	20213.72	2317.57	0.02
Hempstead Lake	8020.96*	Max WS	7250.45	13.63	36.35		36.35	0.000001	0.38	20348.50	2340.94	0.02
Hempstead Lake	8007.33*	Max WS	7249.39	13.61	36.35		36.35	0.000001	0.37	20486.74	2354.67	0.02
Hempstead Lake	7993.69*	Max WS	7248.13	13.59	36.35		36.35	0.000001	0.37	20631.32	2380.30	0.02
Hempstead Lake	7980.06*	Max WS	7246.68	13.57	36.35		36.35	0.000001	0.37	20777.69	2407.99	0.02
Hempstead Lake	7966.43*	Max WS	7245.06	13.55	36.35		36.35	0.000001	0.37	20928.96	2436.82	0.02
Hempstead Lake	7952.79*	Max WS	7243.26	13.53	36.35		36.35	0.000001	0.37	21083.29	2462.81	0.02
Hempstead Lake	7939.16*	Max WS	7241.26	13.51	36.35		36.35	0.000001	0.36	21257.74	2995.72	0.02
Hempstead Lake	7925.53*	Max WS	7239.07	13.48	36.35		36.35	0.000001	0.36	21457.82	2995.96	0.01
Hempstead Lake	7911.89*	Max WS	7236.72	13.46	36.35		36.35	0.000001	0.36	21658.49	2997.27	0.01
Hempstead Lake	7898.26*	Max WS	7234.28	13.44	36.35		36.35	0.000001	0.36	21857.79	2999.06	0.01
Hempstead Lake	7884.62*	Max WS	7107.42	13.42	36.35		36.35	0.000001	0.35	22059.63	3001.92	0.01
Hempstead Lake	7870.99*	Max WS	7107.15	13.40	36.35		36.35	0.000001	0.35	22259.43	3003.92	0.01
Hempstead Lake	7857.36*	Max WS	7106.68	13.38	36.35		36.35	0.000001	0.34	22464.72	3007.67	0.01
Hempstead Lake	7843.72*	Max WS	7106.04	13.36	36.35		36.35	0.000001	0.34	22669.21	3012.03	0.01
Hempstead Lake	7830.09*	Max WS	7105.20	13.34	36.35		36.35	0.000001	0.34	22876.49	3016.37	0.01
Hempstead Lake	7816.45*	Max WS	7104.18	13.31	36.35		36.35	0.000001	0.34	23087.47	3021.58	0.01
Hempstead Lake	7802.82*	Max WS	7102.98	13.29	36.35		36.35	0.000001	0.34	23291.61	3026.17	0.01
Hempstead Lake	7789.19*	Max WS	7101.61	13.27	36.35		36.35	0.000001	0.33	23504.68	3033.46	0.01
Hempstead Lake	7775.55*	Max WS	7100.06	13.25	36.35		36.35	0.000001	0.33	23712.33	3041.49	0.01

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	7098.35	13.23	36.35		36.35	0.000001	0.33	23925.44	3051.44	0.01
Hempstead Lake	7748.29*	Max WS	7096.47	13.21	36.35		36.35	0.000001	0.33	24137.99	3061.50	0.01
Hempstead Lake	7734.65*	Max WS	6941.46	13.19	36.35		36.35	0.000001	0.32	24353.29	3071.73	0.01
Hempstead Lake	7721.02*	Max WS	6941.16	13.17	36.35		36.35	0.000001	0.32	24573.62	3105.65	0.01
Hempstead Lake	7707.38*	Max WS	6940.60	13.14	36.35		36.35	0.000001	0.32	24788.17	3134.15	0.01
Hempstead Lake	7693.75*	Max WS	6939.80	13.12	36.35		36.35	0.000001	0.31	25010.85	3146.63	0.01
Hempstead Lake	7680.12*	Max WS	6938.74	13.10	36.35		36.35	0.000001	0.31	25229.52	3158.92	0.01
Hempstead Lake	7666.48*	Max WS	6937.41	13.08	36.35		36.35	0.000001	0.31	25457.12	3170.92	0.01
Hempstead Lake	7652.85*	Max WS	6935.85	13.06	36.35		36.35	0.000001	0.31	25676.42	3184.20	0.01
Hempstead Lake	7639.22*	Max WS	6934.04	13.04	36.35		36.35	0.000001	0.31	25904.93	3198.27	0.01
Hempstead Lake	7625.58*	Max WS	6728.41	13.02	36.35		36.35	0.000001	0.30	26134.92	3240.96	0.01
Hempstead Lake	7611.95*	Max WS	6727.96	13.00	36.35		36.35	0.000001	0.29	26361.41	3283.85	0.01
Hempstead Lake	7598.31*	Max WS	6727.20	12.97	36.35		36.35	0.000001	0.29	26593.92	3292.33	0.01
Hempstead Lake	7584.68*	Max WS	6726.13	12.95	36.35		36.35	0.000001	0.29	26826.13	3299.61	0.01
Hempstead Lake	7571.05*	Max WS	6724.77	12.93	36.35		36.36	0.000001	0.29	27062.03	3306.04	0.01
Hempstead Lake	7557.41*	Max WS	6723.10	12.91	36.35		36.36	0.000001	0.29	27293.97	3313.48	0.01
Hempstead Lake	7543.783	Max WS	6450.98	12.89	36.35		36.36	0.000001	0.27	27531.06	3321.00	0.01
Hempstead Lake	7530.03*	Max WS	6479.85	12.85	36.35		36.36	0.000001	0.27	27695.01	3327.73	0.01
Hempstead Lake	7516.28*	Max WS	6471.19	12.82	36.36		36.36	0.000001	0.27	27859.44	3335.19	0.01
Hempstead Lake	7502.53*	Max WS	6459.67	12.78	36.36		36.36	0.000001	0.27	28023.80	3342.35	0.01
Hempstead Lake	7488.79*	Max WS	6445.68	12.74	36.36		36.36	0.000001	0.27	28190.14	3349.80	0.01
Hempstead Lake	7475.04*	Max WS	6429.51	12.71	36.36		36.36	0.000001	0.27	28354.64	3357.36	0.01
Hempstead Lake	7461.29*	Max WS	6411.44	12.67	36.36		36.36	0.000001	0.27	28519.62	3365.29	0.01
Hempstead Lake	7447.54*	Max WS	6175.84	12.63	36.36		36.36	0.000001	0.26	28688.52	3373.71	0.01
Hempstead Lake	7433.79*	Max WS	6173.14	12.60	36.36		36.36	0.000001	0.26	28852.99	3383.84	0.01
Hempstead Lake	7420.04*	Max WS	6166.80	12.56	36.36		36.36	0.000000	0.24	37045.36	5080.17	0.01
Hempstead Lake	7406.3*	Max WS	6158.25	12.52	36.36		36.36	0.000000	0.24	37225.11	5096.87	0.01
Hempstead Lake	7392.55*	Max WS	6147.75	12.49	36.36		36.36	0.000000	0.24	37404.89	5114.44	0.01
Hempstead Lake	7378.80*	Max WS	6135.54	12.45	36.36		36.36	0.000000	0.24	37583.00	5131.77	0.01
Hempstead Lake	7365.05*	Max WS	6121.91	12.41	36.36		36.36	0.000000	0.24	37764.20	5149.35	0.01
Hempstead Lake	7351.30*	Max WS	6107.14	12.38	36.36		36.36	0.000000	0.23	37945.26	5167.53	0.01
Hempstead Lake	7337.55*	Max WS	6098.29	12.34	36.36		36.36	0.000000	0.23	38127.27	5186.47	0.01
Hempstead Lake	7323.81*	Max WS	6095.81	12.30	36.36		36.36	0.000000	0.23	38310.45	5205.50	0.01
Hempstead Lake	7310.06*	Max WS	5952.54	12.26	36.36		36.36	0.000000	0.23	38497.74	5225.61	0.01
Hempstead Lake	7296.31*	Max WS	5952.34	12.23	36.36		36.36	0.000000	0.22	38684.66	5245.79	0.01
Hempstead Lake	7282.56*	Max WS	5951.92	12.19	36.36		36.36	0.000000	0.22	38872.86	5266.75	0.01
Hempstead Lake	7268.81*	Max WS	5948.99	12.15	36.36		36.36	0.000000	0.22	39064.17	5289.19	0.01
Hempstead Lake	7255.06*	Max WS	5943.16	12.12	36.36		36.36	0.000000	0.22	39253.02	5310.93	0.01
Hempstead Lake	7241.32*	Max WS	5939.45	12.08	36.36		36.36	0.000000	0.22	39447.36	5336.13	0.01
Hempstead Lake	7227.57*	Max WS	5938.26	12.04	36.36		36.36	0.000000	0.22	39644.15	5366.02	0.01
Hempstead Lake	7213.82*	Max WS	5936.90	12.01	36.36		36.36	0.000000	0.22	39840.29	5396.82	0.01
Hempstead Lake	7200.07*	Max WS	5935.36	11.97	36.36		36.36	0.000000	0.22	40037.00	5426.97	0.01
Hempstead Lake	7186.32*	Max WS	5933.65	11.93	36.36		36.36	0.000000	0.22	40240.68	5458.37	0.01
Hempstead Lake	7172.57*	Max WS	5931.78	11.90	36.36		36.36	0.000000	0.22	40444.38	5490.11	0.01
Hempstead Lake	7158.83*	Max WS	5929.75	11.86	36.36		36.36	0.000000	0.22	40648.25	5524.77	0.01
Hempstead Lake	7145.08*	Max WS	5927.56	11.82	36.36		36.36	0.000000	0.21	40857.44	5534.86	0.01
Hempstead Lake	7131.33*	Max WS	5925.22	11.79	36.36		36.36	0.000000	0.21	41067.50	5544.77	0.01
Hempstead Lake	7117.58*	Max WS	5805.55	11.75	36.36		36.36	0.000000	0.21	41280.87	5554.55	0.01
Hempstead Lake	7103.83*	Max WS	5805.35	11.71	36.36		36.36	0.000000	0.21	41490.80	5564.33	0.01
Hempstead Lake	7090.08*	Max WS	5804.94	11.68	36.36		36.36	0.000000	0.21	41699.81	5574.27	0.01
Hempstead Lake	7076.34*	Max WS	5804.33	11.64	36.36		36.36	0.000000	0.21	41914.78	5584.05	0.01
Hempstead Lake	7062.59*	Max WS	5803.53	11.60	36.36		36.36	0.000000	0.21	42124.95	5594.00	0.01
Hempstead Lake	7048.84*	Max WS	5802.56	11.57	36.36		36.36	0.000000	0.20	42337.46	5603.80	0.01
Hempstead Lake	7035.09*	Max WS	5801.39	11.53	36.36		36.36	0.000000	0.20	42555.55	5613.61	0.01
Hempstead Lake	7021.34*	Max WS	5800.03	11.49	36.36		36.36	0.000000	0.20	42768.88	5623.33	0.01
Hempstead Lake	7007.6*	Max WS	5798.51	11.46	36.36		36.36	0.000000	0.20	42986.70	5633.14	0.01
Hempstead Lake	6993.85*	Max WS	5796.81	11.42	36.36		36.36	0.000000	0.20	43202.70	5643.11	0.01
Hempstead Lake	6980.10*	Max WS	5794.92	11.38	36.36		36.36	0.000000	0.20	43423.66	5652.94	0.01
Hempstead Lake	6966.35*	Max WS	5792.85	11.35	36.36		36.36	0.000000	0.20	43640.77	5662.78	0.01
Hempstead Lake	6952.60*	Max WS	5790.62	11.31	36.36		36.36	0.000000	0.20	43860.71	5672.77	0.01
Hempstead Lake	6938.85*	Max WS	5655.73	11.27	36.36		36.36	0.000000	0.19	44085.63	5633.51	0.01
Hempstead Lake	6925.11*	Max WS	5655.39	11.23	36.36		36.36	0.000000	0.19	44322.91	5590.23	0.01
Hempstead Lake	6911.36*	Max WS	5654.86	11.20	36.36		36.36	0.000000	0.19	44570.53	5586.51	0.01
Hempstead Lake	6897.61*	Max WS	5654.12	11.16	36.36		36.36	0.000000	0.19	44817.25	5582.89	0.01
Hempstead Lake	6883.86*	Max WS	5653.17	11.12	36.36		36.36	0.000000	0.19	45070.32	5580.36	0.01
Hempstead Lake	6870.11*	Max WS	5652.00	11.09	36.36		36.36	0.000000	0.19	45325.39	5578.06	0.01
Hempstead Lake	6856.36*	Max WS	5650.65	11.05	36.36		36.36	0.000000	0.19	45584.13	5576.21	0.01
Hempstead Lake	6842.62*	Max WS	5649.10	11.01	36.36		36.36	0.000000	0.18	45843.59	5574.91	0.01
Hempstead Lake	6828.87*	Max WS	5647.35	10.98	36.36		36.36	0.000000	0.18	46108.89	5573.44	0.01
Hempstead Lake	6815.12*	Max WS	5645.43	10.94	36.36		36.36	0.000000	0.18	46376.89	5572.54	0.01
Hempstead Lake	6801.37*	Max WS	5481.52	10.90	36.36		36.36	0.000000	0.18	46648.28	5571.47	0.01
Hempstead Lake	6787.62*	Max WS	5481.28	10.87	36.36		36.36	0.000000	0.17	46921.85	5564.22	0.01
Hempstead Lake	6773.87*	Max WS	5480.83	10.83	36.36		36.36	0.000000	0.17	47200.13	5563.40	0.01
Hempstead Lake	6760.13*	Max WS	5480.15	10.79	36.36		36.36	0.000000	0.17	47483.80	5563.10	0.01
Hempstead Lake	6746.38*	Max WS	5476.61	10.76	36.36		36.36	0.000000	0.17	47766.06	5563.10	0.01
Hempstead Lake	6732.634	Max WS	5469.81	10.72	36.36		36.36	0.000000	0.17	48052.52	5563.43	0.01
Hempstead Lake	6718.98*	Max WS	5462.10	10.73	36.36		36.36	0.000000	0.17	47932.88	5538.44	0.01
Hempstead Lake	6705.33*	Max WS	5453.48	10.74	36.36		36.36	0.000000	0.17	47817.29	5513.75	0.01
Hempstead Lake	6691.68*	Max WS	5444.10	10.75	36.36		36.36	0.000000	0.17	47695.16	5488.65	0.01
Hempstead Lake	6678.03*	Max WS	5433.90	10.76	36.36		36.36	0.000000	0.17	47575.65	5463.81	0.01
Hempstead Lake	6664.38*	Max WS	5422.97	10.77	36.36		36.36	0.000000	0.17	47455.82	5439.24	0.01

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	5411.49	10.78	36.36		36.36	0.000000	0.17	47335.34	5414.18	0.01
Hempstead Lake	6637.07*	Max WS	5399.36	10.79	36.36		36.36	0.000000	0.17	47216.27	5389.15	0.01
Hempstead Lake	6623.42*	Max WS	5386.60	10.80	36.36		36.36	0.000000	0.17	47093.66	5363.21	0.01
Hempstead Lake	6609.77*	Max WS	5373.32	10.81	36.36		36.36	0.000000	0.17	46972.93	5337.08	0.01
Hempstead Lake	6596.12*	Max WS	5359.62	10.82	36.36		36.36	0.000000	0.17	46849.09	5310.65	0.01
Hempstead Lake	6582.47*	Max WS	5345.51	10.83	36.36		36.36	0.000000	0.17	46727.44	5283.98	0.01
Hempstead Lake	6568.82*	Max WS	5337.65	10.84	36.36		36.36	0.000000	0.17	46604.04	5248.22	0.01
Hempstead Lake	6555.17*	Max WS	5336.25	10.85	36.36		36.36	0.000000	0.17	46485.10	5186.49	0.01
Hempstead Lake	6541.52*	Max WS	5326.76	10.86	36.36		36.36	0.000000	0.17	46366.63	5170.59	0.01
Hempstead Lake	6527.87*	Max WS	5326.70	10.87	36.36		36.36	0.000000	0.17	46244.04	5154.60	0.01
Hempstead Lake	6514.22*	Max WS	5326.59	10.88	36.36		36.36	0.000000	0.17	46123.18	5139.01	0.01
Hempstead Lake	6500.57*	Max WS	5326.45	10.89	36.36		36.36	0.000000	0.17	46000.52	5123.54	0.01
Hempstead Lake	6486.91*	Max WS	5326.26	10.91	36.36		36.36	0.000000	0.17	45873.69	5108.20	0.01
Hempstead Lake	6473.26*	Max WS	5326.04	10.92	36.36		36.36	0.000000	0.17	45749.20	5093.12	0.01
Hempstead Lake	6459.61*	Max WS	5325.78	10.93	36.36		36.36	0.000000	0.17	45625.23	5078.34	0.01
Hempstead Lake	6445.96*	Max WS	5325.48	10.94	36.36		36.36	0.000000	0.17	45496.96	5063.63	0.01
Hempstead Lake	6432.31*	Max WS	5325.15	10.95	36.36		36.36	0.000000	0.17	45367.98	5049.36	0.01
Hempstead Lake	6418.66*	Max WS	5324.79	10.96	36.36		36.36	0.000000	0.17	45237.21	5035.27	0.01
Hempstead Lake	6405.01*	Max WS	5324.39	10.97	36.36		36.36	0.000000	0.18	45107.14	5022.23	0.01
Hempstead Lake	6391.36*	Max WS	5323.96	10.98	36.36		36.36	0.000000	0.18	44978.41	5012.39	0.01
Hempstead Lake	6377.71*	Max WS	5323.51	10.99	36.36		36.36	0.000000	0.18	44847.96	5006.55	0.01
Hempstead Lake	6364.06*	Max WS	5323.04	11.00	36.36		36.36	0.000000	0.18	44718.29	4998.01	0.01
Hempstead Lake	6350.41*	Max WS	5322.54	11.01	36.36		36.36	0.000000	0.18	44587.40	4988.02	0.01
Hempstead Lake	6336.76*	Max WS	5322.02	11.02	36.36		36.36	0.000000	0.18	44457.43	4976.81	0.01
Hempstead Lake	6323.11*	Max WS	5321.46	11.03	36.36		36.36	0.000000	0.21	34150.23	3679.54	0.01
Hempstead Lake	6309.45*	Max WS	5320.89	11.04	36.36		36.36	0.000000	0.21	34005.61	3673.48	0.01
Hempstead Lake	6295.80*	Max WS	5320.30	11.05	36.36		36.36	0.000000	0.21	33861.31	3667.43	0.01
Hempstead Lake	6282.15*	Max WS	5319.69	11.06	36.36		36.36	0.000000	0.22	33718.34	3661.37	0.01
Hempstead Lake	6268.507	Max WS	5319.06	11.07	36.36		36.36	0.000000	0.22	33574.97	3655.32	0.01
Hempstead Lake	6259.72*	Max WS	5318.67	11.10	36.36		36.36	0.000000	0.18	41347.87	4578.37	0.01
Hempstead Lake	6250.93*	Max WS	5318.29	11.14	36.36		36.36	0.000000	0.19	39176.75	4247.36	0.01
Hempstead Lake	6242.14*	Max WS	5316.69	11.17	36.36		36.36	0.000000	0.19	37276.37	3915.54	0.01
Hempstead Lake	6233.35*	Max WS	5315.07	11.21	36.36		36.36	0.000000	0.19	35639.29	3582.62	0.01
Hempstead Lake	6224.57*	Max WS	5314.66	11.24	36.36		36.36	0.000000	0.19	34272.05	3249.85	0.01
Hempstead Lake	6215.78*	Max WS	5314.29	11.27	36.36		36.36	0.000000	0.19	33175.06	2916.19	0.01
Hempstead Lake	6206.99*	Max WS	5313.95	11.31	36.36		36.36	0.000000	0.19	32346.80	2617.26	0.01
Hempstead Lake	6198.21*	Max WS	5313.65	11.34	36.36		36.36	0.000000	0.18	31800.44	2291.97	0.01
Hempstead Lake	6189.42*	Max WS	5313.39	11.38	36.36		36.36	0.000000	0.18	31499.06	1916.58	0.01
Hempstead Lake	6180.638	Max WS	5313.17	11.41	36.36		36.36	0.000001	0.17	31432.12	1541.19	0.01
Hempstead Lake	6177.638	Max WS	5313.10	11.00	36.36	11.85	36.36	0.000001	0.17	31897.68	1541.19	0.01
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	21639.17	10.80	27.54		27.80	0.004926	4.06	5352.39	1145.54	0.32
Hempstead Lake	5930.638	Max WS	21614.52	10.80	27.36		27.58	0.003804	3.76	5851.49	1181.71	0.29
Hempstead Lake	5880.638	Max WS	21613.49	10.80	27.09		27.36	0.005092	4.13	5311.79	1148.47	0.33
Hempstead Lake	5830.638	Max WS	21595.39	10.80	26.78		27.07	0.006232	4.39	4989.72	1119.19	0.36
Hempstead Lake	5780.638	Max WS	21578.70	10.80	26.37		26.72	0.008067	4.74	4637.16	1139.13	0.40
Hempstead Lake	5730.638	Max WS	21562.63	10.80	26.01		26.33	0.007704	4.51	4812.11	1248.56	0.39
Hempstead Lake	5680.638	Max WS	21547.83	10.80	25.71		26.00	0.006070	4.04	5196.97	1274.81	0.35
Hempstead Lake	5630.638	Max WS	21534.65	10.80	25.43		25.71	0.005464	3.85	5334.68	1285.23	0.33
Hempstead Lake	5580.638	Max WS	21533.89	10.80	25.19		25.44	0.005081	3.79	5531.69	1282.65	0.32
Hempstead Lake	5530.638	Max WS	21522.86	10.80	24.92		25.17	0.005459	3.92	5435.51	1270.72	0.33
Hempstead Lake	5480.638	Max WS	21512.05	10.80	24.57		24.86	0.006805	4.24	5076.17	1262.82	0.37
Hempstead Lake	5430.638	Max WS	21474.04	8.00	24.07		24.44	0.010411	4.79	4488.28	1257.02	0.44
Hempstead Lake	5380.638	Max WS	21420.14	8.00	23.60		24.09	0.003624	5.84	4135.75	1234.00	0.55
Hempstead Lake	5330.638	Max WS	21343.17	8.00	23.31		23.70	0.011495	5.00	4318.05	1223.56	0.46
Hempstead Lake	5307.48*	Max WS	21275.74	7.93	23.09		23.45	0.009589	4.97	4461.45	1239.95	0.44
Hempstead Lake	5284.32*	Max WS	21192.33	7.87	22.90		23.24	0.008125	4.88	4612.83	1255.60	0.42
Hempstead Lake	5261.17*	Max WS	21144.16	7.80	22.75		23.07	0.006499	4.66	4816.64	1233.02	0.39
Hempstead Lake	5238.01*	Max WS	21037.07	7.73	22.65		22.93	0.005064	4.40	5081.48	1220.13	0.35
Hempstead Lake	5214.85*	Max WS	20978.04	7.67	22.58		22.83	0.003929	4.13	5391.28	1210.49	0.32
Hempstead Lake	5191.70*	Max WS	20915.97	7.60	22.52		22.74	0.003071	3.89	5723.46	1209.92	0.29
Hempstead Lake	5168.54*	Max WS	20915.49	7.54	22.48		22.68	0.002433	3.67	6070.45	1211.23	0.26
Hempstead Lake	5145.39*	Max WS	20851.22	7.47	22.45		22.63	0.001939	3.46	6422.54	1214.39	0.24
Hempstead Lake	5122.23*	Max WS	20850.69	7.40	22.43		22.59	0.001570	3.27	6779.00	1216.60	0.22
Hempstead Lake	5099.07*	Max WS	20784.89	7.34	22.41		22.55	0.001277	3.10	7136.43	1219.14	0.20
Hempstead Lake	5075.922	Max WS	20784.64	7.27	22.39		22.53	0.000206	3.05	7492.33	1222.50	0.19
Hempstead Lake	5055.96*	Max WS	20784.37	7.23	22.40		22.52	0.000819	2.83	7800.70	1212.35	0.18
Hempstead Lake	5036.01*	Max WS	20784.11	7.20	22.40		22.51	0.000603	2.72	8123.74	1190.72	0.17
Hempstead Lake	5016.05*	Max WS	20783.79	7.16	22.40		22.50	0.000441	2.61	8484.10	1183.83	0.15
Hempstead Lake	4996.10*	Max WS	20783.43	7.12	22.40		22.49	0.000301	2.51	8866.55	1182.34	0.15
Hempstead Lake	4976.14*	Max WS	20783.06	7.09	22.40		22.49	0.000205	2.41	9261.23	1182.87	0.14
Hempstead Lake	4956.192	Max WS	20782.70	7.05	22.40		22.48	0.000093	2.33	9667.98	1184.49	0.13
Hempstead Lake	4936.44*	Max WS	20782.36	7.02	22.41		22.48	0.000131	2.21	10068.20	1183.05	0.12
Hempstead Lake	4916.69*	Max WS	20782.06	6.98	22.41		22.48	0.000161	2.11	10472.24	1180.14	0.11
Hempstead Lake	4896.94*	Max WS	20781.78	6.95	22.41		22.47	0.000195	2.01	10878.30	1175.66	0.10
Hempstead Lake	4877.19*	Max WS	20781.49	6.91	22.41		22.47	0.000217	1.93	11291.02	1170.87	0.10
Hempstead Lake	4857.44*	Max WS	20781.19	6.88	22.41		22.47	0.000240	1.85	11709.76	1165.88	0.09
Hempstead Lake	4837.697	Max WS	20780.87	6.84	22.41		22.46	0.000043	1.81	12135.35	1160.33	0.09
Hempstead Lake	4817.64*	Max WS	20886.35	6.81	22.41		22.46	0.000252	1.76	12168.66	1155.24	0.09
Hempstead Lake	4797.59*	Max WS	20885.96	6.77	22.41		22.45	0.000248	1.75	12199.20	1149.76	0.08
Hempstead Lake	4777.53*	Max WS	20885.50	6.67	22.40		22.45	0.000244	1.75	12232.35	1144.01	0.08

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	20884.97	6.58	22.40		22.45	0.000240	1.74	12265.74	1138.13	0.08
Hempstead Lake	4737.42*	Max WS	20884.39	6.49	22.40		22.44	0.000236	1.73	12300.64	1131.75	0.08
Hempstead Lake	4717.37*	Max WS	20883.75	6.40	22.39		22.44	0.000232	1.72	12337.26	1125.28	0.08
Hempstead Lake	4697.32*	Max WS	20883.06	6.30	22.39		22.43	0.000227	1.71	12377.34	1118.44	0.08
Hempstead Lake	4677.26*	Max WS	20829.66	6.21	22.38		22.43	0.000222	1.70	12418.10	1111.80	0.08
Hempstead Lake	4657.21*	Max WS	20829.59	6.12	22.38		22.42	0.000217	1.69	12461.16	1105.03	0.08
Hempstead Lake	4637.16*	Max WS	20829.47	6.02	22.38		22.42	0.000213	1.68	12506.78	1097.80	0.08
Hempstead Lake	4617.10*	Max WS	20829.30	5.91	22.37		22.42	0.000209	1.67	12554.37	1089.82	0.08
Hempstead Lake	4597.05*	Max WS	20829.08	5.76	22.37		22.41	0.000205	1.66	12603.03	1081.35	0.08
Hempstead Lake	4577.*	Max WS	20828.81	5.60	22.36		22.41	0.000201	1.65	12656.85	1074.19	0.08
Hempstead Lake	4556.94*	Max WS	20828.50	5.45	22.36		22.40	0.000197	1.64	12712.79	1068.91	0.08
Hempstead Lake	4536.893	Max WS	20828.14	5.30	22.36		22.40	0.000033	1.69	12770.03	1063.87	0.08
Hempstead Lake	4516.70*	Max WS	20832.76	5.16	22.36		22.40	0.000189	1.62	12826.09	1061.95	0.07
Hempstead Lake	4496.51*	Max WS	20832.33	5.02	22.35		22.40	0.000185	1.62	12884.16	1060.06	0.07
Hempstead Lake	4476.32*	Max WS	20831.87	4.88	22.35		22.39	0.000181	1.61	12949.05	1058.26	0.07
Hempstead Lake	4456.14*	Max WS	20831.36	4.74	22.35		22.39	0.000177	1.60	13016.15	1056.70	0.07
Hempstead Lake	4435.95*	Max WS	20830.82	4.60	22.35		22.39	0.000173	1.59	13090.66	1056.47	0.07
Hempstead Lake	4415.76*	Max WS	20830.23	4.46	22.34		22.38	0.000169	1.58	13170.08	1056.67	0.07
Hempstead Lake	4395.57*	Max WS	20829.60	4.32	22.34		22.38	0.000165	1.57	13255.44	1057.02	0.07
Hempstead Lake	4375.38*	Max WS	20828.93	4.18	22.34		22.38	0.000161	1.56	13346.56	1056.99	0.07
Hempstead Lake	4355.20*	Max WS	20783.66	4.04	22.34		22.37	0.000156	1.55	13443.41	1057.11	0.07
Hempstead Lake	4335.01*	Max WS	20783.63	3.90	22.33		22.37	0.000151	1.54	13545.32	1056.86	0.07
Hempstead Lake	4314.82*	Max WS	20783.57	3.76	22.33		22.37	0.000147	1.53	13653.32	1057.15	0.07
Hempstead Lake	4294.63*	Max WS	20783.47	3.62	22.33		22.36	0.000142	1.51	13766.61	1056.98	0.07
Hempstead Lake	4274.44*	Max WS	20783.34	3.48	22.33		22.36	0.000138	1.50	13884.63	1057.36	0.07
Hempstead Lake	4254.26*	Max WS	20783.18	3.34	22.32		22.36	0.000134	1.49	14006.41	1057.14	0.06
Hempstead Lake	4234.07*	Max WS	20782.99	3.20	22.32		22.36	0.000129	1.47	14137.95	1057.01	0.06
Hempstead Lake	4213.88*	Max WS	20782.77	3.06	22.32		22.35	0.000125	1.46	14273.73	1057.03	0.06
Hempstead Lake	4193.69*	Max WS	20782.52	2.92	22.32		22.35	0.000120	1.45	14413.09	1056.43	0.06
Hempstead Lake	4173.50*	Max WS	20782.25	2.78	22.32		22.35	0.000116	1.44	14558.35	1054.81	0.06
Hempstead Lake	4153.320	Max WS	20781.95	2.64	22.32		22.35	0.000019	1.48	14708.46	1052.94	0.06
Hempstead Lake	4131.85*	Max WS	20786.35	2.69	22.31		22.35	0.000115	1.44	14624.00	1048.57	0.06
Hempstead Lake	4110.38*	Max WS	20785.99	2.75	22.31		22.35	0.000116	1.45	14542.30	1043.16	0.06
Hempstead Lake	4088.91*	Max WS	20785.59	2.80	22.31		22.34	0.000118	1.45	14468.42	1036.28	0.06
Hempstead Lake	4067.44*	Max WS	20785.16	2.86	22.31		22.34	0.000119	1.46	14398.63	1029.42	0.06
Hempstead Lake	4045.97*	Max WS	20784.70	2.91	22.30		22.34	0.000121	1.47	14337.43	1021.91	0.06
Hempstead Lake	4024.50*	Max WS	20746.25	2.97	22.30		22.33	0.000121	1.47	14280.08	1015.18	0.06
Hempstead Lake	4003.034	Max WS	20746.22	3.02	22.30		22.33	0.000021	1.53	14230.79	1010.55	0.06
Hempstead Lake	3984.01*	Max WS	20746.15	3.78	22.29		22.33	0.000160	1.61	13185.50	1023.78	0.07
Hempstead Lake	3964.99*	Max WS	20746.02	4.54	22.28		22.33	0.000207	1.75	12172.30	1041.99	0.08
Hempstead Lake	3945.97*	Max WS	20745.81	5.30	22.27		22.32	0.000274	1.91	11191.24	1084.92	0.09
Hempstead Lake	3926.95*	Max WS	20745.48	6.06	22.25		22.32	0.000369	2.09	10254.50	1118.24	0.10
Hempstead Lake	3907.93*	Max WS	20745.01	6.82	22.23		22.31	0.000509	2.30	9379.49	1171.98	0.12
Hempstead Lake	3888.916	Max WS	20744.38	7.58	22.20		22.31	0.000126	2.67	8472.59	1135.09	0.14
Hempstead Lake	3883.916	Max WS	20748.84	7.20	22.20	15.00	22.31	0.000132	2.71	8361.01	1140.26	0.15
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	20680.52	7.19	22.03		22.17	0.000185	3.04	7622.85	1135.66	0.17
Hempstead Lake	3858.916	Max WS	20680.42	7.17	22.02		22.17	0.000214	3.10	7497.79	1136.98	0.18
Hempstead Lake	3826.579	Max WS	20640.08	6.10	21.95		22.16	0.000379	3.73	6332.62	1139.39	0.23
Hempstead Lake	3821.579	Max WS	20639.96	6.02	21.94		22.16	0.000415	3.82	6197.14	1140.16	0.24
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	20639.96	5.94	21.89		22.10	0.001207	3.77	6417.65	1213.42	0.24
Hempstead Lake	3736.579	Max WS	20597.74	5.88	21.88		22.09	0.000411	3.80	6506.89	1216.60	0.24
Hempstead Lake	3699.46*	Max WS	20638.37	5.83	21.88		22.08	0.000460	3.64	6858.36	1263.70	0.22
Hempstead Lake	3662.35*	Max WS	20597.74	5.78	21.88		22.06	0.000441	3.48	7258.20	1273.47	0.21
Hempstead Lake	3625.24*	Max WS	20597.68	5.74	21.88		22.04	0.000409	3.35	7700.04	1312.81	0.19
Hempstead Lake	3588.13*	Max WS	20597.57	5.69	21.88		22.02	0.000395	3.21	8171.61	1354.92	0.18
Hempstead Lake	3551.028	Max WS	20597.38	5.64	21.87		22.01	0.000299	3.12	8667.45	1397.09	0.17
Hempstead Lake	3531.67*	Max WS	20597.21	5.61	21.87		22.00	0.000447	3.15	8415.10	1403.10	0.17
Hempstead Lake	3512.33*	Max WS	20596.92	5.58	21.85		22.00	0.000462	3.26	8138.12	1403.09	0.18
Hempstead Lake	3492.98*	Max WS	20596.49	5.55	21.83		21.99	0.000475	3.38	7852.13	1396.12	0.19
Hempstead Lake	3473.63*	Max WS	20595.91	5.52	21.81		21.98	0.000487	3.50	7562.94	1380.82	0.20
Hempstead Lake	3454.28*	Max WS	20561.40	5.49	21.79		21.97	0.000489	3.60	7296.17	1328.00	0.20
Hempstead Lake	3434.93*	Max WS	20561.31	5.46	21.77		21.97	0.000481	3.72	7037.06	1317.26	0.21
Hempstead Lake	3415.58*	Max WS	20561.06	5.43	21.75		21.96	0.000483	3.85	6782.04	1305.68	0.22
Hempstead Lake	3396.239	Max WS	20560.67	5.40	21.73		21.95	0.000677	3.93	6537.64	1294.29	0.22
Hempstead Lake	3376.88*	Max WS	20560.14	5.37	21.71		21.94	0.000506	4.01	6494.68	1281.34	0.23
Hempstead Lake	3357.52*	Max WS	20559.51	5.34	21.70		21.93	0.000529	4.03	6466.17	1270.08	0.23
Hempstead Lake	3338.16*	Max WS	20526.50	5.32	21.68		21.92	0.000550	4.05	6435.82	1260.23	0.23
Hempstead Lake	3318.80*	Max WS	20526.44	5.29	21.67		21.91	0.000573	4.08	6408.30	1250.55	0.23
Hempstead Lake	3299.44*	Max WS	20526.29	5.26	21.66		21.90	0.000596	4.10	6379.49	1233.47	0.23
Hempstead Lake	3280.08*	Max WS	20526.08	5.23	21.65		21.89	0.000618	4.12	6356.07	1211.86	0.23
Hempstead Lake	3260.73*	Max WS	20525.79	5.21	21.63		21.88	0.000642	4.15	6331.55	1201.81	0.23
Hempstead Lake	3241.37*	Max WS	20525.42	5.18	21.62		21.87	0.000650	4.18	6308.00	1191.34	0.23
Hempstead Lake	3222.01*	Max WS	20524.98	5.15	21.60		21.86	0.000674	4.21	6287.19	1181.20	0.23
Hempstead Lake	3202.65*	Max WS	20524.46	5.12	21.59		21.84	0.000699	4.24	6266.29	1172.03	0.23
Hempstead Lake	3183.29*	Max WS	20523.86	5.10	21.57		21.83	0.000724	4.27	6246.09	1164.22	0.24
Hempstead Lake	3163.93*	Max WS	20494.40	5.07	21.56		21.82	0.000747	4.29	6224.70	1156.57	0.24
Hempstead Lake	3144.581	Max WS	20494.27	5.04	21.54		21.81	0.000672	4.36	6199.23	1149.69	0.24
Hempstead Lake	3124.73*	Max WS	20494.04	5.01	21.52		21.79	0.000618	4.37	6204.18	1144.52	0.24
Hempstead Lake	3104.89*	Max WS	20493.74	4.98	21.51		21.78	0.000614	4.37	6213.57	1170.08	0.24

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	20493.37	4.95	21.50		21.77	0.000610	4.37	6232.71	1213.89	0.24
Hempstead Lake	3065.2*	Max WS	20492.93	4.92	21.49		21.76	0.000607	4.36	6259.47	1286.19	0.24
Hempstead Lake	3045.35*	Max WS	20492.41	4.88	21.47		21.75	0.000583	4.37	6299.92	1360.64	0.24
Hempstead Lake	3025.51*	Max WS	20491.82	4.85	21.46		21.73	0.000581	4.37	6351.17	1401.16	0.24
Hempstead Lake	3005.66*	Max WS	20491.17	4.82	21.45		21.72	0.000577	4.36	6411.45	1433.79	0.24
Hempstead Lake	2985.81*	Max WS	20465.15	4.79	21.44		21.71	0.000550	4.36	6471.73	1451.06	0.24
Hempstead Lake	2965.974	Max WS	20465.11	4.76	21.44		21.70	0.000621	4.31	6545.39	1468.65	0.24
Hempstead Lake	2951.87*	Max WS	20465.08	4.74	21.44		21.69	0.000684	4.25	6594.99	1473.98	0.23
Hempstead Lake	2937.77*	Max WS	20465.03	4.72	21.43		21.68	0.000674	4.21	6636.45	1479.00	0.23
Hempstead Lake	2923.67*	Max WS	20464.95	4.70	21.42		21.67	0.000664	4.18	6680.96	1482.67	0.23
Hempstead Lake	2909.57*	Max WS	20464.85	4.68	21.42		21.66	0.000653	4.15	6723.06	1488.71	0.23
Hempstead Lake	2895.47*	Max WS	20464.73	4.66	21.41		21.65	0.000645	4.12	6766.47	1498.21	0.23
Hempstead Lake	2881.37*	Max WS	20464.58	4.64	21.40		21.64	0.000634	4.09	6810.56	1508.04	0.22
Hempstead Lake	2867.27*	Max WS	20464.41	4.62	21.40		21.63	0.000626	4.05	6856.11	1514.75	0.22
Hempstead Lake	2853.17*	Max WS	20464.21	4.61	21.39		21.62	0.000615	4.02	6901.26	1519.69	0.22
Hempstead Lake	2839.07*	Max WS	20464.00	4.59	21.38		21.61	0.000606	3.99	6947.88	1525.85	0.22
Hempstead Lake	2824.98*	Max WS	20463.76	4.57	21.38		21.60	0.000597	3.96	6992.27	1525.93	0.22
Hempstead Lake	2810.88*	Max WS	20463.52	4.55	21.37		21.59	0.000586	3.93	7038.30	1525.92	0.22
Hempstead Lake	2796.78*	Max WS	20463.25	4.53	21.37		21.58	0.000579	3.90	7082.58	1523.64	0.21
Hempstead Lake	2782.68*	Max WS	20462.97	4.51	21.36		21.57	0.000569	3.87	7126.20	1525.96	0.21
Hempstead Lake	2768.58*	Max WS	20462.68	4.49	21.35		21.56	0.000560	3.84	7170.65	1528.42	0.21
Hempstead Lake	2754.48*	Max WS	20462.37	4.47	21.35		21.55	0.000550	3.81	7214.21	1530.96	0.21
Hempstead Lake	2740.38*	Max WS	20462.04	4.45	21.34		21.54	0.000543	3.79	7257.72	1544.17	0.21
Hempstead Lake	2726.28*	Max WS	20461.71	4.43	21.34		21.54	0.000535	3.77	7304.08	1560.87	0.21
Hempstead Lake	2712.18*	Max WS	20461.35	4.41	21.33		21.53	0.000527	3.74	7348.24	1576.95	0.21
Hempstead Lake	2698.08*	Max WS	20460.99	4.39	21.33		21.52	0.000518	3.71	7394.22	1607.95	0.20
Hempstead Lake	2683.98*	Max WS	20460.61	4.37	21.32		21.51	0.000512	3.70	7443.82	1655.98	0.20
Hempstead Lake	2669.88*	Max WS	20460.22	4.35	21.31		21.50	0.000502	3.67	7494.39	1623.38	0.20
Hempstead Lake	2655.78*	Max WS	20459.82	4.34	21.31		21.50	0.000494	3.64	7536.56	1587.83	0.20
Hempstead Lake	2641.68*	Max WS	20459.43	4.32	21.31		21.49	0.000484	3.61	7571.86	1544.28	0.20
Hempstead Lake	2627.58*	Max WS	20459.04	4.30	21.30		21.48	0.000474	3.58	7600.60	1500.72	0.20
Hempstead Lake	2613.48*	Max WS	20458.67	4.28	21.30		21.47	0.000464	3.55	7621.61	1457.16	0.19
Hempstead Lake	2599.38*	Max WS	20458.30	4.26	21.29		21.47	0.000455	3.52	7633.66	1413.60	0.19
Hempstead Lake	2585.29*	Max WS	20457.94	4.24	21.29		21.46	0.000449	3.50	7640.34	1370.04	0.19
Hempstead Lake	2571.19*	Max WS	20457.59	4.22	21.28		21.45	0.000440	3.47	7637.97	1326.49	0.19
Hempstead Lake	2557.091	Max WS	20457.27	4.20	21.29		21.44	0.000951	3.26	7647.13	1282.93	0.18
Hempstead Lake	2552.091	Max WS	20457.15	4.09	21.25		21.44	0.002017	3.75	6545.66	1282.93	0.23
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	20446.32	4.09	21.20		21.38	0.001955	3.65	6647.73	1282.93	0.22
Hempstead Lake	2487.091	Max WS	20456.99	4.60	21.24		21.36	0.000820	3.06	8007.83	1282.93	0.17
Hempstead Lake	2477.12*	Max WS	20456.63	4.58	21.21		21.36	0.000381	3.25	8024.23	1295.08	0.18
Hempstead Lake	2467.14*	Max WS	20456.25	4.57	21.21		21.36	0.000386	3.27	8069.03	1307.22	0.18
Hempstead Lake	2457.17*	Max WS	20455.86	4.55	21.20		21.35	0.000392	3.29	8115.85	1319.37	0.18
Hempstead Lake	2447.20*	Max WS	20455.47	4.53	21.20		21.35	0.000398	3.31	8167.31	1331.51	0.18
Hempstead Lake	2437.23*	Max WS	20455.07	4.51	21.21		21.34	0.000626	3.21	8237.16	1343.66	0.17
Hempstead Lake	2427.26*	Max WS	20454.67	4.50	21.20		21.34	0.000619	3.23	8293.54	1355.81	0.17
Hempstead Lake	2417.29*	Max WS	20454.26	4.48	21.19		21.33	0.000613	3.25	8354.59	1367.95	0.17
Hempstead Lake	2407.32*	Max WS	20446.44	4.46	21.17		21.33	0.000417	3.40	8405.35	1380.10	0.18
Hempstead Lake	2397.35*	Max WS	20446.44	4.44	21.17		21.32	0.000421	3.42	8475.51	1392.24	0.18
Hempstead Lake	2387.37*	Max WS	20446.43	4.43	21.17		21.32	0.000422	3.44	8553.02	1395.71	0.18
Hempstead Lake	2377.40*	Max WS	20446.42	4.41	21.16		21.32	0.000422	3.45	8637.30	1384.68	0.18
Hempstead Lake	2367.43*	Max WS	20446.42	4.39	21.16		21.31	0.000424	3.47	8726.13	1391.29	0.18
Hempstead Lake	2357.46*	Max WS	20446.41	4.37	21.16		21.31	0.000424	3.48	8820.34	1398.51	0.18
Hempstead Lake	2347.49*	Max WS	20446.41	4.36	21.15		21.30	0.000422	3.50	8919.29	1405.81	0.18
Hempstead Lake	2337.52*	Max WS	20450.77	4.34	21.15		21.30	0.000421	3.52	9022.97	1413.37	0.18
Hempstead Lake	2327.55*	Max WS	20450.33	4.32	21.15		21.29	0.000418	3.54	9131.57	1421.22	0.18
Hempstead Lake	2317.58*	Max WS	20449.88	4.30	21.14		21.29	0.000415	3.55	9246.28	1429.12	0.18
Hempstead Lake	2307.60*	Max WS	20449.44	4.29	21.14		21.28	0.000412	3.57	9365.97	1437.17	0.18
Hempstead Lake	2297.63*	Max WS	20449.00	4.27	21.14		21.28	0.000407	3.58	9490.67	1445.60	0.18
Hempstead Lake	2287.66*	Max WS	20448.55	4.25	21.13		21.28	0.000402	3.60	9617.36	1453.85	0.18
Hempstead Lake	2277.69*	Max WS	20448.12	4.23	21.13		21.27	0.000396	3.62	9750.84	1462.17	0.18
Hempstead Lake	2267.72*	Max WS	20447.68	4.22	21.13		21.26	0.000382	3.61	9891.48	1431.95	0.18
Hempstead Lake	2257.752	Max WS	20447.25	4.20	21.15		21.24	0.000580	3.00	10073.04	1439.74	0.15
Hempstead Lake	2252.75*	Max WS	20446.98	4.10	21.14		21.24	0.000504	3.40	9957.64	1427.66	0.17
Hempstead Lake	2247.752	Max WS	20446.70	4.00	21.14		21.23	0.000615	3.22	9871.34	1416.07	0.16
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	20446.44	3.80	20.74		21.07	0.000999	6.24	7302.03	1338.88	0.32
Hempstead Lake	2192.75*	Max WS	20446.41	3.75	20.74		21.06	0.000754	6.16	7738.69	1333.06	0.30
Hempstead Lake	2187.752	Max WS	20446.38	3.70	20.71		21.09	0.000596	6.57	7986.67	1311.80	0.32
Hempstead Lake	2178.63*	Max WS	20446.37	3.72	20.70		21.10	0.000630	6.73	7828.39	1324.12	0.33
Hempstead Lake	2169.52*	Max WS	20446.34	3.74	20.68		21.10	0.000665	6.88	7671.26	1335.99	0.34
Hempstead Lake	2160.40*	Max WS	20446.32	3.76	20.67		21.11	0.000703	7.04	7517.13	1350.41	0.35
Hempstead Lake	2151.29*	Max WS	20446.31	3.78	20.65		21.12	0.000744	7.21	7357.07	1363.96	0.35
Hempstead Lake	2142.17*	Max WS	20446.29	3.80	20.63		21.15	0.000810	7.49	7207.60	1384.65	0.37
Hempstead Lake	2133.05*	Max WS	20446.27	3.82	20.61		21.16	0.000856	7.66	7046.78	1381.45	0.38
Hempstead Lake	2123.94*	Max WS	20446.26	3.83	20.59		21.16	0.000901	7.82	6896.82	1378.32	0.39
Hempstead Lake	2114.82*	Max WS	20446.24	3.85	20.57		21.18	0.000950	7.98	6745.49	1375.33	0.40
Hempstead Lake	2105.71*	Max WS	20446.23	3.87	20.55		21.19	0.001003	8.16	6595.36	1372.49	0.41
Hempstead Lake	2096.59*	Max WS	20446.22	3.89	20.53		21.20	0.001061	8.34	6442.83	1369.97	0.42
Hempstead Lake	2087.48*	Max WS	20446.21	3.91	20.50		21.21	0.001124	8.53	6287.35	1367.50	0.43
Hempstead Lake	2078.36*	Max WS	20446.21	3.93	20.48		21.23	0.001194	8.73	6131.33	1365.27	0.44

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	20444.24	3.95	20.45		21.25	0.001269	8.95	5973.98	1363.33	0.46
Hempstead Lake	2060.13*	Max WS	20444.14	3.97	20.42		21.27	0.001352	9.17	5814.91	1361.80	0.47
Hempstead Lake	2051.01*	Max WS	20444.05	3.99	20.39		21.29	0.001444	9.41	5654.85	1360.62	0.49
Hempstead Lake	2041.90*	Max WS	20443.97	4.01	20.35		21.31	0.001548	9.67	5487.77	1358.17	0.50
Hempstead Lake	2032.78*	Max WS	20443.91	4.03	20.31		21.33	0.001662	9.94	5320.17	1355.12	0.52
Hempstead Lake	2023.67*	Max WS	20443.87	4.05	20.27		21.36	0.001790	10.22	5146.41	1348.53	0.54
Hempstead Lake	2014.55*	Max WS	20443.85	4.07	20.22		21.40	0.001932	10.53	4970.84	1341.35	0.56
Hempstead Lake	2005.44*	Max WS	20438.58	4.08	20.16		21.43	0.002100	10.86	4784.14	1333.94	0.58
Hempstead Lake	1996.32*	Max WS	20430.33	4.10	20.10		21.47	0.002291	11.23	4590.03	1324.10	0.60
Hempstead Lake	1987.20*	Max WS	20430.18	4.12	20.03	19.06	21.53	0.002516	11.64	4389.71	1312.84	0.63
Hempstead Lake	1978.09*	Max WS	20430.11	4.14	19.94	19.18	21.59	0.002790	12.10	4168.95	1291.82	0.66
Hempstead Lake	1968.97*	Max WS	20419.67	4.16	19.83	19.75	21.66	0.003135	12.64	3924.76	1262.29	0.70
Hempstead Lake	1959.86*	Max WS	16991.26	4.18	19.72	18.96	21.14	0.002454	11.02	3680.89	1235.64	0.62
Hempstead Lake	1950.747	Max WS	16451.84	4.20	19.63	19.03	21.11	0.002576	11.13	3469.79	1214.26	0.63
Hempstead Lake	1945.747	Max WS	20420.31	4.21	20.22		21.19	0.004618	11.33	4577.33	1346.44	0.75
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	18620.38	4.50	19.13		19.31	0.002774	4.02	5714.23	1201.62	0.26
Hempstead Lake	1880.747	Max WS	18571.58	4.45	19.09		19.33	0.000608	4.62	6566.42	1200.43	0.28
Hempstead Lake	1848.83*	Max WS	18667.93	2.70	19.17		19.27	0.000192	2.69	9201.15	1341.34	0.14
Hempstead Lake	1816.92*	Max WS	18715.01	0.95	19.20		19.25	0.000109	1.77	12371.25	1463.62	0.08
Hempstead Lake	1785.01*	Max WS	18760.96	-0.80	19.22		19.24	0.000069	1.28	16099.08	1570.59	0.05
Hempstead Lake	1753.104	Max WS	18760.55	-2.55	19.23		19.24	0.000008	0.99	20446.37	1617.32	0.04
Hempstead Lake	1732.65*	Max WS	18760.36	-2.75	19.23		19.24	0.000045	0.95	20752.81	1629.07	0.04
Hempstead Lake	1712.21*	Max WS	18760.18	-2.95	19.23		19.24	0.000044	0.94	21117.63	1607.31	0.04
Hempstead Lake	1691.76*	Max WS	18759.98	-3.14	19.23		19.24	0.000043	0.93	21523.97	1634.49	0.04
Hempstead Lake	1671.32*	Max WS	18759.78	-3.34	19.23		19.24	0.000041	0.92	21971.95	1661.88	0.04
Hempstead Lake	1650.87*	Max WS	18759.57	-3.54	19.23		19.24	0.000040	0.90	22462.19	1689.56	0.04
Hempstead Lake	1630.434	Max WS	18759.35	-3.74	19.23		19.24	0.000007	0.93	22993.86	1719.45	0.04
Hempstead Lake	1610.36*	Max WS	18759.12	-3.49	19.23		19.24	0.000037	0.92	22360.77	1716.39	0.04
Hempstead Lake	1590.30*	Max WS	18758.89	-3.23	19.22		19.24	0.000036	0.95	21726.29	1712.34	0.04
Hempstead Lake	1570.23*	Max WS	18758.65	-2.98	19.22		19.24	0.000035	0.99	21092.50	1707.89	0.04
Hempstead Lake	1550.17*	Max WS	18758.38	-2.73	19.22		19.24	0.000034	1.03	20460.88	1711.53	0.04
Hempstead Lake	1530.10*	Max WS	18758.11	-2.47	19.22		19.24	0.000033	1.07	19827.42	1710.81	0.04
Hempstead Lake	1510.03*	Max WS	18757.80	-2.22	19.22		19.24	0.000030	1.12	19194.33	1706.87	0.05
Hempstead Lake	1489.97*	Max WS	18757.48	-1.96	19.22		19.24	0.000029	1.16	18562.35	1699.46	0.05
Hempstead Lake	1469.90*	Max WS	18757.14	-1.71	19.21		19.24	0.000027	1.21	17932.36	1712.39	0.05
Hempstead Lake	1449.83*	Max WS	18756.77	-1.46	19.21		19.24	0.000024	1.26	17309.46	1724.30	0.05
Hempstead Lake	1429.77*	Max WS	18756.38	-1.20	19.21		19.24	0.000022	1.32	16688.44	1728.89	0.06
Hempstead Lake	1409.707	Max WS	18755.98	-0.95	19.21		19.24	0.000019	1.36	16078.25	1722.12	0.06
Hempstead Lake	1389.03*	Max WS	20171.31	-0.98	19.20		19.23	0.000022	1.48	16065.33	1733.47	0.07
Hempstead Lake	1368.35*	Max WS	20170.75	-1.00	19.20		19.23	0.000022	1.49	16086.41	1974.84	0.07
Hempstead Lake	1347.67*	Max WS	20170.17	-1.03	19.20		19.23	0.000022	1.49	16120.26	2020.77	0.07
Hempstead Lake	1326.99*	Max WS	20169.54	-1.06	19.20		19.23	0.000022	1.50	16167.97	2173.70	0.07
Hempstead Lake	1306.32*	Max WS	20168.88	-1.08	19.20		19.23	0.000023	1.50	16223.99	2155.78	0.07
Hempstead Lake	1285.64*	Max WS	20168.25	-1.11	19.20		19.23	0.000023	1.50	16276.17	2137.58	0.07
Hempstead Lake	1264.96*	Max WS	20167.63	-1.14	19.20		19.23	0.000023	1.50	16321.48	2118.49	0.07
Hempstead Lake	1244.28*	Max WS	20167.03	-1.16	19.20		19.23	0.000023	1.51	16365.45	2099.76	0.07
Hempstead Lake	1223.61*	Max WS	20166.44	-1.19	19.20		19.23	0.000023	1.51	16406.62	2080.44	0.07
Hempstead Lake	1202.93*	Max WS	20165.86	-1.22	19.20		19.23	0.000023	1.51	16443.68	2060.06	0.07
Hempstead Lake	1182.25*	Max WS	20165.31	-1.24	19.19		19.23	0.000023	1.52	16475.15	2042.92	0.07
Hempstead Lake	1161.57*	Max WS	20164.76	-1.27	19.19		19.23	0.000023	1.52	16503.13	2025.26	0.07
Hempstead Lake	1140.90*	Max WS	20164.24	-1.30	19.19		19.23	0.000023	1.52	16528.09	2006.86	0.07
Hempstead Lake	1120.22*	Max WS	20163.72	-1.32	19.19		19.23	0.000025	1.53	16550.95	1988.04	0.07
Hempstead Lake	1099.54*	Max WS	20163.22	-1.35	19.19		19.23	0.000025	1.53	16566.88	1967.34	0.07
Hempstead Lake	1078.87*	Max WS	20162.74	-1.38	19.19		19.23	0.000025	1.53	16576.99	1942.53	0.07
Hempstead Lake	1058.19*	Max WS	20162.28	-1.40	19.19		19.23	0.000025	1.54	16589.00	1915.65	0.07
Hempstead Lake	1037.515	Max WS	20161.84	-1.43	19.19		19.23	0.000021	1.50	16601.02	1881.64	0.06
Hempstead Lake	1017.08*	Max WS	20169.56	-1.35	19.19		19.23	0.000026	1.53	16586.09	1921.94	0.06
Hempstead Lake	996.645*	Max WS	20169.15	-1.28	19.19		19.23	0.000032	1.52	16579.19	1961.00	0.06
Hempstead Lake	976.210*	Max WS	20168.73	-1.20	19.19		19.22	0.000037	1.52	16575.26	1986.56	0.06
Hempstead Lake	955.775*	Max WS	20168.31	-1.13	19.19		19.22	0.000044	1.51	16572.79	2006.80	0.06
Hempstead Lake	935.340*	Max WS	20167.90	-1.05	19.19		19.22	0.000049	1.51	16569.22	2021.39	0.06
Hempstead Lake	914.905*	Max WS	20167.51	-0.98	19.19		19.22	0.000057	1.50	16565.67	2031.38	0.06
Hempstead Lake	894.471*	Max WS	20167.12	-0.90	19.19		19.22	0.000063	1.49	16559.33	2038.68	0.06
Hempstead Lake	874.036*	Max WS	20166.74	-0.83	19.19		19.22	0.000071	1.48	16551.44	2044.30	0.06
Hempstead Lake	853.601*	Max WS	20166.37	-0.75	19.19		19.22	0.000077	1.47	16542.22	2048.79	0.06
Hempstead Lake	833.166*	Max WS	20166.00	-0.68	19.19		19.22	0.000085	1.46	16529.76	2054.38	0.06
Hempstead Lake	812.731*	Max WS	20165.64	-0.60	19.19		19.21	0.000091	1.45	16515.96	2067.56	0.06
Hempstead Lake	792.296*	Max WS	20165.29	-0.53	19.18		19.21	0.000099	1.44	16501.21	2077.03	0.06
Hempstead Lake	771.862	Max WS	20164.92	-0.45	19.18		19.21	0.000021	1.59	16473.86	2086.93	0.06
Hempstead Lake	750.331*	Max WS	20168.15	-0.53	19.18		19.21	0.000104	1.48	16200.30	2108.76	0.06
Hempstead Lake	728.8*	Max WS	20167.77	-0.61	19.18		19.21	0.000104	1.54	15917.77	2127.70	0.06
Hempstead Lake	707.269*	Max WS	20167.37	-0.69	19.17		19.21	0.000101	1.59	15639.94	2147.96	0.07
Hempstead Lake	685.738*	Max WS	20166.96	-0.77	19.17		19.20	0.000097	1.65	15364.78	2166.93	0.07
Hempstead Lake	664.207*	Max WS	20166.54	-0.85	19.16		19.20	0.000092	1.71	15093.45	2186.92	0.07
Hempstead Lake	642.676*	Max WS	20166.11	-0.93	19.16		19.20	0.000088	1.76	14828.44	2205.95	0.08
Hempstead Lake	621.145*	Max WS	20165.67	-1.02	19.15		19.20	0.000081	1.81	14565.36	2225.82	0.08
Hempstead Lake	599.614*	Max WS	20165.23	-1.10	19.15		19.20	0.000073	1.86	14307.20	2244.90	0.08
Hempstead Lake	578.083*	Max WS	20164.79	-1.18	19.15		19.20	0.000064	1.91	14054.10	2264.70	0.08
Hempstead Lake	556.552*	Max WS	20164.36	-1.26	19.14		19.20	0.000058	1.95	13806.13	2283.85	0.09
Hempstead Lake	535.021*	Max WS	20163.93	-1.34	19.14		19.20	0.000049	1.99	13562.21	2303.62	0.09

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	20163.53	-1.42	19.14		19.20	0.000039	2.00	13326.57	2322.91	0.09
Hempstead Lake	493.038*	Max WS	20168.82	-1.03	19.13		19.20	0.000085	2.12	12484.74	2221.15	0.10
Hempstead Lake	472.587*	Max WS	20168.48	-0.65	19.12		19.20	0.000109	2.26	11668.86	2120.79	0.10
Hempstead Lake	452.136*	Max WS	20168.15	-0.26	19.11		19.20	0.000140	2.42	10874.21	2021.13	0.11
Hempstead Lake	431.685*	Max WS	20167.85	0.12	19.10		19.20	0.000180	2.59	10103.56	1925.72	0.13
Hempstead Lake	411.234*	Max WS	20167.56	0.51	19.08		19.19	0.000228	2.79	9354.30	1827.93	0.14
Hempstead Lake	390.783*	Max WS	20167.28	0.90	19.06		19.19	0.000295	3.02	8624.80	1729.85	0.15
Hempstead Lake	370.332*	Max WS	20167.02	1.28	19.04		19.19	0.000383	3.28	7916.92	1630.63	0.17
Hempstead Lake	349.881*	Max WS	20166.76	1.67	19.00		19.19	0.000500	3.58	7226.14	1530.85	0.19
Hempstead Lake	329.430*	Max WS	20166.52	2.05	18.96		19.18	0.000664	3.94	6551.76	1438.03	0.22
Hempstead Lake	308.979*	Max WS	20166.28	2.44	18.90		19.18	0.000880	4.37	5881.77	1349.66	0.26
Hempstead Lake	288.528*	Max WS	20166.05	2.83	18.82		19.17	0.001183	4.92	5213.02	1264.55	0.30
Hempstead Lake	268.077*	Max WS	20165.82	3.21	18.70		19.17	0.001621	5.64	4531.73	1181.72	0.36
Hempstead Lake	247.626*	Max WS	20165.58	3.60	18.51		19.16	0.002315	6.66	3804.70	1100.22	0.46
Hempstead Lake	227.175*	Max WS	20165.30	3.98	18.13		19.19	0.003510	8.42	2929.65	1018.80	0.64
Hempstead Lake	206.724	Max WS	20165.64	4.37	17.95	15.73	19.65	0.002978	10.60	2321.88	943.49	0.88
Hempstead Lake	201.724	Max WS	20165.18	4.37	17.98	14.62	19.40	0.002208	9.63	2532.03	945.25	0.76
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	20165.57	1.00	17.54		18.51	0.000997	8.54	2636.18	933.52	0.68
Hempstead Lake	166.724	Max WS	20165.55	1.00	17.53	10.51	18.51	0.001000	8.56	2626.33	933.21	0.68

EXIST 1/2 PMF w/BREACH 8/26/15

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	44.10	44.09	0.01	0.00		318.32	3926.56	3204.98	926.34
Hempstead Lake	15523.7*	Max WS	44.10	44.09	0.01	0.00		713.85	3762.24	2973.69	914.99
Hempstead Lake	15503.5*	Max WS	44.10	44.08	0.01	0.00		690.39	3827.30	2932.00	906.51
Hempstead Lake	15483.3*	Max WS	44.10	44.08	0.01	0.00		658.52	3896.53	2894.53	900.19
Hempstead Lake	15463.0*	Max WS	44.09	44.08	0.01	0.00		628.70	3963.42	2857.34	895.46
Hempstead Lake	15442.8*	Max WS	44.09	44.08	0.01	0.00		607.77	4022.76	2818.80	891.19
Hempstead Lake	15422.5*	Max WS	44.09	44.08	0.01	0.00		579.00	4076.37	2793.83	884.19
Hempstead Lake	15402.3*	Max WS	44.09	44.08	0.01	0.00		548.15	4113.26	2760.31	878.35
Hempstead Lake	15382.1*	Max WS	44.09	44.08	0.01	0.00		530.53	4158.33	2732.86	873.64
Hempstead Lake	15361.8*	Max WS	44.09	44.08	0.01	0.00		504.49	4207.05	2710.16	869.84
Hempstead Lake	15341.6*	Max WS	44.09	44.08	0.01	0.00		488.56	4249.00	2684.13	866.83
Hempstead Lake	15321.4*	Max WS	44.09	44.08	0.01	0.00		462.04	4295.67	2663.95	864.65
Hempstead Lake	15301.1*	Max WS	44.09	44.08	0.01	0.00		434.31	4341.88	2645.45	863.77
Hempstead Lake	15280.9*	Max WS	44.09	44.08	0.01	0.00		416.12	4381.25	2624.24	863.47
Hempstead Lake	15260.7*	Max WS	44.09	44.08	0.01	0.00		388.90	4424.96	2607.71	863.49
Hempstead Lake	15240.4*	Max WS	44.09	44.08	0.01	0.00		361.10	4467.73	2592.71	863.97
Hempstead Lake	15220.2*	Max WS	44.09	44.08	0.01	0.00		342.29	4490.31	2588.89	859.14
Hempstead Lake	15200.02	Max WS	44.09	44.08	0.01	0.00		307.36	4430.61	2683.48	819.92
Hempstead Lake	15180.7*	Max WS	44.09	44.08	0.01	0.00		337.44	4591.77	2492.22	847.17
Hempstead Lake	15161.4*	Max WS	44.09	44.08	0.01	0.00		357.72	4721.10	2342.59	868.03
Hempstead Lake	15142.1*	Max WS	44.09	44.08	0.01	0.00		374.09	4838.69	2208.60	889.57
Hempstead Lake	15122.8*	Max WS	44.09	44.08	0.01	0.00		394.70	4943.33	2083.34	909.01
Hempstead Lake	15103.5*	Max WS	44.09	44.08	0.01	0.00		418.22	5054.10	1974.31	927.44
Hempstead Lake	15084.2*	Max WS	44.09	44.08	0.01	0.00		448.67	5133.50	1864.31	945.39
Hempstead Lake	15064.9*	Max WS	44.09	44.08	0.01	0.00		472.19	5209.83	1764.32	962.86
Hempstead Lake	15045.6*	Max WS	44.09	44.08	0.01	0.00		495.89	5279.12	1671.18	979.88
Hempstead Lake	15026.4*	Max WS	44.09	44.08	0.00	0.00		520.40	5341.89	1583.76	996.52
Hempstead Lake	15007.1*	Max WS	44.09	44.08	0.00	0.00		544.69	5398.89	1502.32	1012.81
Hempstead Lake	14987.82	Max WS	44.09	44.08	0.00	0.00		238.59	5712.68	1494.50	1028.77
Hempstead Lake	14966.6*	Max WS	44.09	44.08	0.00	0.00		410.77	5741.88	1341.01	1052.34
Hempstead Lake	14945.4*	Max WS	44.09	44.08	0.00	0.00		383.38	5882.76	1227.36	1076.62
Hempstead Lake	14924.3*	Max WS	44.09	44.08	0.00	0.00		358.40	6013.05	1121.88	1131.21
Hempstead Lake	14903.1*	Max WS	44.09	44.08	0.00	0.00		335.03	6134.44	1023.69	1316.58
Hempstead Lake	14882.*	Max WS	44.09	44.08	0.00	0.00		320.83	6240.26	931.86	1559.06
Hempstead Lake	14860.8*	Max WS	44.09	44.08	0.00	0.00		323.29	6324.43	844.99	1671.41
Hempstead Lake	14839.6*	Max WS	44.09	44.08	0.00	0.00		340.85	6387.81	763.80	1753.32
Hempstead Lake	14818.5*	Max WS	44.09	44.08	0.00	0.00		361.78	6441.98	688.41	1892.51
Hempstead Lake	14797.35	Max WS	44.09	44.08	0.00	0.00		169.31	7053.06	269.53	1941.20
Hempstead Lake	14777.4*	Max WS	44.09	44.08	0.00	0.00		356.00	6552.48	583.15	1958.75
Hempstead Lake	14757.4*	Max WS	44.09	44.08	0.00	0.00		335.12	6601.78	554.47	1946.11
Hempstead Lake	14737.5*	Max WS	44.09	44.08	0.00	0.00		309.08	6662.02	520.00	1923.84
Hempstead Lake	14717.5*	Max WS	44.09	44.08	0.00	0.00		295.16	6702.26	493.42	1910.19
Hempstead Lake	14697.6*	Max WS	44.09	44.08	0.00	0.00		285.57	6737.11	467.91	1879.09
Hempstead Lake	14677.6*	Max WS	44.09	44.08	0.00	0.00		276.40	6771.54	442.41	1878.21
Hempstead Lake	14657.7*	Max WS	44.09	44.08	0.00	0.00		265.47	6812.94	411.68	1877.70
Hempstead Lake	14637.7*	Max WS	44.09	44.08	0.00	0.00		260.29	6840.88	388.68	1875.52
Hempstead Lake	14617.8*	Max WS	44.09	44.08	0.00	0.00		250.15	6871.78	367.67	1878.33
Hempstead Lake	14597.8*	Max WS	44.09	44.08	0.00	0.00		246.83	6894.50	348.03	1900.59
Hempstead Lake	14577.9*	Max WS	44.09	44.08	0.00	0.00		243.91	6931.81	313.42	1797.89
Hempstead Lake	14557.9*	Max WS	44.09	44.08	0.00	0.00		245.31	6947.04	296.57	1747.42
Hempstead Lake	14538.0*	Max WS	44.09	44.08	0.00	0.00		246.58	6951.54	290.58	1768.33
Hempstead Lake	14518.0*	Max WS	44.09	44.08	0.00	0.00		241.88	6967.55	279.04	1785.33
Hempstead Lake	14498.1*	Max WS	44.09	44.08	0.00	0.00		235.90	6978.60	273.76	1799.63
Hempstead Lake	14478.1*	Max WS	44.09	44.08	0.00	0.00		233.77	6986.30	267.98	1817.37
Hempstead Lake	14458.2*	Max WS	44.09	44.08	0.00	0.00		230.86	6995.04	261.93	1832.13
Hempstead Lake	14438.2*	Max WS	44.09	44.08	0.00	0.00		221.22	7017.97	248.43	1841.14
Hempstead Lake	14418.3*	Max WS	44.09	44.08	0.00	0.00		216.48	7030.27	240.65	1848.82
Hempstead Lake	14398.37	Max WS	44.09	44.08	0.00	0.00		127.04	7125.25	234.91	1855.34
Hempstead Lake	14378.3*	Max WS	44.09	44.08	0.00	0.00		130.79	7110.47	245.73	1835.60
Hempstead Lake	14358.3*	Max WS	44.09	44.08	0.00	0.00		134.15	7095.62	257.02	1816.41
Hempstead Lake	14338.2*	Max WS	44.09	44.08	0.00	0.00		137.32	7080.45	268.82	1797.87
Hempstead Lake	14318.2*	Max WS	44.09	44.08	0.00	0.00		140.13	7065.06	281.19	1780.05
Hempstead Lake	14298.2*	Max WS	44.09	44.08	0.00	0.00		142.45	7049.44	294.29	1763.12
Hempstead Lake	14278.1*	Max WS	44.09	44.08	0.00	0.00		143.92	7033.89	308.17	1749.63
Hempstead Lake	14258.1*	Max WS	44.09	44.08	0.00	0.00		144.89	7018.18	322.71	1884.27
Hempstead Lake	14238.1*	Max WS	44.09	44.08	0.00	0.00		146.44	7000.40	338.74	1910.75
Hempstead Lake	14218.0*	Max WS	44.09	44.08	0.00	0.00		147.89	6980.85	356.63	1980.01
Hempstead Lake	14198.0*	Max WS	44.09	44.08	0.00	0.00		123.21	6984.90	377.05	1989.54
Hempstead Lake	14178.0*	Max WS	44.09	44.08	0.00	0.00		134.48	6953.75	396.73	1952.42
Hempstead Lake	14157.9*	Max WS	44.09	44.08	0.00	0.00		145.21	6923.93	415.62	1920.71
Hempstead Lake	14137.9*	Max WS	44.09	44.08	0.00	0.00		154.98	6890.86	438.73	1884.57
Hempstead Lake	14117.9*	Max WS	44.09	44.08	0.00	0.00		163.51	6856.87	464.00	1847.40

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	44.09	44.08	0.00	0.00		170.76	6822.15	491.29	1809.85
Hempstead Lake	14077.8*	Max WS	44.09	44.08	0.00	0.00		176.41	6786.90	520.71	1771.81
Hempstead Lake	14057.8*	Max WS	44.09	44.08	0.00	0.00		180.42	6751.35	552.06	1733.49
Hempstead Lake	14037.7*	Max WS	44.09	44.08	0.00	0.00		182.35	6715.78	585.53	1694.82
Hempstead Lake	14017.75	Max WS	44.09	44.08	0.00	0.00		180.56	6686.67	616.28	1655.93
Hempstead Lake	13998.2*	Max WS	44.09	44.08	0.00	0.00		320.56	6390.63	772.18	1646.86
Hempstead Lake	13978.6*	Max WS	44.09	44.08	0.00	0.00		326.51	6415.31	741.41	1637.71
Hempstead Lake	13959.1*	Max WS	44.09	44.08	0.00	0.00		329.62	6439.60	713.88	1628.50
Hempstead Lake	13939.6*	Max WS	44.09	44.08	0.00	0.00		332.51	6463.90	686.56	1619.22
Hempstead Lake	13920.0*	Max WS	44.09	44.08	0.00	0.00		330.66	6501.75	650.43	1610.00
Hempstead Lake	13900.5*	Max WS	44.09	44.08	0.00	0.00		333.20	6525.68	623.83	1600.77
Hempstead Lake	13881.*	Max WS	44.09	44.08	0.00	0.00		334.67	6551.32	596.59	1591.53
Hempstead Lake	13861.4*	Max WS	44.09	44.08	0.00	0.00		333.35	6589.26	559.84	1580.44
Hempstead Lake	13841.9*	Max WS	44.09	44.08	0.00	0.00		332.68	6615.39	534.26	1569.06
Hempstead Lake	13822.3*	Max WS	44.09	44.08	0.00	0.00		325.37	6656.95	499.89	1558.21
Hempstead Lake	13802.8*	Max WS	44.09	44.08	0.00	0.00		322.40	6685.71	474.00	1547.90
Hempstead Lake	13783.3*	Max WS	44.09	44.08	0.00	0.00		313.51	6725.76	442.70	1536.45
Hempstead Lake	13763.7*	Max WS	44.08	44.08	0.00	0.00		306.33	6760.17	415.37	1526.38
Hempstead Lake	13744.2*	Max WS	44.08	44.08	0.00	0.00		298.24	6800.62	382.91	1517.60
Hempstead Lake	13724.7*	Max WS	44.08	44.08	0.00	0.00		289.87	6835.51	356.28	1509.98
Hempstead Lake	13705.1*	Max WS	44.08	44.08	0.00	0.00		273.39	6886.81	321.36	1503.26
Hempstead Lake	13685.63	Max WS	44.08	44.08	0.00	0.00		197.91	7061.70	221.85	1497.44
Hempstead Lake	13666.4*	Max WS	44.08	44.08	0.00	0.00		264.10	6918.26	299.00	1494.61
Hempstead Lake	13647.1*	Max WS	44.08	44.08	0.00	0.00		266.88	6917.18	297.20	1491.78
Hempstead Lake	13627.9*	Max WS	44.08	44.08	0.00	0.00		272.38	6907.24	301.55	1488.96
Hempstead Lake	13608.7*	Max WS	44.08	44.08	0.00	0.00		274.74	6907.52	298.83	1486.14
Hempstead Lake	13589.5*	Max WS	44.08	44.08	0.00	0.00		276.70	6908.61	295.70	1483.31
Hempstead Lake	13570.2*	Max WS	44.08	44.08	0.00	0.00		277.97	6911.30	291.65	1480.51
Hempstead Lake	13551.0*	Max WS	44.08	44.08	0.00	0.00		283.79	6902.71	294.34	1477.72
Hempstead Lake	13531.8*	Max WS	44.08	44.08	0.00	0.00		286.09	6903.70	290.96	1474.93
Hempstead Lake	13512.6*	Max WS	44.08	44.08	0.00	0.00		288.79	6904.18	287.71	1472.14
Hempstead Lake	13493.3*	Max WS	44.08	44.08	0.00	0.00		291.79	6904.19	284.62	1469.37
Hempstead Lake	13474.1*	Max WS	44.08	44.08	0.00	0.00		296.20	6901.70	282.63	1466.67
Hempstead Lake	13454.9*	Max WS	44.08	44.08	0.00	0.00		307.87	6884.03	288.56	1463.90
Hempstead Lake	13435.72	Max WS	44.08	44.08	0.00	0.00		270.44	6573.80	636.14	1461.16
Hempstead Lake	13419.3*	Max WS	44.08	44.08	0.00	0.00		291.99	6918.01	270.32	1464.85
Hempstead Lake	13403.0*	Max WS	44.08	44.08	0.00	0.00		300.23	6924.20	255.84	1468.56
Hempstead Lake	13386.6*	Max WS	44.08	44.08	0.00	0.00		307.75	6931.72	240.74	1472.24
Hempstead Lake	13370.3*	Max WS	44.08	44.08	0.00	0.00		307.63	6951.94	220.59	1475.89
Hempstead Lake	13354.*	Max WS	44.08	44.08	0.00	0.00		312.82	6962.27	205.02	1479.52
Hempstead Lake	13337.6*	Max WS	44.08	44.08	0.00	0.00		316.79	6973.61	189.67	1483.11
Hempstead Lake	13321.3*	Max WS	44.08	44.08	0.00	0.00		318.51	6987.88	173.61	1486.66
Hempstead Lake	13304.9*	Max WS	44.08	44.08	0.00	0.00		320.26	7001.02	158.68	1490.22
Hempstead Lake	13288.6*	Max WS	44.08	44.08	0.00	0.00		321.17	7014.54	144.19	1493.75
Hempstead Lake	13272.29	Max WS	44.08	44.08	0.00	0.00		270.84	7106.26	102.76	1497.24
Hempstead Lake	13255.0*	Max WS	44.08	44.08	0.00	0.00		266.64	7107.47	105.70	1499.91
Hempstead Lake	13237.8*	Max WS	44.08	44.08	0.00	0.00		268.46	7101.90	109.41	1502.59
Hempstead Lake	13220.5*	Max WS	44.08	44.08	0.00	0.00		270.63	7095.95	113.14	1505.23
Hempstead Lake	13203.3*	Max WS	44.08	44.08	0.00	0.00		267.22	7098.15	114.31	1507.83
Hempstead Lake	13186.0*	Max WS	44.08	44.08	0.00	0.00		269.74	7091.87	118.02	1510.50
Hempstead Lake	13168.8*	Max WS	44.08	44.08	0.00	0.00		272.36	7085.57	121.66	1513.08
Hempstead Lake	13151.6*	Max WS	44.08	44.08	0.00	0.00		274.98	7079.37	125.20	1515.63
Hempstead Lake	13134.3*	Max WS	44.08	44.08	0.00	0.00		275.98	7075.54	128.00	1518.20
Hempstead Lake	13117.1*	Max WS	44.08	44.08	0.00	0.00		277.10	7071.70	130.68	1520.72
Hempstead Lake	13099.8*	Max WS	44.08	44.08	0.00	0.00		272.38	7076.58	130.48	1523.26
Hempstead Lake	13082.6*	Max WS	44.08	44.08	0.00	0.00		271.93	7075.28	132.19	1525.68
Hempstead Lake	13065.3*	Max WS	44.08	44.08	0.00	0.00		270.84	7075.02	133.50	1528.06
Hempstead Lake	13048.1*	Max WS	44.08	44.08	0.00	0.00		270.05	7074.41	134.87	1530.52
Hempstead Lake	13030.9*	Max WS	44.08	44.08	0.00	0.00		267.78	7076.23	135.29	1532.81
Hempstead Lake	13013.6*	Max WS	44.08	44.08	0.00	0.00		264.78	7079.09	135.40	1535.03
Hempstead Lake	12996.4*	Max WS	44.08	44.08	0.00	0.00		259.42	7085.81	134.02	1537.29
Hempstead Lake	12979.1*	Max WS	44.08	44.08	0.00	0.00		255.89	7089.87	133.46	1539.41
Hempstead Lake	12961.9*	Max WS	44.08	44.08	0.00	0.00		252.03	7094.42	132.75	1541.37
Hempstead Lake	12944.7*	Max WS	44.08	44.08	0.00	0.00		250.45	7095.68	133.05	1543.37
Hempstead Lake	12927.4*	Max WS	44.08	44.08	0.00	0.00		246.30	7100.93	131.92	1545.08
Hempstead Lake	12910.2*	Max WS	44.08	44.08	0.00	0.00		242.08	7106.25	130.79	1546.66
Hempstead Lake	12892.97	Max WS	44.08	44.08	0.00	0.00		171.09	7163.75	144.26	1548.14
Hempstead Lake	12881.0*	Max WS	44.08	44.08	0.00	0.00		211.84	8426.75	116.41	1545.89
Hempstead Lake	12869.1*	Max WS	44.08	44.08	0.00	0.00		211.49	8426.22	117.27	1543.38
Hempstead Lake	12857.1*	Max WS	44.08	44.08	0.00	0.00		211.01	8425.82	118.12	1540.99
Hempstead Lake	12845.2*	Max WS	44.08	44.08	0.00	0.00		210.60	8425.14	119.19	1537.60
Hempstead Lake	12833.3*	Max WS	44.08	44.08	0.00	0.00		210.15	8424.60	120.14	1534.14

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	44.08	44.08	0.00	0.00		209.81	8423.90	121.17	1530.62
Hempstead Lake	12809.4*	Max WS	44.08	44.08	0.00	0.00		209.45	8423.16	122.24	1527.11
Hempstead Lake	12797.5*	Max WS	44.08	44.08	0.00	0.00		208.97	8422.47	123.39	1523.05
Hempstead Lake	12785.6*	Max WS	44.08	44.08	0.00	0.00		208.47	8422.43	123.91	1520.94
Hempstead Lake	12773.7*	Max WS	44.08	44.08	0.00	0.00		208.03	8422.34	124.42	1518.79
Hempstead Lake	12761.7*	Max WS	44.08	44.08	0.00	0.00		207.55	8422.22	125.01	1516.42
Hempstead Lake	12749.8*	Max WS	44.08	44.08	0.00	0.00		207.16	8421.90	125.69	1513.83
Hempstead Lake	12737.9*	Max WS	44.08	44.08	0.00	0.00		206.72	8421.64	126.37	1511.00
Hempstead Lake	12726.0*	Max WS	44.08	44.08	0.00	0.00		206.21	8421.49	127.01	1507.76
Hempstead Lake	12714.0*	Max WS	44.08	44.08	0.00	0.00		205.65	8421.15	127.91	1503.68
Hempstead Lake	12702.1*	Max WS	44.08	44.08	0.00	0.00		205.14	8420.22	129.33	1497.66
Hempstead Lake	12690.2*	Max WS	44.08	44.08	0.00	0.00		204.54	8419.06	131.08	1490.32
Hempstead Lake	12678.3*	Max WS	44.08	44.08	0.00	0.00		204.15	8417.05	133.46	1482.11
Hempstead Lake	12666.3*	Max WS	44.08	44.08	0.00	0.00		203.53	8414.78	136.34	1471.91
Hempstead Lake	12654.4*	Max WS	44.08	44.08	0.00	0.00		202.93	8412.79	138.92	1464.04
Hempstead Lake	12642.5*	Max WS	44.08	44.08	0.00	0.00		202.36	8411.29	140.97	1458.47
Hempstead Lake	12630.6*	Max WS	44.08	44.08	0.00	0.00		201.77	8409.73	143.11	1452.63
Hempstead Lake	12618.6*	Max WS	44.08	44.08	0.00	0.00		201.25	8407.69	145.66	1446.68
Hempstead Lake	12606.7*	Max WS	44.08	44.08	0.00	0.00		200.61	8405.69	148.29	1440.35
Hempstead Lake	12594.8*	Max WS	44.08	44.08	0.00	0.00		199.98	8403.35	151.26	1434.01
Hempstead Lake	12582.9*	Max WS	44.08	44.08	0.00	0.00		199.35	8401.53	153.68	1429.08
Hempstead Lake	12570.9*	Max WS	44.08	44.08	0.00	0.00		198.65	8400.07	155.83	1425.33
Hempstead Lake	12559.0*	Max WS	44.08	44.08	0.00	0.00		198.05	8398.43	158.07	1421.67
Hempstead Lake	12547.1*	Max WS	44.08	44.08	0.00	0.00		197.54	8396.73	160.27	1418.02
Hempstead Lake	12535.2*	Max WS	44.08	44.08	0.00	0.00		196.80	8395.11	162.62	1414.36
Hempstead Lake	12523.27	Max WS	44.08	44.08	0.00	0.00		196.37	8400.98	156.99	1410.67
Hempstead Lake	12515.8*	Max WS	44.08	44.08	0.00	0.00		286.38	8883.88	165.54	1397.82
Hempstead Lake	12508.3*	Max WS	44.08	44.08	0.00	0.00		304.00	8868.12	163.68	1384.84
Hempstead Lake	12500.9*	Max WS	44.08	44.08	0.00	0.00		317.63	8856.99	161.17	1372.00
Hempstead Lake	12493.4*	Max WS	44.08	44.08	0.00	0.00		330.86	8847.10	157.82	1359.03
Hempstead Lake	12486.0*	Max WS	44.08	44.08	0.00	0.00		347.51	8834.60	153.67	1346.19
Hempstead Lake	12478.5*	Max WS	44.08	44.08	0.00	0.00		359.81	8827.10	148.88	1333.22
Hempstead Lake	12471.1*	Max WS	44.08	44.08	0.00	0.00		371.22	8820.98	143.58	1320.39
Hempstead Lake	12463.7*	Max WS	44.08	44.08	0.00	0.00		386.93	8811.14	137.70	1307.42
Hempstead Lake	12456.2*	Max WS	44.08	44.08	0.00	0.00		397.36	8806.95	131.46	1294.59
Hempstead Lake	12448.8*	Max WS	44.08	44.08	0.00	0.00		406.97	8804.07	124.72	1281.62
Hempstead Lake	12441.3*	Max WS	44.08	44.08	0.00	0.00		421.48	8796.49	117.79	1268.80
Hempstead Lake	12433.9*	Max WS	44.08	44.08	0.00	0.00		436.96	8786.96	112.40	1255.83
Hempstead Lake	12426.4*	Max WS	44.08	44.08	0.00	0.00		444.46	8786.49	104.81	1243.10
Hempstead Lake	12419.0*	Max WS	44.08	44.08	0.00	0.00		457.12	8781.67	96.97	1230.14
Hempstead Lake	12411.5*	Max WS	44.08	44.08	0.00	0.00		463.22	8783.34	89.19	1217.35
Hempstead Lake	12404.1*	Max WS	44.08	44.08	0.00	0.00		468.46	8785.82	81.47	1204.57
Hempstead Lake	12396.6*	Max WS	44.08	44.08	0.00	0.00		472.67	8789.35	73.73	1191.63
Hempstead Lake	12389.2*	Max WS	44.08	44.08	0.00	0.00		482.87	8787.02	66.02	1178.88
Hempstead Lake	12381.8*	Max WS	44.08	44.08	0.00	0.00		489.78	8786.82	59.13	1165.95
Hempstead Lake	12374.3*	Max WS	44.08	44.08	0.00	0.00		490.53	8793.48	51.72	1153.25
Hempstead Lake	12366.9*	Max WS	44.08	44.08	0.00	0.00		497.69	8793.52	44.52	1140.35
Hempstead Lake	12359.46	Max WS	44.08	44.08	0.00	0.00		224.46	9094.20	17.07	1127.64
Hempstead Lake	12350.7*	Max WS	44.08	44.08	0.00	0.00		521.46	9156.40	40.63	1116.89
Hempstead Lake	12342.0*	Max WS	44.08	44.08	0.00	0.00		525.60	9150.75	42.14	1105.84
Hempstead Lake	12333.3*	Max WS	44.08	44.08	0.00	0.00		529.38	9145.44	43.67	1094.86
Hempstead Lake	12324.7*	Max WS	44.08	44.08	0.00	0.00		525.95	9147.24	45.29	1083.45
Hempstead Lake	12316.0*	Max WS	44.08	44.08	0.00	0.00		529.98	9141.38	47.13	1071.87
Hempstead Lake	12307.3*	Max WS	44.08	44.08	0.00	0.00		533.77	9135.78	48.93	1060.42
Hempstead Lake	12298.6*	Max WS	44.08	44.08	0.00	0.00		537.51	9130.71	50.92	1048.49
Hempstead Lake	12289.9*	Max WS	44.08	44.08	0.00	0.00		536.41	9130.07	52.59	1036.78
Hempstead Lake	12281.2*	Max WS	44.08	44.08	0.00	0.00		539.82	9124.02	54.63	1024.77
Hempstead Lake	12272.5*	Max WS	44.08	44.08	0.00	0.00		536.18	9125.36	56.93	1012.64
Hempstead Lake	12263.8*	Max WS	44.08	44.08	0.01	0.00		539.43	9119.78	59.26	1000.05
Hempstead Lake	12255.1*	Max WS	44.08	44.07	0.01	0.00		542.35	9114.43	61.69	987.43
Hempstead Lake	12246.4*	Max WS	44.08	44.07	0.01	0.00		545.20	9108.95	64.30	974.44
Hempstead Lake	12237.7*	Max WS	44.08	44.07	0.01	0.00		547.52	9104.21	66.94	961.61
Hempstead Lake	12229.1*	Max WS	44.08	44.07	0.01	0.00		550.10	9098.79	69.71	948.44
Hempstead Lake	12220.4*	Max WS	44.08	44.07	0.01	0.00		545.97	9100.06	72.50	935.20
Hempstead Lake	12211.7*	Max WS	44.08	44.07	0.01	0.00		548.17	9094.78	75.52	922.03
Hempstead Lake	12203.0*	Max WS	44.08	44.07	0.01	0.00		550.03	9089.97	78.41	908.60
Hempstead Lake	12194.3*	Max WS	44.08	44.07	0.01	0.00		551.43	9085.68	81.35	895.20
Hempstead Lake	12185.6*	Max WS	44.08	44.07	0.01	0.00		552.82	9081.03	84.61	881.42
Hempstead Lake	12176.9*	Max WS	44.08	44.07	0.01	0.00		554.15	9076.58	87.73	867.70
Hempstead Lake	12168.2*	Max WS	44.08	44.07	0.01	0.00		544.50	9083.35	90.33	853.94
Hempstead Lake	12159.5*	Max WS	44.08	44.07	0.01	0.00		545.15	9079.32	93.64	840.04
Hempstead Lake	12150.8*	Max WS	44.08	44.07	0.01	0.00		545.29	9075.74	97.04	826.04

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	44.08	44.07	0.01	0.00		504.38	9121.18	92.90	812.04
Hempstead Lake	12133.5*	Max WS	44.08	44.07	0.01	0.00		501.15	9121.24	95.56	798.00
Hempstead Lake	12124.8*	Max WS	44.08	44.07	0.01	0.00		497.58	9122.59	98.29	783.80
Hempstead Lake	12116.1*	Max WS	44.08	44.07	0.01	0.00		488.79	9128.15	100.91	769.48
Hempstead Lake	12107.4*	Max WS	44.08	44.07	0.01	0.00		484.02	9130.03	103.75	754.80
Hempstead Lake	12098.7*	Max WS	44.08	44.07	0.01	0.00		478.75	9132.52	106.48	739.79
Hempstead Lake	12090.0*	Max WS	44.08	44.06	0.01	0.00		473.30	9135.23	109.18	724.82
Hempstead Lake	12081.3*	Max WS	44.08	44.06	0.01	0.00		467.24	9138.35	112.07	709.62
Hempstead Lake	12072.6*	Max WS	44.08	44.06	0.01	0.00		460.75	9142.25	114.61	694.33
Hempstead Lake	12063.9*	Max WS	44.08	44.06	0.02	0.00		449.33	9150.88	117.36	678.95
Hempstead Lake	12055.2*	Max WS	44.08	44.06	0.02	0.00		432.49	9167.55	117.49	663.45
Hempstead Lake	12046.5*	Max WS	44.08	44.06	0.02	0.00		424.24	9173.46	119.78	647.86
Hempstead Lake	12037.9*	Max WS	44.08	44.06	0.02	0.00		415.25	9180.18	122.02	632.19
Hempstead Lake	12029.2*	Max WS	44.08	44.06	0.02	0.00		405.59	9187.73	124.09	616.43
Hempstead Lake	12020.5*	Max WS	44.08	44.06	0.02	0.00		395.39	9195.82	126.16	600.47
Hempstead Lake	12011.8*	Max WS	44.08	44.05	0.02	0.00		380.78	9208.60	127.95	584.32
Hempstead Lake	12003.1*	Max WS	44.08	44.05	0.02	0.00		369.25	9218.34	129.70	568.15
Hempstead Lake	11994.45	Max WS	44.08	44.05	0.02	0.00		481.81	9020.57	214.88	551.77
Hempstead Lake	11989.45	Max WS	44.07	44.05	0.03			534.71	9331.64	234.90	551.67
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	39.56	38.94	0.62	0.00			3709.52		468.79
Hempstead Lake	11964.45	Max WS	40.22	40.17	0.06	0.00		513.12	9448.99	112.39	488.01
Hempstead Lake	11954.6*	Max WS	40.22	40.16	0.06	0.00		316.55	9669.29	88.45	496.06
Hempstead Lake	11944.8*	Max WS	40.22	40.16	0.06	0.00		328.03	9647.13	98.93	505.16
Hempstead Lake	11934.9*	Max WS	40.22	40.16	0.06	0.00		337.57	9625.27	111.08	516.38
Hempstead Lake	11925.1*	Max WS	40.22	40.16	0.07	0.00		348.11	9598.95	126.69	527.82
Hempstead Lake	11915.3*	Max WS	40.22	40.16	0.07	0.00		438.71	9455.88	179.01	539.68
Hempstead Lake	11905.5*	Max WS	40.22	40.15	0.07	0.00		443.28	9425.02	205.17	550.78
Hempstead Lake	11895.6*	Max WS	40.22	40.15	0.07	0.00		447.41	9388.72	237.23	562.45
Hempstead Lake	11885.8*	Max WS	40.22	40.15	0.07	0.00		450.26	9350.44	274.87	574.83
Hempstead Lake	11876.0*	Max WS	40.21	40.14	0.07	0.00		452.56	9302.29	320.67	587.25
Hempstead Lake	11866.2*	Max WS	40.21	40.14	0.07	0.00		452.88	9248.80	373.78	600.32
Hempstead Lake	11856.4*	Max WS	40.21	40.14	0.07	0.00		451.84	9177.69	445.80	604.50
Hempstead Lake	11846.5*	Max WS	40.21	40.14	0.07	0.00		450.59	9096.07	528.49	606.16
Hempstead Lake	11836.7*	Max WS	40.21	40.13	0.07	0.00		447.16	9009.20	618.55	607.82
Hempstead Lake	11826.9*	Max WS	40.21	40.13	0.08	0.00		391.47	9050.57	632.57	609.47
Hempstead Lake	11817.1*	Max WS	40.21	40.13	0.08	0.00		389.66	8953.75	730.82	611.13
Hempstead Lake	11807.2*	Max WS	40.20	40.13	0.08	0.00		386.56	8851.33	835.88	612.78
Hempstead Lake	11797.46	Max WS	40.20	40.12	0.08	0.00		311.09	8814.21	947.89	614.44
Hempstead Lake	11792.46	Max WS	40.20	40.12	0.08			322.06	8892.17	858.56	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	38.84	38.62	0.22	0.00		499.96	9405.52	195.66	614.44
Hempstead Lake	11627.46	Max WS	38.83	38.63	0.21	0.01		484.99	9467.20	148.94	614.44
Hempstead Lake	11623.2*	Max WS	38.82	38.66	0.17	0.01		782.36	8967.00	351.78	645.38
Hempstead Lake	11619.1*	Max WS	38.81	38.67	0.15	0.00		804.27	8873.71	423.17	676.31
Hempstead Lake	11614.94	Max WS	38.81	38.66	0.15	0.00		515.56	9299.50	286.07	707.25
Hempstead Lake	11612.94	Max WS	38.81	38.66	0.15			509.58	9320.50	271.05	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	36.81	35.90	0.92	0.00			4029.52		688.60
Hempstead Lake	11598.94	Max WS	36.46	36.41	0.06	0.00		96.00	3916.66	22.01	699.71
Hempstead Lake	11573.9*	Max WS	36.46	36.42	0.03	0.00		135.69	3892.37	10.76	774.33
Hempstead Lake	11548.9*	Max WS	36.45	36.43	0.02	0.00		201.18	3828.81	7.07	849.23
Hempstead Lake	11523.9*	Max WS	36.45	36.44	0.01	0.00		291.07	3739.07	5.13	923.95
Hempstead Lake	11498.9*	Max WS	36.45	36.44	0.01	0.00		405.84	3623.69	3.90	1000.16
Hempstead Lake	11473.9*	Max WS	36.45	36.44	0.01	0.00		550.64	3477.87	3.01	1077.53
Hempstead Lake	11448.9*	Max WS	36.45	36.44	0.01	0.00		702.73	3324.45	2.33	1155.46
Hempstead Lake	11423.9*	Max WS	36.45	36.44	0.00	0.00		864.46	3161.16	1.80	1233.79
Hempstead Lake	11398.9*	Max WS	36.45	36.45	0.00	0.00		1047.56	2976.28	1.38	1312.39
Hempstead Lake	11373.9*	Max WS	36.45	36.45	0.00	0.00		1219.32	2802.58	1.04	1390.66
Hempstead Lake	11349.*	Max WS	36.45	36.45	0.00	0.00		1390.63	2629.15	0.78	1462.56
Hempstead Lake	11324.*	Max WS	36.45	36.45	0.00	0.00		1592.91	2424.60	0.58	1534.36
Hempstead Lake	11299.0*	Max WS	36.45	36.45	0.00	0.00		1758.10	2256.97	0.43	1606.54
Hempstead Lake	11274.0*	Max WS	36.45	36.45	0.00	0.00		1917.56	2094.95	0.32	1679.40
Hempstead Lake	11249.0*	Max WS	36.45	36.45	0.00	0.00		2094.38	1915.47	0.24	1751.54
Hempstead Lake	11224.0*	Max WS	36.45	36.45	0.00	0.00		2240.10	1766.96	0.17	1823.78
Hempstead Lake	11199.0*	Max WS	36.45	36.45	0.00	0.00		2377.35	1626.81	0.13	1896.46
Hempstead Lake	11174.0*	Max WS	36.45	36.45	0.00	0.00		2506.51	1494.67	0.09	1969.32
Hempstead Lake	11149.0*	Max WS	36.45	36.45	0.00	0.00		2653.49	1344.65	0.07	1976.61
Hempstead Lake	11124.0*	Max WS	36.45	36.45	0.00	0.00		2766.02	1229.03	0.05	2036.45
Hempstead Lake	11099.0*	Max WS	36.45	36.44	0.00	0.00		2870.00	1121.87	0.03	2100.87
Hempstead Lake	11074.0*	Max WS	36.45	36.44	0.00	0.00		2990.14	998.46	0.02	2165.08
Hempstead Lake	11049.07	Max WS	36.45	36.44	0.00	0.00		2298.67	1686.54	0.01	2229.84

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	36.45	36.44	0.00	0.00		2996.16	987.04	0.01	2201.16
Hempstead Lake	11027.7*	Max WS	36.44	36.44	0.00	0.00		2936.83	1044.41	0.01	2175.48
Hempstead Lake	11017.0*	Max WS	36.44	36.44	0.00	0.00		2849.23	1130.05	0.01	2149.74
Hempstead Lake	11006.4*	Max WS	36.44	36.44	0.00	0.00		2756.78	1220.57	0.01	2124.11
Hempstead Lake	10995.7*	Max WS	36.44	36.44	0.00	0.00		2685.88	1289.56	0.00	2098.43
Hempstead Lake	10985.0*	Max WS	36.44	36.44	0.00	0.00		2584.51	1389.05	0.00	2072.79
Hempstead Lake	10974.4*	Max WS	36.44	36.44	0.00	0.00		2505.75	1465.95	0.00	2047.34
Hempstead Lake	10963.7*	Max WS	36.44	36.44	0.00	0.00		2396.10	1573.76	0.00	2023.42
Hempstead Lake	10953.1*	Max WS	36.44	36.44	0.00	0.00		2282.67	1685.38	0.00	1999.67
Hempstead Lake	10942.4*	Max WS	36.44	36.44	0.00	0.00		2192.41	1773.85	0.00	1975.96
Hempstead Lake	10931.7*	Max WS	36.44	36.44	0.00	0.00		2072.57	1891.95	0.00	1926.10
Hempstead Lake	10921.1*	Max WS	36.44	36.44	0.00	0.00		1951.31	2011.55	0.00	1822.39
Hempstead Lake	10910.4*	Max WS	36.44	36.44	0.00	0.00		1854.07	2107.16	0.00	1747.52
Hempstead Lake	10899.7*	Max WS	36.44	36.44	0.00	0.00		1728.34	2231.30		1727.84
Hempstead Lake	10889.1*	Max WS	36.44	36.44	0.00	0.00		1602.62	2355.46		1708.32
Hempstead Lake	10878.4*	Max WS	36.44	36.44	0.00	0.00		1500.57	2455.96		1689.02
Hempstead Lake	10867.8*	Max WS	36.44	36.44	0.00	0.00		1375.38	2579.63		1669.78
Hempstead Lake	10857.1*	Max WS	36.44	36.44	0.00	0.00		1273.64	2679.88		1650.87
Hempstead Lake	10846.4*	Max WS	36.44	36.44	0.00	0.00		1152.94	2799.12		1631.84
Hempstead Lake	10835.8*	Max WS	36.44	36.44	0.00	0.00		1036.30	2914.31		1612.84
Hempstead Lake	10825.1*	Max WS	36.44	36.44	0.00	0.00		940.73	3008.45		1594.14
Hempstead Lake	10814.4*	Max WS	36.44	36.44	0.00	0.00		832.95	3114.84		1575.32
Hempstead Lake	10803.8*	Max WS	36.44	36.44	0.00	0.00		731.16	3215.26		1556.65
Hempstead Lake	10793.1*	Max WS	36.44	36.44	0.00	0.00		648.03	3297.06		1538.00
Hempstead Lake	10782.4*	Max WS	36.44	36.44	0.00	0.00		558.62	3385.15		1519.42
Hempstead Lake	10771.8*	Max WS	36.44	36.44	0.00	0.00		478.21	3464.29		1501.04
Hempstead Lake	10761.1*	Max WS	36.44	36.44	0.00	0.00		415.01	3526.23		1482.65
Hempstead Lake	10750.5*	Max WS	36.44	36.44	0.00	0.00		349.96	3590.05		1464.37
Hempstead Lake	10739.8*	Max WS	36.44	36.44	0.00	0.00		291.89	3646.92		1446.15
Hempstead Lake	10729.1*	Max WS	36.44	36.44	0.00	0.00		245.40	3692.24		1428.00
Hempstead Lake	10718.5*	Max WS	36.44	36.44	0.00	0.00		200.04	3736.47		1409.98
Hempstead Lake	10707.8*	Max WS	36.44	36.43	0.00	0.00		163.77	3771.62		1392.15
Hempstead Lake	10697.1*	Max WS	36.44	36.43	0.00	0.00		129.63	3804.68		1374.27
Hempstead Lake	10686.5*	Max WS	36.43	36.43	0.00	0.00		100.86	3832.38		1356.60
Hempstead Lake	10675.8*	Max WS	36.43	36.43	0.00	0.00		78.36	3853.84		1338.94
Hempstead Lake	10665.2*	Max WS	36.43	36.43	0.00	0.00		58.46	3872.74		1320.90
Hempstead Lake	10654.5*	Max WS	36.43	36.43	0.00	0.00		42.49	3887.73		1302.98
Hempstead Lake	10643.8*	Max WS	36.43	36.43	0.00	0.00		30.44	3898.81		1285.45
Hempstead Lake	10633.2*	Max WS	36.43	36.43	0.00	0.00		20.51	3907.80		1268.28
Hempstead Lake	10622.5*	Max WS	36.43	36.43	0.00	0.00		13.10	3914.30		1251.29
Hempstead Lake	10611.8*	Max WS	36.43	36.43	0.00	0.00		7.91	3918.60		1234.83
Hempstead Lake	10601.2*	Max WS	36.43	36.43	0.00	0.00		4.22	3921.43		1218.68
Hempstead Lake	10590.5*	Max WS	36.43	36.43	0.00	0.00		1.92	3922.88		1203.10
Hempstead Lake	10579.8*	Max WS	36.43	36.43	0.00	0.00		0.61	3923.36		1187.78
Hempstead Lake	10569.23	Max WS	36.43	36.43	0.00	0.00		0.04	3923.13		1172.63
Hempstead Lake	10549.1*	Max WS	36.43	36.43	0.00	0.00		0.03	3922.33		1169.44
Hempstead Lake	10529.0*	Max WS	36.43	36.43	0.00	0.00		0.03	3921.55		1166.13
Hempstead Lake	10508.9*	Max WS	36.43	36.42	0.00	0.00		0.02	3920.79		1162.86
Hempstead Lake	10488.7*	Max WS	36.43	36.42	0.00	0.00		0.02	3920.04		1159.45
Hempstead Lake	10468.6*	Max WS	36.42	36.42	0.00	0.00		0.01	3919.32		1155.93
Hempstead Lake	10448.5*	Max WS	36.42	36.42	0.00	0.00		0.01	3918.62		1152.44
Hempstead Lake	10428.4*	Max WS	36.42	36.42	0.00	0.00		0.01	3917.93		1148.87
Hempstead Lake	10408.3*	Max WS	36.42	36.42	0.00	0.00		0.00	3917.27		1145.16
Hempstead Lake	10388.2*	Max WS	36.42	36.42	0.00	0.00		0.00	3916.62		1141.61
Hempstead Lake	10368.1*	Max WS	36.42	36.42	0.00	0.00		0.00	3915.99		1137.24
Hempstead Lake	10348.0*	Max WS	36.42	36.42	0.00	0.00		0.00	3915.38		1132.86
Hempstead Lake	10327.9*	Max WS	36.42	36.42	0.00	0.00			3914.79		1127.92
Hempstead Lake	10307.8*	Max WS	36.42	36.42	0.00	0.00			3914.22		1122.50
Hempstead Lake	10287.7*	Max WS	36.42	36.42	0.00	0.00			3913.66		1117.46
Hempstead Lake	10267.6*	Max WS	36.42	36.42	0.00	0.00			3913.13		1112.75
Hempstead Lake	10247.4*	Max WS	36.42	36.42	0.00	0.00			3912.63		1108.12
Hempstead Lake	10227.3*	Max WS	36.42	36.41	0.00	0.00			3912.14		1104.34
Hempstead Lake	10207.2*	Max WS	36.42	36.41	0.00	0.00			3911.67		1101.94
Hempstead Lake	10187.1*	Max WS	36.41	36.41	0.00	0.00			3911.23		1099.48
Hempstead Lake	10167.0*	Max WS	36.41	36.41	0.00	0.00		0.00	3910.80		1097.60
Hempstead Lake	10146.9*	Max WS	36.41	36.41	0.00	0.00		0.00	3910.39		1128.41
Hempstead Lake	10126.8*	Max WS	36.41	36.41	0.00	0.00		0.06	3909.94		1169.79
Hempstead Lake	10106.7*	Max WS	36.41	36.41	0.00	0.00		0.19	3909.41		1179.21
Hempstead Lake	10086.6*	Max WS	36.41	36.41	0.00	0.00		0.41	3908.82		1189.61
Hempstead Lake	10066.5*	Max WS	36.41	36.41	0.00	0.00		0.70	3908.16	0.00	1200.78
Hempstead Lake	10046.4*	Max WS	36.41	36.41	0.00	0.00		1.13	3907.39	0.00	1212.93
Hempstead Lake	10026.2*	Max WS	36.41	36.41	0.00	0.00		1.63	3906.57	0.00	1224.40

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	36.41	36.41	0.00	0.00		2.23	3905.66	0.00	1235.04
Hempstead Lake	9986.073	Max WS	36.41	36.41	0.00	0.00		2.62	3904.98	0.01	1245.31
Hempstead Lake	9965.77*	Max WS	36.41	36.40	0.00	0.00		2.43	3904.90	0.01	1244.98
Hempstead Lake	9945.47*	Max WS	36.40	36.40	0.00	0.00		2.15	3904.93	0.03	1243.51
Hempstead Lake	9925.18*	Max WS	36.40	36.40	0.00	0.00		1.87	3904.96	0.06	1242.03
Hempstead Lake	9904.88*	Max WS	36.40	36.40	0.00	0.00		1.61	3905.00	0.09	1242.90
Hempstead Lake	9884.59*	Max WS	36.40	36.40	0.00	0.00		1.35	3905.05	0.13	1242.98
Hempstead Lake	9864.29*	Max WS	36.40	36.40	0.00	0.00		1.11	3905.09	0.19	1240.75
Hempstead Lake	9843.99*	Max WS	36.40	36.40	0.00	0.00		0.89	3905.14	0.25	1237.36
Hempstead Lake	9823.7*	Max WS	36.40	36.40	0.00	0.00		0.68	3905.19	0.33	1233.13
Hempstead Lake	9803.40*	Max WS	36.40	36.40	0.00	0.00		0.51	3905.21	0.42	1227.49
Hempstead Lake	9783.10*	Max WS	36.40	36.40	0.00	0.00		0.37	3905.21	0.53	1220.71
Hempstead Lake	9762.81*	Max WS	36.40	36.40	0.00	0.00		0.24	3635.39	0.60	1212.63
Hempstead Lake	9742.51*	Max WS	36.40	36.40	0.00	0.00		0.18	3633.49	0.74	1189.03
Hempstead Lake	9722.21*	Max WS	36.40	36.39	0.00	0.00		0.20	3631.54	0.90	1123.26
Hempstead Lake	9701.92*	Max WS	36.39	36.39	0.00	0.00		0.23	3629.60	1.07	1102.47
Hempstead Lake	9681.62*	Max WS	36.39	36.39	0.00	0.00		0.28	3627.74	1.25	1079.08
Hempstead Lake	9661.32*	Max WS	36.39	36.39	0.00	0.00		0.36	3625.96	1.44	1054.37
Hempstead Lake	9641.03*	Max WS	36.39	36.39	0.00	0.00		0.44	3624.22	1.65	1051.23
Hempstead Lake	9620.73*	Max WS	36.39	36.39	0.00	0.00		0.53	3622.51	1.88	1048.61
Hempstead Lake	9600.43*	Max WS	36.39	36.39	0.00	0.00		0.61	3620.85	2.13	1047.83
Hempstead Lake	9580.14*	Max WS	36.39	36.39	0.00	0.00		0.68	3619.30	2.32	1046.32
Hempstead Lake	9559.84*	Max WS	36.39	36.39	0.00	0.00		0.80	3617.68	2.59	1043.18
Hempstead Lake	9539.54*	Max WS	36.39	36.39	0.00	0.00		0.92	3616.07	2.88	1040.48
Hempstead Lake	9519.25*	Max WS	36.39	36.39	0.00	0.00		1.08	3614.47	3.18	1038.43
Hempstead Lake	9498.95*	Max WS	36.38	36.38	0.00	0.00		1.24	3612.89	3.50	1036.50
Hempstead Lake	9478.65*	Max WS	36.38	36.38	0.00	0.00		1.41	3611.34	3.82	1034.45
Hempstead Lake	9458.36*	Max WS	36.38	36.38	0.00	0.00		1.60	3609.80	4.18	1032.22
Hempstead Lake	9438.06*	Max WS	36.38	36.38	0.00	0.00		1.81	3608.27	4.55	1029.92
Hempstead Lake	9417.76*	Max WS	36.38	36.38	0.00	0.00		2.02	3606.75	4.95	1027.75
Hempstead Lake	9397.47*	Max WS	36.38	36.38	0.00	0.00		2.26	3605.26	5.35	1025.55
Hempstead Lake	9377.17*	Max WS	36.38	36.38	0.00	0.00		2.51	3603.79	5.78	1023.33
Hempstead Lake	9356.87*	Max WS	36.38	36.38	0.00	0.00		2.78	3602.34	6.23	1021.18
Hempstead Lake	9336.58*	Max WS	36.38	36.38	0.00	0.00		3.06	3600.88	6.70	1018.92
Hempstead Lake	9316.28*	Max WS	36.38	36.38	0.00	0.00		3.37	3599.44	7.18	1016.45
Hempstead Lake	9295.98*	Max WS	36.38	36.37	0.00	0.00		3.68	3598.01	7.71	1014.24
Hempstead Lake	9275.69*	Max WS	36.37	36.37	0.00	0.00		4.02	3596.60	8.22	1011.92
Hempstead Lake	9255.39*	Max WS	36.37	36.37	0.00	0.00		4.38	3595.18	8.79	1009.70
Hempstead Lake	9235.09*	Max WS	36.37	36.37	0.00	0.00		4.76	3593.79	9.37	1007.33
Hempstead Lake	9214.80*	Max WS	36.37	36.37	0.00	0.00		5.16	3592.39	9.98	1005.12
Hempstead Lake	9194.50*	Max WS	36.37	36.37	0.00	0.00		5.57	3591.04	10.59	1002.62
Hempstead Lake	9174.20*	Max WS	36.37	36.37	0.00	0.00		6.00	3589.67	11.25	1000.76
Hempstead Lake	9153.910	Max WS	36.37	36.37	0.00	0.00		6.49	3589.89	10.30	998.58
Hempstead Lake	9133.22*	Max WS	36.37	36.37	0.00	0.00		6.60	3753.32	10.51	1005.65
Hempstead Lake	9112.54*	Max WS	36.37	36.36	0.00	0.00		6.45	3753.57	10.29	1012.89
Hempstead Lake	9091.85*	Max WS	36.36	36.36	0.00	0.00		6.33	3753.84	10.09	1020.25
Hempstead Lake	9071.17*	Max WS	36.36	36.36	0.00	0.00		5.68	3445.22	9.08	1027.76
Hempstead Lake	9050.49*	Max WS	36.36	36.36	0.00	0.00		5.56	3444.72	8.89	1035.35
Hempstead Lake	9029.80*	Max WS	36.36	36.36	0.00	0.00		5.44	3444.29	8.71	1043.03
Hempstead Lake	9009.12*	Max WS	36.36	36.36	0.00	0.00		5.33	3443.92	8.53	1050.89
Hempstead Lake	8988.44*	Max WS	36.36	36.36	0.00	0.00		5.21	3443.65	8.34	1058.86
Hempstead Lake	8967.75*	Max WS	36.36	36.36	0.00	0.00		5.12	3443.43	8.14	1067.02
Hempstead Lake	8947.07*	Max WS	36.36	36.36	0.00	0.00		5.01	3443.29	7.97	1075.35
Hempstead Lake	8926.39*	Max WS	36.36	36.36	0.00	0.00		4.91	3443.26	7.77	1084.02
Hempstead Lake	8905.70*	Max WS	36.35	36.35	0.00	0.00		4.97	3442.87	7.84	1092.64
Hempstead Lake	8885.02*	Max WS	36.35	36.35	0.00	0.00		4.88	3442.97	7.66	1101.69
Hempstead Lake	8864.33*	Max WS	36.35	36.35	0.00	0.00		4.79	3443.17	7.47	1110.98
Hempstead Lake	8843.65*	Max WS	36.35	36.35	0.00	0.00		4.29	3134.24	6.62	1120.65
Hempstead Lake	8822.97*	Max WS	36.35	36.35	0.00	0.00		4.21	3133.97	6.45	1130.72
Hempstead Lake	8802.28*	Max WS	36.35	36.35	0.00	0.00		3.94	3134.03	6.28	1151.92
Hempstead Lake	8781.60*	Max WS	36.35	36.35	0.00	0.00		3.71	3134.16	6.10	1178.32
Hempstead Lake	8760.92*	Max WS	36.35	36.35	0.00	0.00		3.51	3134.35	5.94	1209.87
Hempstead Lake	8740.23*	Max WS	36.35	36.35	0.00	0.00		3.04	2835.49	5.22	1247.16
Hempstead Lake	8719.55*	Max WS	36.35	36.35	0.00	0.00		2.87	2835.39	5.06	1313.35
Hempstead Lake	8698.86*	Max WS	36.34	36.34	0.00	0.00		3.03	2835.09	4.91	1349.91
Hempstead Lake	8678.18*	Max WS	36.34	36.34	0.00	0.00		3.19	2834.95	4.76	1402.52
Hempstead Lake	8657.50*	Max WS	36.34	36.34	0.00	0.00		3.08	2551.10	4.15	1456.34
Hempstead Lake	8636.81*	Max WS	36.34	36.34	0.00	0.00		3.48	2550.51	4.01	1491.29
Hempstead Lake	8616.13*	Max WS	36.34	36.34	0.00	0.00		4.01	2550.01	3.87	1511.18
Hempstead Lake	8595.45*	Max WS	36.34	36.34	0.00	0.00		4.07	2285.63	3.35	1537.89
Hempstead Lake	8574.76*	Max WS	36.34	36.34	0.00	0.00		4.60	2284.97	3.23	1562.37
Hempstead Lake	8554.08*	Max WS	36.34	36.34	0.00	0.00		16.99	7516.45	10.24	1586.27

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	36.34	36.34	0.00	0.00		19.08	7513.09	9.87	1608.88
Hempstead Lake	8512.71*	Max WS	36.34	36.34	0.00	0.00		21.29	7509.42	9.46	1631.59
Hempstead Lake	8492.03*	Max WS	36.34	36.34	0.00	0.00		23.70	7505.30	9.08	1653.24
Hempstead Lake	8471.34*	Max WS	36.34	36.34	0.00	0.00		26.27	7500.75	8.72	1673.51
Hempstead Lake	8450.66*	Max WS	36.34	36.34	0.00	0.00		28.97	7495.85	8.33	1693.59
Hempstead Lake	8429.980	Max WS	36.34	36.34	0.00	0.00		31.33	7491.22	7.82	1712.42
Hempstead Lake	8416.34*	Max WS	36.34	36.34	0.00	0.00		30.62	7489.99	7.83	1720.98
Hempstead Lake	8402.71*	Max WS	36.34	36.34	0.00	0.00		29.93	7488.65	7.85	1729.95
Hempstead Lake	8389.07*	Max WS	36.34	36.34	0.00	0.00		28.70	7363.53	7.71	1738.93
Hempstead Lake	8375.44*	Max WS	36.34	36.34	0.00	0.00		28.04	7364.01	7.72	1748.85
Hempstead Lake	8361.81*	Max WS	36.34	36.34	0.00	0.00		27.36	7364.40	7.73	1760.03
Hempstead Lake	8348.17*	Max WS	36.35	36.34	0.00	0.00		26.72	7364.63	7.74	1772.41
Hempstead Lake	8334.54*	Max WS	36.35	36.34	0.00	0.00		26.05	7364.77	7.77	1783.46
Hempstead Lake	8320.91*	Max WS	36.35	36.34	0.00	0.00		25.47	7364.73	7.76	1795.52
Hempstead Lake	8307.27*	Max WS	36.35	36.34	0.00	0.00		24.88	7364.57	7.77	1808.46
Hempstead Lake	8293.64*	Max WS	36.35	36.34	0.00	0.00		24.31	7364.28	7.79	1821.05
Hempstead Lake	8280.00*	Max WS	36.35	36.34	0.00	0.00		23.78	7363.84	7.79	1833.65
Hempstead Lake	8266.37*	Max WS	36.35	36.34	0.00	0.00		23.28	7363.27	7.80	1846.45
Hempstead Lake	8252.74*	Max WS	36.35	36.34	0.00	0.00		22.77	7362.60	7.82	1859.16
Hempstead Lake	8239.10*	Max WS	36.35	36.34	0.00	0.00		22.31	7361.79	7.82	1873.78
Hempstead Lake	8225.47*	Max WS	36.35	36.34	0.00	0.00		21.78	7360.94	7.82	1892.63
Hempstead Lake	8211.84*	Max WS	36.35	36.34	0.00	0.00		21.27	7359.95	7.84	1913.65
Hempstead Lake	8198.20*	Max WS	36.35	36.34	0.00	0.00		20.80	7358.87	7.84	1932.66
Hempstead Lake	8184.57*	Max WS	36.35	36.34	0.00	0.00		20.30	7357.68	7.86	1958.80
Hempstead Lake	8170.93*	Max WS	36.35	36.34	0.00	0.00		19.87	7356.35	7.86	1984.00
Hempstead Lake	8157.30*	Max WS	36.35	36.34	0.00	0.00		19.68	7354.68	7.87	1998.80
Hempstead Lake	8143.67*	Max WS	36.35	36.35	0.00	0.00		19.49	7352.87	7.89	2015.39
Hempstead Lake	8130.03*	Max WS	36.35	36.35	0.00	0.00		19.27	7351.00	7.89	2032.92
Hempstead Lake	8116.40*	Max WS	36.35	36.35	0.00	0.00		18.81	7227.95	7.76	2051.13
Hempstead Lake	8102.76*	Max WS	36.35	36.35	0.00	0.00		18.66	7227.88	7.78	2069.57
Hempstead Lake	8089.13*	Max WS	36.35	36.35	0.00	0.00		18.55	7227.65	7.79	2098.53
Hempstead Lake	8075.50*	Max WS	36.35	36.35	0.00	0.00		18.47	7227.29	7.78	2129.94
Hempstead Lake	8061.86*	Max WS	36.35	36.35	0.00	0.00		18.11	7227.03	7.80	2195.76
Hempstead Lake	8048.23*	Max WS	36.35	36.35	0.00	0.00		18.12	7226.31	7.80	2257.03
Hempstead Lake	8034.6*	Max WS	36.35	36.35	0.00	0.00		18.19	7225.39	7.82	2317.57
Hempstead Lake	8020.96*	Max WS	36.35	36.35	0.00	0.00		20.88	7221.75	7.83	2340.94
Hempstead Lake	8007.33*	Max WS	36.35	36.35	0.00	0.00		21.53	7220.03	7.83	2354.67
Hempstead Lake	7993.69*	Max WS	36.35	36.35	0.00	0.00		22.13	7218.17	7.83	2380.30
Hempstead Lake	7980.06*	Max WS	36.35	36.35	0.00	0.00		22.79	7216.07	7.82	2407.99
Hempstead Lake	7966.43*	Max WS	36.35	36.35	0.00	0.00		23.52	7213.74	7.80	2436.82
Hempstead Lake	7952.79*	Max WS	36.35	36.35	0.00	0.00		24.31	7211.14	7.81	2482.81
Hempstead Lake	7939.16*	Max WS	36.35	36.35	0.00	0.00		22.44	7211.02	7.80	2995.72
Hempstead Lake	7925.53*	Max WS	36.35	36.35	0.00	0.00		24.24	7207.04	7.79	2995.96
Hempstead Lake	7911.89*	Max WS	36.35	36.35	0.00	0.00		26.18	7202.77	7.78	2997.27
Hempstead Lake	7898.26*	Max WS	36.35	36.35	0.00	0.00		28.18	7198.32	7.78	2999.06
Hempstead Lake	7884.62*	Max WS	36.35	36.35	0.00	0.00		29.83	7069.95	7.64	3001.92
Hempstead Lake	7870.99*	Max WS	36.35	36.35	0.00	0.00		32.01	7067.51	7.63	3003.92
Hempstead Lake	7857.36*	Max WS	36.35	36.35	0.00	0.00		34.43	7064.62	7.64	3007.67
Hempstead Lake	7843.72*	Max WS	36.35	36.35	0.00	0.00		36.79	7061.62	7.63	3012.03
Hempstead Lake	7830.09*	Max WS	36.35	36.35	0.00	0.00		39.41	7058.16	7.63	3016.37
Hempstead Lake	7816.45*	Max WS	36.35	36.35	0.00	0.00		42.13	7054.40	7.65	3021.58
Hempstead Lake	7802.82*	Max WS	36.35	36.35	0.00	0.00		44.74	7050.56	7.68	3026.17
Hempstead Lake	7789.19*	Max WS	36.35	36.35	0.00	0.00		47.66	7046.28	7.67	3033.46
Hempstead Lake	7775.55*	Max WS	36.35	36.35	0.00	0.00		50.50	7041.91	7.65	3041.49
Hempstead Lake	7761.92*	Max WS	36.35	36.35	0.00	0.00		53.45	7037.25	7.65	3051.44
Hempstead Lake	7748.29*	Max WS	36.35	36.35	0.00	0.00		56.47	7032.37	7.63	3061.50
Hempstead Lake	7734.65*	Max WS	36.35	36.35	0.00	0.00		58.37	6875.62	7.48	3071.73
Hempstead Lake	7721.02*	Max WS	36.35	36.35	0.00	0.00		61.59	6872.45	7.11	3105.65
Hempstead Lake	7707.38*	Max WS	36.35	36.35	0.00	0.00		64.65	6869.03	6.93	3134.15
Hempstead Lake	7693.75*	Max WS	36.35	36.35	0.00	0.00		67.95	6864.82	7.03	3146.63
Hempstead Lake	7680.12*	Max WS	36.35	36.35	0.00	0.00		71.11	6860.48	7.14	3158.92
Hempstead Lake	7666.48*	Max WS	36.35	36.35	0.00	0.00		74.56	6855.60	7.26	3170.92
Hempstead Lake	7652.85*	Max WS	36.35	36.35	0.00	0.00		77.83	6850.63	7.38	3184.20
Hempstead Lake	7639.22*	Max WS	36.35	36.35	0.00	0.00		81.36	6845.18	7.50	3198.27
Hempstead Lake	7625.58*	Max WS	36.35	36.35	0.00	0.00		82.50	6638.84	7.08	3240.96
Hempstead Lake	7611.95*	Max WS	36.35	36.35	0.00	0.00		85.82	6635.16	6.97	3283.85
Hempstead Lake	7598.31*	Max WS	36.35	36.35	0.00	0.00		89.33	6630.64	7.22	3292.33
Hempstead Lake	7584.68*	Max WS	36.35	36.35	0.00	0.00		92.76	6625.84	7.53	3299.61
Hempstead Lake	7571.05*	Max WS	36.36	36.35	0.00	0.00		96.38	6620.58	7.81	3306.04
Hempstead Lake	7557.41*	Max WS	36.36	36.35	0.00	0.00		99.87	6615.13	8.10	3313.48
Hempstead Lake	7543.783	Max WS	36.36	36.35	0.00	0.00		100.55	6342.27	8.16	3321.00
Hempstead Lake	7530.03*	Max WS	36.36	36.35	0.00	0.00		106.28	6364.31	9.25	3327.73

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	36.36	36.36	0.00	0.00		109.52	6352.10	9.57	3335.19
Hempstead Lake	7502.53*	Max WS	36.36	36.36	0.00	0.00		112.71	6337.05	9.90	3342.35
Hempstead Lake	7488.79*	Max WS	36.36	36.36	0.00	0.00		115.89	6319.57	10.22	3349.80
Hempstead Lake	7475.04*	Max WS	36.36	36.36	0.00	0.00		119.10	6299.88	10.53	3357.36
Hempstead Lake	7461.29*	Max WS	36.36	36.36	0.00	0.00		122.22	6278.38	10.84	3365.29
Hempstead Lake	7447.54*	Max WS	36.36	36.36	0.00	0.00		121.15	6043.96	10.73	3373.71
Hempstead Lake	7433.79*	Max WS	36.36	36.36	0.00	0.00		124.44	6037.69	11.01	3383.84
Hempstead Lake	7420.04*	Max WS	36.36	36.36	0.00	0.00		120.55	5690.24	356.01	5080.17
Hempstead Lake	7406.3*	Max WS	36.36	36.36	0.00	0.00		123.56	5675.62	359.06	5096.87
Hempstead Lake	7392.55*	Max WS	36.36	36.36	0.00	0.00		126.66	5663.11	357.98	5114.44
Hempstead Lake	7378.80*	Max WS	36.36	36.36	0.00	0.00		129.68	5644.75	361.11	5131.77
Hempstead Lake	7365.05*	Max WS	36.36	36.36	0.00	0.00		132.65	5625.02	364.23	5149.35
Hempstead Lake	7351.30*	Max WS	36.36	36.36	0.00	0.00		135.60	5604.04	367.49	5167.53
Hempstead Lake	7337.55*	Max WS	36.36	36.36	0.00	0.00		138.76	5592.83	366.69	5186.47
Hempstead Lake	7323.81*	Max WS	36.36	36.36	0.00	0.00		141.99	5582.89	370.93	5205.50
Hempstead Lake	7310.06*	Max WS	36.36	36.36	0.00	0.00		141.97	5443.75	366.82	5225.61
Hempstead Lake	7296.31*	Max WS	36.36	36.36	0.00	0.00		145.25	5435.58	371.51	5245.79
Hempstead Lake	7282.56*	Max WS	36.36	36.36	0.00	0.00		148.66	5431.90	371.35	5266.75
Hempstead Lake	7268.81*	Max WS	36.36	36.36	0.00	0.00		151.97	5420.76	376.26	5289.19
Hempstead Lake	7255.06*	Max WS	36.36	36.36	0.00	0.00		155.17	5406.90	381.09	5310.93
Hempstead Lake	7241.32*	Max WS	36.36	36.36	0.00	0.00		158.41	5394.65	386.39	5336.13
Hempstead Lake	7227.57*	Max WS	36.36	36.36	0.00	0.00		161.44	5384.77	392.06	5366.02
Hempstead Lake	7213.82*	Max WS	36.36	36.36	0.00	0.00		164.62	5380.14	392.14	5396.82
Hempstead Lake	7200.07*	Max WS	36.36	36.36	0.00	0.00		167.68	5369.50	398.18	5426.97
Hempstead Lake	7186.32*	Max WS	36.36	36.36	0.00	0.00		170.90	5358.38	404.37	5458.37
Hempstead Lake	7172.57*	Max WS	36.36	36.36	0.00	0.00		174.07	5346.85	410.85	5490.11
Hempstead Lake	7158.83*	Max WS	36.36	36.36	0.00	0.00		177.45	5341.29	411.01	5524.77
Hempstead Lake	7145.08*	Max WS	36.36	36.36	0.00	0.00		175.72	5333.67	418.18	5534.86
Hempstead Lake	7131.33*	Max WS	36.36	36.36	0.00	0.00		179.83	5320.11	425.28	5544.77
Hempstead Lake	7117.58*	Max WS	36.36	36.36	0.00	0.00		180.26	5201.22	424.07	5554.55
Hempstead Lake	7103.83*	Max WS	36.36	36.36	0.00	0.00		184.55	5196.28	424.52	5564.33
Hempstead Lake	7090.08*	Max WS	36.36	36.36	0.00	0.00		183.30	5201.45	420.19	5574.27
Hempstead Lake	7076.34*	Max WS	36.36	36.36	0.00	0.00		187.29	5189.08	427.96	5584.05
Hempstead Lake	7062.59*	Max WS	36.36	36.36	0.00	0.00		190.13	5179.69	433.71	5594.00
Hempstead Lake	7048.84*	Max WS	36.36	36.36	0.00	0.00		194.28	5174.07	434.21	5603.80
Hempstead Lake	7035.09*	Max WS	36.36	36.36	0.00	0.00		198.28	5160.45	442.66	5613.61
Hempstead Lake	7021.34*	Max WS	36.36	36.36	0.00	0.00		202.18	5146.32	451.53	5623.33
Hempstead Lake	7007.6*	Max WS	36.36	36.36	0.00	0.00		206.10	5131.63	460.78	5633.14
Hempstead Lake	6993.85*	Max WS	36.36	36.36	0.00	0.00		210.03	5116.33	470.46	5643.11
Hempstead Lake	6980.10*	Max WS	36.36	36.36	0.00	0.00		214.31	5109.55	471.06	5652.94
Hempstead Lake	6966.35*	Max WS	36.36	36.36	0.00	0.00		218.13	5093.56	481.16	5662.78
Hempstead Lake	6952.60*	Max WS	36.36	36.36	0.00	0.00		222.07	5076.86	491.69	5672.77
Hempstead Lake	6938.85*	Max WS	36.36	36.36	0.00	0.00		220.71	4943.29	491.73	5633.51
Hempstead Lake	6925.11*	Max WS	36.36	36.36	0.00	0.00		224.90	4937.27	493.22	5590.23
Hempstead Lake	6911.36*	Max WS	36.36	36.36	0.00	0.00		228.72	4919.38	506.75	5586.51
Hempstead Lake	6897.61*	Max WS	36.36	36.36	0.00	0.00		232.38	4900.66	521.09	5582.89
Hempstead Lake	6883.86*	Max WS	36.36	36.36	0.00	0.00		236.02	4880.80	536.34	5580.36
Hempstead Lake	6870.11*	Max WS	36.36	36.36	0.00	0.00		240.24	4871.82	539.94	5578.06
Hempstead Lake	6856.36*	Max WS	36.36	36.36	0.00	0.00		243.85	4850.55	556.25	5576.21
Hempstead Lake	6842.62*	Max WS	36.36	36.36	0.00	0.00		247.32	4828.22	573.56	5574.91
Hempstead Lake	6828.87*	Max WS	36.36	36.36	0.00	0.00		250.80	4804.56	591.99	5573.44
Hempstead Lake	6815.12*	Max WS	36.36	36.36	0.00	0.00		254.90	4793.86	596.66	5572.54
Hempstead Lake	6801.37*	Max WS	36.36	36.36	0.00	0.00		250.81	4631.68	599.03	5571.47
Hempstead Lake	6787.62*	Max WS	36.36	36.36	0.00	0.00		253.89	4605.52	621.88	5564.22
Hempstead Lake	6773.87*	Max WS	36.36	36.36	0.00	0.00		259.41	4571.05	650.38	5563.40
Hempstead Lake	6760.13*	Max WS	36.36	36.36	0.00	0.00		263.48	4559.93	656.74	5563.10
Hempstead Lake	6746.38*	Max WS	36.36	36.36	0.00	0.00		266.45	4529.24	680.92	5563.10
Hempstead Lake	6732.634	Max WS	36.36	36.36	0.00	0.00		265.92	4487.40	716.49	5563.43
Hempstead Lake	6718.98*	Max WS	36.36	36.36	0.00	0.00		307.26	4443.91	710.93	5538.44
Hempstead Lake	6705.33*	Max WS	36.36	36.36	0.00	0.00		312.81	4417.01	723.66	5513.75
Hempstead Lake	6691.68*	Max WS	36.36	36.36	0.00	0.00		318.51	4408.93	716.66	5488.65
Hempstead Lake	6678.03*	Max WS	36.36	36.36	0.00	0.00		320.18	4384.25	729.47	5463.81
Hempstead Lake	6664.38*	Max WS	36.36	36.36	0.00	0.00		324.84	4356.58	741.54	5439.24
Hempstead Lake	6650.72*	Max WS	36.36	36.36	0.00	0.00		329.56	4328.18	753.75	5414.18
Hempstead Lake	6637.07*	Max WS	36.36	36.36	0.00	0.00		334.53	4318.80	746.03	5389.15
Hempstead Lake	6623.42*	Max WS	36.36	36.36	0.00	0.00		339.51	4289.01	758.07	5363.21
Hempstead Lake	6609.77*	Max WS	36.36	36.36	0.00	0.00		344.63	4259.40	769.29	5337.08
Hempstead Lake	6596.12*	Max WS	36.36	36.36	0.00	0.00		349.82	4228.85	780.96	5310.65
Hempstead Lake	6582.47*	Max WS	36.36	36.36	0.00	0.00		353.91	4217.88	773.72	5283.98
Hempstead Lake	6568.82*	Max WS	36.36	36.36	0.00	0.00		361.87	4190.76	785.03	5248.22
Hempstead Lake	6555.17*	Max WS	36.36	36.36	0.00	0.00		368.62	4169.33	798.29	5186.49
Hempstead Lake	6541.52*	Max WS	36.36	36.36	0.00	0.00		372.18	4144.37	810.20	5170.59

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	36.36	36.36	0.00	0.00		379.33	4123.78	823.60	5154.60
Hempstead Lake	6514.22*	Max WS	36.36	36.36	0.00	0.00		388.55	4120.43	817.62	5139.01
Hempstead Lake	6500.57*	Max WS	36.36	36.36	0.00	0.00		396.67	4099.85	829.93	5123.54
Hempstead Lake	6486.91*	Max WS	36.36	36.36	0.00	0.00		404.84	4078.21	843.22	5108.20
Hempstead Lake	6473.26*	Max WS	36.36	36.36	0.00	0.00		413.31	4057.03	855.70	5093.12
Hempstead Lake	6459.61*	Max WS	36.36	36.36	0.00	0.00		421.28	4054.56	849.94	5078.34
Hempstead Lake	6445.96*	Max WS	36.36	36.36	0.00	0.00		430.49	4032.92	862.07	5063.63
Hempstead Lake	6432.31*	Max WS	36.36	36.36	0.00	0.00		443.94	4006.95	874.26	5049.36
Hempstead Lake	6418.66*	Max WS	36.36	36.36	0.00	0.00		451.45	3985.51	887.83	5035.27
Hempstead Lake	6405.01*	Max WS	36.36	36.36	0.00	0.00		464.15	3980.01	880.22	5022.23
Hempstead Lake	6391.36*	Max WS	36.36	36.36	0.00	0.00		475.11	3955.97	892.89	5012.39
Hempstead Lake	6377.71*	Max WS	36.36	36.36	0.00	0.00		486.81	3932.42	904.28	5006.55
Hempstead Lake	6364.06*	Max WS	36.36	36.36	0.00	0.00		501.92	3904.73	916.38	4998.01
Hempstead Lake	6350.41*	Max WS	36.36	36.36	0.00	0.00		517.09	3895.55	909.89	4988.02
Hempstead Lake	6336.76*	Max WS	36.36	36.36	0.00	0.00		530.94	3870.65	920.42	4976.81
Hempstead Lake	6323.11*	Max WS	36.36	36.36	0.00	0.00		656.80	4656.64	8.03	3679.54
Hempstead Lake	6309.45*	Max WS	36.36	36.36	0.00	0.00		677.09	4636.24	7.56	3673.48
Hempstead Lake	6295.80*	Max WS	36.36	36.36	0.00	0.00		708.72	4604.50	7.09	3667.43
Hempstead Lake	6282.15*	Max WS	36.36	36.36	0.00	0.00		728.65	4584.20	6.84	3661.37
Hempstead Lake	6268.507	Max WS	36.36	36.36	0.00	0.00		757.74	4556.05	5.28	3655.32
Hempstead Lake	6259.72*	Max WS	36.36	36.36	0.00	0.00		505.47	3980.17	833.03	4578.37
Hempstead Lake	6250.93*	Max WS	36.36	36.36	0.00	0.00		422.67	4308.75	586.86	4247.36
Hempstead Lake	6242.14*	Max WS	36.36	36.36	0.00	0.00		340.59	4572.97	403.13	3915.54
Hempstead Lake	6233.35*	Max WS	36.36	36.36	0.00	0.00		268.95	4786.19	259.92	3582.62
Hempstead Lake	6224.57*	Max WS	36.36	36.36	0.00	0.00		205.47	4951.21	157.98	3249.85
Hempstead Lake	6215.78*	Max WS	36.36	36.36	0.00	0.00		149.96	5074.22	90.11	2916.19
Hempstead Lake	6206.99*	Max WS	36.36	36.36	0.00	0.00		103.80	5164.67	45.48	2617.26
Hempstead Lake	6198.21*	Max WS	36.36	36.36	0.00	0.00		66.95	5226.89	19.81	2291.97
Hempstead Lake	6189.42*	Max WS	36.36	36.36	0.00	0.00		36.76	5270.20	6.43	1916.58
Hempstead Lake	6180.638	Max WS	36.36	36.36	0.00	0.00		16.28	5295.91	0.98	1541.19
Hempstead Lake	6177.638	Max WS	36.36	36.36	0.00			21.70	5290.17	1.24	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	27.80	27.54	0.26	0.22		9.52	21607.41	22.24	1145.54
Hempstead Lake	5930.638	Max WS	27.58	27.36	0.22	0.22		190.24	21321.25	103.04	1181.71
Hempstead Lake	5880.638	Max WS	27.36	27.09	0.26	0.28		28.49	21394.64	190.36	1148.47
Hempstead Lake	5830.638	Max WS	27.07	26.78	0.30	0.35		0.13	21217.57	377.68	1119.19
Hempstead Lake	5780.638	Max WS	26.72	26.37	0.34	0.39		28.99	20948.79	600.91	1139.13
Hempstead Lake	5730.638	Max WS	26.33	26.01	0.32	0.34		194.30	18930.98	2437.36	1248.56
Hempstead Lake	5680.638	Max WS	26.00	25.71	0.29	0.29		495.78	16907.52	4144.53	1274.81
Hempstead Lake	5630.638	Max WS	25.71	25.43	0.28	0.26		492.84	16071.62	4970.19	1285.23
Hempstead Lake	5580.638	Max WS	25.44	25.19	0.25	0.26		940.59	16145.18	4448.12	1282.65
Hempstead Lake	5530.638	Max WS	25.17	24.92	0.26	0.30		1149.56	16387.80	3985.50	1270.72
Hempstead Lake	5480.638	Max WS	24.86	24.57	0.29	0.42		1040.76	16736.97	3734.32	1262.82
Hempstead Lake	5430.638	Max WS	24.44	24.07	0.37	0.29		880.57	16838.51	3754.97	1257.02
Hempstead Lake	5380.638	Max WS	24.09	23.60	0.49	0.30		367.37	19148.04	1904.73	1234.00
Hempstead Lake	5330.638	Max WS	23.70	23.31	0.39	0.24		928.75	16958.18	3456.24	1223.56
Hempstead Lake	5307.48*	Max WS	23.45	23.09	0.36	0.21		774.13	17825.83	2675.77	1239.95
Hempstead Lake	5284.32*	Max WS	23.24	22.90	0.35	0.17		663.57	18564.19	1964.57	1255.60
Hempstead Lake	5261.17*	Max WS	23.07	22.75	0.32	0.13		572.11	18950.39	1621.66	1233.02
Hempstead Lake	5238.01*	Max WS	22.93	22.65	0.28	0.10		509.29	19152.29	1375.50	1220.13
Hempstead Lake	5214.85*	Max WS	22.83	22.58	0.25	0.08		469.77	19279.96	1228.30	1210.49
Hempstead Lake	5191.70*	Max WS	22.74	22.52	0.22	0.06		447.93	19374.29	1093.75	1209.92
Hempstead Lake	5168.54*	Max WS	22.68	22.48	0.20	0.05		438.73	19491.25	985.52	1211.23
Hempstead Lake	5145.39*	Max WS	22.63	22.45	0.18	0.04		437.10	19523.31	890.82	1214.39
Hempstead Lake	5122.23*	Max WS	22.59	22.43	0.16	0.03		446.38	19583.45	820.86	1216.60
Hempstead Lake	5099.07*	Max WS	22.55	22.41	0.14	0.01		464.72	19561.46	758.70	1219.14
Hempstead Lake	5075.922	Max WS	22.53	22.39	0.14	0.01		219.18	20253.19	312.27	1222.50
Hempstead Lake	5055.96*	Max WS	22.52	22.40	0.12	0.01		430.33	19793.21	560.83	1212.35
Hempstead Lake	5036.01*	Max WS	22.51	22.40	0.11	0.01		362.74	19940.54	480.83	1190.72
Hempstead Lake	5016.05*	Max WS	22.50	22.40	0.10	0.01		306.46	20056.48	420.85	1183.83
Hempstead Lake	4996.10*	Max WS	22.49	22.40	0.10	0.00		251.30	20172.63	359.49	1182.34
Hempstead Lake	4976.14*	Max WS	22.49	22.40	0.09	0.00		206.28	20269.47	307.31	1182.87
Hempstead Lake	4956.192	Max WS	22.48	22.40	0.08	0.00		113.38	20454.45	214.87	1184.49
Hempstead Lake	4936.44*	Max WS	22.48	22.41	0.07	0.00		244.94	20286.06	251.36	1183.05
Hempstead Lake	4916.69*	Max WS	22.48	22.41	0.07	0.00		289.35	20214.41	278.30	1180.14
Hempstead Lake	4896.94*	Max WS	22.47	22.41	0.06	0.00		337.18	20134.64	309.96	1175.66
Hempstead Lake	4877.19*	Max WS	22.47	22.41	0.06	0.00		376.59	20068.94	335.95	1170.87
Hempstead Lake	4857.44*	Max WS	22.47	22.41	0.05	0.00		429.40	19985.08	366.71	1165.88
Hempstead Lake	4837.697	Max WS	22.46	22.41	0.05	0.00		191.29	20309.33	280.25	1160.33
Hempstead Lake	4817.64*	Max WS	22.46	22.41	0.05	0.01		643.46	19881.34	361.55	1155.24
Hempstead Lake	4797.59*	Max WS	22.45	22.41	0.05	0.00		687.34	19872.42	326.20	1149.76
Hempstead Lake	4777.53*	Max WS	22.45	22.40	0.05	0.00		731.90	19859.99	293.60	1144.01

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	22.45	22.40	0.05	0.00		786.92	19834.31	263.74	1138.13
Hempstead Lake	4737.42*	Max WS	22.44	22.40	0.05	0.00		832.92	19815.36	236.11	1131.75
Hempstead Lake	4717.37*	Max WS	22.44	22.39	0.05	0.00		880.35	19792.32	211.07	1125.28
Hempstead Lake	4697.32*	Max WS	22.43	22.39	0.05	0.00		928.07	19766.94	188.05	1118.44
Hempstead Lake	4677.26*	Max WS	22.43	22.38	0.04	0.00		983.69	19679.46	166.51	1111.80
Hempstead Lake	4657.21*	Max WS	22.42	22.38	0.04	0.00		1046.90	19635.00	147.69	1105.03
Hempstead Lake	4637.16*	Max WS	22.42	22.38	0.04	0.00		1097.57	19600.90	131.00	1097.80
Hempstead Lake	4617.10*	Max WS	22.42	22.37	0.04	0.00		1147.56	19565.47	116.27	1089.82
Hempstead Lake	4597.05*	Max WS	22.41	22.37	0.04	0.00		1197.74	19527.69	103.65	1081.35
Hempstead Lake	4577.*	Max WS	22.41	22.36	0.04	0.00		1269.90	19466.27	92.65	1074.19
Hempstead Lake	4556.94*	Max WS	22.40	22.36	0.04	0.00		1322.97	19423.23	82.30	1068.91
Hempstead Lake	4536.893	Max WS	22.40	22.36	0.04	0.00		758.42	20043.23	26.49	1063.87
Hempstead Lake	4516.70*	Max WS	22.40	22.36	0.04	0.00		1429.28	19321.91	81.57	1061.95
Hempstead Lake	4496.51*	Max WS	22.40	22.35	0.04	0.00		1436.62	19299.62	96.09	1060.06
Hempstead Lake	4476.32*	Max WS	22.39	22.35	0.04	0.00		1414.31	19305.52	112.04	1058.26
Hempstead Lake	4456.14*	Max WS	22.39	22.35	0.04	0.00		1420.23	19282.66	128.47	1056.70
Hempstead Lake	4435.95*	Max WS	22.39	22.35	0.04	0.00		1427.62	19257.16	146.04	1056.47
Hempstead Lake	4415.76*	Max WS	22.38	22.34	0.04	0.00		1402.74	19263.12	164.37	1056.67
Hempstead Lake	4395.57*	Max WS	22.38	22.34	0.04	0.00		1407.27	19238.54	183.80	1057.02
Hempstead Lake	4375.38*	Max WS	22.38	22.34	0.04	0.00		1381.83	19242.68	204.41	1056.99
Hempstead Lake	4355.20*	Max WS	22.37	22.34	0.04	0.00		1385.99	19172.81	224.86	1057.11
Hempstead Lake	4335.01*	Max WS	22.37	22.33	0.04	0.00		1393.58	19143.56	246.49	1056.86
Hempstead Lake	4314.82*	Max WS	22.37	22.33	0.04	0.00		1366.14	19148.37	269.05	1057.15
Hempstead Lake	4294.63*	Max WS	22.36	22.33	0.04	0.00		1374.50	19116.58	292.39	1056.98
Hempstead Lake	4274.44*	Max WS	22.36	22.33	0.04	0.00		1347.02	19119.67	316.65	1057.36
Hempstead Lake	4254.26*	Max WS	22.36	22.32	0.04	0.00		1354.90	19087.33	340.96	1057.14
Hempstead Lake	4234.07*	Max WS	22.36	22.32	0.04	0.00		1363.97	19053.42	365.60	1057.01
Hempstead Lake	4213.88*	Max WS	22.35	22.32	0.03	0.00		1335.25	19055.80	391.72	1057.03
Hempstead Lake	4193.69*	Max WS	22.35	22.32	0.03	0.00		1344.29	19020.85	417.38	1056.43
Hempstead Lake	4173.50*	Max WS	22.35	22.32	0.03	0.00		1315.28	19022.65	444.32	1054.81
Hempstead Lake	4153.320	Max WS	22.35	22.32	0.03	0.00		541.81	19782.29	457.85	1052.94
Hempstead Lake	4131.85*	Max WS	22.35	22.31	0.03	0.00		1221.44	19079.62	485.28	1048.57
Hempstead Lake	4110.38*	Max WS	22.35	22.31	0.03	0.00		1194.38	19094.05	497.55	1043.16
Hempstead Lake	4088.91*	Max WS	22.34	22.31	0.03	0.00		1198.14	19078.20	509.26	1036.28
Hempstead Lake	4067.44*	Max WS	22.34	22.31	0.03	0.00		1164.52	19097.98	522.66	1029.42
Hempstead Lake	4045.97*	Max WS	22.34	22.30	0.03	0.00		1128.58	19120.04	536.08	1021.91
Hempstead Lake	4024.50*	Max WS	22.33	22.30	0.03	0.00		1121.86	19076.21	548.18	1015.18
Hempstead Lake	4003.034	Max WS	22.33	22.30	0.04	0.00		441.22	19746.51	558.48	1010.55
Hempstead Lake	3984.01*	Max WS	22.33	22.29	0.04	0.00		889.19	19322.71	534.25	1023.78
Hempstead Lake	3964.99*	Max WS	22.33	22.28	0.05	0.00		925.36	19308.05	512.61	1041.99
Hempstead Lake	3945.97*	Max WS	22.32	22.27	0.05	0.01		949.03	19301.41	495.37	1084.92
Hempstead Lake	3926.95*	Max WS	22.32	22.25	0.07	0.01		1020.92	19247.20	477.36	1118.24
Hempstead Lake	3907.93*	Max WS	22.31	22.23	0.08	0.00		1100.14	19128.39	516.48	1171.98
Hempstead Lake	3888.916	Max WS	22.31	22.20	0.11	0.00		493.52	19759.83	491.02	1135.09
Hempstead Lake	3883.916	Max WS	22.31	22.20	0.11			440.09	19822.69	486.06	1140.26
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	22.17	22.03	0.14	0.00		246.14	20239.07	195.30	1135.66
Hempstead Lake	3858.916	Max WS	22.17	22.02	0.15	0.01		271.33	20200.77	208.32	1136.98
Hempstead Lake	3826.579	Max WS	22.16	21.95	0.21	0.00		415.05	20027.07	197.96	1139.39
Hempstead Lake	3821.579	Max WS	22.16	21.94	0.22			446.52	20000.81	192.63	1140.16
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	22.10	21.89	0.20	0.00		1203.00	18812.37	624.59	1213.42
Hempstead Lake	3736.579	Max WS	22.09	21.88	0.21	0.02		707.30	19646.11	244.33	1216.60
Hempstead Lake	3699.46*	Max WS	22.08	21.88	0.19	0.02		767.14	19492.53	378.70	1263.70
Hempstead Lake	3662.35*	Max WS	22.06	21.88	0.18	0.02		765.92	19205.01	626.81	1273.47
Hempstead Lake	3625.24*	Max WS	22.04	21.88	0.16	0.01		749.15	18923.86	924.67	1312.81
Hempstead Lake	3588.13*	Max WS	22.02	21.88	0.15	0.01		744.95	18539.01	1313.61	1354.92
Hempstead Lake	3551.028	Max WS	22.01	21.87	0.14	0.01		653.95	18364.23	1579.20	1397.09
Hempstead Lake	3531.67*	Max WS	22.00	21.87	0.14	0.01		790.20	18116.78	1690.23	1403.10
Hempstead Lake	3512.33*	Max WS	22.00	21.85	0.15	0.01		789.05	18333.90	1473.96	1403.09
Hempstead Lake	3492.98*	Max WS	21.99	21.83	0.16	0.01		785.92	18548.29	1262.27	1396.12
Hempstead Lake	3473.63*	Max WS	21.98	21.81	0.17	0.01		779.76	18749.18	1066.97	1380.82
Hempstead Lake	3454.28*	Max WS	21.97	21.79	0.18	0.01		765.72	18832.48	963.21	1328.00
Hempstead Lake	3434.93*	Max WS	21.97	21.77	0.20	0.01		743.43	19030.59	787.29	1317.26
Hempstead Lake	3415.58*	Max WS	21.96	21.75	0.22	0.01		727.16	19199.77	634.13	1305.68
Hempstead Lake	3396.239	Max WS	21.95	21.73	0.22	0.01		842.84	19128.72	589.11	1294.29
Hempstead Lake	3376.88*	Max WS	21.94	21.71	0.23	0.01		752.86	19314.65	492.64	1281.34
Hempstead Lake	3357.52*	Max WS	21.93	21.70	0.24	0.01		798.45	19269.01	492.05	1270.08
Hempstead Lake	3338.16*	Max WS	21.92	21.68	0.24	0.01		843.46	19192.42	490.63	1260.23
Hempstead Lake	3318.80*	Max WS	21.91	21.67	0.24	0.01		892.22	19143.49	490.73	1250.55
Hempstead Lake	3299.44*	Max WS	21.90	21.66	0.24	0.01		942.39	19082.10	501.80	1233.47
Hempstead Lake	3280.08*	Max WS	21.89	21.65	0.25	0.01		993.55	19007.10	525.43	1211.86

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	21.88	21.63	0.25	0.01		1044.03	18942.02	539.74	1201.81
Hempstead Lake	3241.37*	Max WS	21.87	21.62	0.25	0.01		1084.69	18891.46	549.28	1191.34
Hempstead Lake	3222.01*	Max WS	21.86	21.60	0.25	0.01		1140.01	18816.47	568.49	1181.20
Hempstead Lake	3202.65*	Max WS	21.84	21.59	0.26	0.01		1197.56	18736.94	589.96	1172.03
Hempstead Lake	3183.29*	Max WS	21.83	21.57	0.26	0.01		1256.47	18654.59	612.80	1164.22
Hempstead Lake	3163.93*	Max WS	21.82	21.56	0.26	0.01		1314.43	18544.15	635.83	1156.57
Hempstead Lake	3144.581	Max WS	21.81	21.54	0.27	0.01		1279.48	18600.61	614.17	1149.69
Hempstead Lake	3124.73*	Max WS	21.79	21.52	0.27	0.01		1257.64	18662.26	574.14	1144.52
Hempstead Lake	3104.89*	Max WS	21.78	21.51	0.27	0.01		1282.72	18652.15	558.88	1170.08
Hempstead Lake	3085.04*	Max WS	21.77	21.50	0.27	0.01		1303.98	18643.25	546.14	1213.89
Hempstead Lake	3065.2*	Max WS	21.76	21.49	0.27	0.01		1318.91	18636.70	537.32	1286.19
Hempstead Lake	3045.35*	Max WS	21.75	21.47	0.27	0.01		1296.99	18671.38	524.04	1360.64
Hempstead Lake	3025.51*	Max WS	21.73	21.46	0.27	0.01		1293.18	18670.38	528.26	1401.16
Hempstead Lake	3005.66*	Max WS	21.72	21.45	0.27	0.01		1299.57	18652.21	539.39	1433.79
Hempstead Lake	2985.81*	Max WS	21.71	21.44	0.27	0.01		1294.76	18624.92	545.46	1451.06
Hempstead Lake	2965.974	Max WS	21.70	21.44	0.26	0.01		1409.60	18445.00	610.51	1468.65
Hempstead Lake	2951.87*	Max WS	21.69	21.44	0.25	0.01		1505.53	18330.60	628.95	1473.98
Hempstead Lake	2937.77*	Max WS	21.68	21.43	0.25	0.01		1514.50	18338.60	611.93	1479.00
Hempstead Lake	2923.67*	Max WS	21.67	21.42	0.24	0.01		1526.46	18342.39	596.10	1482.67
Hempstead Lake	2909.57*	Max WS	21.66	21.42	0.24	0.01		1534.85	18353.04	576.97	1488.71
Hempstead Lake	2895.47*	Max WS	21.65	21.41	0.24	0.01		1538.04	18365.43	561.26	1498.21
Hempstead Lake	2881.37*	Max WS	21.64	21.40	0.23	0.01		1535.53	18379.13	549.91	1508.04
Hempstead Lake	2867.27*	Max WS	21.63	21.40	0.23	0.01		1540.95	18382.76	540.70	1514.75
Hempstead Lake	2853.17*	Max WS	21.62	21.39	0.23	0.01		1544.32	18389.43	530.46	1519.69
Hempstead Lake	2839.07*	Max WS	21.61	21.38	0.22	0.01		1551.11	18392.41	520.48	1525.85
Hempstead Lake	2824.98*	Max WS	21.60	21.38	0.22	0.01		1560.00	18392.43	511.33	1525.93
Hempstead Lake	2810.88*	Max WS	21.59	21.37	0.22	0.01		1568.21	18392.68	502.63	1525.92
Hempstead Lake	2796.78*	Max WS	21.58	21.37	0.21	0.01		1582.00	18385.38	495.87	1523.64
Hempstead Lake	2782.68*	Max WS	21.57	21.36	0.21	0.01		1588.51	18392.66	481.81	1525.96
Hempstead Lake	2768.58*	Max WS	21.56	21.35	0.21	0.01		1597.18	18394.35	471.14	1528.42
Hempstead Lake	2754.48*	Max WS	21.55	21.35	0.20	0.01		1603.14	18398.96	460.27	1530.96
Hempstead Lake	2740.38*	Max WS	21.54	21.34	0.20	0.01		1588.85	18419.66	453.53	1544.17
Hempstead Lake	2726.28*	Max WS	21.54	21.34	0.20	0.01		1585.65	18433.31	442.75	1560.87
Hempstead Lake	2712.18*	Max WS	21.53	21.33	0.20	0.01		1591.46	18438.56	431.33	1576.95
Hempstead Lake	2698.08*	Max WS	21.52	21.33	0.19	0.01		1598.78	18452.32	409.88	1607.95
Hempstead Lake	2683.98*	Max WS	21.51	21.32	0.19	0.01		1612.55	18505.10	342.96	1655.98
Hempstead Lake	2669.88*	Max WS	21.50	21.31	0.19	0.01		1617.92	18486.61	355.70	1623.38
Hempstead Lake	2655.78*	Max WS	21.50	21.31	0.19	0.01		1630.45	18463.92	365.45	1587.83
Hempstead Lake	2641.68*	Max WS	21.49	21.31	0.18	0.01		1651.01	18438.04	370.39	1544.28
Hempstead Lake	2627.58*	Max WS	21.48	21.30	0.18	0.01		1666.97	18419.85	372.22	1500.72
Hempstead Lake	2613.48*	Max WS	21.47	21.30	0.18	0.01		1682.14	18406.15	370.38	1457.16
Hempstead Lake	2599.38*	Max WS	21.47	21.29	0.17	0.01		1693.32	18400.81	364.16	1413.60
Hempstead Lake	2585.29*	Max WS	21.46	21.29	0.17	0.01		1709.35	18393.09	355.50	1370.04
Hempstead Lake	2571.19*	Max WS	21.45	21.28	0.17	0.01		1715.52	18400.66	341.40	1326.49
Hempstead Lake	2557.091	Max WS	21.44	21.29	0.14	0.01		2570.23	17401.73	485.31	1282.93
Hempstead Lake	2552.091	Max WS	21.44	21.25	0.19			3163.23	16616.62	677.30	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	21.38	21.20	0.18	0.01		3286.67	16580.67	578.98	1282.93
Hempstead Lake	2487.091	Max WS	21.36	21.24	0.13	0.01		2414.17	17657.50	385.32	1282.93
Hempstead Lake	2477.12*	Max WS	21.36	21.21	0.15	0.00		1687.58	18451.10	317.95	1295.08
Hempstead Lake	2467.14*	Max WS	21.36	21.21	0.15	0.00		1757.90	18309.20	389.15	1307.22
Hempstead Lake	2457.17*	Max WS	21.35	21.20	0.15	0.00		1829.05	18157.45	469.36	1319.37
Hempstead Lake	2447.20*	Max WS	21.35	21.20	0.15	0.00		1902.66	17992.91	559.89	1331.51
Hempstead Lake	2437.23*	Max WS	21.34	21.21	0.14	0.01		2471.80	17154.98	828.29	1343.66
Hempstead Lake	2427.26*	Max WS	21.34	21.20	0.14	0.01		2535.36	16962.38	956.92	1355.81
Hempstead Lake	2417.29*	Max WS	21.33	21.19	0.14	0.01		2598.21	16761.13	1094.92	1367.95
Hempstead Lake	2407.32*	Max WS	21.33	21.17	0.15	0.00		2200.28	17220.83	1025.32	1380.10
Hempstead Lake	2397.35*	Max WS	21.32	21.17	0.15	0.00		2276.59	16998.52	1171.34	1392.24
Hempstead Lake	2387.37*	Max WS	21.32	21.17	0.15	0.00		2349.37	16751.47	1345.59	1395.71
Hempstead Lake	2377.40*	Max WS	21.32	21.16	0.15	0.00		2419.03	16461.86	1565.53	1384.68
Hempstead Lake	2367.43*	Max WS	21.31	21.16	0.15	0.00		2498.85	16172.31	1775.26	1391.29
Hempstead Lake	2357.46*	Max WS	21.31	21.16	0.15	0.00		2569.86	15882.93	1993.62	1398.51
Hempstead Lake	2347.49*	Max WS	21.30	21.15	0.15	0.00		2639.71	15580.02	2226.67	1405.81
Hempstead Lake	2337.52*	Max WS	21.30	21.15	0.15	0.00		2709.61	15264.83	2476.33	1413.37
Hempstead Lake	2327.55*	Max WS	21.29	21.15	0.15	0.00		2778.63	14934.26	2737.44	1421.22
Hempstead Lake	2317.58*	Max WS	21.29	21.14	0.15	0.00		2844.70	14591.37	3013.80	1429.12
Hempstead Lake	2307.60*	Max WS	21.28	21.14	0.14	0.00		2911.76	14232.26	3305.42	1437.17
Hempstead Lake	2297.63*	Max WS	21.28	21.14	0.14	0.00		2975.31	13868.40	3605.29	1445.60
Hempstead Lake	2287.66*	Max WS	21.28	21.13	0.14	0.00		3036.83	13494.14	3917.59	1453.85
Hempstead Lake	2277.69*	Max WS	21.27	21.13	0.14	0.00		3095.56	13110.87	4241.69	1462.17
Hempstead Lake	2267.72*	Max WS	21.26	21.13	0.13	0.01		3121.36	12595.88	4730.44	1431.95
Hempstead Lake	2257.752	Max WS	21.24	21.15	0.09	0.00		3978.96	10100.94	6367.35	1439.74

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

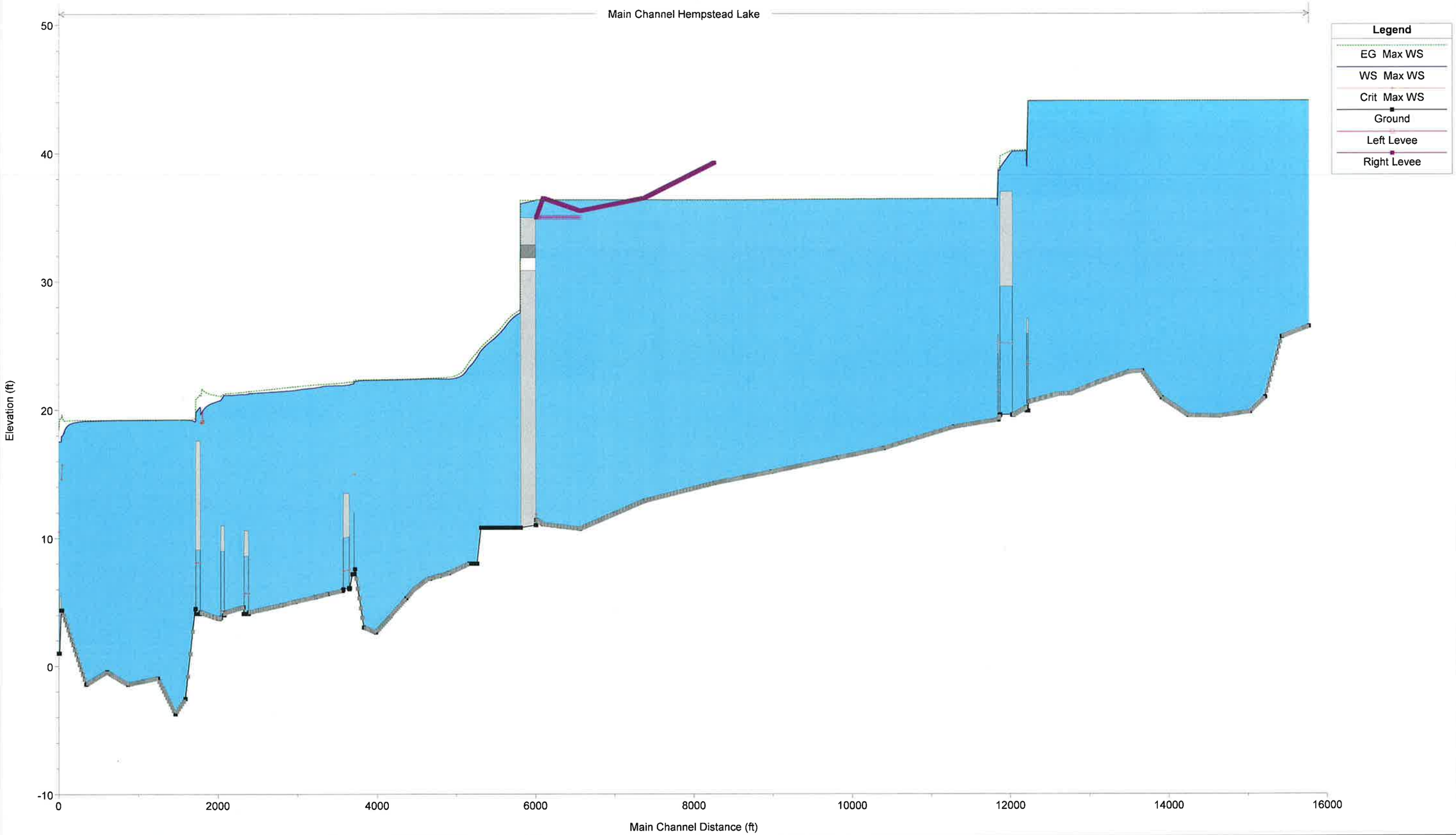
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	21.24	21.14	0.11	0.00		3939.69	10452.66	6054.63	1427.66
Hempstead Lake	2247.752	Max WS	21.23	21.14	0.09			4652.24	8936.58	6857.88	1416.07
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	21.07	20.74	0.33	0.01		3660.63	10201.82	6583.98	1338.88
Hempstead Lake	2192.75*	Max WS	21.06	20.74	0.33	0.00		4078.02	10694.88	5673.51	1333.06
Hempstead Lake	2187.752	Max WS	21.09	20.71	0.37	0.00		4480.25	10930.28	5035.85	1311.80
Hempstead Lake	2178.63*	Max WS	21.10	20.70	0.40	0.00		4399.87	11082.39	4964.11	1324.12
Hempstead Lake	2169.52*	Max WS	21.10	20.68	0.42	0.01		4316.93	11227.77	4901.64	1335.99
Hempstead Lake	2160.40*	Max WS	21.11	20.67	0.44	0.01		4230.59	11369.72	4846.01	1350.41
Hempstead Lake	2151.29*	Max WS	21.12	20.65	0.47	0.01		4138.10	11514.92	4793.29	1363.96
Hempstead Lake	2142.17*	Max WS	21.15	20.63	0.52	0.01		4109.15	11843.51	4493.63	1384.65
Hempstead Lake	2133.05*	Max WS	21.16	20.61	0.55	0.01		3995.95	11964.87	4485.46	1381.45
Hempstead Lake	2123.94*	Max WS	21.16	20.59	0.58	0.01		3886.87	12078.98	4480.41	1378.32
Hempstead Lake	2114.82*	Max WS	21.18	20.57	0.61	0.01		3774.70	12196.34	4475.20	1375.33
Hempstead Lake	2105.71*	Max WS	21.19	20.55	0.64	0.01		3661.10	12317.22	4467.91	1372.49
Hempstead Lake	2096.59*	Max WS	21.20	20.53	0.67	0.01		3547.13	12440.83	4458.25	1369.97
Hempstead Lake	2087.48*	Max WS	21.21	20.50	0.71	0.01		3428.68	12571.56	4445.97	1367.50
Hempstead Lake	2078.36*	Max WS	21.23	20.48	0.75	0.01		3309.68	12704.27	4432.26	1365.27
Hempstead Lake	2069.25*	Max WS	21.25	20.45	0.80	0.01		3184.56	12844.21	4415.48	1363.33
Hempstead Lake	2060.13*	Max WS	21.27	20.42	0.85	0.01		3059.19	12988.66	4396.30	1361.80
Hempstead Lake	2051.01*	Max WS	21.29	20.39	0.90	0.01		2930.09	13140.05	4373.91	1360.62
Hempstead Lake	2041.90*	Max WS	21.31	20.35	0.96	0.01		2794.93	13295.53	4353.51	1358.17
Hempstead Lake	2032.78*	Max WS	21.33	20.31	1.03	0.01		2656.10	13458.47	4329.34	1355.12
Hempstead Lake	2023.67*	Max WS	21.36	20.27	1.10	0.01		2522.70	13624.74	4296.43	1348.53
Hempstead Lake	2014.55*	Max WS	21.40	20.22	1.18	0.02		2385.58	13799.20	4259.08	1341.35
Hempstead Lake	2005.44*	Max WS	21.43	20.16	1.27	0.02		2238.26	13986.48	4213.85	1333.94
Hempstead Lake	1996.32*	Max WS	21.47	20.10	1.38	0.02		2086.07	14189.51	4154.75	1324.10
Hempstead Lake	1987.20*	Max WS	21.53	20.03	1.50	0.02		1932.16	14410.87	4087.15	1312.84
Hempstead Lake	1978.09*	Max WS	21.59	19.94	1.65	0.02		1781.58	14660.25	3988.28	1291.82
Hempstead Lake	1968.97*	Max WS	21.66	19.83	1.83	0.02		1625.53	14933.38	3860.76	1262.29
Hempstead Lake	1959.86*	Max WS	21.14	19.72	1.42	0.02		1212.92	12685.72	3092.61	1235.64
Hempstead Lake	1950.747	Max WS	21.11	19.63	1.47	0.02		1044.14	12507.91	2899.78	1214.26
Hempstead Lake	1945.747	Max WS	21.19	20.22	0.97			1911.36	9101.83	9407.12	1346.44
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	19.31	19.13	0.18	0.01		531.08	4949.89	13139.42	1201.62
Hempstead Lake	1880.747	Max WS	19.33	19.09	0.25	0.01		231.52	13266.25	5073.82	1200.43
Hempstead Lake	1848.83*	Max WS	19.27	19.17	0.10	0.00		292.27	16274.78	2100.88	1341.34
Hempstead Lake	1816.92*	Max WS	19.25	19.20	0.05	0.00		353.16	17259.07	1102.78	1463.62
Hempstead Lake	1785.01*	Max WS	19.24	19.22	0.02	0.00		438.09	17762.23	560.64	1570.59
Hempstead Lake	1753.104	Max WS	19.24	19.23	0.01	0.00		214.06	18402.89	143.60	1617.32
Hempstead Lake	1732.65*	Max WS	19.24	19.23	0.01	0.00		569.45	17622.55	568.35	1629.07
Hempstead Lake	1712.21*	Max WS	19.24	19.23	0.01	0.00		589.40	17421.41	749.37	1607.31
Hempstead Lake	1691.76*	Max WS	19.24	19.23	0.01	0.00		608.32	17194.22	957.44	1634.49
Hempstead Lake	1671.32*	Max WS	19.24	19.23	0.01	0.00		626.57	16942.31	1190.90	1661.88
Hempstead Lake	1650.87*	Max WS	19.24	19.23	0.01	0.00		642.48	16667.36	1449.74	1689.56
Hempstead Lake	1630.434	Max WS	19.24	19.23	0.01	0.00		313.29	17154.93	1291.13	1719.45
Hempstead Lake	1610.36*	Max WS	19.24	19.23	0.01	0.00		676.50	16450.83	1631.79	1716.39
Hempstead Lake	1590.30*	Max WS	19.24	19.22	0.01	0.00		610.55	16605.44	1542.91	1712.34
Hempstead Lake	1570.23*	Max WS	19.24	19.22	0.01	0.00		546.00	16758.36	1454.30	1707.89
Hempstead Lake	1550.17*	Max WS	19.24	19.22	0.02	0.00		471.75	16931.21	1355.42	1711.53
Hempstead Lake	1530.10*	Max WS	19.24	19.22	0.02	0.00		414.18	17090.22	1253.72	1710.81
Hempstead Lake	1510.03*	Max WS	19.24	19.22	0.02	0.00		352.79	17273.29	1131.71	1706.87
Hempstead Lake	1489.97*	Max WS	19.24	19.22	0.02	0.00		301.38	17424.89	1031.21	1699.46
Hempstead Lake	1469.90*	Max WS	19.24	19.21	0.02	0.00		253.40	17573.72	930.02	1712.39
Hempstead Lake	1449.83*	Max WS	19.24	19.21	0.02	0.00		209.21	17716.17	831.39	1724.30
Hempstead Lake	1429.77*	Max WS	19.24	19.21	0.03	0.00		165.82	17854.69	735.87	1728.89
Hempstead Lake	1409.707	Max WS	19.24	19.21	0.03	0.00		89.34	17824.36	842.28	1722.12
Hempstead Lake	1389.03*	Max WS	19.23	19.20	0.03	0.00		102.87	19396.57	671.87	1733.47
Hempstead Lake	1368.35*	Max WS	19.23	19.20	0.03	0.00		85.44	19410.22	675.09	1974.84
Hempstead Lake	1347.67*	Max WS	19.23	19.20	0.03	0.00		94.79	19398.81	676.57	2020.77
Hempstead Lake	1326.99*	Max WS	19.23	19.20	0.03	0.00		92.41	19397.97	679.15	2173.70
Hempstead Lake	1306.32*	Max WS	19.23	19.20	0.03	0.00		113.11	19352.73	703.04	2155.78
Hempstead Lake	1285.64*	Max WS	19.23	19.20	0.03	0.00		131.63	19331.20	705.42	2137.58
Hempstead Lake	1264.96*	Max WS	19.23	19.20	0.03	0.00		150.61	19308.65	708.37	2118.49
Hempstead Lake	1244.28*	Max WS	19.23	19.20	0.03	0.00		170.54	19285.25	711.24	2099.76
Hempstead Lake	1223.61*	Max WS	19.23	19.20	0.03	0.00		191.21	19260.20	715.03	2080.44
Hempstead Lake	1202.93*	Max WS	19.23	19.20	0.03	0.00		212.62	19233.63	719.62	2060.06
Hempstead Lake	1182.25*	Max WS	19.23	19.19	0.03	0.00		234.29	19208.96	722.06	2042.92
Hempstead Lake	1161.57*	Max WS	19.23	19.19	0.03	0.00		256.25	19182.84	725.66	2025.26
Hempstead Lake	1140.90*	Max WS	19.23	19.19	0.03	0.00		278.89	19155.99	729.36	2006.86
Hempstead Lake	1120.22*	Max WS	19.23	19.19	0.03	0.00		310.98	19096.59	756.15	1988.04
Hempstead Lake	1099.54*	Max WS	19.23	19.19	0.03	0.00		334.83	19066.57	761.82	1967.34

HEC-RAS Plan: Plan 24 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	19.23	19.19	0.03	0.00		358.41	19033.39	770.93	1942.53
Hempstead Lake	1058.19*	Max WS	19.23	19.19	0.03	0.00		383.05	18998.06	781.16	1915.65
Hempstead Lake	1037.515	Max WS	19.23	19.19	0.03	0.00		373.12	18400.04	1388.68	1881.64
Hempstead Lake	1017.08*	Max WS	19.23	19.19	0.03	0.00		727.21	18604.83	837.54	1921.94
Hempstead Lake	996.645*	Max WS	19.23	19.19	0.03	0.00		852.75	18380.98	935.42	1961.00
Hempstead Lake	976.210*	Max WS	19.22	19.19	0.03	0.00		981.28	18169.04	1018.41	1986.56
Hempstead Lake	955.775*	Max WS	19.22	19.19	0.03	0.00		1125.39	17913.76	1129.15	2006.80
Hempstead Lake	935.340*	Max WS	19.22	19.19	0.03	0.00		1254.55	17690.36	1223.00	2021.39
Hempstead Lake	914.905*	Max WS	19.22	19.19	0.03	0.00		1414.66	17409.29	1343.56	2031.38
Hempstead Lake	894.471*	Max WS	19.22	19.19	0.03	0.00		1587.63	17137.10	1442.38	2038.68
Hempstead Lake	874.036*	Max WS	19.22	19.19	0.03	0.00		1767.44	16831.69	1567.62	2044.30
Hempstead Lake	853.601*	Max WS	19.22	19.19	0.03	0.00		1929.52	16563.08	1673.77	2048.79
Hempstead Lake	833.166*	Max WS	19.22	19.19	0.03	0.00		2126.95	16236.66	1802.39	2054.38
Hempstead Lake	812.731*	Max WS	19.21	19.19	0.03	0.00		2350.02	15916.95	1898.68	2067.56
Hempstead Lake	792.296*	Max WS	19.21	19.18	0.03	0.00		2567.02	15573.29	2024.98	2077.03
Hempstead Lake	771.862	Max WS	19.21	19.18	0.03	0.00		1228.75	16992.80	1943.37	2086.93
Hempstead Lake	750.331*	Max WS	19.21	19.18	0.03	0.00		2545.10	15650.17	1972.88	2108.76
Hempstead Lake	728.8*	Max WS	19.21	19.18	0.03	0.00		2310.27	16012.51	1844.99	2127.70
Hempstead Lake	707.269*	Max WS	19.21	19.17	0.03	0.00		2095.10	16386.86	1685.41	2147.96
Hempstead Lake	685.738*	Max WS	19.20	19.17	0.04	0.00		1879.60	16763.03	1524.32	2166.93
Hempstead Lake	664.207*	Max WS	19.20	19.16	0.04	0.00		1668.62	17136.02	1361.90	2186.92
Hempstead Lake	642.676*	Max WS	19.20	19.16	0.04	0.00		1464.70	17477.82	1223.58	2205.95
Hempstead Lake	621.145*	Max WS	19.20	19.15	0.05	0.00		1270.18	17829.82	1065.66	2225.82
Hempstead Lake	599.614*	Max WS	19.20	19.15	0.05	0.00		1086.36	18166.10	912.77	2244.90
Hempstead Lake	578.083*	Max WS	19.20	19.15	0.05	0.00		914.26	18482.49	768.03	2264.70
Hempstead Lake	556.552*	Max WS	19.20	19.14	0.05	0.00		769.98	18744.42	649.95	2283.85
Hempstead Lake	535.021*	Max WS	19.20	19.14	0.06	0.00		630.42	19008.38	525.13	2303.62
Hempstead Lake	513.490	Max WS	19.20	19.14	0.06	0.00		462.24	19026.17	675.11	2322.91
Hempstead Lake	493.038*	Max WS	19.20	19.13	0.07	0.00		648.75	18997.55	522.52	2221.15
Hempstead Lake	472.587*	Max WS	19.20	19.12	0.07	0.00		699.82	18958.75	509.91	2120.79
Hempstead Lake	452.136*	Max WS	19.20	19.11	0.09	0.00		752.67	18920.42	495.06	2021.13
Hempstead Lake	431.685*	Max WS	19.20	19.10	0.10	0.00		807.41	18884.10	476.35	1925.72
Hempstead Lake	411.234*	Max WS	19.19	19.08	0.11	0.01		853.32	18863.51	450.73	1827.93
Hempstead Lake	390.783*	Max WS	19.19	19.06	0.13	0.01		908.06	18829.66	429.55	1729.85
Hempstead Lake	370.332*	Max WS	19.19	19.04	0.16	0.01		961.35	18797.46	408.21	1630.63
Hempstead Lake	349.881*	Max WS	19.19	19.00	0.19	0.01		1010.76	18767.34	388.66	1530.85
Hempstead Lake	329.430*	Max WS	19.18	18.96	0.22	0.02		1058.12	18741.58	366.82	1438.03
Hempstead Lake	308.979*	Max WS	19.18	18.90	0.28	0.02		1086.96	18741.75	337.57	1349.66
Hempstead Lake	288.528*	Max WS	19.17	18.82	0.35	0.03		1093.96	18769.66	302.43	1264.55
Hempstead Lake	268.077*	Max WS	19.17	18.70	0.46	0.04		1061.96	18845.96	257.90	1181.72
Hempstead Lake	247.626*	Max WS	19.16	18.51	0.65	0.06		954.89	19010.31	200.38	1100.22
Hempstead Lake	227.175*	Max WS	19.19	18.13	1.06	0.07		645.76	19405.20	114.35	1018.80
Hempstead Lake	206.724	Max WS	19.65	17.95	1.70	0.01		398.09	19712.94	54.62	943.49
Hempstead Lake	201.724	Max WS	19.40	17.98	1.41			364.90	19748.15	52.12	945.25
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	18.51	17.54	0.97	0.00		6771.20	13384.00	10.38	933.52
Hempstead Lake	166.724	Max WS	18.51	17.53	0.98			6768.54	13387.05	9.96	933.21

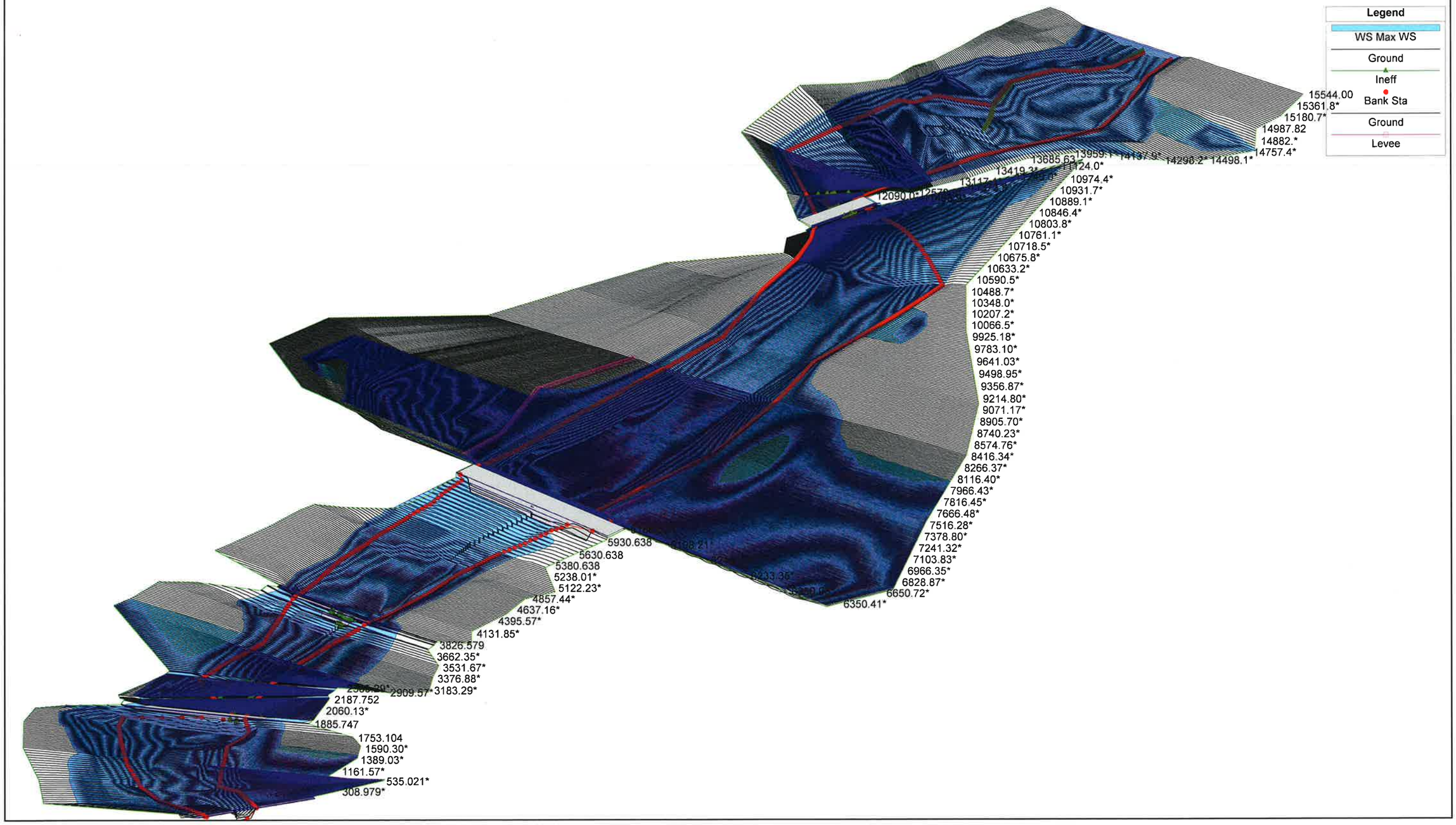
Hempstead Lake 8-24-15 Plan: Plan 24 8/26/2015

Existing 1/2 PMF w/ Breach



Hempstead Lake 8-24-15 Plan: Plan 24 8/26/2015

Existing 1/2 PMF w/ Breach



90% Existing Half PMF Breach 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	43.01	42.99	0.01	0.00		290.97	3970.79	3067.72	871.83
Hempstead Lake	15523.7*	Max WS	43.01	42.99	0.01	0.00		657.07	3821.15	2849.98	864.14
Hempstead Lake	15503.5*	Max WS	43.00	42.99	0.01	0.00		636.72	3883.18	2807.04	856.30
Hempstead Lake	15483.3*	Max WS	43.00	42.99	0.01	0.00		606.31	3941.19	2778.22	846.63
Hempstead Lake	15463.0*	Max WS	43.00	42.99	0.01	0.00		577.90	3998.82	2747.81	839.77
Hempstead Lake	15442.8*	Max WS	43.00	42.99	0.01	0.00		558.13	4050.42	2714.83	834.25
Hempstead Lake	15422.5*	Max WS	43.00	42.98	0.01	0.00		531.24	4105.78	2685.26	830.63
Hempstead Lake	15402.3*	Max WS	43.00	42.98	0.01	0.00		504.07	4160.05	2657.11	827.98
Hempstead Lake	15382.1*	Max WS	43.00	42.98	0.01	0.00		486.79	4207.43	2626.02	826.05
Hempstead Lake	15361.8*	Max WS	43.00	42.98	0.01	0.00		460.89	4259.17	2599.25	825.15
Hempstead Lake	15341.6*	Max WS	43.00	42.98	0.01	0.00		443.13	4293.61	2581.73	820.03
Hempstead Lake	15321.4*	Max WS	42.99	42.98	0.01	0.00		414.23	4308.53	2594.95	806.03
Hempstead Lake	15301.1*	Max WS	42.99	42.98	0.01	0.00		384.42	4302.19	2630.43	786.50
Hempstead Lake	15280.9*	Max WS	42.99	42.98	0.01	0.00		362.02	4269.23	2685.23	762.67
Hempstead Lake	15260.7*	Max WS	42.99	42.98	0.01	0.00		336.64	4294.64	2684.75	761.45
Hempstead Lake	15240.4*	Max WS	42.99	42.98	0.01	0.00		311.07	4317.49	2687.11	760.28
Hempstead Lake	15220.2*	Max WS	42.99	42.98	0.01	0.00		294.25	4334.11	2687.06	759.78
Hempstead Lake	15200.02	Max WS	42.99	42.98	0.01	0.00		268.82	4352.54	2693.93	759.00
Hempstead Lake	15180.7*	Max WS	42.99	42.98	0.01	0.00		297.23	4533.77	2480.87	787.39
Hempstead Lake	15161.4*	Max WS	42.99	42.98	0.01	0.00		322.81	4687.13	2300.43	812.76
Hempstead Lake	15142.1*	Max WS	42.99	42.98	0.01	0.00		346.60	4830.08	2132.24	840.84
Hempstead Lake	15122.8*	Max WS	42.99	42.98	0.01	0.00		368.12	4948.57	1990.82	864.54
Hempstead Lake	15103.5*	Max WS	42.99	42.98	0.01	0.00		382.14	5054.05	1869.98	888.35
Hempstead Lake	15084.2*	Max WS	42.99	42.98	0.01	0.00		403.61	5141.92	1759.36	910.97
Hempstead Lake	15064.9*	Max WS	42.99	42.98	0.01	0.00		421.01	5222.17	1660.49	931.53
Hempstead Lake	15045.6*	Max WS	42.99	42.98	0.01	0.00		439.51	5293.49	1569.53	951.03
Hempstead Lake	15026.4*	Max WS	42.99	42.98	0.01	0.00		459.25	5357.08	1485.14	969.74
Hempstead Lake	15007.1*	Max WS	42.99	42.98	0.01	0.00		479.47	5414.00	1407.04	987.76
Hempstead Lake	14987.82	Max WS	42.99	42.98	0.00	0.00		208.66	5699.45	1391.52	1005.22
Hempstead Lake	14966.6*	Max WS	42.99	42.98	0.00	0.00		345.56	5749.86	1247.02	1027.16
Hempstead Lake	14945.4*	Max WS	42.99	42.98	0.00	0.00		317.36	5889.32	1135.01	1049.34
Hempstead Lake	14924.3*	Max WS	42.99	42.98	0.00	0.00		290.29	6019.11	1031.68	1072.05
Hempstead Lake	14903.1*	Max WS	42.99	42.98	0.00	0.00		263.96	6140.70	935.97	1095.25
Hempstead Lake	14882.*	Max WS	42.99	42.98	0.00	0.00		238.28	6254.19	847.86	1119.56
Hempstead Lake	14860.8*	Max WS	42.99	42.98	0.00	0.00		218.35	6355.86	765.98	1400.24
Hempstead Lake	14839.6*	Max WS	42.99	42.98	0.00	0.00		215.51	6412.79	686.98	1517.68
Hempstead Lake	14818.5*	Max WS	42.99	42.98	0.00	0.00		229.07	6468.20	614.79	1628.23
Hempstead Lake	14797.35	Max WS	42.99	42.98	0.00	0.00		108.18	6965.66	234.96	1720.41
Hempstead Lake	14777.4*	Max WS	42.98	42.98	0.00	0.00		230.66	6561.05	514.18	1728.66
Hempstead Lake	14757.4*	Max WS	42.98	42.98	0.00	0.00		215.87	6599.62	487.68	1738.84
Hempstead Lake	14737.5*	Max WS	42.98	42.98	0.00	0.00		197.88	6646.81	455.95	1745.60
Hempstead Lake	14717.5*	Max WS	42.98	42.98	0.00	0.00		190.69	6676.15	431.51	1751.05
Hempstead Lake	14697.6*	Max WS	42.98	42.98	0.00	0.00		186.26	6701.93	408.08	1753.94
Hempstead Lake	14677.6*	Max WS	42.98	42.98	0.00	0.00		184.94	6723.94	385.54	1745.56
Hempstead Lake	14657.7*	Max WS	42.98	42.98	0.00	0.00		183.10	6750.76	358.95	1731.52
Hempstead Lake	14637.7*	Max WS	42.98	42.98	0.00	0.00		186.05	6767.84	337.63	1618.38
Hempstead Lake	14617.8*	Max WS	42.98	42.98	0.00	0.00		184.74	6787.81	317.98	1523.39
Hempstead Lake	14597.8*	Max WS	42.98	42.98	0.00	0.00		187.83	6802.20	299.80	1551.04
Hempstead Lake	14577.9*	Max WS	42.98	42.98	0.00	0.00		186.73	6824.42	278.21	1585.67
Hempstead Lake	14557.9*	Max WS	42.98	42.98	0.00	0.00		187.33	6843.69	258.13	1663.20
Hempstead Lake	14538.0*	Max WS	42.98	42.98	0.00	0.00		188.51	6808.14	239.18	1717.58
Hempstead Lake	14518.0*	Max WS	42.98	42.98	0.00	0.00		186.00	6816.04	230.37	1743.29
Hempstead Lake	14498.1*	Max WS	42.98	42.98	0.00	0.00		182.19	6820.01	226.97	1765.63
Hempstead Lake	14478.1*	Max WS	42.98	42.98	0.00	0.00		182.65	6820.23	223.23	1780.38
Hempstead Lake	14458.2*	Max WS	42.98	42.98	0.00	0.00		182.26	6821.70	219.32	1793.19
Hempstead Lake	14438.2*	Max WS	42.98	42.98	0.00	0.00		175.94	6835.65	209.07	1804.38
Hempstead Lake	14418.3*	Max WS	42.98	42.98	0.00	0.00		173.30	6841.36	203.60	1816.17
Hempstead Lake	14398.37	Max WS	42.98	42.98	0.00	0.00		94.43	6922.05	199.65	1829.36
Hempstead Lake	14378.3*	Max WS	42.98	42.98	0.00	0.00		98.17	6906.98	209.11	1810.43
Hempstead Lake	14358.3*	Max WS	42.98	42.98	0.00	0.00		101.72	6891.97	218.99	1791.03
Hempstead Lake	14338.2*	Max WS	42.98	42.98	0.00	0.00		105.27	6876.81	229.32	1771.45
Hempstead Lake	14318.2*	Max WS	42.98	42.98	0.00	0.00		108.52	6861.75	240.16	1752.59
Hempstead Lake	14298.2*	Max WS	42.98	42.98	0.00	0.00		111.40	6846.73	251.65	1734.32
Hempstead Lake	14278.1*	Max WS	42.98	42.98	0.00	0.00		114.05	6831.60	263.82	1717.02
Hempstead Lake	14258.1*	Max WS	42.98	42.98	0.00	0.00		115.16	6748.27	273.80	1700.71
Hempstead Lake	14238.1*	Max WS	42.98	42.98	0.00	0.00		116.92	6729.73	287.06	1685.64
Hempstead Lake	14218.0*	Max WS	42.98	42.98	0.00	0.00		118.22	6710.85	301.35	1788.48
Hempstead Lake	14198.0*	Max WS	42.98	42.98	0.00	0.00		119.79	6689.79	317.71	1810.63
Hempstead Lake	14178.0*	Max WS	42.98	42.98	0.00	0.00		120.88	6668.10	335.39	1830.65
Hempstead Lake	14157.9*	Max WS	42.98	42.98	0.00	0.00		121.80	6645.67	354.27	1861.44
Hempstead Lake	14137.9*	Max WS	42.98	42.98	0.00	0.00		105.29	6639.62	374.51	1873.66
Hempstead Lake	14117.9*	Max WS	42.98	42.98	0.00	0.00		114.44	6607.59	395.45	1839.57

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	42.98	42.98	0.00	0.00		122.66	6573.71	419.59	1802.32
Hempstead Lake	14077.8*	Max WS	42.98	42.98	0.00	0.00		129.63	6539.42	445.80	1764.59
Hempstead Lake	14057.8*	Max WS	42.98	42.98	0.00	0.00		135.31	6505.00	473.85	1726.57
Hempstead Lake	14037.7*	Max WS	42.98	42.98	0.00	0.00		139.27	6470.65	503.97	1688.16
Hempstead Lake	14017.75	Max WS	42.98	42.98	0.00	0.00		138.80	6369.27	526.71	1649.50
Hempstead Lake	13998.2*	Max WS	42.98	42.98	0.00	0.00		261.17	6110.17	660.05	1640.37
Hempstead Lake	13978.6*	Max WS	42.98	42.98	0.00	0.00		266.34	6130.08	631.87	1631.16
Hempstead Lake	13959.1*	Max WS	42.98	42.98	0.00	0.00		268.84	6149.86	606.75	1621.92
Hempstead Lake	13939.6*	Max WS	42.98	42.98	0.00	0.00		271.20	6169.79	581.92	1612.72
Hempstead Lake	13920.0*	Max WS	42.98	42.98	0.00	0.00		269.64	6201.22	549.80	1603.51
Hempstead Lake	13900.5*	Max WS	42.98	42.97	0.00	0.00		271.74	6220.46	526.53	1593.68
Hempstead Lake	13881.*	Max WS	42.98	42.97	0.00	0.00		272.88	6239.47	504.77	1581.65
Hempstead Lake	13861.4*	Max WS	42.98	42.97	0.00	0.00		272.19	6269.83	473.83	1570.14
Hempstead Lake	13841.9*	Max WS	42.98	42.97	0.00	0.00		271.66	6291.17	452.09	1559.14
Hempstead Lake	13822.3*	Max WS	42.98	42.97	0.00	0.00		265.60	6324.92	423.86	1547.45
Hempstead Lake	13802.8*	Max WS	42.98	42.97	0.00	0.00		260.34	6280.63	399.76	1535.47
Hempstead Lake	13783.3*	Max WS	42.98	42.97	0.00	0.00		253.00	6310.42	373.52	1525.11
Hempstead Lake	13763.7*	Max WS	42.98	42.97	0.00	0.00		246.98	6335.98	350.46	1516.14
Hempstead Lake	13744.2*	Max WS	42.98	42.97	0.00	0.00		240.56	6366.59	323.01	1508.35
Hempstead Lake	13724.7*	Max WS	42.98	42.97	0.00	0.00		233.56	6393.19	300.44	1501.65
Hempstead Lake	13705.1*	Max WS	42.97	42.97	0.00	0.00		219.92	6433.81	270.78	1495.76
Hempstead Lake	13685.63	Max WS	42.97	42.97	0.00	0.00		158.29	6577.84	186.01	1490.70
Hempstead Lake	13666.4*	Max WS	42.97	42.97	0.00	0.00		212.87	6453.74	253.53	1487.87
Hempstead Lake	13647.1*	Max WS	42.97	42.97	0.00	0.00		215.77	6449.14	253.56	1485.05
Hempstead Lake	13627.9*	Max WS	42.97	42.97	0.00	0.00		220.74	6437.48	258.90	1482.24
Hempstead Lake	13608.7*	Max WS	42.97	42.97	0.00	0.00		223.38	6434.66	258.06	1479.43
Hempstead Lake	13589.5*	Max WS	42.97	42.97	0.00	0.00		225.71	6432.93	256.77	1476.62
Hempstead Lake	13570.2*	Max WS	42.97	42.97	0.00	0.00		227.43	6433.09	254.56	1473.83
Hempstead Lake	13551.0*	Max WS	42.97	42.97	0.00	0.00		230.40	6354.87	255.52	1471.05
Hempstead Lake	13531.8*	Max WS	42.97	42.97	0.00	0.00		232.97	6350.06	253.76	1468.27
Hempstead Lake	13512.6*	Max WS	42.97	42.97	0.00	0.00		235.89	6345.03	252.07	1465.43
Hempstead Lake	13493.3*	Max WS	42.97	42.97	0.00	0.00		239.09	6339.81	250.51	1462.62
Hempstead Lake	13474.1*	Max WS	42.97	42.97	0.00	0.00		243.50	6332.69	249.87	1459.88
Hempstead Lake	13454.9*	Max WS	42.97	42.97	0.00	0.00		254.20	6312.29	256.50	1457.21
Hempstead Lake	13435.72	Max WS	42.97	42.97	0.00	0.00		223.34	6024.43	572.42	1454.59
Hempstead Lake	13419.3*	Max WS	42.97	42.97	0.00	0.00		242.37	6334.91	240.75	1458.37
Hempstead Lake	13403.0*	Max WS	42.97	42.97	0.00	0.00		249.70	6339.50	226.89	1462.15
Hempstead Lake	13386.6*	Max WS	42.97	42.97	0.00	0.00		256.37	6345.55	212.45	1465.90
Hempstead Lake	13370.3*	Max WS	42.97	42.97	0.00	0.00		256.51	6362.88	193.52	1469.63
Hempstead Lake	13354.*	Max WS	42.97	42.97	0.00	0.00		261.09	6371.87	178.74	1473.35
Hempstead Lake	13337.6*	Max WS	42.97	42.97	0.00	0.00		264.58	6381.94	164.22	1477.04
Hempstead Lake	13321.3*	Max WS	42.97	42.97	0.00	0.00		266.17	6394.70	149.20	1480.66
Hempstead Lake	13304.9*	Max WS	42.97	42.97	0.00	0.00		267.71	6406.75	135.25	1484.31
Hempstead Lake	13288.6*	Max WS	42.97	42.97	0.00	0.00		265.53	6347.50	120.46	1487.93
Hempstead Lake	13272.29	Max WS	42.97	42.97	0.00	0.00		222.96	6421.51	84.86	1491.53
Hempstead Lake	13255.0*	Max WS	42.97	42.97	0.00	0.00		219.36	6418.40	87.15	1493.76
Hempstead Lake	13237.8*	Max WS	42.97	42.97	0.00	0.00		220.60	6410.09	89.98	1495.99
Hempstead Lake	13220.5*	Max WS	42.97	42.97	0.00	0.00		222.19	6401.55	92.84	1498.13
Hempstead Lake	13203.3*	Max WS	42.97	42.97	0.00	0.00		219.18	6399.95	93.58	1500.22
Hempstead Lake	13186.0*	Max WS	42.97	42.97	0.00	0.00		221.11	6391.46	96.46	1502.32
Hempstead Lake	13168.8*	Max WS	42.97	42.97	0.00	0.00		223.12	6383.17	99.25	1504.31
Hempstead Lake	13151.6*	Max WS	42.97	42.97	0.00	0.00		225.09	6375.23	101.96	1506.21
Hempstead Lake	13134.3*	Max WS	42.97	42.97	0.00	0.00		225.73	6369.49	104.05	1508.12
Hempstead Lake	13117.1*	Max WS	42.97	42.97	0.00	0.00		226.46	6363.99	106.06	1509.88
Hempstead Lake	13099.8*	Max WS	42.97	42.97	0.00	0.00		222.35	6365.98	105.69	1511.63
Hempstead Lake	13082.6*	Max WS	42.97	42.97	0.00	0.00		221.76	6363.13	106.92	1513.19
Hempstead Lake	13065.3*	Max WS	42.97	42.97	0.00	0.00		220.65	6361.44	107.83	1514.62
Hempstead Lake	13048.1*	Max WS	42.97	42.97	0.00	0.00		219.77	6359.78	108.80	1516.03
Hempstead Lake	13030.9*	Max WS	42.97	42.97	0.00	0.00		217.69	6360.42	109.01	1517.20
Hempstead Lake	13013.6*	Max WS	42.97	42.97	0.00	0.00		214.99	6362.23	109.01	1518.22
Hempstead Lake	12996.4*	Max WS	42.97	42.97	0.00	0.00		210.39	6367.48	107.86	1519.00
Hempstead Lake	12979.1*	Max WS	42.97	42.97	0.00	0.00		204.58	6287.18	106.04	1519.45
Hempstead Lake	12961.9*	Max WS	42.97	42.97	0.00	0.00		201.11	6285.66	105.49	1519.57
Hempstead Lake	12944.7*	Max WS	42.97	42.97	0.00	0.00		199.48	6281.52	105.86	1519.25
Hempstead Lake	12927.4*	Max WS	42.97	42.97	0.00	0.00		195.80	6280.61	105.19	1518.35
Hempstead Lake	12910.2*	Max WS	42.97	42.97	0.00	0.00		192.09	6279.68	104.72	1516.71
Hempstead Lake	12892.97	Max WS	42.97	42.97	0.00	0.00		135.37	6317.80	118.37	1514.07
Hempstead Lake	12881.0*	Max WS	42.97	42.96	0.00	0.00		171.39	7607.31	95.82	1512.28
Hempstead Lake	12869.1*	Max WS	42.97	42.96	0.00	0.00		171.03	7603.48	96.29	1510.87
Hempstead Lake	12857.1*	Max WS	42.97	42.96	0.00	0.00		170.54	7599.79	96.86	1509.18
Hempstead Lake	12845.2*	Max WS	42.97	42.96	0.00	0.00		170.14	7596.20	97.39	1507.45
Hempstead Lake	12833.3*	Max WS	42.97	42.96	0.00	0.00		169.70	7592.82	97.88	1505.36

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	42.97	42.96	0.00	0.00		169.36	7589.45	98.41	1503.21
Hempstead Lake	12809.4*	Max WS	42.97	42.96	0.00	0.00		168.99	7586.15	99.06	1500.72
Hempstead Lake	12797.5*	Max WS	42.97	42.96	0.00	0.00		168.55	7583.05	99.74	1497.87
Hempstead Lake	12785.6*	Max WS	42.97	42.96	0.00	0.00		168.06	7580.05	100.54	1493.97
Hempstead Lake	12773.7*	Max WS	42.97	42.96	0.00	0.00		167.63	7577.07	101.45	1489.68
Hempstead Lake	12761.7*	Max WS	42.97	42.96	0.00	0.00		167.16	7574.07	102.63	1484.67
Hempstead Lake	12749.8*	Max WS	42.97	42.96	0.00	0.00		166.77	7570.99	104.02	1479.15
Hempstead Lake	12737.9*	Max WS	42.97	42.96	0.00	0.00		166.34	7567.91	105.68	1472.84
Hempstead Lake	12726.0*	Max WS	42.97	42.96	0.00	0.00		165.86	7564.92	107.54	1465.85
Hempstead Lake	12714.0*	Max WS	42.97	42.96	0.00	0.00		165.34	7562.59	109.02	1460.93
Hempstead Lake	12702.1*	Max WS	42.97	42.96	0.00	0.00		164.89	7560.31	110.65	1455.86
Hempstead Lake	12690.2*	Max WS	42.96	42.96	0.00	0.00		164.36	7558.27	112.38	1450.47
Hempstead Lake	12678.3*	Max WS	42.96	42.96	0.00	0.00		164.03	7555.94	114.50	1445.01
Hempstead Lake	12666.3*	Max WS	42.96	42.96	0.00	0.00		163.50	7554.08	116.65	1439.10
Hempstead Lake	12654.4*	Max WS	42.96	42.96	0.00	0.00		161.00	7459.09	117.47	1433.38
Hempstead Lake	12642.5*	Max WS	42.96	42.96	0.00	0.00		160.42	7452.46	119.20	1429.57
Hempstead Lake	12630.6*	Max WS	42.96	42.96	0.00	0.00		159.82	7445.91	120.87	1425.79
Hempstead Lake	12618.6*	Max WS	42.96	42.96	0.00	0.00		159.29	7439.10	122.76	1422.09
Hempstead Lake	12606.7*	Max WS	42.96	42.96	0.00	0.00		158.66	7432.49	124.56	1418.33
Hempstead Lake	12594.8*	Max WS	42.96	42.96	0.00	0.00		158.05	7425.75	126.47	1414.75
Hempstead Lake	12582.9*	Max WS	42.96	42.96	0.00	0.00		157.43	7419.10	128.31	1411.12
Hempstead Lake	12570.9*	Max WS	42.96	42.96	0.00	0.00		156.74	7412.44	130.26	1407.61
Hempstead Lake	12559.0*	Max WS	42.96	42.96	0.00	0.00		156.14	7405.76	132.15	1404.53
Hempstead Lake	12547.1*	Max WS	42.96	42.96	0.00	0.00		155.62	7399.46	133.58	1402.41
Hempstead Lake	12535.2*	Max WS	42.96	42.96	0.00	0.00		154.92	7393.31	135.06	1400.38
Hempstead Lake	12523.27	Max WS	42.96	42.96	0.00	0.00		154.45	7393.01	130.45	1398.28
Hempstead Lake	12515.8*	Max WS	42.96	42.96	0.00	0.00		231.06	7876.33	137.85	1385.26
Hempstead Lake	12508.3*	Max WS	42.96	42.96	0.00	0.00		245.63	7861.31	135.48	1372.17
Hempstead Lake	12500.9*	Max WS	42.96	42.96	0.00	0.00		256.85	7850.18	132.58	1359.13
Hempstead Lake	12493.4*	Max WS	42.96	42.96	0.00	0.00		267.79	7840.11	128.94	1345.99
Hempstead Lake	12486.0*	Max WS	42.96	42.96	0.00	0.00		281.63	7827.79	124.67	1332.89
Hempstead Lake	12478.5*	Max WS	42.96	42.96	0.00	0.00		291.84	7819.71	119.83	1319.70
Hempstead Lake	12471.1*	Max WS	42.96	42.96	0.00	0.00		301.31	7812.77	114.62	1306.55
Hempstead Lake	12463.7*	Max WS	42.96	42.96	0.00	0.00		314.48	7802.64	108.93	1293.29
Hempstead Lake	12456.2*	Max WS	42.96	42.96	0.00	0.00		323.20	7797.22	102.99	1280.06
Hempstead Lake	12448.8*	Max WS	42.96	42.96	0.00	0.00		331.23	7792.90	96.68	1266.67
Hempstead Lake	12441.3*	Max WS	42.96	42.96	0.00	0.00		343.47	7784.49	90.29	1253.31
Hempstead Lake	12433.9*	Max WS	42.96	42.96	0.00	0.00		356.33	7774.28	85.09	1239.80
Hempstead Lake	12426.4*	Max WS	42.96	42.96	0.00	0.00		362.70	7772.17	78.32	1226.26
Hempstead Lake	12419.0*	Max WS	42.96	42.96	0.00	0.00		373.44	7765.88	71.38	1212.52
Hempstead Lake	12411.5*	Max WS	42.96	42.96	0.00	0.00		378.65	7764.94	64.65	1198.62
Hempstead Lake	12404.1*	Max WS	42.96	42.96	0.00	0.00		383.15	7764.60	58.07	1184.54
Hempstead Lake	12396.6*	Max WS	42.96	42.96	0.00	0.00		386.79	7765.04	51.61	1170.09
Hempstead Lake	12389.2*	Max WS	42.96	42.96	0.00	0.00		395.54	7760.16	45.37	1155.25
Hempstead Lake	12381.8*	Max WS	42.96	42.96	0.00	0.00		401.70	7757.09	39.96	1139.72
Hempstead Lake	12374.3*	Max WS	42.96	42.96	0.00	0.00		402.42	7758.77	35.26	1120.56
Hempstead Lake	12366.9*	Max WS	42.96	42.96	0.00	0.00		408.68	7756.03	29.47	1106.25
Hempstead Lake	12359.46	Max WS	42.96	42.96	0.00	0.00		183.91	7997.13	10.91	1091.75
Hempstead Lake	12350.7*	Max WS	42.96	42.96	0.00	0.00		431.24	8112.37	26.55	1077.94
Hempstead Lake	12342.0*	Max WS	42.96	42.96	0.00	0.00		435.27	8104.32	27.84	1064.12
Hempstead Lake	12333.3*	Max WS	42.96	42.96	0.00	0.00		438.99	8096.63	29.13	1050.24
Hempstead Lake	12324.7*	Max WS	42.96	42.96	0.00	0.00		436.62	8096.23	29.23	1041.22
Hempstead Lake	12316.0*	Max WS	42.96	42.96	0.00	0.00		440.63	8088.82	30.00	1030.55
Hempstead Lake	12307.3*	Max WS	42.96	42.96	0.00	0.00		444.44	8081.62	30.77	1019.74
Hempstead Lake	12298.6*	Max WS	42.96	42.96	0.00	0.00		448.18	8074.35	31.71	1008.70
Hempstead Lake	12289.9*	Max WS	42.96	42.96	0.00	0.00		447.89	8071.27	32.53	997.60
Hempstead Lake	12281.2*	Max WS	42.96	42.96	0.00	0.00		451.41	8064.11	33.62	986.22
Hempstead Lake	12272.5*	Max WS	42.96	42.96	0.00	0.00		448.89	8062.90	34.86	974.81
Hempstead Lake	12263.8*	Max WS	42.96	42.96	0.00	0.00		452.26	8055.74	36.17	963.10
Hempstead Lake	12255.1*	Max WS	42.96	42.96	0.00	0.00		455.36	8048.77	37.60	951.20
Hempstead Lake	12246.4*	Max WS	42.96	42.96	0.00	0.00		458.43	8041.82	39.07	939.35
Hempstead Lake	12237.7*	Max WS	42.96	42.96	0.01	0.00		461.02	8035.22	40.70	927.13
Hempstead Lake	12229.1*	Max WS	42.96	42.96	0.01	0.00		463.85	8028.36	42.37	914.99
Hempstead Lake	12220.4*	Max WS	42.96	42.96	0.01	0.00		460.93	8027.19	44.14	902.45
Hempstead Lake	12211.7*	Max WS	42.96	42.96	0.01	0.00		463.46	8020.45	46.07	890.04
Hempstead Lake	12203.0*	Max WS	42.96	42.96	0.01	0.00		465.69	8014.06	47.95	877.31
Hempstead Lake	12194.3*	Max WS	42.96	42.96	0.01	0.00		467.52	8008.11	49.82	864.65
Hempstead Lake	12185.6*	Max WS	42.96	42.95	0.01	0.00		469.35	8001.91	51.98	851.83
Hempstead Lake	12176.9*	Max WS	42.96	42.95	0.01	0.00		471.15	7995.78	54.13	838.63
Hempstead Lake	12168.2*	Max WS	42.96	42.95	0.01	0.00		463.53	7999.42	55.96	825.46
Hempstead Lake	12159.5*	Max WS	42.96	42.95	0.01	0.00		464.73	7993.75	58.31	811.97
Hempstead Lake	12150.8*	Max WS	42.96	42.95	0.01	0.00		465.49	7988.57	60.65	798.58

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	42.96	42.95	0.01	0.00		430.28	8024.11	58.28	784.90
Hempstead Lake	12133.5*	Max WS	42.96	42.95	0.01	0.00		428.11	8022.25	60.30	771.13
Hempstead Lake	12124.8*	Max WS	42.96	42.95	0.01	0.00		425.60	8020.78	62.31	757.39
Hempstead Lake	12116.1*	Max WS	42.96	42.95	0.01	0.00		418.64	8023.82	64.29	743.42
Hempstead Lake	12107.4*	Max WS	42.96	42.95	0.01	0.00		415.09	8023.32	66.44	729.30
Hempstead Lake	12098.7*	Max WS	42.96	42.95	0.01	0.00		411.12	8023.50	68.37	715.12
Hempstead Lake	12090.0*	Max WS	42.96	42.95	0.01	0.00		406.98	8023.85	70.33	700.83
Hempstead Lake	12081.3*	Max WS	42.96	42.95	0.01	0.00		402.31	8024.62	72.44	686.48
Hempstead Lake	12072.6*	Max WS	42.96	42.95	0.01	0.00		397.26	8026.06	74.30	671.99
Hempstead Lake	12063.9*	Max WS	42.96	42.95	0.01	0.00		387.93	8031.64	76.33	657.42
Hempstead Lake	12055.2*	Max WS	42.96	42.95	0.01	0.00		373.84	8043.80	76.59	642.89
Hempstead Lake	12046.5*	Max WS	42.96	42.94	0.02	0.00		367.22	8047.07	78.29	628.21
Hempstead Lake	12037.9*	Max WS	42.96	42.94	0.02	0.00		359.93	8051.02	80.02	613.39
Hempstead Lake	12029.2*	Max WS	42.96	42.94	0.02	0.00		352.04	8055.80	81.56	598.56
Hempstead Lake	12020.5*	Max WS	42.96	42.94	0.02	0.00		343.65	8060.85	83.35	583.13
Hempstead Lake	12011.8*	Max WS	42.96	42.94	0.02	0.00		331.40	8070.02	84.95	567.53
Hempstead Lake	12003.1*	Max WS	42.96	42.94	0.02	0.00		321.78	8076.64	86.49	551.97
Hempstead Lake	11994.45	Max WS	42.96	42.94	0.02	0.00		421.96	7917.56	143.97	536.20
Hempstead Lake	11989.45	Max WS	42.96	42.93	0.02			453.72	7937.74	152.27	535.89
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	39.59	38.96	0.63	0.00			3742.01		469.03
Hempstead Lake	11964.45	Max WS	40.22	40.16	0.06	0.00		512.80	9444.91	112.19	487.94
Hempstead Lake	11954.6*	Max WS	40.22	40.16	0.06	0.00		316.34	9664.71	88.30	495.99
Hempstead Lake	11944.8*	Max WS	40.22	40.16	0.06	0.00		327.80	9642.23	98.76	505.07
Hempstead Lake	11934.9*	Max WS	40.22	40.15	0.06	0.00		337.31	9620.04	110.88	516.29
Hempstead Lake	11925.1*	Max WS	40.22	40.15	0.07	0.00		347.83	9593.38	126.45	527.74
Hempstead Lake	11915.3*	Max WS	40.22	40.15	0.07	0.00		438.35	9450.08	178.68	539.60
Hempstead Lake	11905.5*	Max WS	40.22	40.15	0.07	0.00		442.90	9418.87	204.77	550.70
Hempstead Lake	11895.6*	Max WS	40.21	40.15	0.07	0.00		447.01	9382.19	236.78	562.38
Hempstead Lake	11885.8*	Max WS	40.21	40.14	0.07	0.00		449.72	9341.40	274.28	574.75
Hempstead Lake	11876.0*	Max WS	40.21	40.14	0.07	0.00		451.99	9292.84	319.99	587.17
Hempstead Lake	11866.2*	Max WS	40.21	40.14	0.07	0.00		452.28	9238.97	372.99	600.24
Hempstead Lake	11856.4*	Max WS	40.21	40.13	0.07	0.00		451.22	9167.63	444.81	604.50
Hempstead Lake	11846.5*	Max WS	40.21	40.13	0.07	0.00		449.95	9085.76	527.38	606.16
Hempstead Lake	11836.7*	Max WS	40.20	40.13	0.07	0.00		446.50	8998.71	617.31	607.82
Hempstead Lake	11826.9*	Max WS	40.20	40.12	0.08	0.00		390.87	9039.75	631.34	609.47
Hempstead Lake	11817.1*	Max WS	40.20	40.12	0.08	0.00		389.05	8942.90	729.47	611.13
Hempstead Lake	11807.2*	Max WS	40.20	40.12	0.08	0.00		385.93	8840.52	834.40	612.78
Hempstead Lake	11797.46	Max WS	40.20	40.12	0.08	0.00		310.57	8803.43	946.31	614.44
Hempstead Lake	11792.46	Max WS	40.20	40.12	0.08			321.51	8881.38	857.09	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	38.67	38.43	0.24	0.01		473.88	9410.67	188.51	614.44
Hempstead Lake	11627.46	Max WS	38.66	38.44	0.22	0.01		461.11	9468.05	143.61	614.44
Hempstead Lake	11623.2*	Max WS	38.65	38.47	0.18	0.01		762.45	8965.54	344.51	645.38
Hempstead Lake	11619.1*	Max WS	38.64	38.48	0.16	0.00		784.49	8876.59	411.17	676.31
Hempstead Lake	11614.94	Max WS	38.64	38.48	0.16	0.00		493.31	9308.57	270.11	707.25
Hempstead Lake	11612.94	Max WS	38.64	38.48	0.16			487.87	9328.11	255.89	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	36.05	35.56	0.49	0.00			2886.70		681.51
Hempstead Lake	11596.94	Max WS	35.96	35.91	0.05	0.00		53.07	3198.73	10.11	689.83
Hempstead Lake	11573.9*	Max WS	35.95	35.93	0.03	0.00		78.54	3178.21	4.66	763.98
Hempstead Lake	11548.9*	Max WS	35.95	35.93	0.02	0.00		125.00	3132.90	3.03	838.01
Hempstead Lake	11523.9*	Max WS	35.95	35.94	0.01	0.00		192.25	3066.06	2.13	914.07
Hempstead Lake	11498.9*	Max WS	35.95	35.94	0.01	0.00		281.14	2977.21	1.55	991.28
Hempstead Lake	11473.9*	Max WS	35.95	35.94	0.01	0.00		395.69	2862.49	1.14	1069.20
Hempstead Lake	11448.9*	Max WS	35.95	35.94	0.00	0.00		518.71	2739.16	0.84	1147.57
Hempstead Lake	11423.9*	Max WS	35.95	35.94	0.00	0.00		651.30	2606.15	0.59	1222.74
Hempstead Lake	11398.9*	Max WS	35.95	35.95	0.00	0.00		802.23	2454.66	0.42	1293.49
Hempstead Lake	11373.9*	Max WS	35.95	35.95	0.00	0.00		945.09	2311.15	0.29	1364.84
Hempstead Lake	11349.*	Max WS	35.95	35.95	0.00	0.00		1087.78	2167.71	0.21	1436.51
Hempstead Lake	11324.*	Max WS	35.95	35.95	0.00	0.00		1255.83	1998.85	0.14	1508.27
Hempstead Lake	11299.0*	Max WS	35.95	35.95	0.00	0.00		1394.15	1859.62	0.09	1579.98
Hempstead Lake	11274.0*	Max WS	35.95	35.95	0.00	0.00		1528.47	1724.32	0.06	1618.13
Hempstead Lake	11249.0*	Max WS	35.95	35.95	0.00	0.00		1676.84	1574.93	0.04	1661.93
Hempstead Lake	11224.0*	Max WS	35.95	35.95	0.00	0.00		1799.42	1451.28	0.03	1724.47
Hempstead Lake	11199.0*	Max WS	35.95	35.95	0.00	0.00		1914.86	1334.72	0.02	1787.38
Hempstead Lake	11174.0*	Max WS	35.95	35.95	0.00	0.00		2023.44	1224.96	0.01	1853.55
Hempstead Lake	11149.0*	Max WS	35.95	35.95	0.00	0.00		2145.36	1101.82	0.01	1923.22
Hempstead Lake	11124.0*	Max WS	35.95	35.95	0.00	0.00		2239.68	1006.21	0.00	1992.82
Hempstead Lake	11099.0*	Max WS	35.95	35.95	0.00	0.00		2326.90	917.63	0.00	2062.80
Hempstead Lake	11074.0*	Max WS	35.95	35.95	0.00	0.00		2427.20	815.94	0.00	2132.68
Hempstead Lake	11049.07	Max WS	35.95	35.95	0.00	0.00		1865.57	1376.12	0.00	2202.66

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	35.95	35.95	0.00	0.00		2433.98	806.85	0.00	2177.10
Hempstead Lake	11027.7*	Max WS	35.95	35.95	0.00	0.00		2385.40	854.57		2151.40
Hempstead Lake	11017.0*	Max WS	35.95	35.95	0.00	0.00		2313.57	925.55		2125.90
Hempstead Lake	11006.4*	Max WS	35.95	35.95	0.00	0.00		2237.63	1000.65		2100.46
Hempstead Lake	10995.7*	Max WS	35.95	35.95	0.00	0.00		2179.21	1058.25		2076.78
Hempstead Lake	10985.0*	Max WS	35.95	35.95	0.00	0.00		2095.70	1140.94		2053.20
Hempstead Lake	10974.4*	Max WS	35.95	35.94	0.00	0.00		2030.60	1205.21		2029.46
Hempstead Lake	10963.7*	Max WS	35.95	35.94	0.00	0.00		1940.15	1294.87		1999.66
Hempstead Lake	10953.1*	Max WS	35.95	35.94	0.00	0.00		1847.38	1386.86		1869.19
Hempstead Lake	10942.4*	Max WS	35.95	35.94	0.00	0.00		1773.72	1459.78		1789.18
Hempstead Lake	10931.7*	Max WS	35.94	35.94	0.00	0.00		1674.74	1558.04		1769.71
Hempstead Lake	10921.1*	Max WS	35.94	35.94	0.00	0.00		1573.90	1658.17		1750.15
Hempstead Lake	10910.4*	Max WS	35.94	35.94	0.00	0.00		1492.27	1739.10		1731.14
Hempstead Lake	10899.7*	Max WS	35.94	35.94	0.00	0.00		1388.24	1842.43		1712.05
Hempstead Lake	10889.1*	Max WS	35.94	35.94	0.00	0.00		1284.29	1945.71		1693.26
Hempstead Lake	10878.4*	Max WS	35.94	35.94	0.00	0.00		1199.62	2029.70		1674.27
Hempstead Lake	10867.8*	Max WS	35.94	35.94	0.00	0.00		1096.30	2132.36		1655.28
Hempstead Lake	10857.1*	Max WS	35.94	35.94	0.00	0.00		1012.06	2215.95		1636.54
Hempstead Lake	10846.4*	Max WS	35.94	35.94	0.00	0.00		912.75	2314.63		1617.71
Hempstead Lake	10835.8*	Max WS	35.94	35.94	0.00	0.00		817.01	2409.76		1598.94
Hempstead Lake	10825.1*	Max WS	35.94	35.94	0.00	0.00		738.37	2487.79		1580.40
Hempstead Lake	10814.4*	Max WS	35.94	35.94	0.00	0.00		650.36	2575.21		1561.76
Hempstead Lake	10803.8*	Max WS	35.94	35.94	0.00	0.00		567.53	2657.47		1543.25
Hempstead Lake	10793.1*	Max WS	35.94	35.94	0.00	0.00		499.77	2724.66		1524.78
Hempstead Lake	10782.4*	Max WS	35.94	35.94	0.00	0.00		430.45	2793.44		1506.37
Hempstead Lake	10771.8*	Max WS	35.94	35.94	0.00	0.00		367.47	2855.89		1488.11
Hempstead Lake	10761.1*	Max WS	35.94	35.94	0.00	0.00		316.79	2906.07		1469.85
Hempstead Lake	10750.5*	Max WS	35.94	35.94	0.00	0.00		265.14	2957.22		1451.62
Hempstead Lake	10739.8*	Max WS	35.94	35.94	0.00	0.00		219.28	3002.61		1433.50
Hempstead Lake	10729.1*	Max WS	35.94	35.94	0.00	0.00		182.66	3038.78		1415.44
Hempstead Lake	10718.5*	Max WS	35.94	35.94	0.00	0.00		147.31	3073.68		1397.54
Hempstead Lake	10707.8*	Max WS	35.94	35.94	0.00	0.00		119.16	3101.41		1379.83
Hempstead Lake	10697.1*	Max WS	35.94	35.94	0.00	0.00		93.03	3127.13		1362.02
Hempstead Lake	10686.5*	Max WS	35.94	35.94	0.00	0.00		71.37	3148.39		1343.65
Hempstead Lake	10675.8*	Max WS	35.94	35.94	0.00	0.00		54.57	3164.82		1325.36
Hempstead Lake	10665.2*	Max WS	35.94	35.94	0.00	0.00		39.86	3179.18		1307.52
Hempstead Lake	10654.5*	Max WS	35.94	35.94	0.00	0.00		28.24	3190.45		1289.82
Hempstead Lake	10643.8*	Max WS	35.94	35.94	0.00	0.00		19.59	3198.77		1272.71
Hempstead Lake	10633.2*	Max WS	35.94	35.94	0.00	0.00		12.67	3205.38		1255.83
Hempstead Lake	10622.5*	Max WS	35.94	35.94	0.00	0.00		7.67	3210.09		1239.26
Hempstead Lake	10611.8*	Max WS	35.94	35.94	0.00	0.00		4.29	3213.19		1223.46
Hempstead Lake	10601.2*	Max WS	35.94	35.94	0.00	0.00		2.03	3215.17		1207.88
Hempstead Lake	10590.5*	Max WS	35.94	35.94	0.00	0.00		0.77	3216.17		1192.48
Hempstead Lake	10579.8*	Max WS	35.94	35.94	0.00	0.00		0.17	3216.53		1177.30
Hempstead Lake	10569.23	Max WS	35.94	35.94	0.00	0.00		0.00	3216.46		1162.34
Hempstead Lake	10549.1*	Max WS	35.94	35.94	0.00	0.00		0.00	3216.23		1158.74
Hempstead Lake	10529.0*	Max WS	35.94	35.94	0.00	0.00		0.00	3216.02		1154.99
Hempstead Lake	10508.9*	Max WS	35.94	35.94	0.00	0.00		0.00	3215.82		1149.86
Hempstead Lake	10488.7*	Max WS	35.94	35.94	0.00	0.00			3215.63		1142.38
Hempstead Lake	10468.6*	Max WS	35.94	35.94	0.00	0.00			3215.45		1134.91
Hempstead Lake	10448.5*	Max WS	35.94	35.94	0.00	0.00			3215.28		1128.61
Hempstead Lake	10428.4*	Max WS	35.94	35.94	0.00	0.00			3215.12		1123.11
Hempstead Lake	10408.3*	Max WS	35.94	35.94	0.00	0.00			3214.97		1119.52
Hempstead Lake	10388.2*	Max WS	35.94	35.94	0.00	0.00			3214.83		1116.19
Hempstead Lake	10368.1*	Max WS	35.94	35.94	0.00	0.00			3214.70		1113.10
Hempstead Lake	10348.0*	Max WS	35.94	35.94	0.00	0.00			3214.57		1110.08
Hempstead Lake	10327.9*	Max WS	35.94	35.93	0.00	0.00			3214.46		1107.09
Hempstead Lake	10307.8*	Max WS	35.94	35.93	0.00	0.00			3214.35		1104.31
Hempstead Lake	10287.7*	Max WS	35.93	35.93	0.00	0.00			3214.26		1101.55
Hempstead Lake	10267.6*	Max WS	35.93	35.93	0.00	0.00			3214.17		1098.81
Hempstead Lake	10247.4*	Max WS	35.93	35.93	0.00	0.00			3214.09		1096.11
Hempstead Lake	10227.3*	Max WS	35.93	35.93	0.00	0.00			3214.01		1093.57
Hempstead Lake	10207.2*	Max WS	35.93	35.93	0.00	0.00			3213.95		1091.06
Hempstead Lake	10187.1*	Max WS	35.93	35.93	0.00	0.00			3213.88		1088.56
Hempstead Lake	10167.0*	Max WS	35.93	35.93	0.00	0.00			3213.83		1086.09
Hempstead Lake	10146.9*	Max WS	35.93	35.93	0.00	0.00			3213.78		1083.84
Hempstead Lake	10126.8*	Max WS	35.93	35.93	0.00	0.00			3213.73		1081.47
Hempstead Lake	10106.7*	Max WS	35.93	35.93	0.00	0.00			3213.69		1079.39
Hempstead Lake	10086.6*	Max WS	35.93	35.93	0.00	0.00		0.01	3213.65		1099.98
Hempstead Lake	10066.5*	Max WS	35.93	35.93	0.00	0.00		0.05	3213.57		1159.93
Hempstead Lake	10046.4*	Max WS	35.93	35.93	0.00	0.00		0.20	3213.41		1170.50
Hempstead Lake	10026.2*	Max WS	35.93	35.93	0.00	0.00		0.42	3213.18		1181.64

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	35.93	35.93	0.00	0.00		0.72	3212.87		1193.10
Hempstead Lake	9986.073	Max WS	35.93	35.93	0.00	0.00		0.98	3212.60		1204.61
Hempstead Lake	9965.77*	Max WS	35.93	35.93	0.00	0.00		0.82	3142.41		1202.70
Hempstead Lake	9945.47*	Max WS	35.93	35.93	0.00	0.00		0.66	3142.05	0.00	1199.59
Hempstead Lake	9925.18*	Max WS	35.93	35.93	0.00	0.00		0.51	3141.68	0.00	1196.14
Hempstead Lake	9904.88*	Max WS	35.93	35.93	0.00	0.00		0.37	3141.30	0.01	1191.20
Hempstead Lake	9884.59*	Max WS	35.93	35.93	0.00	0.00		0.25	3140.91	0.02	1185.73
Hempstead Lake	9864.29*	Max WS	35.93	35.93	0.00	0.00		0.14	3140.51	0.04	1181.52
Hempstead Lake	9843.99*	Max WS	35.93	35.93	0.00	0.00		0.07	3140.09	0.07	1158.71
Hempstead Lake	9823.7*	Max WS	35.93	35.93	0.00	0.00		0.05	3139.63	0.10	1109.13
Hempstead Lake	9803.40*	Max WS	35.93	35.93	0.00	0.00		0.02	3139.19	0.15	1095.03
Hempstead Lake	9783.10*	Max WS	35.93	35.93	0.00	0.00		0.01	3138.74	0.20	1078.99
Hempstead Lake	9762.81*	Max WS	35.93	35.93	0.00	0.00		0.02	3138.29	0.25	1061.09
Hempstead Lake	9742.51*	Max WS	35.93	35.93	0.00	0.00		0.03	3137.82	0.32	1048.20
Hempstead Lake	9722.21*	Max WS	35.93	35.93	0.00	0.00		0.05	3137.33	0.40	1045.96
Hempstead Lake	9701.92*	Max WS	35.93	35.93	0.00	0.00		0.08	3136.85	0.49	1043.85
Hempstead Lake	9681.62*	Max WS	35.93	35.93	0.00	0.00		0.12	3136.33	0.61	1041.37
Hempstead Lake	9661.32*	Max WS	35.93	35.93	0.00	0.00		0.16	3135.81	0.74	1038.94
Hempstead Lake	9641.03*	Max WS	35.93	35.92	0.00	0.00		0.21	3135.27	0.89	1036.27
Hempstead Lake	9620.73*	Max WS	35.93	35.92	0.00	0.00		0.27	3134.72	1.05	1033.49
Hempstead Lake	9600.43*	Max WS	35.92	35.92	0.00	0.00		0.35	3134.15	1.22	1030.70
Hempstead Lake	9580.14*	Max WS	35.92	35.92	0.00	0.00		0.41	3133.62	1.37	1027.94
Hempstead Lake	9559.84*	Max WS	35.92	35.92	0.00	0.00		0.50	3133.04	1.56	1025.05
Hempstead Lake	9539.54*	Max WS	35.92	35.92	0.00	0.00		0.60	3132.44	1.77	1022.06
Hempstead Lake	9519.25*	Max WS	35.92	35.92	0.00	0.00		0.69	3131.83	2.00	1020.28
Hempstead Lake	9498.95*	Max WS	35.92	35.92	0.00	0.00		0.77	3131.22	2.24	1020.12
Hempstead Lake	9478.65*	Max WS	35.92	35.92	0.00	0.00		0.86	3130.61	2.49	1018.45
Hempstead Lake	9458.36*	Max WS	35.92	35.92	0.00	0.00		0.99	3129.94	2.77	1015.02
Hempstead Lake	9438.06*	Max WS	35.92	35.92	0.00	0.00		1.14	3129.24	3.06	1011.55
Hempstead Lake	9417.76*	Max WS	35.92	35.92	0.00	0.00		1.30	3128.54	3.37	1008.92
Hempstead Lake	9397.47*	Max WS	35.92	35.92	0.00	0.00		1.48	3127.81	3.68	1006.97
Hempstead Lake	9377.17*	Max WS	35.92	35.92	0.00	0.00		1.66	3127.07	4.01	1005.11
Hempstead Lake	9356.87*	Max WS	35.92	35.92	0.00	0.00		1.86	3126.30	4.36	1002.94
Hempstead Lake	9336.58*	Max WS	35.92	35.92	0.00	0.00		2.08	3125.50	4.73	1000.79
Hempstead Lake	9316.28*	Max WS	35.92	35.92	0.00	0.00		2.31	3124.68	5.11	998.39
Hempstead Lake	9295.98*	Max WS	35.92	35.92	0.00	0.00		2.55	3123.84	5.52	996.20
Hempstead Lake	9275.69*	Max WS	35.92	35.92	0.00	0.00		2.81	3122.98	5.93	993.99
Hempstead Lake	9255.39*	Max WS	35.92	35.92	0.00	0.00		3.09	3122.07	6.38	991.84
Hempstead Lake	9235.09*	Max WS	35.92	35.92	0.00	0.00		3.38	3121.15	6.84	989.53
Hempstead Lake	9214.80*	Max WS	35.92	35.92	0.00	0.00		3.69	3120.20	7.32	987.37
Hempstead Lake	9194.50*	Max WS	35.92	35.92	0.00	0.00		4.02	3119.23	7.81	984.86
Hempstead Lake	9174.20*	Max WS	35.92	35.92	0.00	0.00		4.36	3118.22	8.34	982.73
Hempstead Lake	9153.910	Max WS	35.92	35.92	0.00	0.00		4.76	3118.33	7.70	980.39
Hempstead Lake	9133.22*	Max WS	35.92	35.92	0.00	0.00		4.78	3221.09	7.74	987.14
Hempstead Lake	9112.54*	Max WS	35.92	35.92	0.00	0.00		4.65	3221.28	7.56	993.94
Hempstead Lake	9091.85*	Max WS	35.92	35.92	0.00	0.00		4.55	3221.45	7.39	1000.91
Hempstead Lake	9071.17*	Max WS	35.92	35.91	0.00	0.00		4.43	3221.63	7.22	1007.92
Hempstead Lake	9050.49*	Max WS	35.92	35.91	0.00	0.00		4.33	3221.81	7.05	1014.93
Hempstead Lake	9029.80*	Max WS	35.91	35.91	0.00	0.00		4.21	3222.00	6.88	1022.15
Hempstead Lake	9009.12*	Max WS	35.91	35.91	0.00	0.00		4.10	3222.20	6.71	1029.66
Hempstead Lake	8988.44*	Max WS	35.91	35.91	0.00	0.00		3.98	3222.41	6.54	1037.20
Hempstead Lake	8967.75*	Max WS	35.91	35.91	0.00	0.00		3.89	3222.62	6.36	1044.97
Hempstead Lake	8947.07*	Max WS	35.91	35.91	0.00	0.00		3.78	3222.84	6.20	1052.87
Hempstead Lake	8926.39*	Max WS	35.91	35.91	0.00	0.00		3.67	3223.07	6.02	1060.89
Hempstead Lake	8905.70*	Max WS	35.91	35.91	0.00	0.00		3.69	3222.98	6.05	1069.04
Hempstead Lake	8885.02*	Max WS	35.91	35.91	0.00	0.00		3.59	3223.21	5.88	1077.49
Hempstead Lake	8864.33*	Max WS	35.91	35.91	0.00	0.00		3.49	3223.45	5.70	1086.06
Hempstead Lake	8843.65*	Max WS	35.91	35.91	0.00	0.00		3.40	3223.70	5.52	1094.99
Hempstead Lake	8822.97*	Max WS	35.91	35.91	0.00	0.00		3.30	3223.95	5.36	1104.22
Hempstead Lake	8802.28*	Max WS	35.91	35.91	0.00	0.00		3.22	3224.20	5.18	1113.58
Hempstead Lake	8781.60*	Max WS	35.91	35.91	0.00	0.00		3.05	3134.40	4.87	1124.01
Hempstead Lake	8760.92*	Max WS	35.91	35.91	0.00	0.00		2.99	3134.41	4.71	1134.49
Hempstead Lake	8740.23*	Max WS	35.91	35.91	0.00	0.00		2.91	3134.45	4.54	1145.42
Hempstead Lake	8719.55*	Max WS	35.91	35.91	0.00	0.00		2.74	3134.59	4.38	1165.57
Hempstead Lake	8698.86*	Max WS	35.91	35.91	0.00	0.00		2.52	3134.78	4.22	1197.63
Hempstead Lake	8678.18*	Max WS	35.91	35.91	0.00	0.00		2.36	3134.92	4.05	1238.46
Hempstead Lake	8657.50*	Max WS	35.91	35.91	0.00	0.00		2.21	3135.07	3.90	1302.17
Hempstead Lake	8636.81*	Max WS	35.91	35.91	0.00	0.00		2.34	3134.94	3.73	1347.51
Hempstead Lake	8616.13*	Max WS	35.91	35.91	0.00	0.00		2.59	3134.71	3.57	1383.91
Hempstead Lake	8595.45*	Max WS	35.91	35.91	0.00	0.00		2.85	3134.48	3.42	1435.67
Hempstead Lake	8574.76*	Max WS	35.91	35.91	0.00	0.00		3.21	3134.16	3.26	1482.76
Hempstead Lake	8554.08*	Max WS	35.91	35.91	0.00	0.00		3.73	3133.69	3.11	1513.32

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	35.91	35.91	0.00	0.00		4.39	3133.09	2.96	1531.64
Hempstead Lake	8512.71*	Max WS	35.91	35.90	0.00	0.00		5.07	3132.51	2.80	1554.99
Hempstead Lake	8492.03*	Max WS	35.90	35.90	0.00	0.00		5.81	3131.85	2.65	1578.58
Hempstead Lake	8471.34*	Max WS	35.90	35.90	0.00	0.00		6.62	3131.15	2.51	1601.31
Hempstead Lake	8450.66*	Max WS	35.90	35.90	0.00	0.00		7.28	3037.58	2.29	1622.54
Hempstead Lake	8429.980	Max WS	35.90	35.90	0.00	0.00		8.06	3036.77	2.12	1643.35
Hempstead Lake	8416.34*	Max WS	35.90	35.90	0.00	0.00		7.78	3036.94	2.12	1651.65
Hempstead Lake	8402.71*	Max WS	35.90	35.90	0.00	0.00		7.51	3037.10	2.12	1660.80
Hempstead Lake	8389.07*	Max WS	35.90	35.90	0.00	0.00		7.21	3037.31	2.12	1670.45
Hempstead Lake	8375.44*	Max WS	35.90	35.90	0.00	0.00		6.95	3037.48	2.12	1679.81
Hempstead Lake	8361.81*	Max WS	35.90	35.90	0.00	0.00		6.69	3037.68	2.12	1690.79
Hempstead Lake	8348.17*	Max WS	35.90	35.90	0.00	0.00		6.44	3037.86	2.12	1702.69
Hempstead Lake	8334.54*	Max WS	35.90	35.90	0.00	0.00		6.18	3038.06	2.13	1713.77
Hempstead Lake	8320.91*	Max WS	35.90	35.90	0.00	0.00		5.95	3038.25	2.13	1726.70
Hempstead Lake	8307.27*	Max WS	35.90	35.90	0.00	0.00		5.72	3038.44	2.13	1738.80
Hempstead Lake	8293.64*	Max WS	35.90	35.90	0.00	0.00		5.51	3038.64	2.13	1751.36
Hempstead Lake	8280.00*	Max WS	35.90	35.90	0.00	0.00		5.31	3038.83	2.13	1762.18
Hempstead Lake	8266.37*	Max WS	35.90	35.90	0.00	0.00		4.98	2945.83	2.07	1771.47
Hempstead Lake	8252.74*	Max WS	35.90	35.90	0.00	0.00		4.80	2945.92	2.07	1781.54
Hempstead Lake	8239.10*	Max WS	35.90	35.90	0.00	0.00		4.64	2946.02	2.07	1792.18
Hempstead Lake	8225.47*	Max WS	35.90	35.90	0.00	0.00		4.48	2946.12	2.07	1804.63
Hempstead Lake	8211.84*	Max WS	35.90	35.90	0.00	0.00		4.33	2946.24	2.07	1818.79
Hempstead Lake	8198.20*	Max WS	35.90	35.90	0.00	0.00		4.17	2946.37	2.07	1832.32
Hempstead Lake	8184.57*	Max WS	35.90	35.90	0.00	0.00		4.03	2946.49	2.07	1846.93
Hempstead Lake	8170.93*	Max WS	35.90	35.90	0.00	0.00		3.78	2854.64	2.01	1860.71
Hempstead Lake	8157.30*	Max WS	35.90	35.90	0.00	0.00		3.67	2854.70	2.01	1874.62
Hempstead Lake	8143.67*	Max WS	35.90	35.90	0.00	0.00		3.57	2854.75	2.01	1888.32
Hempstead Lake	8130.03*	Max WS	35.90	35.90	0.00	0.00		4.44	2853.85	2.01	1821.53
Hempstead Lake	8116.40*	Max WS	35.90	35.90	0.00	0.00		4.31	2764.02	1.95	1820.40
Hempstead Lake	8102.76*	Max WS	35.90	35.90	0.00	0.00		4.30	2763.96	1.95	1825.07
Hempstead Lake	8089.13*	Max WS	35.90	35.90	0.00	0.00		4.32	2763.91	1.95	1830.35
Hempstead Lake	8075.50*	Max WS	35.90	35.90	0.00	0.00		4.35	2763.86	1.95	1844.77
Hempstead Lake	8061.86*	Max WS	35.90	35.90	0.00	0.00		4.25	2676.72	1.89	1860.43
Hempstead Lake	8048.23*	Max WS	35.90	35.90	0.00	0.00		4.32	2676.61	1.89	1865.83
Hempstead Lake	8034.6*	Max WS	35.90	35.90	0.00	0.00		4.40	2676.51	1.89	1872.90
Hempstead Lake	8020.96*	Max WS	35.90	35.90	0.00	0.00		4.34	2592.69	1.83	1882.92
Hempstead Lake	8007.33*	Max WS	35.90	35.90	0.00	0.00		4.43	2592.55	1.83	1904.84
Hempstead Lake	7993.69*	Max WS	35.90	35.90	0.00	0.00		4.53	2592.44	1.83	1929.83
Hempstead Lake	7980.06*	Max WS	35.90	35.90	0.00	0.00		4.47	2512.47	1.78	1974.00
Hempstead Lake	7966.43*	Max WS	35.90	35.90	0.00	0.00		4.59	2512.30	1.77	2013.64
Hempstead Lake	7952.79*	Max WS	35.90	35.90	0.00	0.00		4.72	2512.15	1.78	2071.68
Hempstead Lake	7939.16*	Max WS	35.90	35.90	0.00	0.00		4.75	2436.45	1.72	2126.49
Hempstead Lake	7925.53*	Max WS	35.90	35.90	0.00	0.00		4.95	2436.21	1.72	2173.26
Hempstead Lake	7911.89*	Max WS	35.90	35.90	0.00	0.00		5.00	2365.29	1.68	2223.04
Hempstead Lake	7898.26*	Max WS	35.90	35.90	0.00	0.00		5.24	2365.00	1.67	2268.38
Hempstead Lake	7884.62*	Max WS	35.90	35.90	0.00	0.00		5.48	2364.73	1.68	2310.88
Hempstead Lake	7870.99*	Max WS	35.90	35.90	0.00	0.00		5.59	2298.92	1.63	2358.62
Hempstead Lake	7857.36*	Max WS	35.90	35.90	0.00	0.00		5.09	2239.34	1.59	2900.73
Hempstead Lake	7843.72*	Max WS	35.90	35.89	0.00	0.00		5.61	2238.73	1.59	2904.98
Hempstead Lake	7830.09*	Max WS	35.90	35.89	0.00	0.00		6.06	2184.14	1.55	2910.41
Hempstead Lake	7816.45*	Max WS	35.89	35.89	0.00	0.00		6.68	2183.44	1.55	2915.89
Hempstead Lake	7802.82*	Max WS	35.89	35.89	0.00	0.00		7.14	2135.24	1.52	2922.20
Hempstead Lake	7789.19*	Max WS	35.89	35.89	0.00	0.00		7.68	2093.80	1.49	2928.82
Hempstead Lake	7775.55*	Max WS	35.89	35.89	0.00	0.00		8.22	2059.64	1.46	2935.97
Hempstead Lake	7761.92*	Max WS	35.89	35.89	0.00	0.00		8.92	2058.91	1.47	2943.42
Hempstead Lake	7748.29*	Max WS	35.89	35.89	0.00	0.00		9.45	2014.34	1.43	2950.98
Hempstead Lake	7734.65*	Max WS	35.89	35.89	0.00	0.00		10.19	2009.14	1.43	2959.73
Hempstead Lake	7721.02*	Max WS	35.89	35.89	0.00	0.00		11.59	2118.32	1.51	2968.22
Hempstead Lake	7707.38*	Max WS	35.89	35.89	0.00	0.00		12.99	2218.98	1.58	2977.19
Hempstead Lake	7693.75*	Max WS	35.89	35.89	0.00	0.00		14.31	2279.28	1.62	2986.31
Hempstead Lake	7680.12*	Max WS	35.90	35.89	0.00	0.00		15.68	2345.99	1.68	2996.28
Hempstead Lake	7666.48*	Max WS	35.90	35.89	0.00	0.00		17.25	2418.58	1.73	3006.35
Hempstead Lake	7652.85*	Max WS	35.90	35.90	0.00	0.00		18.29	2417.48	1.73	3016.28
Hempstead Lake	7639.22*	Max WS	35.90	35.90	0.00	0.00		20.05	2495.54	1.79	3028.35
Hempstead Lake	7625.58*	Max WS	35.90	35.90	0.00	0.00		21.24	2494.25	1.80	3040.35
Hempstead Lake	7611.95*	Max WS	35.90	35.90	0.00	0.00		22.38	2493.06	1.80	3053.31
Hempstead Lake	7598.31*	Max WS	35.90	35.90	0.00	0.00		24.38	2575.97	1.87	3066.16
Hempstead Lake	7584.68*	Max WS	35.90	35.90	0.00	0.00		25.61	2574.76	1.74	3117.07
Hempstead Lake	7571.05*	Max WS	35.90	35.90	0.00	0.00		26.91	2573.39	1.73	3142.65
Hempstead Lake	7557.41*	Max WS	35.90	35.90	0.00	0.00		28.18	2572.04	1.77	3156.17
Hempstead Lake	7543.783	Max WS	35.90	35.90	0.00	0.00		29.86	2570.27	1.84	3170.41
Hempstead Lake	7530.03*	Max WS	35.90	35.90	0.00	0.00		33.01	2679.26	2.21	3185.72

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	35.90	35.90	0.00	0.00		34.28	2677.82	2.27	3203.77
Hempstead Lake	7502.53*	Max WS	35.90	35.90	0.00	0.00		35.56	2676.37	2.36	3220.96
Hempstead Lake	7488.79*	Max WS	35.90	35.90	0.00	0.00		36.87	2674.92	2.44	3239.08
Hempstead Lake	7475.04*	Max WS	35.90	35.90	0.00	0.00		38.22	2673.47	2.51	3265.49
Hempstead Lake	7461.29*	Max WS	35.90	35.90	0.00	0.00		40.92	2763.64	2.66	3300.73
Hempstead Lake	7447.54*	Max WS	35.90	35.90	0.00	0.00		42.34	2761.98	2.76	3320.84
Hempstead Lake	7433.79*	Max WS	35.90	35.90	0.00	0.00		43.77	2760.29	2.89	3327.74
Hempstead Lake	7420.04*	Max WS	35.90	35.90	0.00	0.00		45.24	2758.59	3.03	3334.80
Hempstead Lake	7406.3*	Max WS	35.90	35.90	0.00	0.00		46.73	2756.89	3.17	3342.13
Hempstead Lake	7392.55*	Max WS	35.90	35.90	0.00	0.00		48.25	2755.17	3.30	3349.46
Hempstead Lake	7378.80*	Max WS	35.90	35.90	0.00	0.00		49.79	2753.49	3.42	3358.04
Hempstead Lake	7365.05*	Max WS	35.90	35.90	0.00	0.00		53.10	2845.42	3.68	3365.74
Hempstead Lake	7351.30*	Max WS	35.90	35.90	0.00	0.00		54.72	2843.49	3.80	3374.09
Hempstead Lake	7337.55*	Max WS	35.90	35.90	0.00	0.00		56.34	2841.57	3.93	3383.35
Hempstead Lake	7323.81*	Max WS	35.90	35.90	0.00	0.00		57.96	2839.69	4.05	3393.61
Hempstead Lake	7310.06*	Max WS	35.90	35.90	0.00	0.00		59.61	2837.78	4.18	3406.49
Hempstead Lake	7296.31*	Max WS	35.90	35.90	0.00	0.00		61.26	2835.89	4.30	3418.65
Hempstead Lake	7282.56*	Max WS	35.90	35.90	0.00	0.00		62.93	2834.01	4.41	3431.15
Hempstead Lake	7268.81*	Max WS	35.90	35.90	0.00	0.00		64.64	2832.10	4.53	3445.17
Hempstead Lake	7255.06*	Max WS	35.90	35.90	0.00	0.00		66.35	2830.22	4.63	3458.92
Hempstead Lake	7241.32*	Max WS	35.90	35.90	0.00	0.00		68.12	2828.28	4.75	3473.67
Hempstead Lake	7227.57*	Max WS	35.90	35.90	0.00	0.00		72.20	2920.33	5.02	3489.23
Hempstead Lake	7213.82*	Max WS	35.90	35.90	0.00	0.00		71.61	2824.54	4.95	3505.53
Hempstead Lake	7200.07*	Max WS	35.90	35.90	0.00	0.00		75.81	2916.00	5.23	3520.71
Hempstead Lake	7186.32*	Max WS	35.90	35.90	0.00	0.00		77.70	2913.78	5.33	3538.55
Hempstead Lake	7172.57*	Max WS	35.90	35.90	0.00	0.00		79.53	2910.58	5.43	3557.53
Hempstead Lake	7158.83*	Max WS	35.90	35.90	0.00	0.00		81.38	2906.56	5.53	3576.09
Hempstead Lake	7145.08*	Max WS	35.90	35.90	0.00	0.00		83.10	2903.11	5.63	3602.60
Hempstead Lake	7131.33*	Max WS	35.90	35.90	0.00	0.00		84.86	2899.93	5.73	3630.23
Hempstead Lake	7117.58*	Max WS	35.90	35.90	0.00	0.00		86.64	2897.00	5.82	3659.31
Hempstead Lake	7103.83*	Max WS	35.90	35.90	0.00	0.00		88.47	2894.17	5.92	3686.52
Hempstead Lake	7090.08*	Max WS	35.90	35.90	0.00	0.00		87.58	2894.66	5.84	3714.69
Hempstead Lake	7076.34*	Max WS	35.90	35.90	0.00	0.00		89.38	2892.38	5.93	3747.34
Hempstead Lake	7062.59*	Max WS	35.90	35.90	0.00	0.00		86.77	2894.32	5.99	3761.47
Hempstead Lake	7048.84*	Max WS	35.90	35.90	0.00	0.00		83.10	2700.61	202.88	5586.38
Hempstead Lake	7035.09*	Max WS	35.90	35.90	0.00	0.00		85.12	2694.04	207.06	5595.72
Hempstead Lake	7021.34*	Max WS	35.90	35.90	0.00	0.00		87.10	2687.44	211.47	5605.44
Hempstead Lake	7007.6*	Max WS	35.90	35.90	0.00	0.00		91.03	2738.88	220.78	5614.76
Hempstead Lake	6993.85*	Max WS	35.90	35.90	0.00	0.00		92.98	2728.89	225.48	5624.47
Hempstead Lake	6980.10*	Max WS	35.90	35.90	0.00	0.00		95.13	2724.31	225.97	5613.25
Hempstead Lake	6966.35*	Max WS	35.90	35.90	0.00	0.00		97.12	2716.56	231.21	5580.91
Hempstead Lake	6952.60*	Max WS	35.90	35.90	0.00	0.00		99.19	2708.42	236.79	5545.18
Hempstead Lake	6938.85*	Max WS	35.90	35.90	0.00	0.00		101.17	2699.26	243.46	5539.64
Hempstead Lake	6925.11*	Max WS	35.90	35.90	0.00	0.00		103.27	2693.68	245.04	5535.03
Hempstead Lake	6911.36*	Max WS	35.90	35.90	0.00	0.00		105.21	2681.56	251.95	5531.64
Hempstead Lake	6897.61*	Max WS	35.90	35.90	0.00	0.00		107.07	2669.23	259.31	5528.47
Hempstead Lake	6883.86*	Max WS	35.90	35.90	0.00	0.00		108.98	2657.66	267.25	5526.59
Hempstead Lake	6870.11*	Max WS	35.90	35.90	0.00	0.00		111.20	2652.80	269.43	5524.34
Hempstead Lake	6856.36*	Max WS	35.90	35.90	0.00	0.00		113.15	2641.71	278.09	5522.49
Hempstead Lake	6842.62*	Max WS	35.90	35.90	0.00	0.00		115.04	2630.12	287.32	5521.05
Hempstead Lake	6828.87*	Max WS	35.90	35.90	0.00	0.00		116.94	2617.77	297.31	5518.79
Hempstead Lake	6815.12*	Max WS	35.90	35.90	0.00	0.00		119.08	2611.22	301.25	5510.74
Hempstead Lake	6801.37*	Max WS	35.90	35.90	0.00	0.00		120.90	2597.97	312.20	5508.81
Hempstead Lake	6787.62*	Max WS	35.90	35.90	0.00	0.00		122.67	2584.17	323.76	5507.39
Hempstead Lake	6773.87*	Max WS	35.90	35.90	0.00	0.00		125.66	2565.09	339.39	5506.38
Hempstead Lake	6760.13*	Max WS	35.90	35.90	0.00	0.00		127.88	2558.65	343.15	5505.74
Hempstead Lake	6746.38*	Max WS	35.90	35.90	0.00	0.00		129.58	2541.87	356.48	5505.41
Hempstead Lake	6732.634	Max WS	35.90	35.90	0.00	0.00		129.49	2518.60	376.92	5498.49
Hempstead Lake	6718.98*	Max WS	35.90	35.90	0.00	0.00		150.49	2497.75	373.87	5473.01
Hempstead Lake	6705.33*	Max WS	35.90	35.90	0.00	0.00		153.60	2485.08	380.51	5447.20
Hempstead Lake	6691.68*	Max WS	35.90	35.90	0.00	0.00		156.75	2482.92	376.62	5419.00
Hempstead Lake	6678.03*	Max WS	35.90	35.90	0.00	0.00		157.99	2471.66	383.77	5387.20
Hempstead Lake	6664.38*	Max WS	35.90	35.90	0.00	0.00		160.71	2459.10	390.65	5354.93
Hempstead Lake	6650.72*	Max WS	35.90	35.90	0.00	0.00		163.49	2446.36	397.66	5318.83
Hempstead Lake	6637.07*	Max WS	35.90	35.90	0.00	0.00		166.47	2443.97	394.09	5280.09
Hempstead Lake	6623.42*	Max WS	35.90	35.90	0.00	0.00		169.44	2430.79	401.26	5243.89
Hempstead Lake	6609.77*	Max WS	35.90	35.90	0.00	0.00		172.50	2417.66	408.40	5227.47
Hempstead Lake	6596.12*	Max WS	35.90	35.90	0.00	0.00		175.64	2404.25	415.81	5211.17
Hempstead Lake	6582.47*	Max WS	35.90	35.90	0.00	0.00		178.25	2401.50	412.97	5194.59
Hempstead Lake	6568.82*	Max WS	35.90	35.90	0.00	0.00		182.77	2388.30	419.97	5178.53
Hempstead Lake	6555.17*	Max WS	35.90	35.90	0.00	0.00		186.50	2376.58	427.67	5162.39
Hempstead Lake	6541.52*	Max WS	35.90	35.90	0.00	0.00		220.68	2763.70	6.08	3776.40

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	35.90	35.90	0.00	0.00		225.94	2758.36	5.87	3770.34
Hempstead Lake	6514.22*	Max WS	35.90	35.90	0.00	0.00		231.51	2752.71	5.66	3764.29
Hempstead Lake	6500.57*	Max WS	35.90	35.90	0.00	0.00		237.53	2746.62	5.45	3758.24
Hempstead Lake	6486.91*	Max WS	35.90	35.90	0.00	0.00		243.53	2740.44	5.34	3752.18
Hempstead Lake	6473.26*	Max WS	35.90	35.90	0.00	0.00		249.75	2734.16	5.11	3746.13
Hempstead Lake	6459.61*	Max WS	35.90	35.90	0.00	0.00		254.73	2729.11	4.89	3740.07
Hempstead Lake	6445.96*	Max WS	35.90	35.90	0.00	0.00		261.46	2722.21	4.77	3734.02
Hempstead Lake	6432.31*	Max WS	35.90	35.90	0.00	0.00		271.00	2712.62	4.54	3727.97
Hempstead Lake	6418.66*	Max WS	35.90	35.90	0.00	0.00		276.99	2706.57	4.30	3721.91
Hempstead Lake	6405.01*	Max WS	35.90	35.90	0.00	0.00		284.81	2698.57	4.20	3701.45
Hempstead Lake	6391.36*	Max WS	35.90	35.90	0.00	0.00		292.91	2690.39	3.99	3687.97
Hempstead Lake	6377.71*	Max WS	35.90	35.90	0.00	0.00		301.47	2681.75	3.79	3675.44
Hempstead Lake	6364.06*	Max WS	35.90	35.90	0.00	0.00		312.54	2670.52	3.67	3663.70
Hempstead Lake	6350.41*	Max WS	35.90	35.90	0.00	0.00		322.14	2660.85	3.45	3653.14
Hempstead Lake	6336.76*	Max WS	35.90	35.90	0.00	0.00		332.21	2650.70	3.23	3642.87
Hempstead Lake	6323.11*	Max WS	35.90	35.90	0.00	0.00		341.12	2641.63	3.11	3632.78
Hempstead Lake	6309.45*	Max WS	35.90	35.90	0.00	0.00		352.34	2630.34	2.89	3622.88
Hempstead Lake	6295.80*	Max WS	35.90	35.90	0.00	0.00		369.81	2612.80	2.67	3612.84
Hempstead Lake	6282.15*	Max WS	35.90	35.90	0.00	0.00		381.03	2601.41	2.55	3603.23
Hempstead Lake	6268.507	Max WS	35.90	35.90	0.00	0.00		397.15	2585.56	2.00	3593.93
Hempstead Lake	6259.72*	Max WS	35.90	35.90	0.00	0.00		309.86	2673.17	1.51	3392.60
Hempstead Lake	6250.93*	Max WS	35.90	35.90	0.00	0.00		242.50	2740.73	1.13	3191.68
Hempstead Lake	6242.14*	Max WS	35.90	35.90	0.00	0.00		185.65	2797.70	0.86	2990.50
Hempstead Lake	6233.35*	Max WS	35.90	35.90	0.00	0.00		134.21	2715.38	134.05	3561.52
Hempstead Lake	6224.57*	Max WS	35.90	35.90	0.00	0.00		100.92	2802.53	79.38	3230.91
Hempstead Lake	6215.78*	Max WS	35.90	35.90	0.00	0.00		72.47	2866.23	43.73	2898.58
Hempstead Lake	6206.99*	Max WS	35.90	35.90	0.00	0.00		49.30	2911.97	21.01	2565.71
Hempstead Lake	6198.21*	Max WS	35.90	35.90	0.00	0.00		31.24	2942.54	8.37	2250.89
Hempstead Lake	6189.42*	Max WS	35.90	35.90	0.00	0.00		16.85	2962.89	2.31	1916.58
Hempstead Lake	6180.638	Max WS	35.90	35.90	0.00	0.00		7.34	2974.34	0.28	1541.19
Hempstead Lake	6177.638	Max WS	35.90	35.90	0.00			9.81	2971.76	0.35	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	27.15	26.94	0.21	0.20		1.96	17168.84	0.72	1092.82
Hempstead Lake	5930.638	Max WS	26.95	26.77	0.17	0.21		112.05	16997.38	29.78	1174.74
Hempstead Lake	5880.638	Max WS	26.74	26.52	0.21	0.27		9.68	17046.65	79.29	1138.17
Hempstead Lake	5830.638	Max WS	26.46	26.22	0.24	0.35			16917.79	210.35	1113.53
Hempstead Lake	5780.638	Max WS	26.11	25.83	0.29	0.40		8.49	16725.50	377.13	1129.22
Hempstead Lake	5730.638	Max WS	25.72	25.45	0.27	0.34		71.56	14991.12	2028.69	1194.06
Hempstead Lake	5680.638	Max WS	25.39	25.14	0.25	0.28		244.35	13213.87	3612.46	1257.98
Hempstead Lake	5630.638	Max WS	25.11	24.86	0.24	0.25		225.22	12490.56	4352.97	1274.26
Hempstead Lake	5580.638	Max WS	24.85	24.63	0.21	0.25		624.02	12600.97	3826.63	1261.25
Hempstead Lake	5530.638	Max WS	24.59	24.38	0.21	0.30		807.72	12861.98	3380.07	1253.87
Hempstead Lake	5480.638	Max WS	24.29	24.05	0.24	0.42		692.33	13205.86	3138.83	1250.04
Hempstead Lake	5430.638	Max WS	23.85	23.52	0.32	0.30		520.19	13341.96	3161.71	1245.34
Hempstead Lake	5380.638	Max WS	23.48	23.05	0.44	0.33		232.45	15237.43	1538.76	1197.36
Hempstead Lake	5330.638	Max WS	23.03	22.67	0.37	0.30		603.62	13511.56	2856.72	1201.88
Hempstead Lake	5307.48*	Max WS	22.73	22.38	0.35	0.25		459.97	14435.18	2004.01	1215.95
Hempstead Lake	5284.32*	Max WS	22.48	22.14	0.33	0.19		362.25	14913.75	1431.42	1202.27
Hempstead Lake	5261.17*	Max WS	22.28	21.98	0.30	0.14		296.42	15098.20	1103.76	1184.01
Hempstead Lake	5238.01*	Max WS	22.13	21.87	0.26	0.10		257.70	15184.40	922.52	1169.75
Hempstead Lake	5214.85*	Max WS	22.02	21.80	0.22	0.08		238.89	15252.60	779.21	1166.94
Hempstead Lake	5191.70*	Max WS	21.94	21.75	0.19	0.06		232.69	15306.01	672.38	1167.25
Hempstead Lake	5168.54*	Max WS	21.88	21.71	0.16	0.04		233.74	15355.99	592.40	1168.22
Hempstead Lake	5145.39*	Max WS	21.83	21.69	0.14	0.03		241.03	15383.75	529.08	1169.59
Hempstead Lake	5122.23*	Max WS	21.79	21.67	0.13	0.03		254.56	15419.84	479.31	1172.12
Hempstead Lake	5099.07*	Max WS	21.77	21.66	0.11	0.01		274.56	15414.65	437.10	1175.07
Hempstead Lake	5075.922	Max WS	21.75	21.65	0.11	0.01		130.84	15821.85	173.53	1177.45
Hempstead Lake	5055.96*	Max WS	21.74	21.65	0.09	0.01		256.72	15547.45	321.99	1163.84
Hempstead Lake	5036.01*	Max WS	21.73	21.65	0.08	0.01		211.49	15636.82	277.82	1151.77
Hempstead Lake	5016.05*	Max WS	21.72	21.65	0.08	0.01		175.33	15709.12	241.64	1149.91
Hempstead Lake	4996.10*	Max WS	21.72	21.65	0.07	0.00		141.19	15779.53	205.34	1151.43
Hempstead Lake	4976.14*	Max WS	21.71	21.65	0.06	0.00		114.45	15862.62	174.74	1154.06
Hempstead Lake	4956.192	Max WS	21.71	21.65	0.06	0.00		60.47	15969.64	121.51	1157.54
Hempstead Lake	4936.44*	Max WS	21.71	21.66	0.05	0.00		140.84	15867.02	143.60	1151.92
Hempstead Lake	4916.69*	Max WS	21.71	21.66	0.05	0.00		169.61	15820.24	161.49	1145.55
Hempstead Lake	4896.94*	Max WS	21.70	21.66	0.04	0.00		200.97	15767.80	182.46	1139.27
Hempstead Lake	4877.19*	Max WS	21.70	21.66	0.04	0.00		227.84	15721.70	201.62	1132.56
Hempstead Lake	4857.44*	Max WS	21.70	21.66	0.04	0.00		263.55	15661.99	225.53	1125.43
Hempstead Lake	4837.697	Max WS	21.70	21.66	0.03	0.00		118.34	15849.35	183.32	1116.47
Hempstead Lake	4817.64*	Max WS	21.69	21.66	0.03	0.00		394.06	15607.88	228.31	1110.62
Hempstead Lake	4797.59*	Max WS	21.69	21.66	0.03	0.00		429.12	15597.47	203.61	1104.36
Hempstead Lake	4777.53*	Max WS	21.69	21.65	0.03	0.00		464.74	15584.40	180.97	1098.16

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	21.68	21.65	0.03	0.00		506.87	15562.47	160.67	1091.39
Hempstead Lake	4737.42*	Max WS	21.68	21.65	0.03	0.00		543.84	15544.35	141.71	1085.01
Hempstead Lake	4717.37*	Max WS	21.68	21.64	0.03	0.00		581.83	15523.19	124.75	1078.94
Hempstead Lake	4697.32*	Max WS	21.67	21.64	0.03	0.00		620.23	15500.01	109.39	1072.05
Hempstead Lake	4677.26*	Max WS	21.67	21.64	0.03	0.00		666.35	15467.21	95.92	1064.71
Hempstead Lake	4657.21*	Max WS	21.67	21.64	0.03	0.00		715.11	15430.01	84.20	1056.89
Hempstead Lake	4637.16*	Max WS	21.66	21.63	0.03	0.00		755.96	15399.10	74.09	1048.94
Hempstead Lake	4617.10*	Max WS	21.66	21.63	0.03	0.00		796.42	15367.51	65.04	1042.07
Hempstead Lake	4597.05*	Max WS	21.66	21.63	0.03	0.00		837.09	15334.68	56.99	1035.91
Hempstead Lake	4577.*	Max WS	21.65	21.63	0.03	0.00		891.74	15265.19	50.00	1029.94
Hempstead Lake	4556.94*	Max WS	21.65	21.62	0.03	0.00		934.60	15228.60	43.72	1024.84
Hempstead Lake	4536.893	Max WS	21.65	21.62	0.03	0.00		542.03	15650.95	13.91	1019.90
Hempstead Lake	4516.70*	Max WS	21.65	21.62	0.03	0.00		1028.46	15140.95	41.87	1017.99
Hempstead Lake	4496.51*	Max WS	21.65	21.62	0.03	0.00		1034.29	15125.98	50.97	1015.54
Hempstead Lake	4476.32*	Max WS	21.64	21.62	0.03	0.00		1017.92	15131.23	62.06	1013.84
Hempstead Lake	4456.14*	Max WS	21.64	21.61	0.03	0.00		1022.59	15114.96	73.63	1012.04
Hempstead Lake	4435.95*	Max WS	21.64	21.61	0.03	0.00		1028.29	15096.62	86.20	1010.35
Hempstead Lake	4415.76*	Max WS	21.64	21.61	0.03	0.00		1009.88	15101.83	99.34	1009.17
Hempstead Lake	4395.57*	Max WS	21.63	21.61	0.03	0.00		1013.98	15083.66	113.34	1007.87
Hempstead Lake	4375.38*	Max WS	21.63	21.61	0.03	0.00		995.10	15087.60	128.19	1007.08
Hempstead Lake	4355.20*	Max WS	21.63	21.60	0.03	0.00		1000.56	15067.01	143.24	1007.70
Hempstead Lake	4335.01*	Max WS	21.63	21.60	0.03	0.00		1006.27	15045.53	158.94	1008.31
Hempstead Lake	4314.82*	Max WS	21.63	21.60	0.03	0.00		985.89	15049.43	175.32	1009.12
Hempstead Lake	4294.63*	Max WS	21.62	21.60	0.02	0.00		992.19	15025.96	192.38	1009.79
Hempstead Lake	4274.44*	Max WS	21.62	21.60	0.02	0.00		971.80	15028.47	210.17	1010.59
Hempstead Lake	4254.26*	Max WS	21.62	21.60	0.02	0.00		977.68	15004.55	228.09	1011.10
Hempstead Lake	4234.07*	Max WS	21.62	21.59	0.02	0.00		984.43	14979.41	246.37	1011.56
Hempstead Lake	4213.88*	Max WS	21.62	21.59	0.02	0.00		963.14	14981.22	265.74	1012.19
Hempstead Lake	4193.69*	Max WS	21.61	21.59	0.02	0.00		969.84	14955.33	284.82	1012.59
Hempstead Lake	4173.50*	Max WS	21.61	21.59	0.02	0.00		948.37	14956.86	304.63	1012.88
Hempstead Lake	4153.320	Max WS	21.61	21.59	0.02	0.00		392.29	15495.92	321.52	1013.30
Hempstead Lake	4131.85*	Max WS	21.61	21.59	0.02	0.00		884.86	14992.76	336.03	1007.31
Hempstead Lake	4110.38*	Max WS	21.61	21.59	0.02	0.00		860.81	15006.14	346.56	1002.03
Hempstead Lake	4088.91*	Max WS	21.61	21.58	0.02	0.00		859.08	14997.76	356.52	997.09
Hempstead Lake	4067.44*	Max WS	21.61	21.58	0.02	0.00		829.68	15015.89	367.62	992.76
Hempstead Lake	4045.97*	Max WS	21.60	21.58	0.02	0.00		798.33	15036.01	378.70	988.80
Hempstead Lake	4024.50*	Max WS	21.60	21.58	0.02	0.00		789.33	15033.91	389.63	985.08
Hempstead Lake	4003.034	Max WS	21.60	21.58	0.02	0.00		307.34	15505.85	399.51	981.70
Hempstead Lake	3984.01*	Max WS	21.60	21.57	0.03	0.00		618.77	15218.03	375.73	977.46
Hempstead Lake	3964.99*	Max WS	21.60	21.57	0.03	0.00		638.15	15202.08	356.36	975.59
Hempstead Lake	3945.97*	Max WS	21.59	21.56	0.04	0.00		645.15	15210.78	340.61	996.48
Hempstead Lake	3926.95*	Max WS	21.59	21.54	0.05	0.01		677.04	15192.64	326.77	1016.50
Hempstead Lake	3907.93*	Max WS	21.58	21.53	0.06	0.00		707.00	15155.44	333.85	1083.13
Hempstead Lake	3888.916	Max WS	21.58	21.50	0.08	0.00		311.00	15542.81	327.59	1080.70
Hempstead Lake	3883.916	Max WS	21.58	21.50	0.08			271.92	15590.21	323.08	1083.27
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	21.45	21.35	0.10	0.00		127.80	15860.13	116.27	1078.11
Hempstead Lake	3858.916	Max WS	21.45	21.35	0.10	0.01		141.71	15839.24	123.24	1079.55
Hempstead Lake	3826.579	Max WS	21.45	21.29	0.16	0.00		231.63	15735.56	103.92	1083.45
Hempstead Lake	3821.579	Max WS	21.45	21.28	0.16			250.98	15721.76	98.36	1085.39
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	21.36	21.20	0.16	0.00		739.10	14981.53	350.47	1158.44
Hempstead Lake	3736.579	Max WS	21.36	21.19	0.16	0.01		431.68	15511.41	111.74	1162.53
Hempstead Lake	3699.46*	Max WS	21.34	21.20	0.15	0.01		461.91	15393.89	214.77	1174.95
Hempstead Lake	3662.35*	Max WS	21.33	21.19	0.13	0.01		459.03	15231.32	379.86	1206.75
Hempstead Lake	3625.24*	Max WS	21.31	21.19	0.12	0.01		448.42	15027.48	593.99	1242.28
Hempstead Lake	3588.13*	Max WS	21.30	21.19	0.11	0.01		446.98	14738.10	884.53	1275.46
Hempstead Lake	3551.028	Max WS	21.29	21.19	0.10	0.01		400.60	14571.76	1097.02	1298.28
Hempstead Lake	3531.67*	Max WS	21.28	21.18	0.10	0.01		480.79	14429.36	1159.10	1302.43
Hempstead Lake	3512.33*	Max WS	21.28	21.17	0.11	0.01		474.26	14606.80	988.02	1300.12
Hempstead Lake	3492.98*	Max WS	21.27	21.15	0.12	0.01		465.97	14757.02	832.56	1285.68
Hempstead Lake	3473.63*	Max WS	21.27	21.14	0.13	0.01		455.65	14858.14	741.74	1241.64
Hempstead Lake	3454.28*	Max WS	21.26	21.12	0.14	0.01		445.40	15000.01	610.04	1230.12
Hempstead Lake	3434.93*	Max WS	21.25	21.11	0.15	0.01		428.72	15148.33	478.26	1217.88
Hempstead Lake	3415.58*	Max WS	21.25	21.09	0.16	0.01		414.39	15276.18	364.58	1206.52
Hempstead Lake	3396.239	Max WS	21.24	21.07	0.17	0.01		474.98	15241.16	326.58	1183.05
Hempstead Lake	3376.88*	Max WS	21.23	21.06	0.17	0.01		429.41	15338.97	274.31	1170.90
Hempstead Lake	3357.52*	Max WS	21.23	21.05	0.17	0.01		461.02	15304.39	277.22	1157.40
Hempstead Lake	3338.16*	Max WS	21.22	21.04	0.18	0.01		494.94	15263.91	283.69	1140.29
Hempstead Lake	3318.80*	Max WS	21.21	21.03	0.18	0.01		529.95	15220.30	292.20	1126.08
Hempstead Lake	3299.44*	Max WS	21.20	21.02	0.18	0.01		566.27	15174.16	301.93	1113.24
Hempstead Lake	3280.08*	Max WS	21.19	21.01	0.18	0.01		604.07	15123.47	314.70	1100.34

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	21.18	21.00	0.18	0.01		642.70	15070.51	328.88	1088.10
Hempstead Lake	3241.37*	Max WS	21.17	20.99	0.18	0.01		675.35	15026.41	340.17	1076.49
Hempstead Lake	3222.01*	Max WS	21.17	20.98	0.19	0.01		719.96	14966.23	355.57	1065.35
Hempstead Lake	3202.65*	Max WS	21.16	20.97	0.19	0.01		764.07	14896.02	371.16	1057.65
Hempstead Lake	3183.29*	Max WS	21.15	20.96	0.19	0.01		810.56	14833.67	386.99	1050.65
Hempstead Lake	3163.93*	Max WS	21.14	20.95	0.19	0.01		859.47	14768.31	403.39	1042.77
Hempstead Lake	3144.581	Max WS	21.13	20.93	0.20	0.01		841.49	14800.64	388.97	1036.09
Hempstead Lake	3124.73*	Max WS	21.12	20.92	0.20	0.01		824.83	14841.58	364.59	1037.66
Hempstead Lake	3104.89*	Max WS	21.11	20.91	0.20	0.01		837.30	14838.10	355.48	1040.40
Hempstead Lake	3085.04*	Max WS	21.10	20.90	0.20	0.01		844.65	14838.81	347.30	1046.21
Hempstead Lake	3065.2*	Max WS	21.09	20.89	0.20	0.01		852.45	14838.22	339.96	1051.76
Hempstead Lake	3045.35*	Max WS	21.08	20.88	0.20	0.01		846.03	14855.69	328.75	1095.40
Hempstead Lake	3025.51*	Max WS	21.07	20.88	0.20	0.01		860.25	14841.58	328.47	1127.19
Hempstead Lake	3005.66*	Max WS	21.06	20.87	0.19	0.01		870.49	14825.38	334.25	1153.48
Hempstead Lake	2985.81*	Max WS	21.05	20.86	0.20	0.01		856.15	14839.77	334.00	1249.88
Hempstead Lake	2965.974	Max WS	21.05	20.85	0.19	0.01		908.34	14748.58	372.78	1294.80
Hempstead Lake	2951.87*	Max WS	21.04	20.85	0.19	0.01		967.67	14676.97	384.92	1304.17
Hempstead Lake	2937.77*	Max WS	21.03	20.85	0.18	0.01		967.34	14691.33	370.73	1315.16
Hempstead Lake	2923.67*	Max WS	21.02	20.84	0.18	0.01		976.31	14694.79	358.15	1319.92
Hempstead Lake	2909.57*	Max WS	21.01	20.84	0.18	0.01		984.64	14698.41	346.04	1322.73
Hempstead Lake	2895.47*	Max WS	21.01	20.83	0.17	0.01		993.83	14699.27	335.84	1325.48
Hempstead Lake	2881.37*	Max WS	21.00	20.83	0.17	0.01		1000.88	14702.35	325.55	1328.79
Hempstead Lake	2867.27*	Max WS	20.99	20.82	0.17	0.01		1011.54	14699.27	317.81	1330.47
Hempstead Lake	2853.17*	Max WS	20.98	20.82	0.17	0.01		1018.84	14702.00	307.63	1334.82
Hempstead Lake	2839.07*	Max WS	20.98	20.81	0.16	0.01		1028.38	14701.21	298.74	1337.96
Hempstead Lake	2824.98*	Max WS	20.97	20.81	0.16	0.01		1034.80	14701.34	292.02	1341.43
Hempstead Lake	2810.88*	Max WS	20.96	20.80	0.16	0.01		1035.82	14705.30	286.88	1346.75
Hempstead Lake	2796.78*	Max WS	20.95	20.80	0.16	0.01		1042.74	14702.71	282.39	1350.85
Hempstead Lake	2782.68*	Max WS	20.95	20.79	0.15	0.01		1045.38	14705.91	276.39	1353.18
Hempstead Lake	2768.58*	Max WS	20.94	20.79	0.15	0.01		1050.25	14705.29	271.97	1355.50
Hempstead Lake	2754.48*	Max WS	20.94	20.79	0.15	0.01		1055.41	14705.11	266.83	1357.63
Hempstead Lake	2740.38*	Max WS	20.93	20.78	0.15	0.01		1061.57	14698.41	261.67	1361.78
Hempstead Lake	2726.28*	Max WS	20.92	20.78	0.14	0.01		1069.09	14702.59	255.34	1366.17
Hempstead Lake	2712.18*	Max WS	20.92	20.77	0.14	0.01		1075.87	14701.23	249.76	1368.23
Hempstead Lake	2698.08*	Max WS	20.91	20.77	0.14	0.01		1079.50	14702.27	244.92	1370.38
Hempstead Lake	2683.98*	Max WS	20.90	20.77	0.14	0.01		1077.37	14707.69	241.47	1375.90
Hempstead Lake	2669.88*	Max WS	20.90	20.76	0.14	0.01		1068.87	14721.42	236.06	1387.92
Hempstead Lake	2655.78*	Max WS	20.89	20.76	0.13	0.01		1076.32	14712.96	232.36	1384.32
Hempstead Lake	2641.68*	Max WS	20.89	20.75	0.13	0.01		1081.99	14712.28	227.36	1379.32
Hempstead Lake	2627.58*	Max WS	20.88	20.75	0.13	0.00		1087.66	14732.41	201.57	1414.40
Hempstead Lake	2613.48*	Max WS	20.88	20.75	0.13	0.00		1096.24	14765.80	159.58	1444.94
Hempstead Lake	2599.38*	Max WS	20.87	20.74	0.13	0.00		1098.90	14759.08	163.63	1411.48
Hempstead Lake	2585.29*	Max WS	20.87	20.74	0.13	0.00		1115.23	14740.57	165.79	1370.04
Hempstead Lake	2571.19*	Max WS	20.86	20.74	0.12	0.01		1127.29	14729.69	164.61	1326.49
Hempstead Lake	2557.091	Max WS	20.85	20.74	0.11	0.01		1720.27	14060.95	243.78	1282.93
Hempstead Lake	2552.091	Max WS	20.85	20.70	0.15			2125.40	13547.77	348.40	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	20.79	20.65	0.14	0.00		2240.19	13496.86	284.52	1282.93
Hempstead Lake	2487.091	Max WS	20.78	20.68	0.10	0.00		1617.46	14220.40	183.70	1282.93
Hempstead Lake	2477.12*	Max WS	20.77	20.67	0.11	0.00		1126.42	14736.64	158.48	1295.08
Hempstead Lake	2467.14*	Max WS	20.77	20.66	0.11	0.00		1180.42	14637.77	203.32	1307.22
Hempstead Lake	2457.17*	Max WS	20.77	20.66	0.11	0.00		1235.17	14531.21	255.10	1319.37
Hempstead Lake	2447.20*	Max WS	20.76	20.65	0.11	0.00		1292.13	14414.39	314.93	1331.51
Hempstead Lake	2437.23*	Max WS	20.76	20.66	0.10	0.00		1700.58	13837.25	483.58	1343.66
Hempstead Lake	2427.26*	Max WS	20.75	20.65	0.10	0.00		1752.71	13695.22	573.45	1355.81
Hempstead Lake	2417.29*	Max WS	20.75	20.65	0.10	0.00		1800.64	13517.10	703.61	1340.78
Hempstead Lake	2407.32*	Max WS	20.75	20.64	0.11	0.00		1522.13	13819.28	679.89	1345.62
Hempstead Lake	2397.35*	Max WS	20.74	20.63	0.11	0.00		1580.71	13639.34	801.21	1352.06
Hempstead Lake	2387.37*	Max WS	20.74	20.63	0.11	0.00		1637.98	13448.89	934.36	1359.21
Hempstead Lake	2377.40*	Max WS	20.74	20.63	0.11	0.00		1696.15	13247.11	1077.92	1366.56
Hempstead Lake	2367.43*	Max WS	20.73	20.62	0.11	0.00		1753.64	12979.85	1287.65	1360.79
Hempstead Lake	2357.46*	Max WS	20.73	20.62	0.11	0.00		1808.91	12745.82	1466.37	1351.90
Hempstead Lake	2347.49*	Max WS	20.73	20.62	0.11	0.00		1863.41	12500.36	1657.28	1358.28
Hempstead Lake	2337.52*	Max WS	20.72	20.62	0.11	0.00		1917.37	12240.90	1862.74	1364.68
Hempstead Lake	2327.55*	Max WS	20.72	20.61	0.11	0.00		1971.15	11970.48	2079.33	1371.26
Hempstead Lake	2317.58*	Max WS	20.72	20.61	0.10	0.00		2022.54	11689.45	2308.92	1377.99
Hempstead Lake	2307.60*	Max WS	20.71	20.61	0.10	0.00		2074.56	11393.80	2552.50	1384.78
Hempstead Lake	2297.63*	Max WS	20.71	20.61	0.10	0.00		2123.37	11093.99	2803.44	1391.64
Hempstead Lake	2287.66*	Max WS	20.71	20.61	0.10	0.00		2170.74	10784.58	3065.44	1398.58
Hempstead Lake	2277.69*	Max WS	20.70	20.60	0.10	0.00		2215.87	10467.44	3337.40	1405.56
Hempstead Lake	2267.72*	Max WS	20.70	20.60	0.10	0.00		2258.73	10141.98	3619.95	1412.59
Hempstead Lake	2257.752	Max WS	20.68	20.62	0.06	0.00		2897.43	8209.57	4913.60	1420.37

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	20.69	20.61	0.08	0.00		2880.66	8461.72	4678.19	1408.42
Hempstead Lake	2247.752	Max WS	20.68	20.61	0.07			3426.27	7287.43	5306.83	1399.57
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	20.59	20.35	0.23	0.00		2616.13	8235.98	5168.42	1293.72
Hempstead Lake	2192.75*	Max WS	20.58	20.35	0.22	0.00		2943.21	8509.91	4567.37	1248.45
Hempstead Lake	2187.752	Max WS	20.59	20.34	0.26	0.00		3303.92	8703.52	4013.03	1233.21
Hempstead Lake	2178.63*	Max WS	20.60	20.33	0.27	0.00		3238.22	8823.61	3958.60	1235.99
Hempstead Lake	2169.52*	Max WS	20.60	20.32	0.29	0.00		3172.32	8942.11	3905.97	1245.51
Hempstead Lake	2160.40*	Max WS	20.61	20.31	0.31	0.00		3128.12	9123.24	3769.02	1276.93
Hempstead Lake	2151.29*	Max WS	20.62	20.29	0.33	0.00		3062.49	9248.75	3709.09	1288.35
Hempstead Lake	2142.17*	Max WS	20.63	20.28	0.35	0.00		2991.41	9371.11	3657.79	1297.57
Hempstead Lake	2133.05*	Max WS	20.64	20.27	0.37	0.00		2917.82	9489.75	3612.69	1308.36
Hempstead Lake	2123.94*	Max WS	20.64	20.25	0.39	0.00		2841.74	9608.12	3570.38	1320.02
Hempstead Lake	2114.82*	Max WS	20.65	20.24	0.41	0.01		2762.60	9729.70	3527.91	1346.95
Hempstead Lake	2105.71*	Max WS	20.68	20.22	0.45	0.01		2718.77	9974.40	3327.01	1355.28
Hempstead Lake	2096.59*	Max WS	20.68	20.20	0.48	0.01		2629.70	10075.44	3315.00	1350.60
Hempstead Lake	2087.48*	Max WS	20.69	20.18	0.51	0.01		2540.24	10175.55	3304.32	1345.96
Hempstead Lake	2078.36*	Max WS	20.70	20.17	0.53	0.01		2450.03	10276.86	3293.19	1341.80
Hempstead Lake	2069.25*	Max WS	20.71	20.15	0.56	0.01		2356.07	10383.20	3280.77	1337.85
Hempstead Lake	2060.13*	Max WS	20.72	20.13	0.60	0.01		2263.90	10490.67	3265.44	1333.62
Hempstead Lake	2051.01*	Max WS	20.74	20.10	0.63	0.01		2168.03	10603.01	3248.95	1329.99
Hempstead Lake	2041.90*	Max WS	20.75	20.08	0.67	0.01		2072.07	10717.67	3230.21	1325.69
Hempstead Lake	2032.78*	Max WS	20.77	20.05	0.71	0.01		1975.36	10837.58	3206.99	1321.46
Hempstead Lake	2023.67*	Max WS	20.78	20.02	0.76	0.01		1876.29	10963.98	3179.62	1317.86
Hempstead Lake	2014.55*	Max WS	20.80	19.99	0.81	0.01		1774.85	11087.90	3157.12	1312.28
Hempstead Lake	2005.44*	Max WS	20.82	19.96	0.87	0.01		1680.02	11208.63	3131.19	1299.55
Hempstead Lake	1996.32*	Max WS	20.85	19.92	0.93	0.01		1582.09	11337.87	3099.86	1286.91
Hempstead Lake	1987.20*	Max WS	20.87	19.88	0.99	0.01		1481.11	11476.76	3062.13	1273.83
Hempstead Lake	1978.09*	Max WS	20.90	19.83	1.07	0.01		1377.28	11626.91	3015.80	1259.57
Hempstead Lake	1968.97*	Max WS	20.93	19.77	1.16	0.02		1261.46	11791.17	2967.15	1246.61
Hempstead Lake	1959.86*	Max WS	20.98	19.71	1.27	0.02		1139.23	11979.79	2900.74	1232.41
Hempstead Lake	1950.747	Max WS	21.03	19.63	1.40	0.01		1014.91	12177.22	2817.10	1213.20
Hempstead Lake	1945.747	Max WS	20.69	19.99	0.70			1372.65	7362.34	7285.00	1314.80
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	18.21	18.02	0.18	0.01		196.32	4232.54	10404.22	1064.88
Hempstead Lake	1880.747	Max WS	18.22	17.98	0.24	0.01		72.84	11143.34	3616.69	1077.98
Hempstead Lake	1848.83*	Max WS	18.15	18.07	0.08	0.00		141.04	13348.80	1341.97	1208.25
Hempstead Lake	1816.92*	Max WS	18.14	18.10	0.04	0.00		202.07	14016.24	630.19	1326.34
Hempstead Lake	1785.01*	Max WS	18.13	18.12	0.02	0.00		273.36	14238.16	333.47	1356.99
Hempstead Lake	1753.104	Max WS	18.13	18.12	0.01	0.00		140.63	14604.31	96.66	1390.53
Hempstead Lake	1732.65*	Max WS	18.13	18.12	0.01	0.00		379.64	14087.83	371.99	1428.80
Hempstead Lake	1712.21*	Max WS	18.13	18.12	0.01	0.00		395.23	13945.34	496.71	1475.74
Hempstead Lake	1691.76*	Max WS	18.13	18.12	0.01	0.00		410.20	13776.05	648.77	1515.01
Hempstead Lake	1671.32*	Max WS	18.13	18.12	0.01	0.00		424.45	13580.89	827.39	1547.67
Hempstead Lake	1650.87*	Max WS	18.13	18.12	0.01	0.00		437.12	13364.14	1031.04	1577.12
Hempstead Lake	1630.434	Max WS	18.13	18.12	0.01	0.00		214.90	13670.85	946.52	1605.04
Hempstead Lake	1610.36*	Max WS	18.13	18.12	0.01	0.00		458.60	13195.77	1177.84	1600.58
Hempstead Lake	1590.30*	Max WS	18.13	18.12	0.01	0.00		405.37	13322.99	1103.74	1595.15
Hempstead Lake	1570.23*	Max WS	18.13	18.12	0.01	0.00		354.39	13448.60	1028.95	1588.90
Hempstead Lake	1550.17*	Max WS	18.13	18.12	0.01	0.00		296.93	13580.53	954.27	1582.02
Hempstead Lake	1530.10*	Max WS	18.13	18.12	0.01	0.00		251.46	13701.16	878.84	1574.14
Hempstead Lake	1510.03*	Max WS	18.13	18.11	0.01	0.00		204.81	13836.29	790.03	1564.72
Hempstead Lake	1489.97*	Max WS	18.13	18.11	0.01	0.00		165.52	13947.60	717.63	1552.85
Hempstead Lake	1469.90*	Max WS	18.13	18.11	0.02	0.00		129.77	14053.13	647.37	1536.70
Hempstead Lake	1449.83*	Max WS	18.13	18.11	0.02	0.00		98.05	14150.20	581.48	1514.47
Hempstead Lake	1429.77*	Max WS	18.13	18.11	0.02	0.00		68.83	14248.25	512.03	1501.45
Hempstead Lake	1409.707	Max WS	18.13	18.11	0.02	0.00		25.55	14210.01	592.84	1489.24
Hempstead Lake	1389.03*	Max WS	18.12	18.10	0.02	0.00		31.39	15439.66	463.70	1483.11
Hempstead Lake	1368.35*	Max WS	18.12	18.10	0.02	0.00		35.46	15433.14	465.23	1478.23
Hempstead Lake	1347.67*	Max WS	18.12	18.10	0.02	0.00		39.61	15426.54	466.64	1473.31
Hempstead Lake	1326.99*	Max WS	18.12	18.10	0.02	0.00		43.81	15419.68	468.14	1468.50
Hempstead Lake	1306.32*	Max WS	18.12	18.10	0.02	0.00		49.73	15414.33	486.36	1464.04
Hempstead Lake	1285.64*	Max WS	18.12	18.10	0.02	0.00		54.08	15406.60	489.51	1460.13
Hempstead Lake	1264.96*	Max WS	18.12	18.09	0.02	0.00		58.35	15398.59	492.86	1461.16
Hempstead Lake	1244.28*	Max WS	18.12	18.09	0.02	0.00		62.65	15389.66	496.91	1486.73
Hempstead Lake	1223.61*	Max WS	18.12	18.09	0.03	0.00		66.80	15379.50	502.11	1523.34
Hempstead Lake	1202.93*	Max WS	18.12	18.09	0.03	0.00		58.92	15390.52	509.11	1668.86
Hempstead Lake	1182.25*	Max WS	18.12	18.09	0.03	0.00		60.22	15381.32	516.81	1807.67
Hempstead Lake	1161.57*	Max WS	18.12	18.09	0.03	0.00		59.03	15372.57	526.31	1941.91
Hempstead Lake	1140.90*	Max WS	18.12	18.09	0.03	0.00		72.05	15350.97	534.20	1918.89
Hempstead Lake	1120.22*	Max WS	18.12	18.09	0.03	0.00		88.50	15309.12	559.87	1895.75
Hempstead Lake	1099.54*	Max WS	18.12	18.09	0.03	0.00		103.37	15284.27	569.66	1872.17

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	18.12	18.09	0.03	0.00		118.55	15256.97	581.37	1847.85
Hempstead Lake	1058.19*	Max WS	18.12	18.09	0.03	0.00		134.76	15217.72	593.87	1822.40
Hempstead Lake	1037.515	Max WS	18.12	18.09	0.02	0.00		138.76	14748.40	1059.08	1796.07
Hempstead Lake	1017.08*	Max WS	18.11	18.09	0.02	0.00		388.22	14924.93	639.48	1804.96
Hempstead Lake	996.645*	Max WS	18.11	18.09	0.02	0.00		462.45	14751.50	718.13	1814.49
Hempstead Lake	976.210*	Max WS	18.11	18.09	0.02	0.00		543.67	14609.09	779.15	1825.80
Hempstead Lake	955.775*	Max WS	18.11	18.09	0.02	0.00		633.47	14437.16	860.89	1834.36
Hempstead Lake	935.340*	Max WS	18.11	18.09	0.02	0.00		715.33	14261.21	926.29	1841.30
Hempstead Lake	914.905*	Max WS	18.11	18.09	0.02	0.00		818.55	14073.72	1010.32	1850.37
Hempstead Lake	894.471*	Max WS	18.11	18.09	0.02	0.00		937.91	13915.86	1048.40	1907.79
Hempstead Lake	874.036*	Max WS	18.11	18.09	0.02	0.00		1057.00	13690.18	1120.95	1944.84
Hempstead Lake	853.601*	Max WS	18.11	18.09	0.02	0.00		1169.28	13513.50	1185.20	1979.51
Hempstead Lake	833.166*	Max WS	18.11	18.08	0.02	0.00		1305.18	13283.63	1278.86	1989.39
Hempstead Lake	812.731*	Max WS	18.11	18.08	0.02	0.00		1465.11	13047.60	1354.50	1997.70
Hempstead Lake	792.296*	Max WS	18.10	18.08	0.02	0.00		1618.41	12796.67	1451.54	2005.58
Hempstead Lake	771.862	Max WS	18.10	18.08	0.03	0.00		764.96	13669.86	1430.99	2011.85
Hempstead Lake	750.331*	Max WS	18.10	18.08	0.02	0.00		1577.33	12858.98	1398.86	2032.57
Hempstead Lake	728.8*	Max WS	18.10	18.08	0.02	0.00		1384.75	13163.06	1287.23	2053.40
Hempstead Lake	707.269*	Max WS	18.10	18.07	0.03	0.00		1213.86	13466.42	1154.47	2074.38
Hempstead Lake	685.738*	Max WS	18.10	18.07	0.03	0.00		1046.10	13766.46	1021.77	2095.30
Hempstead Lake	664.207*	Max WS	18.10	18.07	0.03	0.00		885.91	14057.11	890.74	2116.56
Hempstead Lake	642.676*	Max WS	18.10	18.06	0.03	0.00		731.32	14323.61	778.13	2137.84
Hempstead Lake	621.145*	Max WS	18.09	18.06	0.04	0.00		593.08	14583.34	655.79	2159.42
Hempstead Lake	599.614*	Max WS	18.09	18.05	0.04	0.00		468.45	14822.20	540.58	2181.13
Hempstead Lake	578.083*	Max WS	18.09	18.05	0.04	0.00		358.22	15036.69	435.22	2203.25
Hempstead Lake	556.552*	Max WS	18.09	18.05	0.04	0.00		268.60	15209.95	350.38	2224.07
Hempstead Lake	535.021*	Max WS	18.09	18.05	0.04	0.00		193.26	15367.26	267.09	2244.98
Hempstead Lake	513.490	Max WS	18.09	18.05	0.04	0.00		121.48	15320.63	384.11	2265.82
Hempstead Lake	493.038*	Max WS	18.09	18.04	0.05	0.00		172.23	15414.30	242.98	2168.37
Hempstead Lake	472.587*	Max WS	18.09	18.03	0.06	0.00		185.74	15410.96	231.41	2066.42
Hempstead Lake	452.136*	Max WS	18.09	18.02	0.07	0.00		199.24	15408.64	218.82	1965.79
Hempstead Lake	431.685*	Max WS	18.09	18.01	0.08	0.00		212.80	15403.61	208.88	1844.59
Hempstead Lake	411.234*	Max WS	18.09	17.99	0.09	0.00		223.13	15403.85	196.92	1735.21
Hempstead Lake	390.783*	Max WS	18.08	17.97	0.11	0.01		234.65	15402.13	185.75	1638.92
Hempstead Lake	370.332*	Max WS	18.08	17.95	0.13	0.01		243.18	15345.22	171.78	1550.57
Hempstead Lake	349.881*	Max WS	18.08	17.91	0.16	0.01		249.66	15391.20	156.66	1467.14
Hempstead Lake	329.430*	Max WS	18.07	17.87	0.20	0.02		250.70	15396.36	139.09	1386.32
Hempstead Lake	308.979*	Max WS	18.06	17.81	0.25	0.02		239.77	15424.80	117.35	1307.40
Hempstead Lake	288.528*	Max WS	18.06	17.72	0.34	0.03		213.24	15506.01	92.40	1230.17
Hempstead Lake	268.077*	Max WS	18.05	17.58	0.46	0.04		158.36	15621.72	62.45	1153.51
Hempstead Lake	247.626*	Max WS	18.04	17.34	0.70	0.06		62.70	15738.74	27.36	1076.97
Hempstead Lake	227.175*	Max WS	18.09	16.86	1.23	0.07			15752.35	1.25	435.76
Hempstead Lake	206.724	Max WS	18.87	16.75	2.11	0.01			16360.97		243.65
Hempstead Lake	201.724	Max WS	18.32	16.74	1.58				16203.12		174.38
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	17.01	15.94	1.07	0.00		5521.23	11238.79		159.15
Hempstead Lake	166.724	Max WS	17.00	15.93	1.07			5518.26	11233.96		159.13

90% EX 1/2 PMF BREACH 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7329.48	26.48	42.99		43.01	0.000015	1.12	8126.27	871.83	0.05
Hempstead Lake	15523.7*	Max WS	7328.20	26.43	42.99		43.01	0.000077	1.05	8129.85	864.14	0.05
Hempstead Lake	15503.5*	Max WS	7326.94	26.38	42.99		43.00	0.000072	1.05	8131.49	856.30	0.05
Hempstead Lake	15483.3*	Max WS	7325.72	26.34	42.99		43.00	0.000066	1.05	8132.73	846.63	0.05
Hempstead Lake	15463.0*	Max WS	7324.53	26.29	42.99		43.00	0.000060	1.05	8133.37	839.77	0.05
Hempstead Lake	15442.8*	Max WS	7323.38	26.24	42.99		43.00	0.000056	1.05	8133.29	834.25	0.05
Hempstead Lake	15422.5*	Max WS	7322.28	26.19	42.98		43.00	0.000051	1.05	8132.47	830.63	0.05
Hempstead Lake	15402.3*	Max WS	7321.23	26.15	42.98		43.00	0.000046	1.06	8127.11	827.98	0.05
Hempstead Lake	15382.1*	Max WS	7320.24	26.10	42.98		43.00	0.000043	1.06	8120.41	826.05	0.05
Hempstead Lake	15361.8*	Max WS	7319.32	26.05	42.98		43.00	0.000039	1.06	8109.65	825.15	0.05
Hempstead Lake	15341.6*	Max WS	7318.47	26.00	42.98		43.00	0.000036	1.06	8096.30	820.03	0.05
Hempstead Lake	15321.4*	Max WS	7317.71	25.96	42.98		42.99	0.000031	1.06	8081.67	806.03	0.05
Hempstead Lake	15301.1*	Max WS	7317.04	25.91	42.98		42.99	0.000027	1.05	8066.65	786.50	0.05
Hempstead Lake	15280.9*	Max WS	7316.48	25.86	42.98		42.99	0.000024	1.04	8054.25	762.67	0.05
Hempstead Lake	15260.7*	Max WS	7316.02	25.81	42.98		42.99	0.000021	1.04	8041.18	761.45	0.05
Hempstead Lake	15240.4*	Max WS	7315.67	25.77	42.98		42.99	0.000018	1.04	8025.23	760.28	0.05
Hempstead Lake	15220.2*	Max WS	7315.43	25.72	42.98		42.99	0.000016	1.04	8005.66	759.78	0.05
Hempstead Lake	15200.02	Max WS	7315.29	25.67	42.98		42.99	0.000014	1.04	7984.27	759.00	0.05
Hempstead Lake	15180.7*	Max WS	7311.86	25.24	42.98		42.99	0.000015	0.99	8423.29	787.39	0.05
Hempstead Lake	15161.4*	Max WS	7310.37	24.82	42.98		42.99	0.000016	0.94	8882.06	812.76	0.04
Hempstead Lake	15142.1*	Max WS	7308.92	24.39	42.98		42.99	0.000017	0.89	9360.52	840.84	0.04
Hempstead Lake	15122.8*	Max WS	7307.52	23.96	42.98		42.99	0.000018	0.84	9855.15	864.54	0.04
Hempstead Lake	15103.5*	Max WS	7306.17	23.53	42.98		42.99	0.000018	0.80	10366.20	888.35	0.04
Hempstead Lake	15084.2*	Max WS	7304.89	23.11	42.98		42.99	0.000019	0.75	10894.39	910.97	0.03
Hempstead Lake	15064.9*	Max WS	7303.67	22.68	42.98		42.99	0.000019	0.71	11437.53	931.53	0.03
Hempstead Lake	15045.6*	Max WS	7302.53	22.25	42.98		42.99	0.000019	0.68	11995.61	951.03	0.03
Hempstead Lake	15026.4*	Max WS	7301.48	21.82	42.98		42.99	0.000018	0.64	12568.90	969.74	0.03
Hempstead Lake	15007.1*	Max WS	7300.51	21.40	42.98		42.99	0.000018	0.61	13154.94	987.76	0.03
Hempstead Lake	14987.82	Max WS	7299.63	20.97	42.98		42.99	0.000003	0.60	13756.13	1005.22	0.02
Hempstead Lake	14966.6*	Max WS	7342.43	20.84	42.98		42.99	0.000017	0.58	14100.92	1027.16	0.02
Hempstead Lake	14945.4*	Max WS	7341.69	20.72	42.98		42.99	0.000016	0.56	14450.59	1049.34	0.02
Hempstead Lake	14924.3*	Max WS	7341.09	20.59	42.98		42.99	0.000015	0.54	14810.84	1072.05	0.02
Hempstead Lake	14903.1*	Max WS	7340.63	20.46	42.98		42.99	0.000014	0.53	15177.31	1095.25	0.02
Hempstead Lake	14882.*	Max WS	7340.33	20.34	42.98		42.99	0.000013	0.51	15553.68	1119.56	0.02
Hempstead Lake	14860.8*	Max WS	7340.19	20.21	42.98		42.99	0.000013	0.50	16062.28	1400.24	0.02
Hempstead Lake	14839.6*	Max WS	7315.29	20.08	42.98		42.99	0.000012	0.48	16713.95	1517.68	0.02
Hempstead Lake	14818.5*	Max WS	7312.06	19.96	42.98		42.99	0.000011	0.47	17425.45	1628.23	0.02
Hempstead Lake	14797.35	Max WS	7308.81	19.83	42.98		42.99	0.000002	0.46	18184.75	1720.41	0.02
Hempstead Lake	14777.4*	Max WS	7305.89	19.81	42.98		42.98	0.000009	0.45	18361.43	1728.66	0.02
Hempstead Lake	14757.4*	Max WS	7303.17	19.80	42.98		42.98	0.000008	0.44	18549.08	1738.84	0.02
Hempstead Lake	14737.5*	Max WS	7300.65	19.78	42.98		42.98	0.000007	0.43	18749.19	1745.60	0.02
Hempstead Lake	14717.5*	Max WS	7298.35	19.76	42.98		42.98	0.000007	0.43	18965.58	1751.05	0.02
Hempstead Lake	14697.6*	Max WS	7296.28	19.74	42.98		42.98	0.000006	0.42	19197.79	1753.94	0.02
Hempstead Lake	14677.6*	Max WS	7294.42	19.73	42.98		42.98	0.000005	0.41	19447.02	1745.56	0.02
Hempstead Lake	14657.7*	Max WS	7292.82	19.71	42.98		42.98	0.000005	0.41	19712.59	1731.52	0.02
Hempstead Lake	14637.7*	Max WS	7291.51	19.69	42.98		42.98	0.000004	0.40	20011.19	1618.38	0.02
Hempstead Lake	14617.8*	Max WS	7290.53	19.67	42.98		42.98	0.000004	0.39	20371.08	1523.39	0.02
Hempstead Lake	14597.8*	Max WS	7289.82	19.65	42.98		42.98	0.000003	0.39	20763.06	1551.04	0.02
Hempstead Lake	14577.9*	Max WS	7289.36	19.64	42.98		42.98	0.000003	0.38	21167.78	1585.67	0.02
Hempstead Lake	14557.9*	Max WS	7289.15	19.62	42.98		42.98	0.000003	0.38	21600.24	1663.20	0.01
Hempstead Lake	14538.0*	Max WS	7235.83	19.60	42.98		42.98	0.000002	0.37	22078.49	1717.58	0.01
Hempstead Lake	14518.0*	Max WS	7232.41	19.58	42.98		42.98	0.000002	0.36	22576.23	1743.29	0.01
Hempstead Lake	14498.1*	Max WS	7229.17	19.57	42.98		42.98	0.000002	0.36	23078.50	1765.63	0.01
Hempstead Lake	14478.1*	Max WS	7226.11	19.55	42.98		42.98	0.000002	0.35	23587.71	1780.38	0.01
Hempstead Lake	14458.2*	Max WS	7223.27	19.53	42.98		42.98	0.000001	0.35	24098.59	1793.19	0.01
Hempstead Lake	14438.2*	Max WS	7220.65	19.51	42.98		42.98	0.000001	0.34	24608.29	1804.38	0.01
Hempstead Lake	14418.3*	Max WS	7218.27	19.50	42.98		42.98	0.000001	0.34	25114.41	1816.17	0.01
Hempstead Lake	14398.37	Max WS	7216.13	19.48	42.98		42.98	0.000001	0.33	25623.32	1829.36	0.01
Hempstead Lake	14378.3*	Max WS	7214.26	19.48	42.98		42.98	0.000001	0.34	25344.92	1810.43	0.01
Hempstead Lake	14358.3*	Max WS	7212.68	19.49	42.98		42.98	0.000001	0.34	25062.16	1791.03	0.01
Hempstead Lake	14338.2*	Max WS	7211.40	19.49	42.98		42.98	0.000001	0.35	24785.02	1771.45	0.01
Hempstead Lake	14318.2*	Max WS	7210.43	19.49	42.98		42.98	0.000001	0.36	24506.08	1752.59	0.01
Hempstead Lake	14298.2*	Max WS	7209.79	19.49	42.98		42.98	0.000001	0.36	24227.56	1734.32	0.01
Hempstead Lake	14278.1*	Max WS	7209.47	19.50	42.98		42.98	0.000001	0.37	23952.30	1717.02	0.01
Hempstead Lake	14258.1*	Max WS	7137.24	19.50	42.98		42.98	0.000001	0.37	23679.08	1700.71	0.01
Hempstead Lake	14238.1*	Max WS	7133.72	19.50	42.98		42.98	0.000001	0.38	23409.00	1685.64	0.01
Hempstead Lake	14218.0*	Max WS	7130.42	19.50	42.98		42.98	0.000001	0.38	23153.75	1788.48	0.01
Hempstead Lake	14198.0*	Max WS	7127.29	19.51	42.98		42.98	0.000001	0.39	22962.01	1810.63	0.02
Hempstead Lake	14178.0*	Max WS	7124.37	19.51	42.98		42.98	0.000001	0.40	22783.24	1830.65	0.02
Hempstead Lake	14157.9*	Max WS	7121.74	19.51	42.98		42.98	0.000001	0.40	22620.60	1861.44	0.02
Hempstead Lake	14137.9*	Max WS	7119.43	19.51	42.98		42.98	0.000001	0.41	22471.89	1873.66	0.02
Hempstead Lake	14117.9*	Max WS	7117.48	19.52	42.98		42.98	0.000001	0.42	22318.51	1839.57	0.02
Hempstead Lake	14097.8*	Max WS	7115.96	19.52	42.98		42.98	0.000001	0.42	22154.82	1802.32	0.02
Hempstead Lake	14077.8*	Max WS	7114.85	19.52	42.98		42.98	0.000001	0.43	21978.30	1764.59	0.02
Hempstead Lake	14057.8*	Max WS	7114.16	19.52	42.98		42.98	0.000001	0.44	21789.11	1726.57	0.02
Hempstead Lake	14037.7*	Max WS	7113.90	19.53	42.98		42.98	0.000001	0.44	21588.94	1688.16	0.02
Hempstead Lake	14017.75	Max WS	7034.78	19.53	42.98		42.98	0.000001	0.45	21372.91	1649.50	0.02
Hempstead Lake	13998.2*	Max WS	7031.40	19.61	42.98		42.98	0.000003	0.42	21229.76	1640.37	0.02
Hempstead Lake	13978.6*	Max WS	7028.28	19.69	42.98		42.98	0.000003	0.42	21083.06	1631.16	0.02
Hempstead Lake	13959.1*	Max WS	7025.45	19.77	42.98		42.98	0.000003	0.42	20930.89	1621.92	0.02
Hempstead Lake	13939.6*	Max WS	7022.90	19.85	42.98		42.98	0.000003	0.41	20774.03	1612.72	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7020.65	19.94	42.98		42.98	0.000003	0.41	20613.42	1603.51	0.02
Hempstead Lake	13900.5*	Max WS	7018.72	20.02	42.97		42.98	0.000004	0.41	20447.12	1593.68	0.02
Hempstead Lake	13881.*	Max WS	7017.12	20.10	42.97		42.98	0.000004	0.41	20278.42	1581.65	0.02
Hempstead Lake	13861.4*	Max WS	7015.85	20.18	42.97		42.98	0.000004	0.41	20107.97	1570.14	0.02
Hempstead Lake	13841.9*	Max WS	7014.93	20.26	42.97		42.98	0.000004	0.41	19932.99	1559.14	0.02
Hempstead Lake	13822.3*	Max WS	7014.37	20.34	42.97		42.98	0.000004	0.41	19753.17	1547.45	0.02
Hempstead Lake	13802.8*	Max WS	6940.73	20.42	42.97		42.98	0.000004	0.41	19572.08	1535.47	0.02
Hempstead Lake	13783.3*	Max WS	6936.94	20.50	42.97		42.98	0.000004	0.41	19385.60	1525.11	0.02
Hempstead Lake	13763.7*	Max WS	6933.42	20.59	42.97		42.98	0.000004	0.41	19192.87	1516.14	0.02
Hempstead Lake	13744.2*	Max WS	6930.16	20.67	42.97		42.98	0.000004	0.41	18993.23	1508.35	0.02
Hempstead Lake	13724.7*	Max WS	6927.19	20.75	42.97		42.98	0.000004	0.42	18786.10	1501.65	0.02
Hempstead Lake	13705.1*	Max WS	6924.50	20.83	42.97		42.97	0.000004	0.42	18566.76	1495.76	0.02
Hempstead Lake	13685.63	Max WS	6922.13	20.91	42.97		42.97	0.000002	0.43	18339.22	1490.70	0.02
Hempstead Lake	13666.4*	Max WS	6920.15	21.07	42.97		42.97	0.000003	0.41	18828.23	1487.87	0.02
Hempstead Lake	13647.1*	Max WS	6918.47	21.23	42.97		42.97	0.000003	0.40	19243.76	1485.05	0.02
Hempstead Lake	13627.9*	Max WS	6917.13	21.39	42.97		42.97	0.000003	0.39	19584.69	1482.24	0.02
Hempstead Lake	13608.7*	Max WS	6916.10	21.56	42.97		42.97	0.000003	0.39	19849.26	1479.43	0.02
Hempstead Lake	13589.5*	Max WS	6915.41	21.72	42.97		42.97	0.000003	0.38	20041.63	1476.62	0.02
Hempstead Lake	13570.2*	Max WS	6915.08	21.88	42.97		42.97	0.000003	0.38	20159.23	1473.83	0.02
Hempstead Lake	13551.0*	Max WS	6840.79	22.04	42.97		42.97	0.000003	0.38	20203.10	1471.05	0.02
Hempstead Lake	13531.8*	Max WS	6836.79	22.20	42.97		42.97	0.000003	0.38	20171.34	1468.27	0.02
Hempstead Lake	13512.6*	Max WS	6832.98	22.36	42.97		42.97	0.000003	0.38	20065.09	1465.43	0.02
Hempstead Lake	13493.3*	Max WS	6829.41	22.53	42.97		42.97	0.000002	0.38	19885.55	1462.62	0.02
Hempstead Lake	13474.1*	Max WS	6826.06	22.69	42.97		42.97	0.000002	0.39	19630.64	1459.88	0.02
Hempstead Lake	13454.9*	Max WS	6822.98	22.85	42.97		42.97	0.000002	0.40	19302.66	1457.21	0.02
Hempstead Lake	13435.72	Max WS	6820.18	23.01	42.97		42.97	0.000002	0.39	18898.88	1454.59	0.02
Hempstead Lake	13419.3*	Max WS	6818.03	23.00	42.97		42.97	0.000002	0.41	18931.21	1458.37	0.02
Hempstead Lake	13403.0*	Max WS	6816.09	23.00	42.97		42.97	0.000003	0.41	18977.62	1462.15	0.02
Hempstead Lake	13386.6*	Max WS	6814.37	22.99	42.97		42.97	0.000003	0.40	19035.84	1465.90	0.02
Hempstead Lake	13370.3*	Max WS	6812.91	22.98	42.97		42.97	0.000003	0.40	19106.48	1469.63	0.02
Hempstead Lake	13354.*	Max WS	6811.69	22.98	42.97		42.97	0.000003	0.40	19188.97	1473.35	0.02
Hempstead Lake	13337.6*	Max WS	6810.74	22.97	42.97		42.97	0.000003	0.40	19285.13	1477.04	0.02
Hempstead Lake	13321.3*	Max WS	6810.07	22.96	42.97		42.97	0.000003	0.39	19393.38	1480.66	0.02
Hempstead Lake	13304.9*	Max WS	6809.70	22.95	42.97		42.97	0.000003	0.39	19513.34	1484.31	0.02
Hempstead Lake	13288.6*	Max WS	6733.49	22.95	42.97		42.97	0.000002	0.38	19646.80	1487.93	0.02
Hempstead Lake	13272.29	Max WS	6729.33	22.94	42.97		42.97	0.000002	0.38	19791.97	1491.53	0.02
Hempstead Lake	13255.0*	Max WS	6724.91	22.90	42.97		42.97	0.000002	0.38	20064.07	1493.76	0.02
Hempstead Lake	13237.8*	Max WS	6720.66	22.87	42.97		42.97	0.000002	0.37	20326.34	1495.99	0.02
Hempstead Lake	13220.5*	Max WS	6716.59	22.83	42.97		42.97	0.000002	0.36	20581.41	1498.13	0.02
Hempstead Lake	13203.3*	Max WS	6712.71	22.80	42.97		42.97	0.000002	0.36	20825.77	1500.22	0.02
Hempstead Lake	13186.0*	Max WS	6709.02	22.76	42.97		42.97	0.000002	0.35	21061.29	1502.32	0.02
Hempstead Lake	13168.8*	Max WS	6705.54	22.72	42.97		42.97	0.000002	0.35	21287.68	1504.31	0.02
Hempstead Lake	13151.6*	Max WS	6702.29	22.69	42.97		42.97	0.000002	0.35	21504.83	1506.21	0.02
Hempstead Lake	13134.3*	Max WS	6699.27	22.65	42.97		42.97	0.000002	0.34	21713.26	1508.12	0.01
Hempstead Lake	13117.1*	Max WS	6696.51	22.62	42.97		42.97	0.000002	0.34	21913.07	1509.88	0.01
Hempstead Lake	13099.8*	Max WS	6694.02	22.58	42.97		42.97	0.000002	0.33	22103.59	1511.63	0.01
Hempstead Lake	13082.6*	Max WS	6691.82	22.55	42.97		42.97	0.000002	0.33	22284.06	1513.19	0.01
Hempstead Lake	13065.3*	Max WS	6689.92	22.51	42.97		42.97	0.000002	0.33	22457.28	1514.62	0.01
Hempstead Lake	13048.1*	Max WS	6688.35	22.47	42.97		42.97	0.000002	0.33	22621.03	1516.03	0.01
Hempstead Lake	13030.9*	Max WS	6687.12	22.44	42.97		42.97	0.000002	0.32	22774.08	1517.20	0.01
Hempstead Lake	13013.6*	Max WS	6686.24	22.40	42.97		42.97	0.000002	0.32	22919.47	1518.22	0.01
Hempstead Lake	12996.4*	Max WS	6685.73	22.37	42.97		42.97	0.000002	0.32	23056.66	1519.00	0.01
Hempstead Lake	12979.1*	Max WS	6597.79	22.33	42.97		42.97	0.000002	0.31	23182.14	1519.45	0.01
Hempstead Lake	12961.9*	Max WS	6592.26	22.29	42.97		42.97	0.000002	0.31	23302.62	1519.57	0.01
Hempstead Lake	12944.7*	Max WS	6586.86	22.26	42.97		42.97	0.000002	0.31	23411.83	1519.25	0.01
Hempstead Lake	12927.4*	Max WS	6581.60	22.22	42.97		42.97	0.000002	0.31	23513.56	1518.35	0.01
Hempstead Lake	12910.2*	Max WS	6576.49	22.19	42.97		42.97	0.000002	0.31	23606.87	1516.71	0.01
Hempstead Lake	12892.97	Max WS	6571.55	22.15	42.97		42.97	0.000001	0.31	23691.19	1514.07	0.01
Hempstead Lake	12881.0*	Max WS	7874.52	22.12	42.96		42.97	0.000001	0.37	23676.91	1512.28	0.02
Hempstead Lake	12869.1*	Max WS	7870.79	22.09	42.96		42.97	0.000001	0.37	23664.84	1510.87	0.02
Hempstead Lake	12857.1*	Max WS	7867.19	22.06	42.96		42.97	0.000001	0.37	23651.52	1509.18	0.02
Hempstead Lake	12845.2*	Max WS	7863.73	22.03	42.96		42.97	0.000001	0.37	23638.50	1507.45	0.02
Hempstead Lake	12833.3*	Max WS	7860.40	22.00	42.96		42.97	0.000001	0.37	23624.40	1505.36	0.02
Hempstead Lake	12821.4*	Max WS	7857.22	21.97	42.96		42.97	0.000001	0.37	23613.15	1503.21	0.02
Hempstead Lake	12809.4*	Max WS	7854.20	21.94	42.96		42.97	0.000001	0.37	23601.09	1500.72	0.02
Hempstead Lake	12797.5*	Max WS	7851.33	21.92	42.96		42.97	0.000001	0.37	23588.17	1497.87	0.01
Hempstead Lake	12785.6*	Max WS	7848.65	21.89	42.96		42.97	0.000001	0.37	23576.88	1493.97	0.01
Hempstead Lake	12773.7*	Max WS	7846.15	21.86	42.96		42.97	0.000001	0.37	23565.68	1489.68	0.01
Hempstead Lake	12761.7*	Max WS	7843.86	21.83	42.96		42.97	0.000001	0.37	23554.83	1484.67	0.01
Hempstead Lake	12749.8*	Max WS	7841.78	21.80	42.96		42.97	0.000001	0.37	23545.81	1479.15	0.01
Hempstead Lake	12737.9*	Max WS	7839.93	21.77	42.96		42.97	0.000001	0.37	23537.59	1472.84	0.01
Hempstead Lake	12726.0*	Max WS	7838.32	21.74	42.96		42.97	0.000001	0.37	23529.65	1465.85	0.01
Hempstead Lake	12714.0*	Max WS	7836.95	21.71	42.96		42.97	0.000001	0.37	23521.54	1460.93	0.01
Hempstead Lake	12702.1*	Max WS	7835.84	21.68	42.96		42.97	0.000001	0.37	23517.71	1455.86	0.01
Hempstead Lake	12690.2*	Max WS	7835.01	21.65	42.96		42.96	0.000001	0.37	23513.36	1450.47	0.01
Hempstead Lake	12678.3*	Max WS	7834.46	21.62	42.96		42.96	0.000001	0.37	23510.50	1445.01	0.01
Hempstead Lake	12666.3*	Max WS	7834.23	21.59	42.96		42.96	0.000001	0.37	23507.95	1439.10	0.01
Hempstead Lake	12654.4*	Max WS	7737.56	21.56	42.96		42.96	0.000001	0.37	23506.96	1433.38	0.01
Hempstead Lake	12642.5*	Max WS	7732.08	21.53	42.96		42.96	0.000001	0.37	23508.11	1429.57	0.01
Hempstead Lake	12630.6*	Max WS	7726.61	21.50	42.96		42.96	0.000001	0.37	23509.16	1425.79	0.01
Hempstead Lake	12618.6*	Max WS	7721.16	21.47	42.96		42.96	0.000001	0.37	23511.88	1422.09	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	7715.71	21.45	42.96		42.96	0.000001	0.37	23514.45	1418.33	0.01
Hempstead Lake	12594.8*	Max WS	7710.27	21.42	42.96		42.96	0.000001	0.37	23519.30	1414.75	0.01
Hempstead Lake	12582.9*	Max WS	7704.85	21.39	42.96		42.96	0.000001	0.37	23523.85	1411.12	0.01
Hempstead Lake	12570.9*	Max WS	7699.44	21.36	42.96		42.96	0.000001	0.37	23528.73	1407.61	0.01
Hempstead Lake	12559.0*	Max WS	7694.05	21.33	42.96		42.96	0.000001	0.36	23534.76	1404.53	0.01
Hempstead Lake	12547.1*	Max WS	7688.67	21.30	42.96		42.96	0.000001	0.36	23542.22	1402.41	0.01
Hempstead Lake	12535.2*	Max WS	7683.29	21.27	42.96		42.96	0.000001	0.36	23550.68	1400.38	0.01
Hempstead Lake	12523.27	Max WS	7677.92	21.24	42.96		42.96	0.000001	0.36	23557.75	1398.28	0.01
Hempstead Lake	12515.8*	Max WS	8245.24	21.24	42.96		42.96	0.000001	0.39	23373.11	1385.26	0.02
Hempstead Lake	12508.3*	Max WS	8242.41	21.24	42.96		42.96	0.000002	0.39	23189.96	1372.17	0.02
Hempstead Lake	12500.9*	Max WS	8239.61	21.23	42.96		42.96	0.000002	0.39	23007.45	1359.13	0.02
Hempstead Lake	12493.4*	Max WS	8236.84	21.23	42.96		42.96	0.000002	0.39	22825.05	1345.99	0.02
Hempstead Lake	12486.0*	Max WS	8234.10	21.23	42.96		42.96	0.000002	0.39	22644.78	1332.89	0.02
Hempstead Lake	12478.5*	Max WS	8231.38	21.23	42.96		42.96	0.000002	0.40	22464.05	1319.70	0.02
Hempstead Lake	12471.1*	Max WS	8228.70	21.23	42.96		42.96	0.000003	0.40	22284.45	1306.55	0.02
Hempstead Lake	12463.7*	Max WS	8226.04	21.23	42.96		42.96	0.000003	0.40	22105.56	1293.29	0.02
Hempstead Lake	12456.2*	Max WS	8223.41	21.22	42.96		42.96	0.000003	0.40	21927.94	1280.06	0.02
Hempstead Lake	12448.8*	Max WS	8220.81	21.22	42.96		42.96	0.000003	0.40	21749.82	1266.67	0.02
Hempstead Lake	12441.3*	Max WS	8218.24	21.22	42.96		42.96	0.000004	0.40	21572.58	1253.31	0.02
Hempstead Lake	12433.9*	Max WS	8215.70	21.22	42.96		42.96	0.000004	0.40	21396.23	1239.80	0.02
Hempstead Lake	12426.4*	Max WS	8213.18	21.22	42.96		42.96	0.000005	0.41	21222.48	1226.26	0.02
Hempstead Lake	12419.0*	Max WS	8210.70	21.21	42.96		42.96	0.000005	0.41	21047.23	1212.52	0.02
Hempstead Lake	12411.5*	Max WS	8208.24	21.21	42.96		42.96	0.000005	0.41	20873.87	1198.62	0.02
Hempstead Lake	12404.1*	Max WS	8205.82	21.21	42.96		42.96	0.000006	0.41	20701.17	1184.54	0.02
Hempstead Lake	12396.6*	Max WS	8203.43	21.21	42.96		42.96	0.000006	0.41	20529.10	1170.09	0.02
Hempstead Lake	12389.2*	Max WS	8201.07	21.21	42.96		42.96	0.000006	0.42	20358.75	1155.25	0.02
Hempstead Lake	12381.8*	Max WS	8198.75	21.21	42.96		42.96	0.000007	0.42	20188.75	1139.72	0.02
Hempstead Lake	12374.3*	Max WS	8196.45	21.20	42.96		42.96	0.000007	0.42	20020.06	1120.56	0.02
Hempstead Lake	12366.9*	Max WS	8194.19	21.20	42.96		42.96	0.000008	0.42	19853.47	1106.25	0.02
Hempstead Lake	12359.46	Max WS	8191.96	21.20	42.96		42.96	0.000002	0.44	19687.53	1091.75	0.02
Hempstead Lake	12350.7*	Max WS	8570.16	21.19	42.96		42.96	0.000009	0.45	19357.86	1077.94	0.02
Hempstead Lake	12342.0*	Max WS	8567.44	21.17	42.96		42.96	0.000009	0.46	19031.59	1064.12	0.02
Hempstead Lake	12333.3*	Max WS	8564.75	21.16	42.96		42.96	0.000010	0.47	18704.48	1050.24	0.02
Hempstead Lake	12324.7*	Max WS	8562.08	21.14	42.96		42.96	0.000010	0.48	18379.81	1041.22	0.02
Hempstead Lake	12316.0*	Max WS	8559.44	21.13	42.96		42.96	0.000010	0.48	18059.33	1030.55	0.02
Hempstead Lake	12307.3*	Max WS	8556.83	21.11	42.96		42.96	0.000010	0.49	17740.38	1019.74	0.02
Hempstead Lake	12298.6*	Max WS	8554.24	21.10	42.96		42.96	0.000011	0.50	17423.10	1008.70	0.02
Hempstead Lake	12289.9*	Max WS	8551.68	21.09	42.96		42.96	0.000011	0.51	17108.63	997.60	0.02
Hempstead Lake	12281.2*	Max WS	8549.15	21.07	42.96		42.96	0.000011	0.52	16796.81	986.22	0.02
Hempstead Lake	12272.5*	Max WS	8546.65	21.06	42.96		42.96	0.000011	0.53	16486.07	974.81	0.02
Hempstead Lake	12263.8*	Max WS	8544.18	21.04	42.96		42.96	0.000012	0.54	16177.32	963.10	0.02
Hempstead Lake	12255.1*	Max WS	8541.73	21.03	42.96		42.96	0.000012	0.55	15870.63	951.20	0.02
Hempstead Lake	12246.4*	Max WS	8539.32	21.01	42.96		42.96	0.000012	0.56	15567.21	939.35	0.02
Hempstead Lake	12237.7*	Max WS	8536.94	21.00	42.96		42.96	0.000013	0.58	15265.21	927.13	0.02
Hempstead Lake	12229.1*	Max WS	8534.58	20.99	42.96		42.96	0.000013	0.59	14965.14	914.99	0.02
Hempstead Lake	12220.4*	Max WS	8532.26	20.97	42.96		42.96	0.000014	0.60	14666.04	902.45	0.02
Hempstead Lake	12211.7*	Max WS	8529.97	20.96	42.96		42.96	0.000014	0.61	14370.28	890.04	0.02
Hempstead Lake	12203.0*	Max WS	8527.70	20.94	42.96		42.96	0.000014	0.63	14075.45	877.31	0.03
Hempstead Lake	12194.3*	Max WS	8525.46	20.93	42.96		42.96	0.000015	0.64	13782.69	864.65	0.03
Hempstead Lake	12185.6*	Max WS	8523.24	20.91	42.95		42.96	0.000015	0.66	13492.55	851.83	0.03
Hempstead Lake	12176.9*	Max WS	8521.06	20.90	42.95		42.96	0.000016	0.67	13203.38	838.63	0.03
Hempstead Lake	12168.2*	Max WS	8518.91	20.89	42.95		42.96	0.000016	0.69	12916.49	825.46	0.03
Hempstead Lake	12159.5*	Max WS	8516.79	20.87	42.95		42.96	0.000017	0.70	12631.28	811.97	0.03
Hempstead Lake	12150.8*	Max WS	8514.72	20.86	42.95		42.96	0.000017	0.72	12347.45	798.58	0.03
Hempstead Lake	12142.1*	Max WS	8512.67	20.84	42.95		42.96	0.000015	0.74	12065.60	784.90	0.03
Hempstead Lake	12133.5*	Max WS	8510.66	20.83	42.95		42.96	0.000016	0.76	11785.79	771.13	0.03
Hempstead Lake	12124.8*	Max WS	8508.69	20.81	42.95		42.96	0.000016	0.78	11507.94	757.39	0.03
Hempstead Lake	12116.1*	Max WS	8506.76	20.80	42.95		42.96	0.000017	0.80	11230.82	743.42	0.03
Hempstead Lake	12107.4*	Max WS	8504.85	20.79	42.95		42.96	0.000017	0.82	10955.55	729.30	0.03
Hempstead Lake	12098.7*	Max WS	8502.99	20.77	42.95		42.96	0.000017	0.84	10682.46	715.12	0.04
Hempstead Lake	12090.0*	Max WS	8501.16	20.76	42.95		42.96	0.000018	0.87	10410.65	700.83	0.04
Hempstead Lake	12081.3*	Max WS	8499.37	20.74	42.95		42.96	0.000018	0.89	10141.05	686.48	0.04
Hempstead Lake	12072.6*	Max WS	8497.62	20.73	42.95		42.96	0.000019	0.92	9871.75	671.99	0.04
Hempstead Lake	12063.9*	Max WS	8495.91	20.71	42.95		42.96	0.000019	0.95	9604.82	657.42	0.04
Hempstead Lake	12055.2*	Max WS	8494.23	20.70	42.95		42.96	0.000019	0.98	9339.96	642.89	0.04
Hempstead Lake	12046.5*	Max WS	8492.58	20.69	42.94		42.96	0.000020	1.01	9075.43	628.21	0.04
Hempstead Lake	12037.9*	Max WS	8490.97	20.67	42.94		42.96	0.000020	1.04	8814.00	613.39	0.04
Hempstead Lake	12029.2*	Max WS	8489.39	20.66	42.94		42.96	0.000021	1.07	8552.52	598.56	0.05
Hempstead Lake	12020.5*	Max WS	8487.85	20.64	42.94		42.96	0.000021	1.11	8293.28	583.13	0.05
Hempstead Lake	12011.8*	Max WS	8486.36	20.63	42.94		42.96	0.000022	1.15	8035.30	567.53	0.05
Hempstead Lake	12003.1*	Max WS	8484.90	20.61	42.94		42.96	0.000022	1.19	7778.47	551.97	0.05
Hempstead Lake	11994.45	Max WS	8483.49	20.60	42.94		42.96	0.000061	1.20	7523.67	536.20	0.05
Hempstead Lake	11989.45	Max WS	8543.72	19.90	42.93		42.96	0.000070	1.27	7205.41	535.89	0.06
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	3742.01	19.90	38.96		39.59	0.000466	6.36	588.41	469.03	0.28
Hempstead Lake	11964.45	Max WS	10069.91	20.15	40.16		40.22	0.000212	1.94	5510.37	487.94	0.09
Hempstead Lake	11954.6*	Max WS	10069.35	20.12	40.16		40.22	0.000081	2.02	5449.09	495.99	0.10
Hempstead Lake	11944.8*	Max WS	10068.79	20.08	40.16		40.22	0.000087	2.05	5392.95	505.07	0.10
Hempstead Lake	11934.9*	Max WS	10068.23	20.05	40.15		40.22	0.000092	2.08	5341.53	516.29	0.10
Hempstead Lake	11925.1*	Max WS	10067.67	20.01	40.15		40.22	0.000099	2.11	5296.70	527.74	0.11
Hempstead Lake	11915.3*	Max WS	10067.11	19.98	40.15		40.22	0.000159	2.11	5258.03	539.60	0.11

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Cril W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	10066.54	19.94	40.15		40.22	0.000164	2.14	5224.70	550.70	0.11
Hempstead Lake	11895.6*	Max WS	10065.97	19.91	40.15		40.21	0.000171	2.17	5197.10	562.38	0.11
Hempstead Lake	11885.8*	Max WS	10065.40	19.87	40.14		40.21	0.000176	2.19	5176.61	574.75	0.11
Hempstead Lake	11876.0*	Max WS	10064.82	19.84	40.14		40.21	0.000183	2.22	5163.91	587.17	0.12
Hempstead Lake	11866.2*	Max WS	10064.24	19.80	40.14		40.21	0.000188	2.24	5157.88	600.24	0.12
Hempstead Lake	11856.4*	Max WS	10063.66	19.77	40.13		40.21	0.000194	2.26	5158.51	604.50	0.12
Hempstead Lake	11846.5*	Max WS	10063.09	19.73	40.13		40.21	0.000199	2.28	5160.72	606.16	0.12
Hempstead Lake	11836.7*	Max WS	10062.52	19.70	40.13		40.20	0.000204	2.30	5163.56	607.82	0.12
Hempstead Lake	11826.9*	Max WS	10061.96	19.66	40.12		40.20	0.000163	2.35	5166.75	609.47	0.13
Hempstead Lake	11817.1*	Max WS	10061.41	19.63	40.12		40.20	0.000169	2.36	5171.79	611.13	0.13
Hempstead Lake	11807.2*	Max WS	10060.86	19.59	40.12		40.20	0.000174	2.37	5179.27	612.78	0.13
Hempstead Lake	11797.46	Max WS	10060.31	19.56	40.12		40.20	0.000119	2.40	5186.35	614.44	0.13
Hempstead Lake	11792.46	Max WS	10059.98	19.56	40.12		40.20	0.000119	2.43	5146.27	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	10073.07	19.54	38.43		38.67	0.001162	4.04	2778.40	614.44	0.32
Hempstead Lake	11627.46	Max WS	10072.77	19.54	38.44		38.66	0.000980	3.88	2879.59	614.44	0.31
Hempstead Lake	11623.2*	Max WS	10072.51	19.43	38.47		38.65	0.002135	3.51	3090.91	645.38	0.27
Hempstead Lake	11619.1*	Max WS	10072.25	19.31	38.48		38.64	0.001853	3.33	3286.70	676.31	0.25
Hempstead Lake	11614.94	Max WS	10071.99	19.20	38.48		38.64	0.000616	3.35	3468.27	707.25	0.25
Hempstead Lake	11612.94	Max WS	10071.86	19.20	38.48		38.64	0.000582	3.31	3509.45	707.25	0.25
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	2886.70	19.20	35.56		36.05	0.000361	5.63	512.83	681.51	0.25
Hempstead Lake	11598.94	Max WS	3261.90	19.20	35.91		35.96	0.000172	1.80	1986.59	689.83	0.17
Hempstead Lake	11573.9*	Max WS	3261.41	19.18	35.93		35.95	0.000063	1.34	2698.15	763.98	0.11
Hempstead Lake	11548.9*	Max WS	3260.93	19.15	35.93		35.95	0.000041	1.07	3453.70	838.01	0.08
Hempstead Lake	11523.9*	Max WS	3260.43	19.12	35.94		35.95	0.000029	0.88	4254.42	914.07	0.06
Hempstead Lake	11498.9*	Max WS	3259.90	19.10	35.94		35.95	0.000023	0.74	5100.83	991.28	0.05
Hempstead Lake	11473.9*	Max WS	3259.33	19.08	35.94		35.95	0.000018	0.63	5994.05	1069.20	0.04
Hempstead Lake	11448.9*	Max WS	3258.70	19.05	35.94		35.95	0.000014	0.54	6931.41	1147.57	0.03
Hempstead Lake	11423.9*	Max WS	3258.04	19.02	35.94		35.95	0.000011	0.47	7915.47	1222.74	0.03
Hempstead Lake	11398.9*	Max WS	3257.31	19.00	35.95		35.95	0.000008	0.41	8946.98	1293.49	0.02
Hempstead Lake	11373.9*	Max WS	3256.53	18.98	35.95		35.95	0.000007	0.35	10025.59	1364.84	0.02
Hempstead Lake	11349.*	Max WS	3255.70	18.95	35.95		35.95	0.000005	0.31	11150.64	1436.51	0.02
Hempstead Lake	11324.*	Max WS	3254.81	18.92	35.95		35.95	0.000004	0.27	12325.24	1508.27	0.01
Hempstead Lake	11299.0*	Max WS	3253.86	18.90	35.95		35.95	0.000003	0.24	13543.13	1579.98	0.01
Hempstead Lake	11274.0*	Max WS	3252.85	18.88	35.95		35.95	0.000003	0.21	14811.82	1618.13	0.01
Hempstead Lake	11249.0*	Max WS	3251.81	18.85	35.95		35.95	0.000002	0.18	16132.15	1661.93	0.01
Hempstead Lake	11224.0*	Max WS	3250.73	18.83	35.95		35.95	0.000002	0.16	17503.42	1724.47	0.01
Hempstead Lake	11199.0*	Max WS	3249.59	18.80	35.95		35.95	0.000001	0.14	18920.05	1787.38	0.01
Hempstead Lake	11174.0*	Max WS	3248.41	18.77	35.95		35.95	0.000001	0.12	20386.29	1853.55	0.01
Hempstead Lake	11149.0*	Max WS	3247.18	18.75	35.95		35.95	0.000001	0.11	21900.63	1923.22	0.01
Hempstead Lake	11124.0*	Max WS	3245.89	18.73	35.95		35.95	0.000001	0.10	23462.67	1992.82	0.00
Hempstead Lake	11099.0*	Max WS	3244.54	18.70	35.95		35.95	0.000000	0.08	25070.71	2062.80	0.00
Hempstead Lake	11074.0*	Max WS	3243.14	18.67	35.95		35.95	0.000000	0.07	26729.87	2132.68	0.00
Hempstead Lake	11049.07	Max WS	3241.69	18.65	35.95		35.95	0.000000	0.12	28433.50	2202.66	0.01
Hempstead Lake	11038.4*	Max WS	3240.83	18.61	35.95		35.95	0.000000	0.07	27734.88	2177.10	0.00
Hempstead Lake	11027.7*	Max WS	3239.97	18.58	35.95		35.95	0.000000	0.07	27055.17	2151.40	0.00
Hempstead Lake	11017.0*	Max WS	3239.12	18.54	35.95		35.95	0.000000	0.08	26390.96	2125.90	0.00
Hempstead Lake	11006.4*	Max WS	3238.28	18.50	35.95		35.95	0.000000	0.09	25743.07	2100.46	0.00
Hempstead Lake	10995.7*	Max WS	3237.46	18.47	35.95		35.95	0.000000	0.09	25116.11	2076.78	0.00
Hempstead Lake	10985.0*	Max WS	3236.63	18.43	35.95		35.95	0.000001	0.10	24505.05	2053.20	0.00
Hempstead Lake	10974.4*	Max WS	3235.81	18.39	35.94		35.95	0.000001	0.10	23910.56	2029.46	0.00
Hempstead Lake	10963.7*	Max WS	3235.01	18.35	35.94		35.95	0.000001	0.11	23335.60	1999.66	0.00
Hempstead Lake	10953.1*	Max WS	3234.24	18.32	35.94		35.95	0.000001	0.11	22787.49	1869.19	0.01
Hempstead Lake	10942.4*	Max WS	3233.50	18.28	35.94		35.95	0.000001	0.12	22271.52	1789.18	0.01
Hempstead Lake	10931.7*	Max WS	3232.78	18.24	35.94		35.94	0.000001	0.13	21771.71	1769.71	0.01
Hempstead Lake	10921.1*	Max WS	3232.07	18.21	35.94		35.94	0.000001	0.13	21291.04	1750.15	0.01
Hempstead Lake	10910.4*	Max WS	3231.37	18.17	35.94		35.94	0.000001	0.14	20827.79	1731.14	0.01
Hempstead Lake	10899.7*	Max WS	3230.67	18.13	35.94		35.94	0.000001	0.15	20376.69	1712.05	0.01
Hempstead Lake	10889.1*	Max WS	3229.99	18.10	35.94		35.94	0.000001	0.15	19943.32	1693.26	0.01
Hempstead Lake	10878.4*	Max WS	3229.32	18.06	35.94		35.94	0.000001	0.16	19524.72	1674.27	0.01
Hempstead Lake	10867.8*	Max WS	3228.66	18.02	35.94		35.94	0.000001	0.17	19122.64	1655.28	0.01
Hempstead Lake	10857.1*	Max WS	3228.01	17.99	35.94		35.94	0.000001	0.17	18735.10	1636.54	0.01
Hempstead Lake	10846.4*	Max WS	3227.38	17.95	35.94		35.94	0.000001	0.18	18365.64	1617.71	0.01
Hempstead Lake	10835.8*	Max WS	3226.77	17.91	35.94		35.94	0.000001	0.19	18009.31	1598.94	0.01
Hempstead Lake	10825.1*	Max WS	3226.16	17.88	35.94		35.94	0.000001	0.19	17669.90	1580.40	0.01
Hempstead Lake	10814.4*	Max WS	3225.57	17.84	35.94		35.94	0.000001	0.20	17346.94	1561.76	0.01
Hempstead Lake	10803.8*	Max WS	3225.00	17.80	35.94		35.94	0.000001	0.20	17038.07	1543.25	0.01
Hempstead Lake	10793.1*	Max WS	3224.44	17.76	35.94		35.94	0.000001	0.21	16746.95	1524.78	0.01
Hempstead Lake	10782.4*	Max WS	3223.89	17.73	35.94		35.94	0.000001	0.21	16469.30	1506.37	0.01
Hempstead Lake	10771.8*	Max WS	3223.37	17.69	35.94		35.94	0.000001	0.22	16208.43	1488.11	0.01
Hempstead Lake	10761.1*	Max WS	3222.86	17.65	35.94		35.94	0.000001	0.22	15964.61	1469.85	0.01
Hempstead Lake	10750.5*	Max WS	3222.37	17.62	35.94		35.94	0.000001	0.22	15733.66	1451.62	0.01
Hempstead Lake	10739.8*	Max WS	3221.89	17.58	35.94		35.94	0.000001	0.22	15519.34	1433.50	0.01
Hempstead Lake	10729.1*	Max WS	3221.43	17.54	35.94		35.94	0.000001	0.23	15321.26	1415.44	0.01
Hempstead Lake	10718.5*	Max WS	3220.99	17.51	35.94		35.94	0.000001	0.23	15136.55	1397.54	0.01
Hempstead Lake	10707.8*	Max WS	3220.57	17.47	35.94		35.94	0.000001	0.23	14970.43	1379.83	0.01
Hempstead Lake	10697.1*	Max WS	3220.16	17.43	35.94		35.94	0.000001	0.23	14817.27	1362.02	0.01
Hempstead Lake	10686.5*	Max WS	3219.77	17.40	35.94		35.94	0.000001	0.23	14681.50	1343.65	0.01
Hempstead Lake	10675.8*	Max WS	3219.39	17.36	35.94		35.94	0.000001	0.23	14559.86	1325.36	0.01
Hempstead Lake	10665.2*	Max WS	3219.03	17.32	35.94		35.94	0.000001	0.23	14453.90	1307.52	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	3218.69	17.29	35.94		35.94	0.000001	0.23	14362.90	1289.82	0.01
Hempstead Lake	10643.8*	Max WS	3218.36	17.25	35.94		35.94	0.000001	0.23	14287.80	1272.71	0.01
Hempstead Lake	10633.2*	Max WS	3218.05	17.21	35.94		35.94	0.000001	0.23	14227.60	1255.83	0.01
Hempstead Lake	10622.5*	Max WS	3217.76	17.17	35.94		35.94	0.000001	0.23	14182.23	1239.26	0.01
Hempstead Lake	10611.8*	Max WS	3217.47	17.14	35.94		35.94	0.000001	0.23	14150.86	1223.46	0.01
Hempstead Lake	10601.2*	Max WS	3217.20	17.10	35.94		35.94	0.000001	0.23	14134.87	1207.88	0.01
Hempstead Lake	10590.5*	Max WS	3216.94	17.06	35.94		35.94	0.000001	0.23	14132.83	1192.48	0.01
Hempstead Lake	10579.8*	Max WS	3216.70	17.03	35.94		35.94	0.000001	0.23	14145.85	1177.30	0.01
Hempstead Lake	10569.23	Max WS	3216.46	16.99	35.94		35.94	0.000001	0.23	14172.63	1162.34	0.01
Hempstead Lake	10549.1*	Max WS	3216.23	16.96	35.94		35.94	0.000001	0.23	14212.76	1158.74	0.01
Hempstead Lake	10529.0*	Max WS	3216.02	16.94	35.94		35.94	0.000001	0.23	14254.78	1154.99	0.01
Hempstead Lake	10508.9*	Max WS	3215.82	16.91	35.94		35.94	0.000001	0.22	14296.21	1149.86	0.01
Hempstead Lake	10488.7*	Max WS	3215.63	16.89	35.94		35.94	0.000001	0.22	14337.09	1142.38	0.01
Hempstead Lake	10468.6*	Max WS	3215.45	16.86	35.94		35.94	0.000001	0.22	14380.77	1134.91	0.01
Hempstead Lake	10448.5*	Max WS	3215.28	16.83	35.94		35.94	0.000001	0.22	14425.46	1128.61	0.01
Hempstead Lake	10428.4*	Max WS	3215.12	16.81	35.94		35.94	0.000001	0.22	14468.47	1123.11	0.01
Hempstead Lake	10408.3*	Max WS	3214.97	16.78	35.94		35.94	0.000001	0.22	14514.74	1119.52	0.01
Hempstead Lake	10388.2*	Max WS	3214.83	16.76	35.94		35.94	0.000001	0.22	14559.07	1116.19	0.01
Hempstead Lake	10368.1*	Max WS	3214.70	16.73	35.94		35.94	0.000001	0.22	14606.86	1113.10	0.01
Hempstead Lake	10348.0*	Max WS	3214.57	16.71	35.94		35.94	0.000001	0.22	14652.63	1110.08	0.01
Hempstead Lake	10327.9*	Max WS	3214.46	16.68	35.93		35.94	0.000001	0.22	14700.09	1107.09	0.01
Hempstead Lake	10307.8*	Max WS	3214.35	16.65	35.93		35.94	0.000001	0.22	14749.07	1104.31	0.01
Hempstead Lake	10287.7*	Max WS	3214.26	16.63	35.93		35.93	0.000001	0.22	14797.80	1101.55	0.01
Hempstead Lake	10267.6*	Max WS	3214.17	16.60	35.93		35.93	0.000001	0.22	14847.63	1098.81	0.01
Hempstead Lake	10247.4*	Max WS	3214.09	16.58	35.93		35.93	0.000001	0.22	14896.18	1096.11	0.01
Hempstead Lake	10227.3*	Max WS	3214.01	16.55	35.93		35.93	0.000001	0.22	14946.63	1093.57	0.01
Hempstead Lake	10207.2*	Max WS	3213.95	16.52	35.93		35.93	0.000001	0.21	14999.04	1091.06	0.01
Hempstead Lake	10187.1*	Max WS	3213.88	16.50	35.93		35.93	0.000001	0.21	15049.46	1088.56	0.01
Hempstead Lake	10167.0*	Max WS	3213.83	16.47	35.93		35.93	0.000001	0.21	15102.35	1086.09	0.01
Hempstead Lake	10146.9*	Max WS	3213.78	16.45	35.93		35.93	0.000001	0.21	15153.67	1083.84	0.01
Hempstead Lake	10126.8*	Max WS	3213.73	16.42	35.93		35.93	0.000001	0.21	15209.78	1081.47	0.01
Hempstead Lake	10106.7*	Max WS	3213.69	16.40	35.93		35.93	0.000001	0.21	15261.82	1079.39	0.01
Hempstead Lake	10086.6*	Max WS	3213.66	16.37	35.93		35.93	0.000001	0.21	15318.89	1099.98	0.01
Hempstead Lake	10066.5*	Max WS	3213.63	16.34	35.93		35.93	0.000001	0.21	15385.16	1159.93	0.01
Hempstead Lake	10046.4*	Max WS	3213.61	16.32	35.93		35.93	0.000001	0.21	15456.08	1170.50	0.01
Hempstead Lake	10026.2*	Max WS	3213.59	16.29	35.93		35.93	0.000001	0.21	15531.30	1181.64	0.01
Hempstead Lake	10006.1*	Max WS	3213.58	16.27	35.93		35.93	0.000001	0.21	15608.70	1193.10	0.01
Hempstead Lake	9986.073	Max WS	3213.58	16.24	35.93		35.93	0.000000	0.21	15690.43	1204.61	0.01
Hempstead Lake	9965.77*	Max WS	3143.23	16.21	35.93		35.93	0.000000	0.20	15678.85	1202.70	0.01
Hempstead Lake	9945.47*	Max WS	3142.71	16.19	35.93		35.93	0.000000	0.20	15664.10	1199.59	0.01
Hempstead Lake	9925.18*	Max WS	3142.19	16.16	35.93		35.93	0.000000	0.20	15649.72	1196.14	0.01
Hempstead Lake	9904.88*	Max WS	3141.68	16.13	35.93		35.93	0.000000	0.20	15634.96	1191.20	0.01
Hempstead Lake	9884.59*	Max WS	3141.18	16.11	35.93		35.93	0.000000	0.20	15617.41	1185.73	0.01
Hempstead Lake	9864.29*	Max WS	3140.70	16.08	35.93		35.93	0.000000	0.20	15601.73	1181.52	0.01
Hempstead Lake	9843.99*	Max WS	3140.23	16.05	35.93		35.93	0.000000	0.20	15584.88	1158.71	0.01
Hempstead Lake	9823.7*	Max WS	3139.78	16.03	35.93		35.93	0.000000	0.20	15571.73	1109.13	0.01
Hempstead Lake	9803.40*	Max WS	3139.35	16.00	35.93		35.93	0.000000	0.20	15559.91	1095.03	0.01
Hempstead Lake	9783.10*	Max WS	3138.95	15.97	35.93		35.93	0.000000	0.20	15549.12	1078.99	0.01
Hempstead Lake	9762.81*	Max WS	3138.55	15.95	35.93		35.93	0.000000	0.20	15538.69	1061.09	0.01
Hempstead Lake	9742.51*	Max WS	3138.17	15.92	35.93		35.93	0.000000	0.20	15530.27	1048.20	0.01
Hempstead Lake	9722.21*	Max WS	3137.79	15.89	35.93		35.93	0.000000	0.20	15521.28	1045.96	0.01
Hempstead Lake	9701.92*	Max WS	3137.42	15.87	35.93		35.93	0.000000	0.20	15510.73	1043.85	0.01
Hempstead Lake	9681.62*	Max WS	3137.06	15.84	35.93		35.93	0.000000	0.20	15499.41	1041.37	0.01
Hempstead Lake	9661.32*	Max WS	3136.72	15.81	35.93		35.93	0.000000	0.20	15489.13	1038.94	0.01
Hempstead Lake	9641.03*	Max WS	3136.37	15.79	35.92		35.93	0.000000	0.20	15476.21	1036.27	0.01
Hempstead Lake	9620.73*	Max WS	3136.04	15.76	35.92		35.93	0.000000	0.20	15463.59	1033.49	0.01
Hempstead Lake	9600.43*	Max WS	3135.72	15.73	35.92		35.92	0.000000	0.20	15449.08	1030.70	0.01
Hempstead Lake	9580.14*	Max WS	3135.40	15.71	35.92		35.92	0.000000	0.20	15434.16	1027.94	0.01
Hempstead Lake	9559.84*	Max WS	3135.10	15.68	35.92		35.92	0.000000	0.20	15418.81	1025.05	0.01
Hempstead Lake	9539.54*	Max WS	3134.80	15.66	35.92		35.92	0.000000	0.21	15401.77	1022.06	0.01
Hempstead Lake	9519.25*	Max WS	3134.51	15.63	35.92		35.92	0.000000	0.21	15383.74	1020.28	0.01
Hempstead Lake	9498.95*	Max WS	3134.23	15.60	35.92		35.92	0.000000	0.21	15367.50	1020.12	0.01
Hempstead Lake	9478.65*	Max WS	3133.96	15.58	35.92		35.92	0.000000	0.21	15348.17	1018.45	0.01
Hempstead Lake	9458.36*	Max WS	3133.70	15.55	35.92		35.92	0.000000	0.21	15329.46	1015.02	0.01
Hempstead Lake	9438.06*	Max WS	3133.45	15.52	35.92		35.92	0.000000	0.21	15308.03	1011.55	0.01
Hempstead Lake	9417.76*	Max WS	3133.21	15.50	35.92		35.92	0.000000	0.21	15287.45	1008.92	0.01
Hempstead Lake	9397.47*	Max WS	3132.97	15.47	35.92		35.92	0.000000	0.21	15265.04	1006.97	0.01
Hempstead Lake	9377.17*	Max WS	3132.74	15.44	35.92		35.92	0.000000	0.21	15243.89	1005.11	0.01
Hempstead Lake	9356.87*	Max WS	3132.52	15.42	35.92		35.92	0.000000	0.21	15218.06	1002.94	0.01
Hempstead Lake	9336.58*	Max WS	3132.30	15.39	35.92		35.92	0.000000	0.21	15195.05	1000.79	0.01
Hempstead Lake	9316.28*	Max WS	3132.10	15.36	35.92		35.92	0.000000	0.21	15170.52	998.39	0.01
Hempstead Lake	9295.98*	Max WS	3131.91	15.34	35.92		35.92	0.000000	0.21	15144.09	996.20	0.01
Hempstead Lake	9275.69*	Max WS	3131.72	15.31	35.92		35.92	0.000000	0.21	15117.66	993.99	0.01
Hempstead Lake	9255.39*	Max WS	3131.54	15.28	35.92		35.92	0.000000	0.21	15090.70	991.84	0.01
Hempstead Lake	9235.09*	Max WS	3131.38	15.26	35.92		35.92	0.000000	0.21	15061.09	989.53	0.01
Hempstead Lake	9214.80*	Max WS	3131.21	15.23	35.92		35.92	0.000000	0.21	15034.08	987.37	0.01
Hempstead Lake	9194.50*	Max WS	3131.06	15.20	35.92		35.92	0.000000	0.21	15003.02	984.88	0.01
Hempstead Lake	9174.20*	Max WS	3130.92	15.18	35.92		35.92	0.000000	0.22	14971.72	982.73	0.01
Hempstead Lake	9153.910	Max WS	3130.79	15.15	35.92		35.92	0.000000	0.22	14941.51	980.39	0.01
Hempstead Lake	9133.22*	Max WS	3233.61	15.12	35.92		35.92	0.000000	0.22	14990.05	987.14	0.01
Hempstead Lake	9112.54*	Max WS	3233.50	15.10	35.92		35.92	0.000000	0.22	15034.21	993.94	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	3233.39	15.07	35.92		35.92	0.000000	0.22	15081.27	1000.91	0.01
Hempstead Lake	9071.17*	Max WS	3233.29	15.05	35.91		35.92	0.000000	0.22	15125.16	1007.92	0.01
Hempstead Lake	9050.49*	Max WS	3233.18	15.02	35.91		35.92	0.000000	0.22	15168.36	1014.93	0.01
Hempstead Lake	9029.80*	Max WS	3233.09	15.00	35.91		35.91	0.000000	0.22	15209.78	1022.15	0.01
Hempstead Lake	9009.12*	Max WS	3233.01	14.97	35.91		35.91	0.000000	0.22	15251.27	1029.66	0.01
Hempstead Lake	8988.44*	Max WS	3232.94	14.95	35.91		35.91	0.000000	0.22	15291.12	1037.20	0.01
Hempstead Lake	8967.75*	Max WS	3232.87	14.92	35.91		35.91	0.000000	0.22	15330.03	1044.97	0.01
Hempstead Lake	8947.07*	Max WS	3232.81	14.90	35.91		35.91	0.000000	0.22	15367.49	1052.87	0.01
Hempstead Lake	8926.39*	Max WS	3232.76	14.87	35.91		35.91	0.000000	0.22	15404.31	1060.89	0.01
Hempstead Lake	8905.70*	Max WS	3232.71	14.85	35.91		35.91	0.000000	0.21	15440.66	1069.04	0.01
Hempstead Lake	8885.02*	Max WS	3232.67	14.82	35.91		35.91	0.000000	0.21	15475.39	1077.49	0.01
Hempstead Lake	8864.33*	Max WS	3232.64	14.80	35.91		35.91	0.000000	0.21	15508.24	1086.06	0.01
Hempstead Lake	8843.65*	Max WS	3232.62	14.77	35.91		35.91	0.000000	0.21	15541.91	1094.99	0.01
Hempstead Lake	8822.97*	Max WS	3232.61	14.75	35.91		35.91	0.000000	0.21	15573.01	1104.22	0.01
Hempstead Lake	8802.28*	Max WS	3232.60	14.72	35.91		35.91	0.000000	0.21	15603.60	1113.58	0.01
Hempstead Lake	8781.60*	Max WS	3142.32	14.70	35.91		35.91	0.000000	0.21	15633.96	1124.01	0.01
Hempstead Lake	8760.92*	Max WS	3142.10	14.67	35.91		35.91	0.000000	0.21	15663.32	1134.49	0.01
Hempstead Lake	8740.23*	Max WS	3141.90	14.65	35.91		35.91	0.000000	0.20	15692.46	1145.42	0.01
Hempstead Lake	8719.55*	Max WS	3141.71	14.62	35.91		35.91	0.000000	0.20	15719.08	1165.57	0.01
Hempstead Lake	8698.86*	Max WS	3141.52	14.60	35.91		35.91	0.000000	0.20	15750.07	1197.63	0.01
Hempstead Lake	8678.18*	Max WS	3141.34	14.57	35.91		35.91	0.000000	0.20	15781.62	1238.46	0.01
Hempstead Lake	8657.50*	Max WS	3141.17	14.55	35.91		35.91	0.000000	0.20	15816.33	1302.17	0.01
Hempstead Lake	8636.81*	Max WS	3141.02	14.52	35.91		35.91	0.000000	0.20	15858.58	1347.51	0.01
Hempstead Lake	8616.13*	Max WS	3140.87	14.50	35.91		35.91	0.000000	0.20	15901.85	1383.91	0.01
Hempstead Lake	8595.45*	Max WS	3140.74	14.47	35.91		35.91	0.000000	0.20	15951.62	1435.67	0.01
Hempstead Lake	8574.76*	Max WS	3140.63	14.45	35.91		35.91	0.000000	0.20	16001.96	1482.76	0.01
Hempstead Lake	8554.08*	Max WS	3140.53	14.42	35.91		35.91	0.000000	0.20	16056.38	1513.32	0.01
Hempstead Lake	8533.39*	Max WS	3140.45	14.40	35.91		35.91	0.000000	0.20	16112.40	1531.64	0.01
Hempstead Lake	8512.71*	Max WS	3140.38	14.37	35.90		35.91	0.000000	0.20	16167.41	1554.99	0.01
Hempstead Lake	8492.03*	Max WS	3140.32	14.35	35.90		35.90	0.000000	0.20	16225.33	1578.58	0.01
Hempstead Lake	8471.34*	Max WS	3140.28	14.32	35.90		35.90	0.000000	0.20	16283.35	1601.31	0.01
Hempstead Lake	8450.66*	Max WS	3047.15	14.30	35.90		35.90	0.000000	0.19	16341.80	1622.54	0.01
Hempstead Lake	8429.980	Max WS	3046.95	14.27	35.90		35.90	0.000000	0.19	16399.78	1643.35	0.01
Hempstead Lake	8416.34*	Max WS	3046.84	14.25	35.90		35.90	0.000000	0.19	16488.79	1651.65	0.01
Hempstead Lake	8402.71*	Max WS	3046.73	14.23	35.90		35.90	0.000000	0.19	16579.11	1660.80	0.01
Hempstead Lake	8389.07*	Max WS	3046.64	14.21	35.90		35.90	0.000000	0.19	16668.64	1670.45	0.01
Hempstead Lake	8375.44*	Max WS	3046.55	14.19	35.90		35.90	0.000000	0.19	16762.34	1679.81	0.01
Hempstead Lake	8361.81*	Max WS	3046.48	14.16	35.90		35.90	0.000000	0.19	16852.94	1690.79	0.01
Hempstead Lake	8348.17*	Max WS	3046.42	14.14	35.90		35.90	0.000000	0.19	16946.14	1702.69	0.01
Hempstead Lake	8334.54*	Max WS	3046.37	14.12	35.90		35.90	0.000000	0.19	17037.62	1713.77	0.01
Hempstead Lake	8320.91*	Max WS	3046.33	14.10	35.90		35.90	0.000000	0.18	17131.19	1726.70	0.01
Hempstead Lake	8307.27*	Max WS	3046.29	14.08	35.90		35.90	0.000000	0.18	17224.19	1738.80	0.01
Hempstead Lake	8293.64*	Max WS	3046.28	14.06	35.90		35.90	0.000000	0.18	17321.15	1751.36	0.01
Hempstead Lake	8280.00*	Max WS	3046.27	14.04	35.90		35.90	0.000000	0.18	17415.53	1762.18	0.01
Hempstead Lake	8266.37*	Max WS	2952.87	14.02	35.90		35.90	0.000000	0.18	17508.72	1771.47	0.01
Hempstead Lake	8252.74*	Max WS	2952.79	13.99	35.90		35.90	0.000000	0.17	17604.38	1781.54	0.01
Hempstead Lake	8239.10*	Max WS	2952.73	13.97	35.90		35.90	0.000000	0.17	17699.73	1792.18	0.01
Hempstead Lake	8225.47*	Max WS	2952.68	13.95	35.90		35.90	0.000000	0.17	17798.76	1804.63	0.01
Hempstead Lake	8211.84*	Max WS	2952.64	13.93	35.90		35.90	0.000000	0.17	17895.94	1818.79	0.01
Hempstead Lake	8198.20*	Max WS	2952.61	13.91	35.90		35.90	0.000000	0.17	17995.71	1832.32	0.01
Hempstead Lake	8184.57*	Max WS	2952.60	13.89	35.90		35.90	0.000000	0.17	18094.13	1846.93	0.01
Hempstead Lake	8170.93*	Max WS	2860.43	13.87	35.90		35.90	0.000000	0.16	18193.99	1860.71	0.01
Hempstead Lake	8157.30*	Max WS	2860.38	13.85	35.90		35.90	0.000000	0.16	18293.19	1874.62	0.01
Hempstead Lake	8143.67*	Max WS	2860.33	13.82	35.90		35.90	0.000000	0.16	18397.18	1888.32	0.01
Hempstead Lake	8130.03*	Max WS	2860.31	13.80	35.90		35.90	0.000000	0.16	18499.56	1821.53	0.01
Hempstead Lake	8116.40*	Max WS	2770.28	13.78	35.90		35.90	0.000000	0.15	18609.11	1820.40	0.01
Hempstead Lake	8102.76*	Max WS	2770.22	13.76	35.90		35.90	0.000000	0.15	18717.32	1825.07	0.01
Hempstead Lake	8089.13*	Max WS	2770.18	13.74	35.90		35.90	0.000000	0.15	18826.78	1830.35	0.01
Hempstead Lake	8075.50*	Max WS	2770.16	13.72	35.90		35.90	0.000000	0.15	18940.61	1844.77	0.01
Hempstead Lake	8061.86*	Max WS	2682.86	13.70	35.90		35.90	0.000000	0.15	19055.40	1860.43	0.01
Hempstead Lake	8048.23*	Max WS	2682.82	13.68	35.90		35.90	0.000000	0.14	19172.02	1865.83	0.01
Hempstead Lake	8034.6*	Max WS	2682.80	13.65	35.90		35.90	0.000000	0.14	19290.68	1872.90	0.01
Hempstead Lake	8020.96*	Max WS	2598.86	13.63	35.90		35.90	0.000000	0.14	19412.96	1882.92	0.01
Hempstead Lake	8007.33*	Max WS	2598.81	13.61	35.90		35.90	0.000000	0.14	19533.85	1904.84	0.01
Hempstead Lake	7993.69*	Max WS	2598.79	13.59	35.90		35.90	0.000000	0.14	19659.28	1929.83	0.01
Hempstead Lake	7980.06*	Max WS	2518.71	13.57	35.90		35.90	0.000000	0.13	19784.87	1974.00	0.01
Hempstead Lake	7966.43*	Max WS	2518.67	13.55	35.90		35.90	0.000000	0.13	19917.14	2013.64	0.01
Hempstead Lake	7952.79*	Max WS	2518.65	13.53	35.90		35.90	0.000000	0.13	20051.78	2071.68	0.01
Hempstead Lake	7939.16*	Max WS	2442.93	13.51	35.90		35.90	0.000000	0.13	20190.57	2126.49	0.01
Hempstead Lake	7925.53*	Max WS	2442.88	13.48	35.90		35.90	0.000000	0.13	20334.75	2173.26	0.01
Hempstead Lake	7911.89*	Max WS	2371.97	13.46	35.90		35.90	0.000000	0.12	20481.12	2223.04	0.01
Hempstead Lake	7898.26*	Max WS	2371.91	13.44	35.90		35.90	0.000000	0.12	20633.29	2268.38	0.01
Hempstead Lake	7884.62*	Max WS	2371.89	13.42	35.90		35.90	0.000000	0.12	20786.10	2310.88	0.00
Hempstead Lake	7870.99*	Max WS	2306.14	13.40	35.90		35.90	0.000000	0.12	20943.87	2358.62	0.00
Hempstead Lake	7857.36*	Max WS	2246.02	13.38	35.90		35.90	0.000000	0.11	21124.52	2900.73	0.00
Hempstead Lake	7843.72*	Max WS	2245.94	13.36	35.89		35.90	0.000000	0.11	21325.90	2904.98	0.00
Hempstead Lake	7830.09*	Max WS	2191.75	13.34	35.89		35.90	0.000000	0.11	21529.89	2910.41	0.00
Hempstead Lake	7816.45*	Max WS	2191.68	13.31	35.89		35.89	0.000000	0.11	21737.21	2915.89	0.00
Hempstead Lake	7802.82*	Max WS	2143.90	13.29	35.89		35.89	0.000000	0.10	21937.72	2922.20	0.00
Hempstead Lake	7789.19*	Max WS	2102.97	13.27	35.89		35.89	0.000000	0.10	22146.84	2928.82	0.00
Hempstead Lake	7775.55*	Max WS	2069.32	13.25	35.89		35.89	0.000000	0.10	22350.50	2935.97	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	2069.30	13.23	35.89		35.89	0.000000	0.10	22559.38	2943.42	0.00
Hempstead Lake	7748.29*	Max WS	2025.22	13.21	35.89		35.89	0.000000	0.10	22767.55	2950.98	0.00
Hempstead Lake	7734.65*	Max WS	2020.75	13.19	35.89		35.89	0.000000	0.10	22977.90	2959.73	0.00
Hempstead Lake	7721.02*	Max WS	2131.42	13.17	35.89		35.89	0.000000	0.10	23192.98	2968.22	0.00
Hempstead Lake	7707.38*	Max WS	2233.55	13.14	35.89		35.89	0.000000	0.10	23401.05	2977.19	0.00
Hempstead Lake	7693.75*	Max WS	2295.21	13.12	35.89		35.89	0.000000	0.11	23616.29	2986.31	0.00
Hempstead Lake	7680.12*	Max WS	2363.35	13.10	35.89		35.90	0.000000	0.11	23827.75	2996.28	0.00
Hempstead Lake	7666.48*	Max WS	2437.55	13.08	35.89		35.90	0.000000	0.11	24047.87	3006.35	0.00
Hempstead Lake	7652.85*	Max WS	2437.51	13.06	35.90		35.90	0.000000	0.11	24259.52	3016.28	0.00
Hempstead Lake	7639.22*	Max WS	2517.38	13.04	35.90		35.90	0.000000	0.11	24480.01	3028.35	0.00
Hempstead Lake	7625.58*	Max WS	2517.29	13.02	35.90		35.90	0.000000	0.11	24701.13	3040.35	0.00
Hempstead Lake	7611.95*	Max WS	2517.24	13.00	35.90		35.90	0.000000	0.11	24916.95	3053.31	0.00
Hempstead Lake	7598.31*	Max WS	2602.22	12.97	35.90		35.90	0.000000	0.12	25139.02	3066.16	0.00
Hempstead Lake	7584.68*	Max WS	2602.11	12.95	35.90		35.90	0.000000	0.12	25360.44	3117.07	0.00
Hempstead Lake	7571.05*	Max WS	2602.03	12.93	35.90		35.90	0.000000	0.11	25588.40	3142.65	0.00
Hempstead Lake	7557.41*	Max WS	2601.99	12.91	35.90		35.90	0.000000	0.11	25812.56	3156.17	0.00
Hempstead Lake	7543.783	Max WS	2601.97	12.89	35.90		35.90	0.000000	0.11	26041.75	3170.41	0.00
Hempstead Lake	7530.03*	Max WS	2714.47	12.85	35.90		35.90	0.000000	0.12	26196.77	3185.72	0.00
Hempstead Lake	7516.28*	Max WS	2714.37	12.82	35.90		35.90	0.000000	0.12	26352.65	3203.77	0.00
Hempstead Lake	7502.53*	Max WS	2714.29	12.78	35.90		35.90	0.000000	0.12	26509.69	3220.96	0.00
Hempstead Lake	7488.79*	Max WS	2714.23	12.74	35.90		35.90	0.000000	0.12	26669.06	3239.08	0.00
Hempstead Lake	7475.04*	Max WS	2714.20	12.71	35.90		35.90	0.000000	0.12	26827.30	3265.49	0.00
Hempstead Lake	7461.29*	Max WS	2807.23	12.67	35.90		35.90	0.000000	0.12	26987.53	3300.73	0.00
Hempstead Lake	7447.54*	Max WS	2807.08	12.63	35.90		35.90	0.000000	0.12	27152.74	3320.84	0.00
Hempstead Lake	7433.79*	Max WS	2806.96	12.60	35.90		35.90	0.000000	0.12	27313.26	3327.74	0.00
Hempstead Lake	7420.04*	Max WS	2806.86	12.56	35.90		35.90	0.000000	0.12	27475.45	3334.80	0.00
Hempstead Lake	7406.3*	Max WS	2806.78	12.52	35.90		35.90	0.000000	0.12	27641.50	3342.13	0.00
Hempstead Lake	7392.55*	Max WS	2806.73	12.49	35.90		35.90	0.000000	0.12	27806.36	3349.46	0.00
Hempstead Lake	7378.80*	Max WS	2806.70	12.45	35.90		35.90	0.000000	0.12	27968.89	3358.04	0.00
Hempstead Lake	7365.05*	Max WS	2902.20	12.41	35.90		35.90	0.000000	0.12	28135.40	3365.74	0.00
Hempstead Lake	7351.30*	Max WS	2902.01	12.38	35.90		35.90	0.000000	0.12	28300.73	3374.09	0.00
Hempstead Lake	7337.55*	Max WS	2901.84	12.34	35.90		35.90	0.000000	0.12	28465.14	3383.35	0.00
Hempstead Lake	7323.81*	Max WS	2901.70	12.30	35.90		35.90	0.000000	0.12	28632.03	3393.61	0.00
Hempstead Lake	7310.06*	Max WS	2901.57	12.26	35.90		35.90	0.000000	0.12	28800.21	3406.49	0.00
Hempstead Lake	7296.31*	Max WS	2901.45	12.23	35.90		35.90	0.000000	0.12	28969.24	3418.65	0.00
Hempstead Lake	7282.56*	Max WS	2901.35	12.19	35.90		35.90	0.000000	0.12	29137.38	3431.15	0.00
Hempstead Lake	7268.81*	Max WS	2901.27	12.15	35.90		35.90	0.000000	0.12	29308.10	3445.17	0.00
Hempstead Lake	7255.06*	Max WS	2901.20	12.12	35.90		35.90	0.000000	0.12	29477.24	3458.92	0.00
Hempstead Lake	7241.32*	Max WS	2901.15	12.08	35.90		35.90	0.000000	0.12	29649.40	3473.67	0.00
Hempstead Lake	7227.57*	Max WS	2997.54	12.04	35.90		35.90	0.000000	0.12	29824.11	3489.23	0.00
Hempstead Lake	7213.82*	Max WS	2901.11	12.01	35.90		35.90	0.000000	0.12	29995.76	3505.53	0.00
Hempstead Lake	7200.07*	Max WS	2997.05	11.97	35.90		35.90	0.000000	0.12	30167.76	3520.71	0.00
Hempstead Lake	7186.32*	Max WS	2996.80	11.93	35.90		35.90	0.000000	0.12	30346.24	3538.55	0.00
Hempstead Lake	7172.57*	Max WS	2995.53	11.90	35.90		35.90	0.000000	0.12	30523.15	3557.53	0.00
Hempstead Lake	7158.83*	Max WS	2993.48	11.86	35.90		35.90	0.000000	0.12	30700.10	3576.09	0.00
Hempstead Lake	7145.08*	Max WS	2991.84	11.82	35.90		35.90	0.000000	0.12	30881.61	3602.60	0.00
Hempstead Lake	7131.33*	Max WS	2990.52	11.79	35.90		35.90	0.000000	0.12	31064.82	3630.23	0.00
Hempstead Lake	7117.58*	Max WS	2989.46	11.75	35.90		35.90	0.000000	0.12	31252.05	3659.31	0.00
Hempstead Lake	7103.83*	Max WS	2988.55	11.71	35.90		35.90	0.000000	0.12	31438.70	3686.52	0.00
Hempstead Lake	7090.08*	Max WS	2988.08	11.68	35.90		35.90	0.000000	0.12	31625.62	3714.69	0.00
Hempstead Lake	7076.34*	Max WS	2987.68	11.64	35.90		35.90	0.000000	0.12	31820.28	3747.34	0.00
Hempstead Lake	7062.59*	Max WS	2987.09	11.60	35.90		35.90	0.000000	0.12	32011.67	3761.47	0.00
Hempstead Lake	7048.84*	Max WS	2986.59	11.57	35.90		35.90	0.000000	0.11	39771.98	5586.38	0.00
Hempstead Lake	7035.09*	Max WS	2986.22	11.53	35.90		35.90	0.000000	0.11	39985.71	5595.72	0.00
Hempstead Lake	7021.34*	Max WS	2986.00	11.49	35.90		35.90	0.000000	0.11	40194.55	5605.44	0.00
Hempstead Lake	7007.6*	Max WS	3050.68	11.46	35.90		35.90	0.000000	0.11	40407.95	5614.76	0.00
Hempstead Lake	6993.85*	Max WS	3047.36	11.42	35.90		35.90	0.000000	0.11	40619.39	5624.47	0.00
Hempstead Lake	6980.10*	Max WS	3045.42	11.38	35.90		35.90	0.000000	0.11	40836.87	5613.25	0.00
Hempstead Lake	6966.35*	Max WS	3044.90	11.35	35.90		35.90	0.000000	0.11	41057.21	5580.91	0.00
Hempstead Lake	6952.60*	Max WS	3044.39	11.31	35.90		35.90	0.000000	0.11	41290.34	5545.18	0.00
Hempstead Lake	6938.85*	Max WS	3043.89	11.27	35.90		35.90	0.000000	0.11	41528.86	5539.64	0.00
Hempstead Lake	6925.11*	Max WS	3041.99	11.23	35.90		35.90	0.000000	0.11	41771.33	5535.03	0.00
Hempstead Lake	6911.36*	Max WS	3038.72	11.20	35.90		35.90	0.000000	0.11	42020.40	5531.64	0.00
Hempstead Lake	6897.61*	Max WS	3035.60	11.16	35.90		35.90	0.000000	0.11	42268.46	5528.47	0.00
Hempstead Lake	6883.86*	Max WS	3033.88	11.12	35.90		35.90	0.000000	0.10	42522.20	5526.59	0.00
Hempstead Lake	6870.11*	Max WS	3033.42	11.09	35.90		35.90	0.000000	0.10	42778.07	5524.34	0.00
Hempstead Lake	6856.36*	Max WS	3032.95	11.05	35.90		35.90	0.000000	0.10	43037.40	5522.49	0.00
Hempstead Lake	6842.62*	Max WS	3032.48	11.01	35.90		35.90	0.000000	0.10	43297.09	5521.05	0.00
Hempstead Lake	6828.87*	Max WS	3032.02	10.98	35.90		35.90	0.000000	0.10	43562.95	5518.79	0.00
Hempstead Lake	6815.12*	Max WS	3031.55	10.94	35.90		35.90	0.000000	0.10	43831.83	5510.74	0.00
Hempstead Lake	6801.37*	Max WS	3031.07	10.90	35.90		35.90	0.000000	0.10	44105.04	5508.81	0.00
Hempstead Lake	6787.62*	Max WS	3030.61	10.87	35.90		35.90	0.000000	0.10	44379.75	5507.39	0.00
Hempstead Lake	6773.87*	Max WS	3030.14	10.83	35.90		35.90	0.000000	0.10	44657.97	5506.38	0.00
Hempstead Lake	6760.13*	Max WS	3029.68	10.79	35.90		35.90	0.000000	0.10	44941.43	5505.74	0.00
Hempstead Lake	6746.38*	Max WS	3027.94	10.76	35.90		35.90	0.000000	0.10	45222.78	5505.41	0.00
Hempstead Lake	6732.634	Max WS	3025.00	10.72	35.90		35.90	0.000000	0.10	45509.75	5498.49	0.00
Hempstead Lake	6718.98*	Max WS	3022.12	10.73	35.90		35.90	0.000000	0.10	45401.11	5473.01	0.00
Hempstead Lake	6705.33*	Max WS	3019.19	10.74	35.90		35.90	0.000000	0.10	45296.67	5447.20	0.00
Hempstead Lake	6691.68*	Max WS	3016.30	10.75	35.90		35.90	0.000000	0.10	45186.33	5419.00	0.00
Hempstead Lake	6678.03*	Max WS	3013.41	10.76	35.90		35.90	0.000000	0.10	45079.13	5387.20	0.00
Hempstead Lake	6664.38*	Max WS	3010.46	10.77	35.90		35.90	0.000000	0.10	44971.94	5354.93	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	3007.50	10.78	35.90		35.90	0.000000	0.10	44864.68	5318.83	0.00
Hempstead Lake	6637.07*	Max WS	3004.52	10.79	35.90		35.90	0.000000	0.10	44759.84	5280.09	0.00
Hempstead Lake	6623.42*	Max WS	3001.49	10.80	35.90		35.90	0.000000	0.10	44652.55	5243.89	0.00
Hempstead Lake	6609.77*	Max WS	2998.56	10.81	35.90		35.90	0.000000	0.10	44546.93	5227.47	0.00
Hempstead Lake	6596.12*	Max WS	2995.70	10.82	35.90		35.90	0.000000	0.10	44437.44	5211.17	0.00
Hempstead Lake	6582.47*	Max WS	2992.72	10.83	35.90		35.90	0.000000	0.10	44328.95	5194.59	0.00
Hempstead Lake	6568.82*	Max WS	2991.04	10.84	35.90		35.90	0.000000	0.10	44218.27	5178.53	0.00
Hempstead Lake	6555.17*	Max WS	2990.75	10.85	35.90		35.90	0.000000	0.10	44107.30	5162.39	0.00
Hempstead Lake	6541.52*	Max WS	2990.46	10.86	35.90		35.90	0.000000	0.12	34780.05	3776.40	0.00
Hempstead Lake	6527.87*	Max WS	2990.17	10.87	35.90		35.90	0.000000	0.12	34630.34	3770.34	0.00
Hempstead Lake	6514.22*	Max WS	2989.88	10.88	35.90		35.90	0.000000	0.12	34483.02	3764.29	0.00
Hempstead Lake	6500.57*	Max WS	2989.59	10.89	35.90		35.90	0.000000	0.12	34336.09	3758.24	0.00
Hempstead Lake	6486.91*	Max WS	2989.31	10.91	35.90		35.90	0.000000	0.12	34188.13	3752.18	0.00
Hempstead Lake	6473.26*	Max WS	2989.02	10.92	35.90		35.90	0.000000	0.12	34040.75	3746.13	0.00
Hempstead Lake	6459.61*	Max WS	2988.73	10.93	35.90		35.90	0.000000	0.12	33896.59	3740.07	0.00
Hempstead Lake	6445.96*	Max WS	2988.44	10.94	35.90		35.90	0.000000	0.12	33749.91	3734.02	0.00
Hempstead Lake	6432.31*	Max WS	2988.16	10.95	35.90		35.90	0.000000	0.12	33604.62	3727.97	0.00
Hempstead Lake	6418.66*	Max WS	2987.87	10.96	35.90		35.90	0.000000	0.12	33458.14	3721.91	0.00
Hempstead Lake	6405.01*	Max WS	2987.58	10.97	35.90		35.90	0.000000	0.12	33314.20	3701.45	0.00
Hempstead Lake	6391.36*	Max WS	2987.29	10.98	35.90		35.90	0.000000	0.12	33172.82	3687.97	0.00
Hempstead Lake	6377.71*	Max WS	2987.00	10.99	35.90		35.90	0.000000	0.12	33029.12	3675.44	0.00
Hempstead Lake	6364.06*	Max WS	2986.72	11.00	35.90		35.90	0.000000	0.12	32888.30	3663.70	0.00
Hempstead Lake	6350.41*	Max WS	2986.43	11.01	35.90		35.90	0.000000	0.12	32747.28	3653.14	0.01
Hempstead Lake	6336.76*	Max WS	2986.15	11.02	35.90		35.90	0.000000	0.12	32608.01	3642.87	0.01
Hempstead Lake	6323.11*	Max WS	2985.87	11.03	35.90		35.90	0.000000	0.12	32467.24	3632.78	0.01
Hempstead Lake	6309.45*	Max WS	2985.57	11.04	35.90		35.90	0.000000	0.12	32327.64	3622.88	0.01
Hempstead Lake	6295.80*	Max WS	2985.28	11.05	35.90		35.90	0.000000	0.13	32188.42	3612.84	0.01
Hempstead Lake	6282.15*	Max WS	2984.99	11.06	35.90		35.90	0.000000	0.13	32050.86	3603.23	0.01
Hempstead Lake	6268.507	Max WS	2984.71	11.07	35.90		35.90	0.000000	0.13	31912.89	3593.93	0.01
Hempstead Lake	6259.72*	Max WS	2984.54	11.10	35.90		35.90	0.000000	0.12	31339.21	3392.60	0.01
Hempstead Lake	6250.93*	Max WS	2984.36	11.14	35.90		35.90	0.000000	0.12	30866.27	3191.68	0.00
Hempstead Lake	6242.14*	Max WS	2984.21	11.17	35.90		35.90	0.000000	0.12	30493.94	2990.50	0.00
Hempstead Lake	6233.35*	Max WS	2983.65	11.21	35.90		35.90	0.000000	0.11	33996.63	3561.52	0.00
Hempstead Lake	6224.57*	Max WS	2982.83	11.24	35.90		35.90	0.000000	0.11	32782.13	3230.91	0.00
Hempstead Lake	6215.78*	Max WS	2982.42	11.27	35.90		35.90	0.000000	0.11	31838.32	2898.58	0.00
Hempstead Lake	6206.99*	Max WS	2982.28	11.31	35.90		35.90	0.000000	0.11	31160.67	2565.71	0.00
Hempstead Lake	6198.21*	Max WS	2982.16	11.34	35.90		35.90	0.000000	0.10	30748.76	2250.89	0.00
Hempstead Lake	6189.42*	Max WS	2982.05	11.38	35.90		35.90	0.000000	0.10	30617.89	1916.58	0.00
Hempstead Lake	6180.638	Max WS	2981.95	11.41	35.90		35.90	0.000000	0.10	30723.54	1541.19	0.00
Hempstead Lake	6177.638	Max WS	2981.92	11.00	35.90	11.58	35.90	0.000000	0.10	31189.09	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	17171.52	10.80	26.94		27.15	0.004758	3.67	4684.21	1092.82	0.31
Hempstead Lake	5930.638	Max WS	17139.20	10.80	26.77		26.95	0.003565	3.37	5156.74	1174.74	0.27
Hempstead Lake	5880.638	Max WS	17135.62	10.80	26.52		26.74	0.004862	3.72	4658.42	1138.17	0.31
Hempstead Lake	5830.638	Max WS	17128.14	10.80	26.22		26.46	0.006015	3.97	4369.45	1113.53	0.34
Hempstead Lake	5780.638	Max WS	17111.12	10.80	25.83		26.11	0.008079	4.34	4015.90	1129.22	0.39
Hempstead Lake	5730.638	Max WS	17091.37	10.80	25.45		25.72	0.007840	4.13	4122.72	1194.06	0.38
Hempstead Lake	5680.638	Max WS	17070.68	10.80	25.14		25.39	0.006031	3.65	4475.20	1257.98	0.34
Hempstead Lake	5630.638	Max WS	17068.75	10.80	24.86		25.11	0.005332	3.45	4608.85	1274.26	0.32
Hempstead Lake	5580.638	Max WS	17051.62	10.80	24.63		24.85	0.004873	3.39	4824.50	1261.25	0.31
Hempstead Lake	5530.638	Max WS	17049.77	10.80	24.38		24.59	0.005243	3.51	4751.86	1253.87	0.32
Hempstead Lake	5480.638	Max WS	17037.02	10.80	24.05		24.29	0.006679	3.84	4411.20	1250.04	0.36
Hempstead Lake	5430.638	Max WS	17023.86	8.00	23.52		23.85	0.011024	4.44	3809.71	1245.34	0.44
Hempstead Lake	5380.638	Max WS	17008.63	8.00	23.05		23.48	0.003793	5.52	3457.87	1197.36	0.56
Hempstead Lake	5330.638	Max WS	16971.90	8.00	22.67		23.03	0.013795	4.82	3538.37	1201.88	0.49
Hempstead Lake	5307.48*	Max WS	16899.16	7.93	22.38		22.73	0.011662	4.91	3592.15	1215.95	0.48
Hempstead Lake	5284.32*	Max WS	16707.41	7.87	22.14		22.48	0.009524	4.78	3688.98	1202.27	0.45
Hempstead Lake	5261.17*	Max WS	16498.38	7.80	21.98		22.28	0.007183	4.49	3882.99	1184.01	0.41
Hempstead Lake	5238.01*	Max WS	16364.62	7.73	21.87		22.13	0.005268	4.16	4153.99	1169.75	0.36
Hempstead Lake	5214.85*	Max WS	16270.70	7.67	21.80		22.02	0.003881	3.85	4468.32	1166.94	0.32
Hempstead Lake	5191.70*	Max WS	16211.08	7.60	21.75		21.94	0.002898	3.56	4805.38	1167.25	0.29
Hempstead Lake	5168.54*	Max WS	16182.14	7.54	21.71		21.88	0.002201	3.31	5156.97	1168.22	0.26
Hempstead Lake	5145.39*	Max WS	16153.86	7.47	21.69		21.83	0.001700	3.09	5513.66	1169.59	0.23
Hempstead Lake	5122.23*	Max WS	16153.71	7.40	21.67		21.79	0.001338	2.90	5873.54	1172.12	0.21
Hempstead Lake	5099.07*	Max WS	16126.31	7.34	21.66		21.77	0.001065	2.73	6233.47	1175.07	0.19
Hempstead Lake	5075.922	Max WS	16126.22	7.27	21.65		21.75	0.000160	2.64	6593.95	1177.45	0.18
Hempstead Lake	5055.96*	Max WS	16126.16	7.23	21.65		21.74	0.000661	2.45	6907.34	1163.84	0.16
Hempstead Lake	5036.01*	Max WS	16126.13	7.20	21.65		21.73	0.000481	2.34	7246.34	1151.77	0.15
Hempstead Lake	5016.05*	Max WS	16126.09	7.16	21.65		21.72	0.000347	2.24	7610.77	1149.91	0.14
Hempstead Lake	4996.10*	Max WS	16126.06	7.12	21.65		21.72	0.000234	2.13	7993.75	1151.43	0.13
Hempstead Lake	4976.14*	Max WS	16151.81	7.09	21.65		21.71	0.000158	2.04	8387.20	1154.06	0.12
Hempstead Lake	4956.192	Max WS	16151.61	7.05	21.65		21.71	0.000071	1.96	8792.19	1157.54	0.11
Hempstead Lake	4936.44*	Max WS	16151.45	7.02	21.66		21.71	0.000100	1.86	9192.63	1151.92	0.10
Hempstead Lake	4916.69*	Max WS	16151.33	6.98	21.66		21.71	0.000122	1.77	9599.41	1145.55	0.10
Hempstead Lake	4896.94*	Max WS	16151.23	6.95	21.66		21.70	0.000147	1.68	10008.63	1139.27	0.09
Hempstead Lake	4877.19*	Max WS	16151.15	6.91	21.66		21.70	0.000163	1.61	10425.25	1132.56	0.08
Hempstead Lake	4857.44*	Max WS	16151.08	6.88	21.66		21.70	0.000180	1.54	10847.98	1125.43	0.08
Hempstead Lake	4837.697	Max WS	16151.02	6.84	21.66		21.70	0.000032	1.50	11279.68	1116.47	0.07
Hempstead Lake	4817.64*	Max WS	16230.26	6.81	21.66		21.69	0.000189	1.47	11316.86	1110.62	0.07
Hempstead Lake	4797.59*	Max WS	16230.20	6.77	21.66		21.69	0.000185	1.46	11353.12	1104.36	0.07
Hempstead Lake	4777.53*	Max WS	16230.11	6.67	21.65		21.69	0.000182	1.45	11392.01	1098.16	0.07

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	16230.01	6.58	21.65		21.68	0.000178	1.44	11431.36	1091.39	0.07
Hempstead Lake	4737.42*	Max WS	16229.90	6.49	21.65		21.68	0.000175	1.44	11472.47	1085.01	0.07
Hempstead Lake	4717.37*	Max WS	16229.77	6.40	21.64		21.68	0.000172	1.43	11514.95	1078.94	0.07
Hempstead Lake	4697.32*	Max WS	16229.63	6.30	21.64		21.67	0.000168	1.42	11561.09	1072.05	0.07
Hempstead Lake	4677.26*	Max WS	16229.48	6.21	21.64		21.67	0.000165	1.41	11608.11	1064.71	0.07
Hempstead Lake	4657.21*	Max WS	16229.32	6.12	21.64		21.67	0.000161	1.40	11657.65	1056.89	0.07
Hempstead Lake	4637.16*	Max WS	16229.15	6.02	21.63		21.66	0.000158	1.40	11709.99	1048.94	0.07
Hempstead Lake	4617.10*	Max WS	16228.96	5.91	21.63		21.66	0.000155	1.39	11764.64	1042.07	0.07
Hempstead Lake	4597.05*	Max WS	16228.77	5.76	21.63		21.66	0.000151	1.38	11819.60	1035.91	0.07
Hempstead Lake	4577.*	Max WS	16206.93	5.60	21.63		21.65	0.000148	1.37	11878.65	1029.94	0.07
Hempstead Lake	4556.94*	Max WS	16206.92	5.45	21.62		21.65	0.000144	1.36	11939.48	1024.84	0.06
Hempstead Lake	4536.893	Max WS	16206.89	5.30	21.62		21.65	0.000024	1.39	12001.49	1019.90	0.07
Hempstead Lake	4516.70*	Max WS	16211.28	5.16	21.62		21.65	0.000138	1.34	12058.98	1017.99	0.06
Hempstead Lake	4496.51*	Max WS	16211.25	5.02	21.62		21.65	0.000135	1.33	12119.55	1015.54	0.06
Hempstead Lake	4476.32*	Max WS	16211.21	4.88	21.62		21.64	0.000132	1.33	12186.79	1013.84	0.06
Hempstead Lake	4456.14*	Max WS	16211.17	4.74	21.61		21.64	0.000129	1.32	12256.09	1012.04	0.06
Hempstead Lake	4435.95*	Max WS	16211.11	4.60	21.61		21.64	0.000126	1.31	12332.57	1010.35	0.06
Hempstead Lake	4415.76*	Max WS	16211.05	4.46	21.61		21.64	0.000123	1.30	12413.46	1009.17	0.06
Hempstead Lake	4395.57*	Max WS	16210.98	4.32	21.61		21.63	0.000119	1.29	12499.78	1007.87	0.06
Hempstead Lake	4375.38*	Max WS	16210.90	4.18	21.61		21.63	0.000116	1.29	12591.35	1007.08	0.06
Hempstead Lake	4355.20*	Max WS	16210.82	4.04	21.60		21.63	0.000113	1.28	12688.46	1007.70	0.06
Hempstead Lake	4335.01*	Max WS	16210.74	3.90	21.60		21.63	0.000109	1.27	12790.86	1008.31	0.06
Hempstead Lake	4314.82*	Max WS	16210.64	3.76	21.60		21.63	0.000106	1.26	12899.02	1009.12	0.06
Hempstead Lake	4294.63*	Max WS	16210.54	3.62	21.60		21.62	0.000103	1.24	13012.69	1009.79	0.06
Hempstead Lake	4274.44*	Max WS	16210.44	3.48	21.60		21.62	0.000099	1.24	13130.88	1010.59	0.06
Hempstead Lake	4254.26*	Max WS	16210.33	3.34	21.60		21.62	0.000096	1.22	13255.11	1011.10	0.05
Hempstead Lake	4234.07*	Max WS	16210.22	3.20	21.59		21.62	0.000092	1.21	13385.06	1011.56	0.05
Hempstead Lake	4213.88*	Max WS	16210.10	3.06	21.59		21.62	0.000089	1.20	13521.09	1012.19	0.05
Hempstead Lake	4193.69*	Max WS	16209.98	2.92	21.59		21.61	0.000086	1.19	13660.84	1012.59	0.05
Hempstead Lake	4173.50*	Max WS	16209.86	2.78	21.59		21.61	0.000083	1.18	13806.63	1012.88	0.05
Hempstead Lake	4153.320	Max WS	16209.73	2.64	21.59		21.61	0.000014	1.21	13957.82	1013.30	0.05
Hempstead Lake	4131.85*	Max WS	16213.65	2.69	21.59		21.61	0.000081	1.18	13877.75	1007.31	0.05
Hempstead Lake	4110.38*	Max WS	16213.51	2.75	21.59		21.61	0.000083	1.18	13801.42	1002.03	0.05
Hempstead Lake	4088.91*	Max WS	16213.36	2.80	21.58		21.61	0.000084	1.19	13732.83	997.09	0.05
Hempstead Lake	4067.44*	Max WS	16213.20	2.86	21.58		21.61	0.000085	1.20	13667.86	992.76	0.05
Hempstead Lake	4045.97*	Max WS	16213.04	2.91	21.58		21.60	0.000086	1.21	13611.16	988.80	0.05
Hempstead Lake	4024.50*	Max WS	16212.87	2.97	21.58		21.60	0.000087	1.21	13557.80	985.08	0.05
Hempstead Lake	4003.034	Max WS	16212.70	3.02	21.58		21.60	0.000015	1.25	13512.42	981.70	0.05
Hempstead Lake	3984.01*	Max WS	16212.53	3.78	21.57		21.60	0.000115	1.33	12468.64	977.46	0.06
Hempstead Lake	3964.99*	Max WS	16196.58	4.54	21.57		21.60	0.000150	1.45	11448.47	975.59	0.07
Hempstead Lake	3945.97*	Max WS	16196.53	5.30	21.56		21.59	0.000202	1.58	10455.67	996.48	0.08
Hempstead Lake	3926.95*	Max WS	16196.45	6.06	21.54		21.59	0.000278	1.75	9495.30	1016.50	0.09
Hempstead Lake	3907.93*	Max WS	16196.30	6.82	21.53		21.58	0.000393	1.94	8583.90	1083.13	0.10
Hempstead Lake	3888.916	Max WS	16181.40	7.58	21.50		21.58	0.000098	2.25	7699.63	1080.70	0.13
Hempstead Lake	3883.916	Max WS	16185.21	7.20	21.50	14.72	21.58	0.000103	2.28	7586.86	1083.27	0.13
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	16104.20	7.19	21.35		21.45	0.000145	2.56	6874.21	1078.11	0.15
Hempstead Lake	3858.916	Max WS	16104.18	7.17	21.35		21.45	0.000167	2.62	6749.27	1079.55	0.16
Hempstead Lake	3826.579	Max WS	16071.11	6.10	21.29		21.45	0.000307	3.20	5595.46	1083.45	0.21
Hempstead Lake	3821.579	Max WS	16071.10	6.02	21.28		21.45	0.000338	3.29	5461.20	1085.39	0.22
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	16071.10	5.94	21.20		21.36	0.001023	3.30	5595.83	1158.44	0.22
Hempstead Lake	3736.579	Max WS	16054.83	5.88	21.19		21.36	0.000339	3.28	5691.94	1162.53	0.21
Hempstead Lake	3699.46*	Max WS	16070.58	5.83	21.20		21.34	0.000373	3.13	6022.91	1174.95	0.20
Hempstead Lake	3662.35*	Max WS	16070.21	5.78	21.19		21.33	0.000355	2.99	6407.58	1206.75	0.18
Hempstead Lake	3625.24*	Max WS	16069.89	5.74	21.19		21.31	0.000327	2.87	6823.27	1242.28	0.17
Hempstead Lake	3588.13*	Max WS	16069.61	5.69	21.19		21.30	0.000313	2.74	7268.46	1275.46	0.16
Hempstead Lake	3551.028	Max WS	16069.37	5.64	21.19		21.29	0.000233	2.65	7742.27	1298.28	0.15
Hempstead Lake	3531.67*	Max WS	16069.24	5.61	21.18		21.28	0.000354	2.68	7488.55	1302.43	0.15
Hempstead Lake	3512.33*	Max WS	16069.08	5.58	21.17		21.28	0.000366	2.78	7218.46	1300.12	0.16
Hempstead Lake	3492.98*	Max WS	16055.55	5.55	21.15		21.27	0.000375	2.88	6945.33	1285.68	0.17
Hempstead Lake	3473.63*	Max WS	16055.53	5.52	21.14		21.27	0.000380	2.97	6689.91	1241.64	0.17
Hempstead Lake	3454.28*	Max WS	16055.45	5.49	21.12		21.26	0.000386	3.07	6443.50	1230.12	0.18
Hempstead Lake	3434.93*	Max WS	16055.32	5.46	21.11		21.25	0.000378	3.18	6198.68	1217.88	0.19
Hempstead Lake	3415.58*	Max WS	16055.15	5.43	21.09		21.25	0.000378	3.29	5957.46	1206.52	0.19
Hempstead Lake	3396.239	Max WS	16042.72	5.40	21.07		21.24	0.000529	3.36	5727.82	1183.05	0.20
Hempstead Lake	3376.88*	Max WS	16042.69	5.37	21.06		21.23	0.000394	3.41	5700.18	1170.90	0.20
Hempstead Lake	3357.52*	Max WS	16042.63	5.34	21.05		21.23	0.000411	3.43	5681.86	1157.40	0.20
Hempstead Lake	3338.16*	Max WS	16042.55	5.32	21.04		21.22	0.000428	3.45	5662.95	1140.29	0.20
Hempstead Lake	3318.80*	Max WS	16042.46	5.29	21.03		21.21	0.000445	3.47	5648.46	1126.08	0.20
Hempstead Lake	3299.44*	Max WS	16042.36	5.26	21.02		21.20	0.000463	3.49	5632.76	1113.24	0.20
Hempstead Lake	3280.08*	Max WS	16042.23	5.23	21.01		21.19	0.000480	3.51	5620.77	1100.34	0.20
Hempstead Lake	3260.73*	Max WS	16042.09	5.21	21.00		21.18	0.000498	3.53	5606.67	1088.10	0.20
Hempstead Lake	3241.37*	Max WS	16041.93	5.18	20.99		21.17	0.000503	3.55	5593.91	1076.49	0.20
Hempstead Lake	3222.01*	Max WS	16041.76	5.15	20.98		21.17	0.000521	3.57	5583.22	1065.35	0.20
Hempstead Lake	3202.65*	Max WS	16031.25	5.12	20.97		21.16	0.000538	3.59	5571.68	1057.65	0.21
Hempstead Lake	3183.29*	Max WS	16031.22	5.10	20.96		21.15	0.000557	3.61	5559.86	1050.65	0.21
Hempstead Lake	3163.93*	Max WS	16031.17	5.07	20.95		21.14	0.000576	3.63	5546.93	1042.77	0.21
Hempstead Lake	3144.581	Max WS	16031.10	5.04	20.93		21.13	0.000511	3.68	5531.82	1036.09	0.21
Hempstead Lake	3124.73*	Max WS	16031.00	5.01	20.92		21.12	0.000471	3.69	5540.33	1037.66	0.21
Hempstead Lake	3104.89*	Max WS	16030.88	4.98	20.91		21.11	0.000468	3.69	5550.53	1040.40	0.21

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

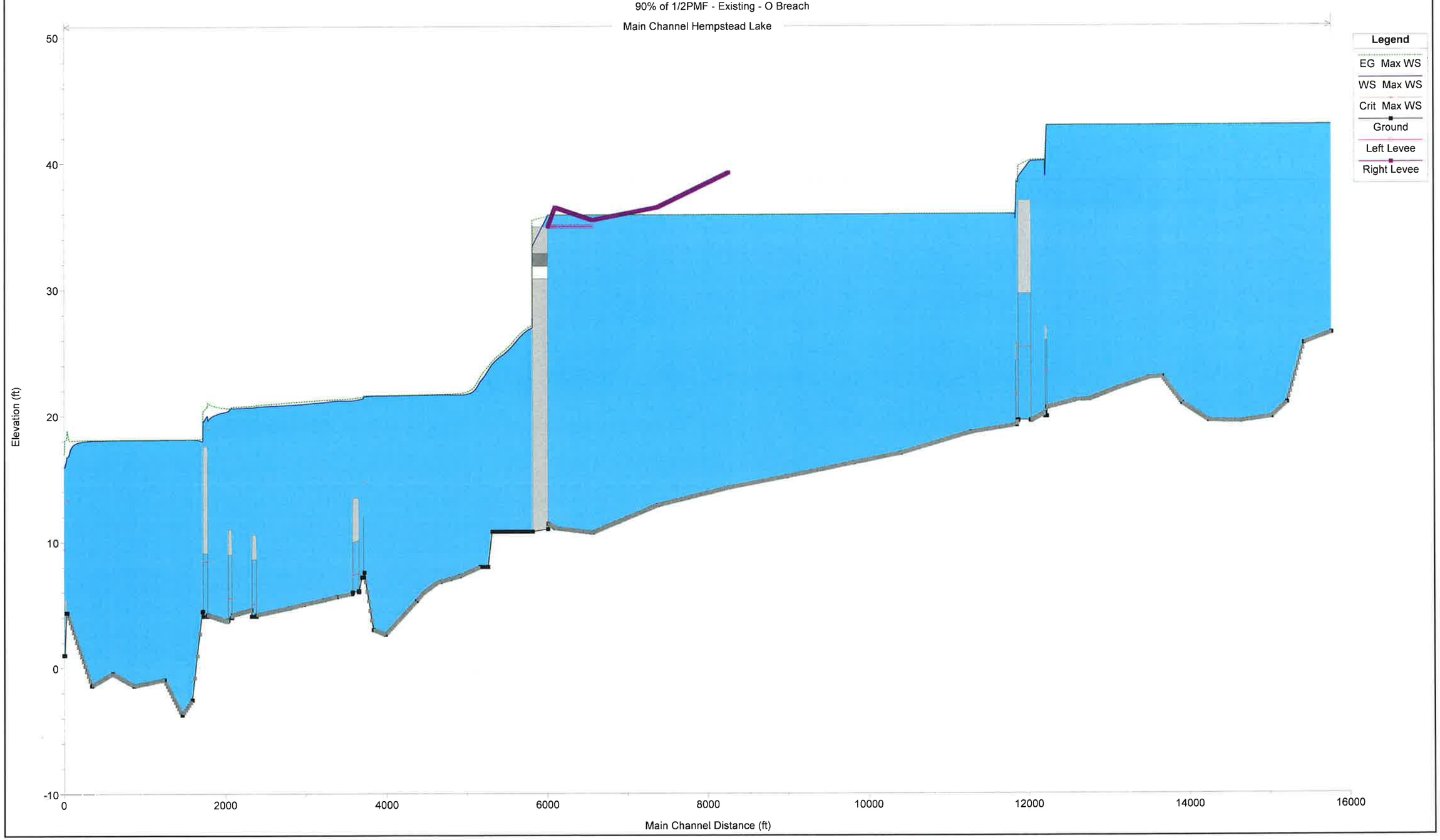
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	16030.76	4.95	20.90		21.10	0.000465	3.69	5561.56	1046.21	0.21
Hempstead Lake	3065.2*	Max WS	16030.63	4.92	20.89		21.09	0.000463	3.69	5570.77	1051.76	0.21
Hempstead Lake	3045.35*	Max WS	16030.47	4.88	20.88		21.08	0.000443	3.69	5584.49	1095.40	0.21
Hempstead Lake	3025.51*	Max WS	16030.30	4.85	20.88		21.07	0.000439	3.68	5608.77	1127.19	0.21
Hempstead Lake	3005.66*	Max WS	16030.12	4.82	20.87		21.06	0.000436	3.68	5641.34	1153.48	0.21
Hempstead Lake	2985.81*	Max WS	16029.92	4.79	20.86		21.05	0.000417	3.68	5677.35	1249.88	0.21
Hempstead Lake	2965.974	Max WS	16029.71	4.76	20.85		21.05	0.000472	3.65	5736.40	1294.80	0.21
Hempstead Lake	2951.87*	Max WS	16029.56	4.74	20.85		21.04	0.000526	3.60	5782.39	1304.17	0.20
Hempstead Lake	2937.77*	Max WS	16029.40	4.72	20.85		21.03	0.000518	3.58	5823.29	1315.16	0.20
Hempstead Lake	2923.67*	Max WS	16029.25	4.70	20.84		21.02	0.000511	3.55	5868.14	1319.92	0.20
Hempstead Lake	2909.57*	Max WS	16029.09	4.68	20.84		21.01	0.000501	3.52	5910.68	1322.73	0.20
Hempstead Lake	2895.47*	Max WS	16028.94	4.66	20.83		21.01	0.000494	3.49	5954.61	1325.48	0.20
Hempstead Lake	2881.37*	Max WS	16028.78	4.64	20.83		21.00	0.000485	3.46	5997.90	1328.79	0.20
Hempstead Lake	2867.27*	Max WS	16028.62	4.62	20.82		20.99	0.000479	3.43	6042.89	1330.47	0.19
Hempstead Lake	2853.17*	Max WS	16028.47	4.61	20.82		20.98	0.000470	3.41	6087.07	1334.82	0.19
Hempstead Lake	2839.07*	Max WS	16028.32	4.59	20.81		20.98	0.000463	3.38	6132.42	1337.96	0.19
Hempstead Lake	2824.98*	Max WS	16028.16	4.57	20.81		20.97	0.000456	3.35	6175.95	1341.43	0.19
Hempstead Lake	2810.88*	Max WS	16028.00	4.55	20.80		20.96	0.000447	3.33	6221.43	1346.75	0.19
Hempstead Lake	2796.78*	Max WS	16027.84	4.53	20.80		20.95	0.000442	3.30	6266.18	1350.85	0.19
Hempstead Lake	2782.68*	Max WS	16027.68	4.51	20.79		20.95	0.000433	3.28	6310.76	1353.18	0.18
Hempstead Lake	2768.58*	Max WS	16027.51	4.49	20.79		20.94	0.000426	3.25	6355.66	1355.50	0.18
Hempstead Lake	2754.48*	Max WS	16027.35	4.47	20.79		20.94	0.000418	3.22	6400.53	1357.63	0.18
Hempstead Lake	2740.38*	Max WS	16021.65	4.45	20.78		20.93	0.000411	3.20	6444.21	1361.78	0.18
Hempstead Lake	2726.28*	Max WS	16027.02	4.43	20.78		20.92	0.000405	3.18	6489.95	1366.17	0.18
Hempstead Lake	2712.18*	Max WS	16026.86	4.41	20.77		20.92	0.000398	3.15	6532.31	1368.23	0.18
Hempstead Lake	2698.08*	Max WS	16026.69	4.39	20.77		20.91	0.000391	3.13	6575.63	1370.38	0.18
Hempstead Lake	2683.98*	Max WS	16026.53	4.37	20.77		20.90	0.000384	3.11	6616.57	1375.90	0.18
Hempstead Lake	2669.88*	Max WS	16026.36	4.35	20.76		20.90	0.000378	3.09	6660.37	1387.92	0.17
Hempstead Lake	2655.78*	Max WS	16021.64	4.34	20.76		20.89	0.000372	3.06	6700.98	1384.32	0.17
Hempstead Lake	2641.68*	Max WS	16021.64	4.32	20.75		20.89	0.000366	3.04	6739.66	1379.32	0.17
Hempstead Lake	2627.58*	Max WS	16021.63	4.30	20.75		20.88	0.000359	3.02	6777.03	1414.40	0.17
Hempstead Lake	2613.48*	Max WS	16021.62	4.28	20.75		20.88	0.000354	3.01	6820.40	1444.94	0.17
Hempstead Lake	2599.38*	Max WS	16021.61	4.26	20.74		20.87	0.000346	2.99	6857.04	1411.48	0.17
Hempstead Lake	2585.29*	Max WS	16021.60	4.24	20.74		20.87	0.000341	2.96	6889.44	1370.04	0.17
Hempstead Lake	2571.19*	Max WS	16021.59	4.22	20.74		20.86	0.000334	2.94	6913.04	1326.49	0.17
Hempstead Lake	2557.091	Max WS	16025.00	4.20	20.74		20.85	0.000739	2.78	6940.18	1282.93	0.16
Hempstead Lake	2552.091	Max WS	16021.57	4.09	20.70		20.85	0.001672	3.27	5846.68	1282.93	0.20
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	16021.57	4.09	20.65		20.79	0.001626	3.18	5941.86	1282.93	0.20
Hempstead Lake	2487.091	Max WS	16021.56	4.60	20.68		20.78	0.000632	2.60	7296.13	1282.93	0.15
Hempstead Lake	2477.12*	Max WS	16021.54	4.58	20.67		20.77	0.000287	2.74	7315.22	1295.08	0.15
Hempstead Lake	2467.14*	Max WS	16021.51	4.57	20.66		20.77	0.000292	2.76	7354.62	1307.22	0.15
Hempstead Lake	2457.17*	Max WS	16021.48	4.55	20.66		20.77	0.000297	2.77	7396.04	1319.37	0.15
Hempstead Lake	2447.20*	Max WS	16021.45	4.53	20.65		20.76	0.000301	2.79	7442.12	1331.51	0.15
Hempstead Lake	2437.23*	Max WS	16021.41	4.51	20.66		20.76	0.000483	2.72	7501.52	1343.66	0.15
Hempstead Lake	2427.26*	Max WS	16021.38	4.50	20.65		20.75	0.000478	2.74	7553.39	1355.81	0.15
Hempstead Lake	2417.29*	Max WS	16021.35	4.48	20.65		20.75	0.000471	2.75	7611.55	1340.78	0.15
Hempstead Lake	2407.32*	Max WS	16021.31	4.46	20.64		20.75	0.000316	2.87	7668.12	1345.62	0.15
Hempstead Lake	2397.35*	Max WS	16021.27	4.44	20.63		20.74	0.000318	2.88	7738.94	1352.06	0.16
Hempstead Lake	2387.37*	Max WS	16021.23	4.43	20.63		20.74	0.000320	2.90	7816.99	1359.21	0.16
Hempstead Lake	2377.40*	Max WS	16021.18	4.41	20.63		20.74	0.000320	2.92	7899.60	1366.56	0.16
Hempstead Lake	2367.43*	Max WS	16021.14	4.39	20.62		20.73	0.000321	2.92	7986.69	1360.79	0.16
Hempstead Lake	2357.46*	Max WS	16021.10	4.37	20.62		20.73	0.000320	2.93	8079.81	1351.90	0.16
Hempstead Lake	2347.49*	Max WS	16021.05	4.36	20.62		20.73	0.000318	2.95	8177.92	1358.28	0.16
Hempstead Lake	2337.52*	Max WS	16021.01	4.34	20.62		20.72	0.000316	2.96	8280.70	1364.68	0.16
Hempstead Lake	2327.55*	Max WS	16020.96	4.32	20.61		20.72	0.000314	2.97	8388.74	1371.26	0.16
Hempstead Lake	2317.58*	Max WS	16020.91	4.30	20.61		20.72	0.000311	2.98	8502.67	1377.99	0.16
Hempstead Lake	2307.60*	Max WS	16020.86	4.29	20.61		20.71	0.000308	2.99	8621.96	1384.78	0.16
Hempstead Lake	2297.63*	Max WS	16020.81	4.27	20.61		20.71	0.000304	3.00	8744.73	1391.64	0.16
Hempstead Lake	2287.66*	Max WS	16020.76	4.25	20.61		20.71	0.000299	3.01	8871.24	1398.58	0.16
Hempstead Lake	2277.69*	Max WS	16020.71	4.23	20.60		20.70	0.000294	3.02	9004.42	1405.56	0.16
Hempstead Lake	2267.72*	Max WS	16020.66	4.22	20.60		20.70	0.000288	3.04	9142.77	1412.59	0.16
Hempstead Lake	2257.752	Max WS	16020.60	4.20	20.62		20.68	0.000442	2.55	9309.49	1420.37	0.13
Hempstead Lake	2252.75*	Max WS	16020.57	4.10	20.61		20.69	0.000383	2.88	9206.68	1408.42	0.15
Hempstead Lake	2247.752	Max WS	16020.53	4.00	20.61		20.68	0.000470	2.75	9124.29	1399.57	0.14
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	16020.53	3.80	20.35		20.59	0.000721	5.21	6793.53	1293.72	0.27
Hempstead Lake	2192.75*	Max WS	16020.49	3.75	20.35		20.58	0.000525	5.05	7245.12	1248.45	0.25
Hempstead Lake	2187.752	Max WS	16020.46	3.70	20.34		20.59	0.000416	5.39	7513.98	1233.21	0.27
Hempstead Lake	2178.63*	Max WS	16020.43	3.72	20.33		20.60	0.000439	5.51	7355.03	1235.99	0.27
Hempstead Lake	2169.52*	Max WS	16020.40	3.74	20.32		20.60	0.000464	5.64	7196.20	1245.51	0.28
Hempstead Lake	2160.40*	Max WS	16020.37	3.76	20.31		20.61	0.000497	5.81	7040.39	1276.93	0.29
Hempstead Lake	2151.29*	Max WS	16020.33	3.78	20.29		20.62	0.000527	5.96	6887.30	1288.35	0.30
Hempstead Lake	2142.17*	Max WS	16020.30	3.80	20.28		20.63	0.000557	6.10	6736.52	1297.57	0.31
Hempstead Lake	2133.05*	Max WS	16020.27	3.82	20.27		20.64	0.000590	6.24	6587.02	1308.36	0.31
Hempstead Lake	2123.94*	Max WS	16020.24	3.83	20.25		20.64	0.000624	6.39	6439.48	1320.02	0.32
Hempstead Lake	2114.82*	Max WS	16020.21	3.85	20.24		20.65	0.000663	6.55	6287.30	1346.95	0.33
Hempstead Lake	2105.71*	Max WS	16020.17	3.87	20.22		20.68	0.000720	6.79	6147.01	1355.28	0.35
Hempstead Lake	2096.59*	Max WS	16020.14	3.89	20.20		20.68	0.000762	6.94	5997.25	1350.60	0.35
Hempstead Lake	2087.48*	Max WS	16020.11	3.91	20.18		20.69	0.000805	7.09	5852.51	1345.96	0.36
Hempstead Lake	2078.36*	Max WS	16020.08	3.93	20.17		20.70	0.000853	7.25	5708.18	1341.80	0.37

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	16020.04	3.95	20.15		20.71	0.000904	7.42	5564.11	1337.85	0.38
Hempstead Lake	2060.13*	Max WS	16020.01	3.97	20.13		20.72	0.000960	7.60	5418.47	1333.62	0.40
Hempstead Lake	2051.01*	Max WS	16019.98	3.99	20.10		20.74	0.001021	7.78	5272.84	1329.99	0.41
Hempstead Lake	2041.90*	Max WS	16019.95	4.01	20.08		20.75	0.001090	7.98	5122.88	1325.69	0.42
Hempstead Lake	2032.78*	Max WS	16019.92	4.03	20.05		20.77	0.001163	8.19	4974.19	1321.46	0.43
Hempstead Lake	2023.67*	Max WS	16019.89	4.05	20.02		20.78	0.001247	8.41	4822.17	1317.86	0.45
Hempstead Lake	2014.55*	Max WS	16019.87	4.07	19.99		20.80	0.001336	8.63	4672.52	1312.28	0.46
Hempstead Lake	2005.44*	Max WS	16019.84	4.08	19.96		20.82	0.001436	8.87	4515.05	1299.55	0.48
Hempstead Lake	1996.32*	Max WS	16019.82	4.10	19.92		20.85	0.001547	9.13	4357.50	1286.91	0.50
Hempstead Lake	1987.20*	Max WS	16019.99	4.12	19.88		20.87	0.001675	9.40	4193.76	1273.83	0.51
Hempstead Lake	1978.09*	Max WS	16019.99	4.14	19.83		20.90	0.001819	9.70	4026.01	1259.57	0.53
Hempstead Lake	1968.97*	Max WS	16019.77	4.16	19.77		20.93	0.001993	10.04	3849.76	1246.61	0.56
Hempstead Lake	1959.86*	Max WS	16019.76	4.18	19.71		20.98	0.002199	10.42	3663.44	1232.41	0.58
Hempstead Lake	1950.747	Max WS	16009.23	4.20	19.63	19.00	21.03	0.002445	10.84	3464.74	1213.20	0.61
Hempstead Lake	1945.747	Max WS	16019.98	4.21	19.99		20.69	0.003339	9.47	4280.49	1314.80	0.64
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	14833.08	4.50	18.02		18.21	0.003529	4.06	4467.65	1064.88	0.29
Hempstead Lake	1880.747	Max WS	14832.86	4.45	17.98		18.22	0.000623	4.45	5322.78	1077.98	0.28
Hempstead Lake	1848.83*	Max WS	14831.81	2.70	18.07		18.15	0.000175	2.42	7817.28	1208.25	0.13
Hempstead Lake	1816.92*	Max WS	14848.50	0.95	18.10		18.14	0.000093	1.56	10849.14	1326.34	0.07
Hempstead Lake	1785.01*	Max WS	14844.99	-0.80	18.12		18.13	0.000055	1.09	14475.55	1356.99	0.05
Hempstead Lake	1753.104	Max WS	14841.59	-2.55	18.12		18.13	0.000006	0.83	18818.71	1390.53	0.03
Hempstead Lake	1732.65*	Max WS	14839.46	-2.75	18.12		18.13	0.000035	0.81	19090.57	1428.80	0.03
Hempstead Lake	1712.21*	Max WS	14837.27	-2.95	18.12		18.13	0.000034	0.80	19413.18	1475.74	0.03
Hempstead Lake	1691.76*	Max WS	14835.02	-3.14	18.12		18.13	0.000033	0.79	19786.13	1515.01	0.03
Hempstead Lake	1671.32*	Max WS	14832.73	-3.34	18.12		18.13	0.000032	0.78	20203.60	1547.67	0.03
Hempstead Lake	1650.87*	Max WS	14832.30	-3.54	18.12		18.13	0.000031	0.77	20664.96	1577.12	0.03
Hempstead Lake	1630.434	Max WS	14832.27	-3.74	18.12		18.13	0.000005	0.79	21168.39	1605.04	0.03
Hempstead Lake	1610.36*	Max WS	14832.21	-3.49	18.12		18.13	0.000029	0.78	20537.21	1600.58	0.03
Hempstead Lake	1590.30*	Max WS	14832.10	-3.23	18.12		18.13	0.000029	0.81	19905.36	1595.15	0.03
Hempstead Lake	1570.23*	Max WS	14831.94	-2.98	18.12		18.13	0.000028	0.84	19275.29	1588.90	0.04
Hempstead Lake	1550.17*	Max WS	14831.73	-2.73	18.12		18.13	0.000027	0.88	18647.26	1582.02	0.04
Hempstead Lake	1530.10*	Max WS	14831.46	-2.47	18.12		18.13	0.000026	0.91	18018.90	1574.14	0.04
Hempstead Lake	1510.03*	Max WS	14831.13	-2.22	18.11		18.13	0.000024	0.95	17393.16	1564.72	0.04
Hempstead Lake	1489.97*	Max WS	14830.74	-1.96	18.11		18.13	0.000023	0.99	16771.12	1552.85	0.04
Hempstead Lake	1469.90*	Max WS	14830.27	-1.71	18.11		18.13	0.000021	1.04	16153.35	1536.70	0.05
Hempstead Lake	1449.83*	Max WS	14829.73	-1.46	18.11		18.13	0.000019	1.08	15545.42	1514.47	0.05
Hempstead Lake	1429.77*	Max WS	14829.11	-1.20	18.11		18.13	0.000017	1.13	14942.12	1501.45	0.05
Hempstead Lake	1409.707	Max WS	14828.41	-0.95	18.11		18.13	0.000015	1.16	14346.70	1489.24	0.05
Hempstead Lake	1389.03*	Max WS	15934.75	-0.98	18.10		18.12	0.000018	1.27	14331.83	1483.11	0.06
Hempstead Lake	1368.35*	Max WS	15933.83	-1.00	18.10		18.12	0.000018	1.27	14325.62	1478.23	0.06
Hempstead Lake	1347.67*	Max WS	15932.79	-1.03	18.10		18.12	0.000017	1.27	14317.95	1473.31	0.06
Hempstead Lake	1326.99*	Max WS	15931.63	-1.06	18.10		18.12	0.000017	1.28	14307.61	1468.50	0.06
Hempstead Lake	1306.32*	Max WS	15950.42	-1.08	18.10		18.12	0.000019	1.28	14296.39	1464.04	0.06
Hempstead Lake	1285.64*	Max WS	15950.19	-1.11	18.10		18.12	0.000019	1.28	14284.72	1460.13	0.06
Hempstead Lake	1264.96*	Max WS	15949.80	-1.14	18.09		18.12	0.000019	1.29	14270.25	1461.16	0.06
Hempstead Lake	1244.28*	Max WS	15949.22	-1.16	18.09		18.12	0.000019	1.29	14258.50	1486.73	0.06
Hempstead Lake	1223.61*	Max WS	15948.41	-1.19	18.09		18.12	0.000019	1.29	14250.40	1523.34	0.06
Hempstead Lake	1202.93*	Max WS	15958.55	-1.22	18.09		18.12	0.000019	1.30	14247.51	1668.86	0.06
Hempstead Lake	1182.25*	Max WS	15958.35	-1.24	18.09		18.12	0.000019	1.30	14272.83	1807.67	0.06
Hempstead Lake	1161.57*	Max WS	15957.91	-1.27	18.09		18.12	0.000019	1.30	14317.11	1941.91	0.06
Hempstead Lake	1140.90*	Max WS	15957.23	-1.30	18.09		18.12	0.000019	1.31	14367.62	1918.89	0.06
Hempstead Lake	1120.22*	Max WS	15957.48	-1.32	18.09		18.12	0.000020	1.31	14417.06	1895.75	0.06
Hempstead Lake	1099.54*	Max WS	15957.30	-1.35	18.09		18.12	0.000020	1.31	14461.04	1872.17	0.06
Hempstead Lake	1078.87*	Max WS	15956.89	-1.38	18.09		18.12	0.000020	1.31	14500.67	1847.85	0.06
Hempstead Lake	1058.19*	Max WS	15946.35	-1.40	18.09		18.12	0.000020	1.32	14543.23	1822.40	0.06
Hempstead Lake	1037.515	Max WS	15946.23	-1.43	18.09		18.12	0.000017	1.28	14585.14	1796.07	0.06
Hempstead Lake	1017.08*	Max WS	15952.63	-1.35	18.09		18.11	0.000021	1.31	14554.08	1804.96	0.06
Hempstead Lake	996.645*	Max WS	15932.08	-1.28	18.09		18.11	0.000026	1.30	14524.41	1814.49	0.06
Hempstead Lake	976.210*	Max WS	15931.90	-1.20	18.09		18.11	0.000030	1.30	14494.16	1825.80	0.06
Hempstead Lake	955.775*	Max WS	15931.51	-1.13	18.09		18.11	0.000035	1.30	14463.72	1834.36	0.06
Hempstead Lake	935.340*	Max WS	15902.82	-1.05	18.09		18.11	0.000040	1.30	14431.27	1841.30	0.06
Hempstead Lake	914.905*	Max WS	15902.59	-0.98	18.09		18.11	0.000046	1.29	14398.70	1850.37	0.06
Hempstead Lake	894.471*	Max WS	15902.17	-0.90	18.09		18.11	0.000051	1.29	14366.95	1907.79	0.06
Hempstead Lake	874.036*	Max WS	15868.13	-0.83	18.09		18.11	0.000058	1.28	14342.23	1944.84	0.05
Hempstead Lake	853.601*	Max WS	15867.98	-0.75	18.09		18.11	0.000063	1.28	14322.22	1979.51	0.05
Hempstead Lake	833.166*	Max WS	15867.68	-0.68	18.08		18.11	0.000070	1.27	14302.26	1989.39	0.05
Hempstead Lake	812.731*	Max WS	15867.22	-0.60	18.08		18.11	0.000075	1.27	14281.69	1997.70	0.05
Hempstead Lake	792.296*	Max WS	15866.61	-0.53	18.08		18.10	0.000082	1.26	14261.19	2005.58	0.05
Hempstead Lake	771.862	Max WS	15865.81	-0.45	18.08		18.10	0.000017	1.36	14232.96	2011.85	0.06
Hempstead Lake	750.331*	Max WS	15835.16	-0.53	18.08		18.10	0.000086	1.30	13932.09	2032.57	0.06
Hempstead Lake	728.8*	Max WS	15835.03	-0.61	18.08		18.10	0.000087	1.35	13627.22	2053.40	0.06
Hempstead Lake	707.269*	Max WS	15834.75	-0.69	18.07		18.10	0.000084	1.40	13327.32	2074.38	0.06
Hempstead Lake	685.738*	Max WS	15834.33	-0.77	18.07		18.10	0.000081	1.45	13030.32	2095.30	0.06
Hempstead Lake	664.207*	Max WS	15833.76	-0.85	18.07		18.10	0.000077	1.49	12737.35	2116.56	0.07
Hempstead Lake	642.676*	Max WS	15833.06	-0.93	18.06		18.10	0.000074	1.54	12450.80	2137.84	0.07
Hempstead Lake	621.145*	Max WS	15832.21	-1.02	18.06		18.09	0.000068	1.58	12166.18	2159.42	0.07
Hempstead Lake	599.614*	Max WS	15831.23	-1.10	18.05		18.09	0.000061	1.63	11887.06	2181.13	0.07
Hempstead Lake	578.083*	Max WS	15830.13	-1.18	18.05		18.09	0.000053	1.66	11613.02	2203.25	0.08
Hempstead Lake	556.552*	Max WS	15828.92	-1.26	18.05		18.09	0.000048	1.69	11344.13	2224.07	0.08
Hempstead Lake	535.021*	Max WS	15827.61	-1.34	18.05		18.09	0.000040	1.72	11079.73	2244.98	0.08

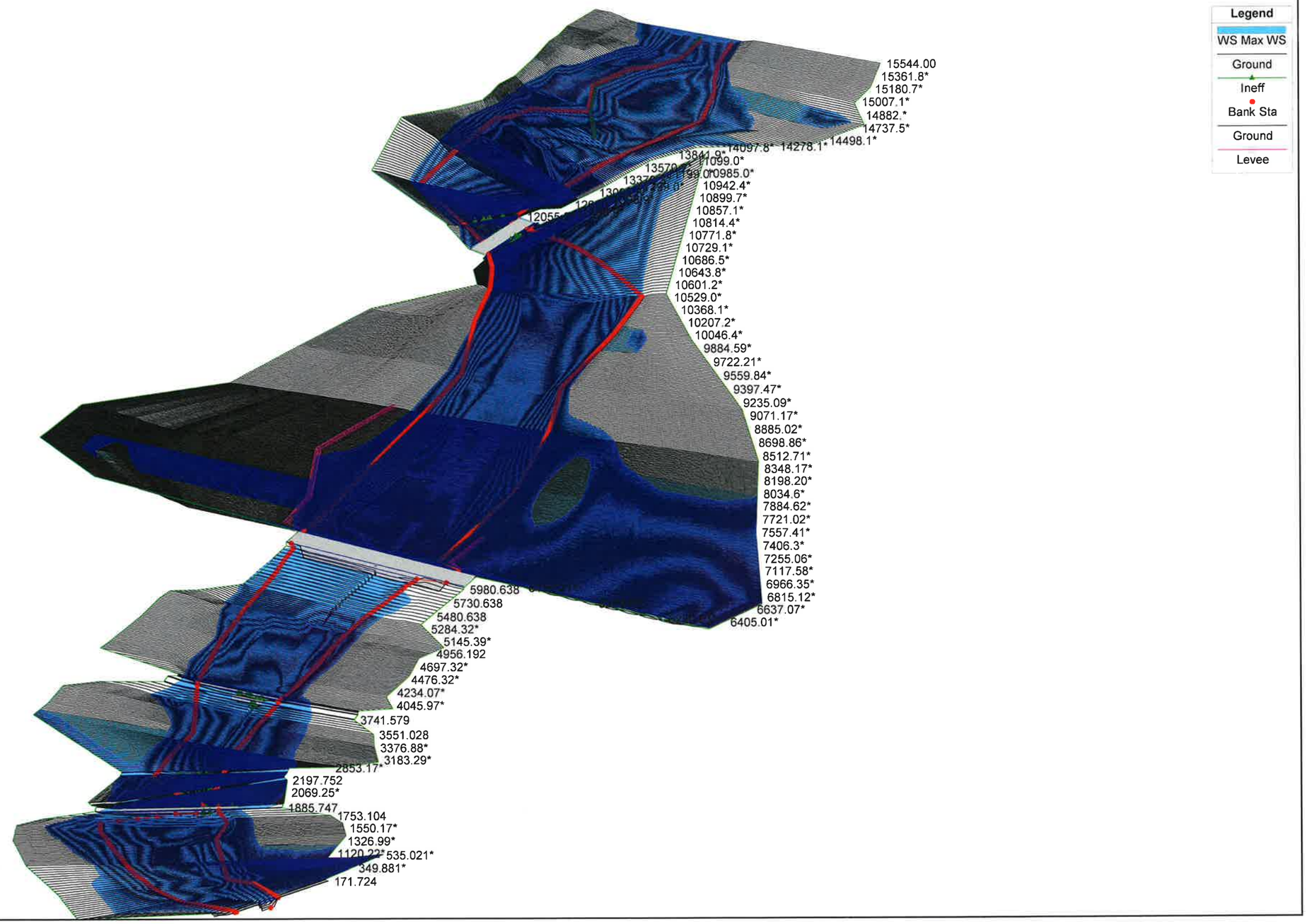
Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

90% of 1/2PMF - Existing - O Breach



Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

90% of 1/2PMF - Existing - O Breach



90% Existing Half PMF Non-Breach 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7329.48	26.48	42.99		43.01	0.000015	1.12	8128.45	871.95	0.05
Hempstead Lake	15523.7*	Max WS	7328.79	26.43	42.99		43.01	0.000077	1.05	8132.01	864.26	0.05
Hempstead Lake	15503.5*	Max WS	7328.14	26.38	42.99		43.01	0.000072	1.05	8133.63	856.45	0.05
Hempstead Lake	15483.3*	Max WS	7327.55	26.34	42.99		43.00	0.000066	1.05	8134.83	846.77	0.05
Hempstead Lake	15463.0*	Max WS	7327.03	26.29	42.99		43.00	0.000060	1.05	8135.42	839.90	0.05
Hempstead Lake	15442.8*	Max WS	7326.59	26.24	42.99		43.00	0.000056	1.05	8135.31	834.37	0.05
Hempstead Lake	15422.5*	Max WS	7326.23	26.19	42.99		43.00	0.000051	1.05	8134.45	830.74	0.05
Hempstead Lake	15402.3*	Max WS	7325.98	26.15	42.99		43.00	0.000046	1.06	8129.04	828.08	0.05
Hempstead Lake	15382.1*	Max WS	7325.84	26.10	42.99		43.00	0.000043	1.06	8122.30	826.14	0.05
Hempstead Lake	15361.8*	Max WS	7327.30	26.05	42.98		43.00	0.000039	1.06	8111.51	825.23	0.05
Hempstead Lake	15341.6*	Max WS	7326.08	26.00	42.98		43.00	0.000036	1.06	8098.14	820.29	0.05
Hempstead Lake	15321.4*	Max WS	7324.98	25.96	42.98		43.00	0.000032	1.06	8083.47	806.29	0.05
Hempstead Lake	15301.1*	Max WS	7324.03	25.91	42.98		43.00	0.000027	1.05	8068.40	786.82	0.05
Hempstead Lake	15280.9*	Max WS	7323.25	25.86	42.98		43.00	0.000024	1.04	8055.93	762.73	0.05
Hempstead Lake	15260.7*	Max WS	7322.64	25.81	42.98		43.00	0.000021	1.04	8042.85	761.53	0.05
Hempstead Lake	15240.4*	Max WS	7322.20	25.77	42.98		43.00	0.000018	1.04	8026.87	760.35	0.05
Hempstead Lake	15220.2*	Max WS	7321.93	25.72	42.98		42.99	0.000016	1.04	8007.27	759.84	0.05
Hempstead Lake	15200.02	Max WS	7317.70	25.67	42.98		42.99	0.000014	1.05	7985.86	759.06	0.05
Hempstead Lake	15180.7*	Max WS	7316.55	25.24	42.98		42.99	0.000015	0.99	8424.95	787.45	0.05
Hempstead Lake	15161.4*	Max WS	7315.51	24.82	42.98		42.99	0.000016	0.94	8883.75	812.80	0.04
Hempstead Lake	15142.1*	Max WS	7314.60	24.39	42.98		42.99	0.000017	0.89	9362.22	840.91	0.04
Hempstead Lake	15122.8*	Max WS	7313.82	23.96	42.98		42.99	0.000018	0.84	9856.86	864.60	0.04
Hempstead Lake	15103.5*	Max WS	7313.20	23.53	42.98		42.99	0.000018	0.80	10367.92	888.42	0.04
Hempstead Lake	15084.2*	Max WS	7312.73	23.11	42.98		42.99	0.000019	0.75	10896.12	911.03	0.03
Hempstead Lake	15064.9*	Max WS	7312.44	22.68	42.98		42.99	0.000019	0.71	11439.25	931.58	0.03
Hempstead Lake	15045.6*	Max WS	7312.33	22.25	42.98		42.99	0.000019	0.68	11997.31	951.07	0.03
Hempstead Lake	15026.4*	Max WS	7302.64	21.82	42.99		42.99	0.000018	0.64	12570.63	969.78	0.03
Hempstead Lake	15007.1*	Max WS	7301.29	21.40	42.99		42.99	0.000018	0.61	13156.71	987.80	0.03
Hempstead Lake	14987.82	Max WS	7300.07	20.97	42.99		42.99	0.000003	0.60	13757.92	1005.26	0.02
Hempstead Lake	14966.6*	Max WS	7342.56	20.84	42.99		42.99	0.000017	0.58	14102.76	1027.20	0.02
Hempstead Lake	14945.4*	Max WS	7341.56	20.72	42.98		42.99	0.000016	0.56	14452.47	1049.39	0.02
Hempstead Lake	14924.3*	Max WS	7340.77	20.59	42.98		42.99	0.000015	0.54	14812.76	1072.10	0.02
Hempstead Lake	14903.1*	Max WS	7340.19	20.46	42.98		42.99	0.000014	0.53	15179.26	1095.30	0.02
Hempstead Lake	14882.*	Max WS	7339.85	20.34	42.98		42.99	0.000013	0.51	15555.64	1119.62	0.02
Hempstead Lake	14860.8*	Max WS	7323.57	20.21	42.98		42.99	0.000012	0.50	16064.72	1400.59	0.02
Hempstead Lake	14839.6*	Max WS	7321.10	20.08	42.98		42.99	0.000012	0.48	16716.60	1517.93	0.02
Hempstead Lake	14818.5*	Max WS	7318.73	19.96	42.98		42.99	0.000011	0.47	17428.26	1628.66	0.02
Hempstead Lake	14797.35	Max WS	7316.56	19.83	42.98		42.99	0.000002	0.46	18187.64	1721.02	0.02
Hempstead Lake	14777.4*	Max WS	7314.81	19.81	42.98		42.99	0.000009	0.45	18364.29	1728.90	0.02
Hempstead Lake	14757.4*	Max WS	7313.40	19.80	42.98		42.99	0.000008	0.44	18551.87	1739.09	0.02
Hempstead Lake	14737.5*	Max WS	7312.37	19.78	42.98		42.99	0.000007	0.43	18751.92	1745.89	0.02
Hempstead Lake	14717.5*	Max WS	7311.72	19.76	42.98		42.99	0.000007	0.43	18968.22	1751.31	0.02
Hempstead Lake	14697.6*	Max WS	7311.47	19.74	42.98		42.99	0.000006	0.42	19200.36	1754.20	0.02
Hempstead Lake	14677.6*	Max WS	7281.41	19.73	42.98		42.99	0.000005	0.41	19449.56	1745.74	0.02
Hempstead Lake	14657.7*	Max WS	7278.89	19.71	42.98		42.99	0.000005	0.41	19715.12	1731.71	0.02
Hempstead Lake	14637.7*	Max WS	7276.79	19.69	42.98		42.98	0.000004	0.40	20013.58	1618.82	0.02
Hempstead Lake	14617.8*	Max WS	7275.18	19.67	42.98		42.98	0.000004	0.39	20373.34	1523.46	0.02
Hempstead Lake	14597.8*	Max WS	7273.97	19.65	42.98		42.98	0.000003	0.39	20765.35	1551.11	0.02
Hempstead Lake	14577.9*	Max WS	7273.09	19.64	42.98		42.98	0.000003	0.38	21170.12	1585.77	0.01
Hempstead Lake	14557.9*	Max WS	7272.59	19.62	42.98		42.98	0.000003	0.38	21602.69	1663.33	0.01
Hempstead Lake	14538.0*	Max WS	7237.40	19.60	42.98		42.98	0.000002	0.37	22080.93	1717.65	0.01
Hempstead Lake	14518.0*	Max WS	7234.57	19.58	42.98		42.98	0.000002	0.36	22578.67	1743.36	0.01
Hempstead Lake	14498.1*	Max WS	7232.05	19.57	42.98		42.98	0.000002	0.36	23080.93	1765.67	0.01
Hempstead Lake	14478.1*	Max WS	7229.86	19.55	42.98		42.98	0.000002	0.35	23590.11	1780.42	0.01
Hempstead Lake	14458.2*	Max WS	7228.03	19.53	42.98		42.98	0.000001	0.35	24100.96	1793.22	0.01
Hempstead Lake	14438.2*	Max WS	7226.59	19.51	42.98		42.98	0.000001	0.34	24610.61	1804.41	0.01
Hempstead Lake	14418.3*	Max WS	7225.56	19.50	42.98		42.98	0.000001	0.34	25116.67	1816.22	0.01
Hempstead Lake	14398.37	Max WS	7224.96	19.48	42.98		42.98	0.000001	0.33	25625.54	1829.40	0.01
Hempstead Lake	14378.3*	Max WS	7182.83	19.48	42.98		42.98	0.000001	0.34	25347.04	1810.48	0.01
Hempstead Lake	14358.3*	Max WS	7179.79	19.49	42.98		42.98	0.000001	0.34	25064.31	1791.05	0.01
Hempstead Lake	14338.2*	Max WS	7177.15	19.49	42.98		42.98	0.000001	0.35	24787.16	1771.48	0.01
Hempstead Lake	14318.2*	Max WS	7174.93	19.49	42.98		42.98	0.000001	0.35	24508.25	1752.62	0.01
Hempstead Lake	14298.2*	Max WS	7173.15	19.49	42.98		42.98	0.000001	0.36	24229.77	1734.36	0.01
Hempstead Lake	14278.1*	Max WS	7171.82	19.50	42.98		42.98	0.000001	0.37	23954.50	1717.06	0.01
Hempstead Lake	14258.1*	Max WS	7170.95	19.50	42.98		42.98	0.000001	0.37	23681.19	1700.74	0.01
Hempstead Lake	14238.1*	Max WS	7170.57	19.50	42.98		42.98	0.000001	0.38	23410.94	1685.67	0.01
Hempstead Lake	14218.0*	Max WS	7123.12	19.50	42.98		42.98	0.000001	0.38	23155.75	1788.62	0.01
Hempstead Lake	14198.0*	Max WS	7120.22	19.51	42.98		42.98	0.000001	0.39	22964.03	1810.76	0.02
Hempstead Lake	14178.0*	Max WS	7117.69	19.51	42.98		42.98	0.000001	0.40	22785.26	1830.83	0.02
Hempstead Lake	14157.9*	Max WS	7115.63	19.51	42.98		42.98	0.000001	0.40	22622.61	1861.63	0.02
Hempstead Lake	14137.9*	Max WS	7114.07	19.51	42.98		42.98	0.000001	0.41	22473.87	1873.67	0.02
Hempstead Lake	14117.9*	Max WS	7113.09	19.52	42.98		42.98	0.000001	0.42	22320.41	1839.57	0.02
Hempstead Lake	14097.8*	Max WS	7112.71	19.52	42.98		42.98	0.000001	0.42	22156.60	1802.33	0.02
Hempstead Lake	14077.8*	Max WS	7063.37	19.52	42.98		42.98	0.000001	0.43	21980.13	1764.60	0.02
Hempstead Lake	14057.8*	Max WS	7060.41	19.52	42.98		42.98	0.000001	0.43	21791.03	1726.57	0.02
Hempstead Lake	14037.7*	Max WS	7057.97	19.53	42.98		42.98	0.000001	0.44	21590.89	1688.16	0.02
Hempstead Lake	14017.75	Max WS	7056.07	19.53	42.98		42.98	0.000001	0.45	21374.76	1649.51	0.02
Hempstead Lake	13998.2*	Max WS	7054.83	19.61	42.98		42.98	0.000003	0.42	21231.46	1640.38	0.02
Hempstead Lake	13978.6*	Max WS	7054.07	19.69	42.98		42.98	0.000003	0.42	21084.63	1631.17	0.02
Hempstead Lake	13959.1*	Max WS	7008.01	19.77	42.98		42.98	0.000003	0.42	20932.32	1621.93	0.02
Hempstead Lake	13939.6*	Max WS	7005.00	19.85	42.98		42.98	0.000003	0.41	20775.48	1612.72	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7002.38	19.94	42.98		42.98	0.000003	0.41	20614.88	1603.52	0.02
Hempstead Lake	13900.5*	Max WS	7000.17	20.02	42.98		42.98	0.000003	0.41	20448.58	1593.69	0.02
Hempstead Lake	13881.*	Max WS	6998.41	20.10	42.98		42.98	0.000004	0.41	20279.88	1581.66	0.02
Hempstead Lake	13861.4*	Max WS	6997.11	20.18	42.98		42.98	0.000004	0.41	20109.42	1570.15	0.02
Hempstead Lake	13841.9*	Max WS	6996.32	20.26	42.98		42.98	0.000004	0.41	19934.42	1559.15	0.02
Hempstead Lake	13822.3*	Max WS	6996.05	20.34	42.97		42.98	0.000004	0.41	19754.58	1547.47	0.02
Hempstead Lake	13802.8*	Max WS	6948.79	20.42	42.97		42.98	0.000004	0.41	19573.61	1535.48	0.02
Hempstead Lake	13783.3*	Max WS	6946.01	20.50	42.97		42.98	0.000004	0.41	19387.08	1525.12	0.02
Hempstead Lake	13763.7*	Max WS	6943.66	20.59	42.97		42.98	0.000004	0.41	19194.27	1516.14	0.02
Hempstead Lake	13744.2*	Max WS	6941.74	20.67	42.97		42.98	0.000004	0.41	18994.55	1508.36	0.02
Hempstead Lake	13724.7*	Max WS	6940.31	20.75	42.97		42.98	0.000004	0.42	18787.33	1501.65	0.02
Hempstead Lake	13705.1*	Max WS	6939.39	20.83	42.97		42.98	0.000004	0.42	18567.90	1495.77	0.02
Hempstead Lake	13685.63	Max WS	6939.02	20.91	42.97		42.98	0.000002	0.43	18340.25	1490.70	0.02
Hempstead Lake	13666.4*	Max WS	6893.42	21.07	42.97		42.98	0.000003	0.41	18829.29	1487.87	0.02
Hempstead Lake	13647.1*	Max WS	6890.49	21.23	42.97		42.97	0.000003	0.40	19244.88	1485.05	0.02
Hempstead Lake	13627.9*	Max WS	6887.92	21.39	42.97		42.97	0.000003	0.39	19585.86	1482.25	0.02
Hempstead Lake	13608.7*	Max WS	6885.74	21.56	42.97		42.97	0.000003	0.38	19850.48	1479.44	0.02
Hempstead Lake	13589.5*	Max WS	6883.97	21.72	42.97		42.97	0.000003	0.38	20043.10	1476.62	0.02
Hempstead Lake	13570.2*	Max WS	6882.65	21.88	42.97		42.97	0.000003	0.38	20160.53	1473.83	0.02
Hempstead Lake	13551.0*	Max WS	6881.79	22.04	42.97		42.97	0.000003	0.38	20204.34	1471.05	0.02
Hempstead Lake	13531.8*	Max WS	6881.42	22.20	42.97		42.97	0.000003	0.38	20172.40	1468.28	0.02
Hempstead Lake	13512.6*	Max WS	6834.46	22.36	42.97		42.97	0.000003	0.38	20066.08	1465.44	0.02
Hempstead Lake	13493.3*	Max WS	6831.23	22.53	42.97		42.97	0.000002	0.38	19886.52	1462.62	0.02
Hempstead Lake	13474.1*	Max WS	6828.38	22.69	42.97		42.97	0.000002	0.39	19631.58	1459.89	0.02
Hempstead Lake	13454.9*	Max WS	6825.92	22.85	42.97		42.97	0.000002	0.40	19303.56	1457.21	0.02
Hempstead Lake	13435.72	Max WS	6823.88	23.01	42.97		42.97	0.000002	0.39	18899.73	1454.60	0.02
Hempstead Lake	13419.3*	Max WS	6822.53	23.00	42.97		42.97	0.000002	0.41	18932.01	1458.37	0.02
Hempstead Lake	13403.0*	Max WS	6821.54	23.00	42.97		42.97	0.000003	0.41	18978.37	1462.16	0.02
Hempstead Lake	13386.6*	Max WS	6820.95	22.99	42.97		42.97	0.000003	0.40	19036.53	1465.90	0.02
Hempstead Lake	13370.3*	Max WS	6775.29	22.98	42.97		42.97	0.000003	0.40	19107.12	1469.64	0.02
Hempstead Lake	13354.*	Max WS	6772.03	22.98	42.97		42.97	0.000003	0.40	19189.69	1473.35	0.02
Hempstead Lake	13337.6*	Max WS	6769.01	22.97	42.97		42.97	0.000003	0.39	19285.94	1477.04	0.02
Hempstead Lake	13321.3*	Max WS	6766.25	22.96	42.97		42.97	0.000003	0.39	19394.30	1480.66	0.02
Hempstead Lake	13304.9*	Max WS	6763.79	22.95	42.97		42.97	0.000003	0.39	19514.36	1484.32	0.02
Hempstead Lake	13288.6*	Max WS	6761.63	22.95	42.97		42.97	0.000003	0.38	19647.85	1487.94	0.02
Hempstead Lake	13272.29	Max WS	6759.81	22.94	42.97		42.97	0.000002	0.38	19792.88	1491.53	0.02
Hempstead Lake	13255.0*	Max WS	6758.21	22.90	42.97		42.97	0.000002	0.38	20064.84	1493.76	0.02
Hempstead Lake	13237.8*	Max WS	6757.06	22.87	42.97		42.97	0.000002	0.37	20326.98	1495.99	0.02
Hempstead Lake	13220.5*	Max WS	6756.40	22.83	42.97		42.97	0.000002	0.37	20581.89	1498.13	0.02
Hempstead Lake	13203.3*	Max WS	6706.85	22.80	42.97		42.97	0.000002	0.36	20826.11	1500.22	0.02
Hempstead Lake	13186.0*	Max WS	6702.85	22.76	42.97		42.97	0.000002	0.35	21061.64	1502.33	0.02
Hempstead Lake	13168.8*	Max WS	6699.15	22.72	42.97		42.97	0.000002	0.35	21288.02	1504.31	0.02
Hempstead Lake	13151.6*	Max WS	6695.74	22.69	42.97		42.97	0.000002	0.34	21505.17	1506.21	0.02
Hempstead Lake	13134.3*	Max WS	6692.68	22.65	42.97		42.97	0.000002	0.34	21713.57	1508.13	0.01
Hempstead Lake	13117.1*	Max WS	6689.99	22.62	42.97		42.97	0.000002	0.34	21913.39	1509.88	0.01
Hempstead Lake	13099.8*	Max WS	6687.69	22.58	42.97		42.97	0.000002	0.33	22103.88	1511.63	0.01
Hempstead Lake	13082.6*	Max WS	6685.83	22.55	42.97		42.97	0.000002	0.33	22284.35	1513.19	0.01
Hempstead Lake	13065.3*	Max WS	6684.43	22.51	42.97		42.97	0.000002	0.33	22457.52	1514.62	0.01
Hempstead Lake	13048.1*	Max WS	6683.54	22.47	42.97		42.97	0.000002	0.33	22621.22	1516.03	0.01
Hempstead Lake	13030.9*	Max WS	6683.19	22.44	42.97		42.97	0.000002	0.32	22774.24	1517.20	0.01
Hempstead Lake	13013.6*	Max WS	6626.13	22.40	42.97		42.97	0.000002	0.32	22919.73	1518.22	0.01
Hempstead Lake	12996.4*	Max WS	6621.89	22.37	42.97		42.97	0.000002	0.32	23057.07	1519.00	0.01
Hempstead Lake	12979.1*	Max WS	6617.95	22.33	42.97		42.97	0.000002	0.31	23182.66	1519.46	0.01
Hempstead Lake	12961.9*	Max WS	6614.35	22.29	42.97		42.97	0.000002	0.31	23303.03	1519.58	0.01
Hempstead Lake	12944.7*	Max WS	6611.12	22.26	42.97		42.97	0.000002	0.31	23412.14	1519.25	0.01
Hempstead Lake	12927.4*	Max WS	6608.30	22.22	42.97		42.97	0.000002	0.31	23513.73	1518.35	0.01
Hempstead Lake	12910.2*	Max WS	6605.91	22.19	42.97		42.97	0.000002	0.31	23606.93	1516.71	0.01
Hempstead Lake	12892.97	Max WS	6603.99	22.15	42.97		42.97	0.000001	0.31	23691.11	1514.07	0.01
Hempstead Lake	12881.0*	Max WS	7912.11	22.12	42.96		42.97	0.000001	0.37	23676.68	1512.27	0.02
Hempstead Lake	12869.1*	Max WS	7911.30	22.09	42.96		42.97	0.000001	0.37	23664.49	1510.86	0.02
Hempstead Lake	12857.1*	Max WS	7910.84	22.06	42.96		42.97	0.000001	0.37	23651.04	1509.18	0.02
Hempstead Lake	12845.2*	Max WS	7854.23	22.03	42.96		42.97	0.000001	0.37	23637.93	1507.45	0.02
Hempstead Lake	12833.3*	Max WS	7850.20	22.00	42.96		42.97	0.000001	0.37	23623.84	1505.35	0.01
Hempstead Lake	12821.4*	Max WS	7846.34	21.97	42.96		42.97	0.000001	0.37	23612.61	1503.20	0.01
Hempstead Lake	12809.4*	Max WS	7842.64	21.94	42.96		42.97	0.000001	0.37	23600.57	1500.71	0.01
Hempstead Lake	12797.5*	Max WS	7839.14	21.92	42.96		42.97	0.000001	0.37	23587.65	1497.86	0.01
Hempstead Lake	12785.6*	Max WS	7835.86	21.89	42.96		42.97	0.000001	0.37	23576.40	1493.96	0.01
Hempstead Lake	12773.7*	Max WS	7832.81	21.86	42.96		42.97	0.000001	0.37	23565.21	1489.67	0.01
Hempstead Lake	12761.7*	Max WS	7830.03	21.83	42.96		42.97	0.000001	0.37	23554.39	1484.66	0.01
Hempstead Lake	12749.8*	Max WS	7827.51	21.80	42.96		42.97	0.000001	0.37	23545.38	1479.14	0.01
Hempstead Lake	12737.9*	Max WS	7825.30	21.77	42.96		42.97	0.000001	0.37	23537.14	1472.83	0.01
Hempstead Lake	12726.0*	Max WS	7823.41	21.74	42.96		42.97	0.000001	0.37	23529.21	1465.84	0.01
Hempstead Lake	12714.0*	Max WS	7821.85	21.71	42.96		42.96	0.000001	0.37	23521.11	1460.93	0.01
Hempstead Lake	12702.1*	Max WS	7820.64	21.68	42.96		42.96	0.000001	0.37	23517.28	1455.85	0.01
Hempstead Lake	12690.2*	Max WS	7819.83	21.65	42.96		42.96	0.000001	0.37	23512.91	1450.47	0.01
Hempstead Lake	12678.3*	Max WS	7819.43	21.62	42.96		42.96	0.000001	0.37	23510.05	1445.00	0.01
Hempstead Lake	12666.3*	Max WS	7758.85	21.59	42.96		42.96	0.000001	0.37	23507.58	1439.10	0.01
Hempstead Lake	12654.4*	Max WS	7754.38	21.56	42.96		42.96	0.000001	0.37	23506.60	1433.37	0.01
Hempstead Lake	12642.5*	Max WS	7750.05	21.53	42.96		42.96	0.000001	0.37	23507.69	1429.57	0.01
Hempstead Lake	12630.6*	Max WS	7745.87	21.50	42.96		42.96	0.000001	0.37	23508.70	1425.78	0.01
Hempstead Lake	12618.6*	Max WS	7741.86	21.47	42.96		42.96	0.000001	0.37	23511.34	1422.08	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	7738.02	21.45	42.96		42.96	0.000001	0.37	23513.84	1418.32	0.01
Hempstead Lake	12594.8*	Max WS	7734.36	21.42	42.96		42.96	0.000001	0.37	23518.61	1414.74	0.01
Hempstead Lake	12582.9*	Max WS	7730.91	21.39	42.96		42.96	0.000001	0.37	23523.06	1411.11	0.01
Hempstead Lake	12570.9*	Max WS	7727.68	21.36	42.96		42.96	0.000001	0.37	23527.84	1407.60	0.01
Hempstead Lake	12559.0*	Max WS	7724.70	21.33	42.96		42.96	0.000001	0.37	23533.76	1404.53	0.01
Hempstead Lake	12547.1*	Max WS	7721.99	21.30	42.96		42.96	0.000001	0.37	23541.12	1402.40	0.01
Hempstead Lake	12535.2*	Max WS	7719.58	21.27	42.96		42.96	0.000001	0.37	23549.43	1400.37	0.01
Hempstead Lake	12523.27	Max WS	7717.51	21.24	42.96		42.96	0.000001	0.37	23556.36	1398.27	0.01
Hempstead Lake	12515.8*	Max WS	8287.68	21.24	42.96		42.96	0.000001	0.39	23371.64	1385.25	0.02
Hempstead Lake	12508.3*	Max WS	8286.84	21.24	42.96		42.96	0.000002	0.39	23188.42	1372.16	0.02
Hempstead Lake	12500.9*	Max WS	8286.12	21.23	42.96		42.96	0.000002	0.39	23005.82	1359.12	0.02
Hempstead Lake	12493.4*	Max WS	8285.53	21.23	42.96		42.96	0.000002	0.40	22823.34	1345.98	0.02
Hempstead Lake	12486.0*	Max WS	8285.08	21.23	42.96		42.96	0.000002	0.40	22642.96	1332.88	0.02
Hempstead Lake	12478.5*	Max WS	8284.76	21.23	42.96		42.96	0.000002	0.40	22462.15	1319.68	0.02
Hempstead Lake	12471.1*	Max WS	8284.59	21.23	42.96		42.96	0.000003	0.40	22282.46	1306.53	0.02
Hempstead Lake	12463.7*	Max WS	8227.98	21.23	42.96		42.96	0.000003	0.40	22103.51	1293.27	0.02
Hempstead Lake	12456.2*	Max WS	8225.25	21.22	42.96		42.96	0.000003	0.40	21925.90	1280.04	0.02
Hempstead Lake	12448.8*	Max WS	8222.55	21.22	42.96		42.96	0.000003	0.40	21747.81	1266.65	0.02
Hempstead Lake	12441.3*	Max WS	8219.88	21.22	42.96		42.96	0.000004	0.40	21570.61	1253.29	0.02
Hempstead Lake	12433.9*	Max WS	8217.23	21.22	42.96		42.96	0.000004	0.40	21394.27	1239.78	0.02
Hempstead Lake	12426.4*	Max WS	8214.62	21.22	42.96		42.96	0.000005	0.41	21220.54	1226.24	0.02
Hempstead Lake	12419.0*	Max WS	8212.04	21.21	42.96		42.96	0.000005	0.41	21045.30	1212.50	0.02
Hempstead Lake	12411.5*	Max WS	8209.49	21.21	42.96		42.96	0.000005	0.41	20871.97	1198.59	0.02
Hempstead Lake	12404.1*	Max WS	8206.97	21.21	42.96		42.96	0.000006	0.41	20699.29	1184.51	0.02
Hempstead Lake	12396.6*	Max WS	8204.48	21.21	42.96		42.96	0.000006	0.41	20527.25	1170.06	0.02
Hempstead Lake	12389.2*	Max WS	8202.03	21.21	42.96		42.96	0.000006	0.42	20356.91	1155.22	0.02
Hempstead Lake	12381.8*	Max WS	8199.61	21.21	42.96		42.96	0.000007	0.42	20186.94	1139.69	0.02
Hempstead Lake	12374.3*	Max WS	8197.23	21.20	42.96		42.96	0.000007	0.42	20018.29	1120.54	0.02
Hempstead Lake	12366.9*	Max WS	8194.87	21.20	42.96		42.96	0.000008	0.42	19851.70	1106.23	0.02
Hempstead Lake	12359.46	Max WS	8192.55	21.20	42.96		42.96	0.000002	0.44	19685.79	1091.73	0.02
Hempstead Lake	12350.7*	Max WS	8571.94	21.19	42.96		42.96	0.000009	0.45	19356.13	1077.93	0.02
Hempstead Lake	12342.0*	Max WS	8569.11	21.17	42.96		42.96	0.000009	0.46	19029.90	1064.11	0.02
Hempstead Lake	12333.3*	Max WS	8566.31	21.16	42.96		42.96	0.000010	0.47	18702.81	1050.23	0.02
Hempstead Lake	12324.7*	Max WS	8563.53	21.14	42.96		42.96	0.000010	0.48	18378.15	1041.16	0.02
Hempstead Lake	12316.0*	Max WS	8560.79	21.13	42.96		42.96	0.000010	0.48	18057.69	1030.49	0.02
Hempstead Lake	12307.3*	Max WS	8558.07	21.11	42.96		42.96	0.000010	0.49	17738.76	1019.68	0.02
Hempstead Lake	12298.6*	Max WS	8555.38	21.10	42.96		42.96	0.000011	0.50	17421.48	1008.65	0.02
Hempstead Lake	12289.9*	Max WS	8552.71	21.09	42.96		42.96	0.000011	0.51	17107.04	997.54	0.02
Hempstead Lake	12281.2*	Max WS	8550.08	21.07	42.96		42.96	0.000011	0.52	16795.24	986.17	0.02
Hempstead Lake	12272.5*	Max WS	8547.48	21.06	42.96		42.96	0.000011	0.53	16484.52	974.76	0.02
Hempstead Lake	12263.8*	Max WS	8544.91	21.04	42.96		42.96	0.000012	0.54	16175.78	963.04	0.02
Hempstead Lake	12255.1*	Max WS	8542.37	21.03	42.96		42.96	0.000012	0.55	15869.11	951.15	0.02
Hempstead Lake	12246.4*	Max WS	8539.86	21.01	42.96		42.96	0.000012	0.57	15565.71	939.30	0.02
Hempstead Lake	12237.7*	Max WS	8537.38	21.00	42.96		42.96	0.000013	0.58	15263.73	927.08	0.02
Hempstead Lake	12229.1*	Max WS	8534.93	20.99	42.96		42.96	0.000013	0.59	14963.67	914.95	0.02
Hempstead Lake	12220.4*	Max WS	8532.52	20.97	42.95		42.96	0.000014	0.60	14664.59	902.41	0.02
Hempstead Lake	12211.7*	Max WS	8530.14	20.96	42.95		42.96	0.000014	0.61	14368.85	890.00	0.02
Hempstead Lake	12203.0*	Max WS	8527.77	20.94	42.95		42.96	0.000014	0.63	14074.05	877.26	0.03
Hempstead Lake	12194.3*	Max WS	8525.43	20.93	42.95		42.96	0.000015	0.64	13781.31	864.60	0.03
Hempstead Lake	12185.6*	Max WS	8523.13	20.91	42.95		42.96	0.000015	0.66	13491.19	851.78	0.03
Hempstead Lake	12176.9*	Max WS	8520.86	20.90	42.95		42.96	0.000016	0.67	13202.04	838.58	0.03
Hempstead Lake	12168.2*	Max WS	8518.62	20.89	42.95		42.96	0.000016	0.69	12915.17	825.42	0.03
Hempstead Lake	12159.5*	Max WS	8516.42	20.87	42.95		42.96	0.000017	0.70	12629.98	811.93	0.03
Hempstead Lake	12150.8*	Max WS	8514.26	20.86	42.95		42.96	0.000017	0.72	12346.17	798.54	0.03
Hempstead Lake	12142.1*	Max WS	8512.13	20.84	42.95		42.96	0.000015	0.74	12064.35	784.86	0.03
Hempstead Lake	12133.5*	Max WS	8510.04	20.83	42.95		42.96	0.000016	0.76	11784.55	771.09	0.03
Hempstead Lake	12124.8*	Max WS	8507.99	20.81	42.95		42.96	0.000016	0.78	11506.72	757.35	0.03
Hempstead Lake	12116.1*	Max WS	8505.98	20.80	42.95		42.96	0.000017	0.80	11229.63	743.38	0.03
Hempstead Lake	12107.4*	Max WS	8504.00	20.79	42.95		42.96	0.000017	0.82	10954.39	729.27	0.03
Hempstead Lake	12098.7*	Max WS	8502.06	20.77	42.95		42.96	0.000017	0.84	10681.31	715.08	0.04
Hempstead Lake	12090.0*	Max WS	8500.16	20.76	42.95		42.96	0.000018	0.87	10409.52	700.80	0.04
Hempstead Lake	12081.3*	Max WS	8498.30	20.74	42.95		42.96	0.000018	0.89	10139.95	686.45	0.04
Hempstead Lake	12072.6*	Max WS	8496.48	20.73	42.95		42.96	0.000019	0.92	9870.67	671.96	0.04
Hempstead Lake	12063.9*	Max WS	8494.70	20.71	42.94		42.96	0.000019	0.95	9603.77	657.38	0.04
Hempstead Lake	12055.2*	Max WS	8492.95	20.70	42.94		42.96	0.000019	0.98	9338.93	642.85	0.04
Hempstead Lake	12046.5*	Max WS	8491.24	20.69	42.94		42.96	0.000020	1.01	9074.42	628.18	0.04
Hempstead Lake	12037.9*	Max WS	8489.56	20.67	42.94		42.96	0.000020	1.04	8813.02	613.36	0.04
Hempstead Lake	12029.2*	Max WS	8487.92	20.66	42.94		42.96	0.000021	1.07	8551.56	598.53	0.05
Hempstead Lake	12020.5*	Max WS	8486.32	20.64	42.94		42.96	0.000021	1.11	8292.34	583.11	0.05
Hempstead Lake	12011.8*	Max WS	8484.77	20.63	42.94		42.96	0.000022	1.15	8034.39	567.51	0.05
Hempstead Lake	12003.1*	Max WS	8483.25	20.61	42.94		42.96	0.000022	1.19	7777.58	551.94	0.05
Hempstead Lake	11994.45	Max WS	8481.78	20.60	42.94		42.96	0.000061	1.20	7522.81	536.18	0.05
Hempstead Lake	11989.45	Max WS	8542.01	19.90	42.93		42.96	0.000070	1.27	7204.56	535.87	0.06
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	3548.05	19.90	38.98		39.54	0.000417	6.02	588.98	469.28	0.26
Hempstead Lake	11964.45	Max WS	10070.17	20.15	40.17		40.23	0.000211	1.94	5514.86	488.09	0.09
Hempstead Lake	11954.6*	Max WS	10069.99	20.12	40.17		40.23	0.000080	2.02	5453.66	496.14	0.10
Hempstead Lake	11944.8*	Max WS	10069.79	20.08	40.17		40.23	0.000086	2.05	5397.60	505.26	0.10
Hempstead Lake	11934.9*	Max WS	10069.58	20.05	40.16		40.23	0.000092	2.08	5346.29	516.49	0.10
Hempstead Lake	11925.1*	Max WS	10069.33	20.01	40.16		40.23	0.000099	2.10	5301.57	527.92	0.11
Hempstead Lake	11915.3*	Max WS	10069.03	19.98	40.16		40.23	0.000158	2.11	5263.02	539.79	0.11

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	10068.66	19.94	40.16		40.22	0.000164	2.14	5229.82	550.87	0.11
Hempstead Lake	11895.6*	Max WS	10068.20	19.91	40.15		40.22	0.000170	2.16	5202.35	562.55	0.11
Hempstead Lake	11885.8*	Max WS	10067.62	19.87	40.15		40.22	0.000176	2.19	5182.02	574.92	0.11
Hempstead Lake	11876.0*	Max WS	10066.89	19.84	40.15		40.22	0.000182	2.22	5169.48	587.35	0.12
Hempstead Lake	11866.2*	Max WS	10065.96	19.80	40.15		40.22	0.000188	2.24	5163.63	600.42	0.12
Hempstead Lake	11856.4*	Max WS	10056.63	19.77	40.14		40.22	0.000193	2.26	5164.37	604.50	0.12
Hempstead Lake	11846.5*	Max WS	10054.37	19.73	40.14		40.22	0.000198	2.28	5166.70	606.16	0.12
Hempstead Lake	11836.7*	Max WS	10051.73	19.70	40.14		40.21	0.000203	2.29	5169.67	607.82	0.12
Hempstead Lake	11826.9*	Max WS	10048.63	19.66	40.14		40.21	0.000162	2.34	5173.03	609.47	0.13
Hempstead Lake	11817.1*	Max WS	10044.93	19.63	40.13		40.21	0.000168	2.35	5178.26	611.13	0.13
Hempstead Lake	11807.2*	Max WS	10040.52	19.59	40.13		40.21	0.000173	2.36	5185.98	612.78	0.13
Hempstead Lake	11797.46	Max WS	10035.22	19.56	40.13		40.21	0.000118	2.39	5193.36	614.44	0.13
Hempstead Lake	11792.46	Max WS	10031.53	19.56	40.13		40.21	0.000118	2.42	5153.44	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	10076.35	19.54	38.46		38.69	0.001150	4.02	2793.42	614.44	0.32
Hempstead Lake	11627.46	Max WS	10076.13	19.54	38.47		38.68	0.000971	3.86	2894.46	614.44	0.30
Hempstead Lake	11623.2*	Max WS	10075.98	19.43	38.50		38.67	0.002102	3.49	3106.25	645.38	0.27
Hempstead Lake	11619.1*	Max WS	10075.84	19.31	38.51		38.66	0.001825	3.31	3302.73	676.31	0.25
Hempstead Lake	11614.94	Max WS	10075.72	19.20	38.50		38.66	0.000610	3.34	3485.12	707.25	0.25
Hempstead Lake	11612.94	Max WS	10075.67	19.20	38.50		38.66	0.000577	3.29	3526.27	707.25	0.25
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	1852.61	19.20	36.12		36.13	0.000051	1.00	2041.91	693.23	0.10
Hempstead Lake	11598.94	Max WS	1854.60	19.20	36.13		36.14	0.000050	0.96	2136.42	694.32	0.09
Hempstead Lake	11573.9*	Max WS	1854.49	19.18	36.13		36.14	0.000019	0.73	2854.67	768.63	0.06
Hempstead Lake	11548.9*	Max WS	1854.42	19.15	36.13		36.14	0.000012	0.58	3620.51	842.48	0.04
Hempstead Lake	11523.9*	Max WS	1854.35	19.12	36.13		36.14	0.000009	0.48	4433.52	917.91	0.03
Hempstead Lake	11498.9*	Max WS	1854.29	19.10	36.14		36.14	0.000007	0.41	5293.30	994.73	0.03
Hempstead Lake	11473.9*	Max WS	1854.24	19.08	36.14		36.14	0.000005	0.35	6200.44	1072.41	0.02
Hempstead Lake	11448.9*	Max WS	1854.19	19.05	36.14		36.14	0.000004	0.30	7152.15	1150.58	0.02
Hempstead Lake	11423.9*	Max WS	1854.15	19.02	36.14		36.14	0.000003	0.26	8150.65	1229.18	0.01
Hempstead Lake	11398.9*	Max WS	1854.11	19.00	36.14		36.14	0.000003	0.22	9195.59	1303.77	0.01
Hempstead Lake	11373.9*	Max WS	1854.07	18.98	36.14		36.14	0.000002	0.20	10287.60	1375.05	0.01
Hempstead Lake	11349.*	Max WS	1854.03	18.95	36.14		36.14	0.000002	0.17	11426.20	1446.65	0.01
Hempstead Lake	11324.*	Max WS	1854.00	18.92	36.14		36.14	0.000001	0.15	12614.45	1518.93	0.01
Hempstead Lake	11299.0*	Max WS	1853.97	18.90	36.14		36.14	0.000001	0.13	13845.99	1590.60	0.01
Hempstead Lake	11274.0*	Max WS	1853.94	18.88	36.14		36.14	0.000001	0.12	15127.67	1662.90	0.01
Hempstead Lake	11249.0*	Max WS	1851.03	18.85	36.14		36.14	0.000001	0.10	16455.70	1735.23	0.00
Hempstead Lake	11224.0*	Max WS	1853.90	18.83	36.14		36.14	0.000000	0.09	17835.20	1750.86	0.00
Hempstead Lake	11199.0*	Max WS	1853.85	18.80	36.14		36.14	0.000000	0.08	19263.77	1810.94	0.00
Hempstead Lake	11174.0*	Max WS	1853.81	18.77	36.14		36.14	0.000000	0.07	20742.21	1874.29	0.00
Hempstead Lake	11149.0*	Max WS	1853.78	18.75	36.14		36.14	0.000000	0.06	22269.19	1937.89	0.00
Hempstead Lake	11124.0*	Max WS	1853.74	18.73	36.14		36.14	0.000000	0.05	23844.31	2002.36	0.00
Hempstead Lake	11099.0*	Max WS	1853.70	18.70	36.14		36.14	0.000000	0.05	25465.74	2072.25	0.00
Hempstead Lake	11074.0*	Max WS	1853.67	18.67	36.14		36.14	0.000000	0.04	27138.29	2141.96	0.00
Hempstead Lake	11049.07	Max WS	1853.64	18.65	36.14		36.14	0.000000	0.07	28855.21	2211.89	0.00
Hempstead Lake	11038.4*	Max WS	1853.62	18.61	36.14		36.14	0.000000	0.04	28151.86	2186.31	0.00
Hempstead Lake	11027.7*	Max WS	1853.60	18.58	36.14		36.14	0.000000	0.04	27467.29	2160.62	0.00
Hempstead Lake	11017.0*	Max WS	1845.27	18.54	36.14		36.14	0.000000	0.04	26798.26	2135.00	0.00
Hempstead Lake	11006.4*	Max WS	1853.57	18.50	36.14		36.14	0.000000	0.05	26145.55	2109.42	0.00
Hempstead Lake	10995.7*	Max WS	1844.52	18.47	36.14		36.14	0.000000	0.05	25513.91	2083.72	0.00
Hempstead Lake	10985.0*	Max WS	1853.54	18.43	36.14		36.14	0.000000	0.05	24898.42	2059.85	0.00
Hempstead Lake	10974.4*	Max WS	1853.52	18.39	36.14		36.14	0.000000	0.06	24299.49	2036.11	0.00
Hempstead Lake	10963.7*	Max WS	1843.42	18.35	36.14		36.14	0.000000	0.06	23719.62	2012.38	0.00
Hempstead Lake	10953.1*	Max WS	1853.49	18.32	36.14		36.14	0.000000	0.06	23157.47	1982.78	0.00
Hempstead Lake	10942.4*	Max WS	1853.47	18.28	36.14		36.14	0.000000	0.07	22619.45	1869.40	0.00
Hempstead Lake	10931.7*	Max WS	1853.46	18.24	36.14		36.14	0.000000	0.07	22111.22	1776.29	0.00
Hempstead Lake	10921.1*	Max WS	1853.44	18.21	36.14		36.14	0.000000	0.08	21626.88	1756.60	0.00
Hempstead Lake	10910.4*	Max WS	1841.75	18.17	36.14		36.14	0.000000	0.08	21160.00	1737.11	0.00
Hempstead Lake	10899.7*	Max WS	1841.44	18.13	36.14		36.14	0.000000	0.08	20705.33	1717.69	0.00
Hempstead Lake	10889.1*	Max WS	1853.41	18.10	36.14		36.14	0.000000	0.09	20268.44	1698.77	0.00
Hempstead Lake	10878.4*	Max WS	1840.82	18.06	36.14		36.14	0.000000	0.09	19846.30	1679.65	0.00
Hempstead Lake	10867.8*	Max WS	1853.38	18.02	36.14		36.14	0.000000	0.09	19440.70	1660.53	0.00
Hempstead Lake	10857.1*	Max WS	1853.37	17.99	36.14		36.14	0.000000	0.10	19049.68	1641.68	0.00
Hempstead Lake	10846.4*	Max WS	1839.91	17.95	36.14		36.14	0.000000	0.10	18676.71	1622.83	0.00
Hempstead Lake	10835.8*	Max WS	1839.61	17.91	36.14		36.14	0.000000	0.10	18316.93	1604.04	0.00
Hempstead Lake	10825.1*	Max WS	1853.35	17.88	36.14		36.14	0.000000	0.11	17974.08	1585.49	0.01
Hempstead Lake	10814.4*	Max WS	1839.02	17.84	36.14		36.14	0.000000	0.11	17647.66	1566.82	0.01
Hempstead Lake	10803.8*	Max WS	1853.34	17.80	36.14		36.14	0.000000	0.11	17335.38	1548.30	0.01
Hempstead Lake	10793.1*	Max WS	1853.32	17.76	36.14		36.14	0.000000	0.12	17040.84	1529.79	0.01
Hempstead Lake	10782.4*	Max WS	1838.17	17.73	36.14		36.14	0.000000	0.12	16759.80	1511.35	0.01
Hempstead Lake	10771.8*	Max WS	1837.90	17.69	36.13		36.14	0.000000	0.12	16495.56	1493.08	0.01
Hempstead Lake	10761.1*	Max WS	1853.31	17.65	36.13		36.14	0.000000	0.12	16248.37	1474.82	0.01
Hempstead Lake	10750.5*	Max WS	1837.36	17.62	36.13		36.13	0.000000	0.12	16014.05	1456.58	0.01
Hempstead Lake	10739.8*	Max WS	1837.10	17.58	36.13		36.13	0.000000	0.13	15796.38	1438.43	0.01
Hempstead Lake	10729.1*	Max WS	1836.83	17.54	36.13		36.13	0.000000	0.13	15594.97	1420.35	0.01
Hempstead Lake	10718.5*	Max WS	1853.29	17.51	36.13		36.13	0.000000	0.13	15406.94	1402.40	0.01
Hempstead Lake	10707.8*	Max WS	1836.33	17.47	36.13		36.13	0.000000	0.13	15237.55	1384.65	0.01
Hempstead Lake	10697.1*	Max WS	1853.29	17.43	36.13		36.13	0.000000	0.13	15081.08	1366.82	0.01
Hempstead Lake	10686.5*	Max WS	1835.83	17.40	36.13		36.13	0.000000	0.13	14941.97	1349.18	0.01
Hempstead Lake	10675.8*	Max WS	1853.27	17.36	36.13		36.13	0.000000	0.13	14816.91	1330.74	0.01
Hempstead Lake	10665.2*	Max WS	1853.27	17.32	36.13		36.13	0.000000	0.13	14707.63	1312.78	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	1853.26	17.29	36.13		36.13	0.000000	0.13	14613.32	1295.00	0.01
Hempstead Lake	10643.8*	Max WS	1834.88	17.25	36.13		36.13	0.000000	0.13	14535.01	1277.73	0.01
Hempstead Lake	10633.2*	Max WS	1834.64	17.21	36.13		36.13	0.000000	0.13	14471.67	1260.75	0.01
Hempstead Lake	10622.5*	Max WS	1834.41	17.17	36.13		36.13	0.000000	0.13	14423.18	1244.01	0.01
Hempstead Lake	10611.8*	Max WS	1834.18	17.14	36.13		36.13	0.000000	0.13	14388.82	1227.80	0.01
Hempstead Lake	10601.2*	Max WS	1833.95	17.10	36.13		36.13	0.000000	0.13	14369.93	1212.15	0.01
Hempstead Lake	10590.5*	Max WS	1853.27	17.06	36.13		36.13	0.000000	0.13	14365.01	1196.69	0.01
Hempstead Lake	10579.8*	Max WS	1833.52	17.03	36.13		36.13	0.000000	0.13	14375.19	1181.46	0.01
Hempstead Lake	10569.23	Max WS	1833.30	16.99	36.13		36.13	0.000000	0.13	14399.18	1166.43	0.01
Hempstead Lake	10549.1*	Max WS	1833.09	16.96	36.13		36.13	0.000000	0.13	14438.74	1163.01	0.01
Hempstead Lake	10529.0*	Max WS	1832.88	16.94	36.13		36.13	0.000000	0.13	14480.17	1159.43	0.01
Hempstead Lake	10508.9*	Max WS	1832.67	16.91	36.13		36.13	0.000000	0.13	14521.00	1155.97	0.01
Hempstead Lake	10488.7*	Max WS	1853.28	16.89	36.13		36.13	0.000000	0.13	14561.05	1152.32	0.01
Hempstead Lake	10468.6*	Max WS	1832.26	16.86	36.13		36.13	0.000000	0.13	14603.71	1148.61	0.01
Hempstead Lake	10448.5*	Max WS	1832.06	16.83	36.13		36.13	0.000000	0.13	14647.28	1143.41	0.01
Hempstead Lake	10428.4*	Max WS	1831.86	16.81	36.13		36.13	0.000000	0.12	14689.20	1138.10	0.01
Hempstead Lake	10408.3*	Max WS	1831.66	16.78	36.13		36.13	0.000000	0.12	14734.45	1131.38	0.01
Hempstead Lake	10388.2*	Max WS	1831.48	16.76	36.13		36.13	0.000000	0.12	14777.94	1125.16	0.01
Hempstead Lake	10368.1*	Max WS	1831.29	16.73	36.13		36.13	0.000000	0.12	14825.12	1119.81	0.01
Hempstead Lake	10348.0*	Max WS	1831.10	16.71	36.13		36.13	0.000000	0.12	14870.37	1114.92	0.01
Hempstead Lake	10327.9*	Max WS	1830.92	16.68	36.13		36.13	0.000000	0.12	14917.35	1111.76	0.01
Hempstead Lake	10307.8*	Max WS	1830.74	16.65	36.13		36.13	0.000000	0.12	14965.90	1108.87	0.01
Hempstead Lake	10287.7*	Max WS	1830.57	16.63	36.13		36.13	0.000000	0.12	15014.19	1106.03	0.01
Hempstead Lake	10267.6*	Max WS	1830.40	16.60	36.13		36.13	0.000000	0.12	15063.59	1103.22	0.01
Hempstead Lake	10247.4*	Max WS	1830.22	16.58	36.13		36.13	0.000000	0.12	15111.75	1100.48	0.01
Hempstead Lake	10227.3*	Max WS	1830.05	16.55	36.13		36.13	0.000000	0.12	15161.81	1097.90	0.01
Hempstead Lake	10207.2*	Max WS	1829.88	16.52	36.13		36.13	0.000000	0.12	15213.85	1095.41	0.01
Hempstead Lake	10187.1*	Max WS	1829.73	16.50	36.13		36.13	0.000000	0.12	15263.90	1092.90	0.01
Hempstead Lake	10167.0*	Max WS	1829.56	16.47	36.13		36.13	0.000000	0.12	15316.43	1090.44	0.01
Hempstead Lake	10146.9*	Max WS	1829.41	16.45	36.13		36.13	0.000000	0.12	15367.43	1088.24	0.01
Hempstead Lake	10126.8*	Max WS	1829.26	16.42	36.13		36.13	0.000000	0.12	15423.21	1085.97	0.01
Hempstead Lake	10106.7*	Max WS	1829.11	16.40	36.13		36.13	0.000000	0.12	15478.09	1129.76	0.01
Hempstead Lake	10086.6*	Max WS	1828.96	16.37	36.13		36.13	0.000000	0.12	15544.52	1166.34	0.01
Hempstead Lake	10066.5*	Max WS	1828.81	16.34	36.13		36.13	0.000000	0.12	15615.61	1176.37	0.01
Hempstead Lake	10046.4*	Max WS	1828.66	16.32	36.13		36.13	0.000000	0.12	15688.81	1187.72	0.01
Hempstead Lake	10026.2*	Max WS	1828.51	16.29	36.13		36.13	0.000000	0.12	15766.46	1199.27	0.01
Hempstead Lake	10006.1*	Max WS	1828.37	16.27	36.13		36.13	0.000000	0.12	15846.27	1210.87	0.01
Hempstead Lake	9986.073	Max WS	1828.23	16.24	36.13		36.13	0.000000	0.12	15930.41	1222.17	0.01
Hempstead Lake	9965.77*	Max WS	1828.08	16.21	36.13		36.13	0.000000	0.12	15918.68	1221.34	0.01
Hempstead Lake	9945.47*	Max WS	1827.94	16.19	36.13		36.13	0.000000	0.12	15903.49	1218.67	0.01
Hempstead Lake	9925.18*	Max WS	1827.80	16.16	36.13		36.13	0.000000	0.12	15888.59	1215.33	0.01
Hempstead Lake	9904.88*	Max WS	1827.67	16.13	36.13		36.13	0.000000	0.12	15873.06	1211.11	0.01
Hempstead Lake	9884.59*	Max WS	1827.55	16.11	36.13		36.13	0.000000	0.12	15854.84	1209.06	0.01
Hempstead Lake	9864.29*	Max WS	1827.42	16.08	36.13		36.13	0.000000	0.12	15838.73	1206.63	0.01
Hempstead Lake	9843.99*	Max WS	1827.30	16.05	36.13		36.13	0.000000	0.12	15820.92	1202.67	0.01
Hempstead Lake	9823.7*	Max WS	1827.18	16.03	36.13		36.13	0.000000	0.12	15802.56	1197.22	0.01
Hempstead Lake	9803.40*	Max WS	1827.06	16.00	36.13		36.13	0.000000	0.12	15783.31	1184.12	0.01
Hempstead Lake	9783.10*	Max WS	1826.95	15.97	36.13		36.13	0.000000	0.12	15767.71	1118.42	0.01
Hempstead Lake	9762.81*	Max WS	1826.85	15.95	36.13		36.13	0.000000	0.12	15754.02	1101.48	0.01
Hempstead Lake	9742.51*	Max WS	1826.76	15.92	36.13		36.13	0.000000	0.12	15741.94	1082.54	0.01
Hempstead Lake	9722.21*	Max WS	1826.66	15.89	36.13		36.13	0.000000	0.12	15730.71	1061.79	0.01
Hempstead Lake	9701.92*	Max WS	1826.57	15.87	36.13		36.13	0.000000	0.12	15719.64	1050.45	0.01
Hempstead Lake	9681.62*	Max WS	1826.48	15.84	36.13		36.13	0.000000	0.12	15707.95	1047.91	0.01
Hempstead Lake	9661.32*	Max WS	1826.40	15.81	36.12		36.13	0.000000	0.12	15697.32	1045.39	0.01
Hempstead Lake	9641.03*	Max WS	1826.32	15.79	36.12		36.12	0.000000	0.12	15684.00	1042.69	0.01
Hempstead Lake	9620.73*	Max WS	1826.24	15.76	36.12		36.12	0.000000	0.12	15670.94	1039.78	0.01
Hempstead Lake	9600.43*	Max WS	1826.16	15.73	36.12		36.12	0.000000	0.12	15656.03	1036.96	0.01
Hempstead Lake	9580.14*	Max WS	1826.08	15.71	36.12		36.12	0.000000	0.12	15640.67	1034.12	0.01
Hempstead Lake	9559.84*	Max WS	1826.01	15.68	36.12		36.12	0.000000	0.12	15624.92	1032.61	0.01
Hempstead Lake	9539.54*	Max WS	1825.94	15.66	36.12		36.12	0.000000	0.12	15607.66	1031.68	0.01
Hempstead Lake	9519.25*	Max WS	1825.88	15.63	36.12		36.12	0.000000	0.12	15589.61	1030.04	0.01
Hempstead Lake	9498.95*	Max WS	1825.81	15.60	36.12		36.12	0.000000	0.12	15573.17	1026.68	0.01
Hempstead Lake	9478.65*	Max WS	1825.74	15.58	36.12		36.12	0.000000	0.12	15553.38	1023.56	0.01
Hempstead Lake	9458.36*	Max WS	1825.68	15.55	36.12		36.12	0.000000	0.12	15534.17	1021.54	0.01
Hempstead Lake	9438.06*	Max WS	1825.62	15.52	36.12		36.12	0.000000	0.12	15512.36	1019.45	0.01
Hempstead Lake	9417.76*	Max WS	1825.55	15.50	36.12		36.12	0.000000	0.12	15491.54	1017.45	0.01
Hempstead Lake	9397.47*	Max WS	1825.49	15.47	36.12		36.12	0.000000	0.12	15468.86	1015.28	0.01
Hempstead Lake	9377.17*	Max WS	1825.43	15.44	36.12		36.12	0.000000	0.12	15447.44	1013.14	0.01
Hempstead Lake	9356.87*	Max WS	1825.38	15.42	36.12		36.12	0.000000	0.12	15421.32	1011.00	0.01
Hempstead Lake	9336.58*	Max WS	1825.32	15.39	36.12		36.12	0.000000	0.12	15398.02	1008.82	0.01
Hempstead Lake	9316.28*	Max WS	1825.26	15.36	36.12		36.12	0.000000	0.12	15373.15	1006.40	0.01
Hempstead Lake	9295.98*	Max WS	1825.21	15.34	36.12		36.12	0.000000	0.12	15346.43	1004.22	0.01
Hempstead Lake	9275.69*	Max WS	1825.15	15.31	36.12		36.12	0.000000	0.12	15319.69	1001.97	0.01
Hempstead Lake	9255.39*	Max WS	1825.11	15.28	36.12		36.12	0.000000	0.12	15292.44	999.81	0.01
Hempstead Lake	9235.09*	Max WS	1825.06	15.26	36.12		36.12	0.000000	0.12	15262.52	997.49	0.01
Hempstead Lake	9214.80*	Max WS	1825.01	15.23	36.12		36.12	0.000000	0.12	15235.21	995.33	0.01
Hempstead Lake	9194.50*	Max WS	1824.96	15.20	36.12		36.12	0.000000	0.12	15203.81	992.83	0.01
Hempstead Lake	9174.20*	Max WS	1824.92	15.18	36.12		36.12	0.000000	0.12	15172.22	990.71	0.01
Hempstead Lake	9153.910	Max WS	1824.86	15.15	36.12		36.12	0.000000	0.12	15141.68	988.34	0.01
Hempstead Lake	9133.22*	Max WS	1869.75	15.12	36.12		36.12	0.000000	0.13	15191.81	995.13	0.01
Hempstead Lake	9112.54*	Max WS	1869.70	15.10	36.12		36.12	0.000000	0.13	15237.52	1002.05	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	1869.65	15.07	36.12		36.12	0.000000	0.13	15286.17	1009.28	0.01
Hempstead Lake	9071.17*	Max WS	1869.60	15.05	36.12		36.12	0.000000	0.13	15331.66	1016.65	0.01
Hempstead Lake	9050.49*	Max WS	1869.55	15.02	36.12		36.12	0.000000	0.13	15376.48	1024.07	0.01
Hempstead Lake	9029.80*	Max WS	1869.51	15.00	36.12		36.12	0.000000	0.12	15419.60	1031.70	0.01
Hempstead Lake	9009.12*	Max WS	1869.47	14.97	36.12		36.12	0.000000	0.12	15462.80	1039.40	0.01
Hempstead Lake	8988.44*	Max WS	1869.42	14.95	36.12		36.12	0.000000	0.12	15504.35	1047.16	0.01
Hempstead Lake	8967.75*	Max WS	1869.37	14.92	36.12		36.12	0.000000	0.12	15545.05	1055.13	0.01
Hempstead Lake	8947.07*	Max WS	1869.32	14.90	36.12		36.12	0.000000	0.12	15584.31	1063.25	0.01
Hempstead Lake	8926.39*	Max WS	1869.27	14.87	36.12		36.12	0.000000	0.12	15622.96	1071.60	0.01
Hempstead Lake	8905.70*	Max WS	1869.22	14.85	36.12		36.12	0.000000	0.12	15661.17	1079.99	0.01
Hempstead Lake	8885.02*	Max WS	1869.17	14.82	36.12		36.12	0.000000	0.12	15697.83	1088.75	0.01
Hempstead Lake	8864.33*	Max WS	1869.12	14.80	36.12		36.12	0.000000	0.12	15732.64	1097.68	0.01
Hempstead Lake	8843.65*	Max WS	1869.07	14.77	36.12		36.12	0.000000	0.12	15768.36	1106.98	0.01
Hempstead Lake	8822.97*	Max WS	1869.02	14.75	36.12		36.12	0.000000	0.12	15801.56	1116.63	0.01
Hempstead Lake	8802.28*	Max WS	1868.98	14.72	36.12		36.12	0.000000	0.12	15834.29	1126.45	0.01
Hempstead Lake	8781.60*	Max WS	1868.94	14.70	36.12		36.12	0.000000	0.12	15867.02	1137.40	0.01
Hempstead Lake	8760.92*	Max WS	1868.89	14.67	36.12		36.12	0.000000	0.12	15898.91	1155.22	0.01
Hempstead Lake	8740.23*	Max WS	1868.85	14.65	36.12		36.12	0.000000	0.12	15932.20	1184.69	0.01
Hempstead Lake	8719.55*	Max WS	1868.80	14.62	36.12		36.12	0.000000	0.12	15965.26	1219.04	0.01
Hempstead Lake	8698.86*	Max WS	1868.76	14.60	36.11		36.12	0.000000	0.12	16004.15	1272.14	0.01
Hempstead Lake	8678.18*	Max WS	1868.71	14.57	36.11		36.11	0.000000	0.12	16047.54	1328.47	0.01
Hempstead Lake	8657.50*	Max WS	1868.67	14.55	36.11		36.11	0.000000	0.12	16092.94	1362.34	0.01
Hempstead Lake	8636.81*	Max WS	1868.63	14.52	36.11		36.11	0.000000	0.12	16143.69	1413.38	0.01
Hempstead Lake	8616.13*	Max WS	1868.58	14.50	36.11		36.11	0.000000	0.12	16197.18	1467.52	0.01
Hempstead Lake	8595.45*	Max WS	1868.54	14.47	36.11		36.11	0.000000	0.12	16257.29	1501.08	0.01
Hempstead Lake	8574.76*	Max WS	1868.50	14.45	36.11		36.11	0.000000	0.12	16314.58	1519.84	0.01
Hempstead Lake	8554.08*	Max WS	1868.46	14.42	36.11		36.11	0.000000	0.12	16373.58	1543.64	0.01
Hempstead Lake	8533.39*	Max WS	1868.43	14.40	36.11		36.11	0.000000	0.12	16434.60	1568.12	0.01
Hempstead Lake	8512.71*	Max WS	1834.23	14.37	36.11		36.11	0.000000	0.12	16494.78	1591.98	0.01
Hempstead Lake	8492.03*	Max WS	1868.38	14.35	36.11		36.11	0.000000	0.12	16557.60	1613.20	0.01
Hempstead Lake	8471.34*	Max WS	1834.06	14.32	36.11		36.11	0.000000	0.12	16620.55	1635.25	0.01
Hempstead Lake	8450.66*	Max WS	1833.98	14.30	36.11		36.11	0.000000	0.12	16683.65	1656.32	0.01
Hempstead Lake	8429.980	Max WS	1833.91	14.27	36.11		36.11	0.000000	0.12	16746.18	1676.91	0.01
Hempstead Lake	8416.34*	Max WS	1833.88	14.25	36.11		36.11	0.000000	0.11	16837.20	1686.42	0.01
Hempstead Lake	8402.71*	Max WS	1833.85	14.23	36.11		36.11	0.000000	0.11	16929.79	1697.31	0.01
Hempstead Lake	8389.07*	Max WS	1833.83	14.21	36.11		36.11	0.000000	0.11	17021.73	1709.23	0.00
Hempstead Lake	8375.44*	Max WS	1833.82	14.19	36.11		36.11	0.000000	0.11	17117.69	1719.66	0.00
Hempstead Lake	8361.81*	Max WS	1833.80	14.16	36.11		36.11	0.000000	0.11	17210.92	1731.53	0.00
Hempstead Lake	8348.17*	Max WS	1799.34	14.14	36.11		36.11	0.000000	0.11	17306.73	1741.26	0.00
Hempstead Lake	8334.54*	Max WS	1833.79	14.12	36.11		36.11	0.000000	0.11	17400.60	1750.37	0.00
Hempstead Lake	8320.91*	Max WS	1799.28	14.10	36.11		36.11	0.000000	0.11	17496.57	1759.22	0.00
Hempstead Lake	8307.27*	Max WS	1799.27	14.08	36.11		36.11	0.000000	0.11	17591.97	1769.80	0.00
Hempstead Lake	8293.64*	Max WS	1764.96	14.06	36.11		36.11	0.000000	0.10	17691.26	1781.29	0.00
Hempstead Lake	8280.00*	Max WS	1764.92	14.04	36.11		36.11	0.000000	0.10	17787.94	1793.35	0.00
Hempstead Lake	8266.37*	Max WS	1764.90	14.02	36.11		36.11	0.000000	0.10	17883.61	1806.18	0.00
Hempstead Lake	8252.74*	Max WS	1799.24	13.99	36.11		36.11	0.000000	0.10	17982.10	1819.97	0.00
Hempstead Lake	8239.10*	Max WS	1764.86	13.97	36.11		36.11	0.000000	0.10	18080.32	1833.61	0.00
Hempstead Lake	8225.47*	Max WS	1730.75	13.95	36.11		36.11	0.000000	0.10	18182.11	1845.47	0.00
Hempstead Lake	8211.84*	Max WS	1730.71	13.93	36.11		36.11	0.000000	0.10	18282.39	1858.71	0.00
Hempstead Lake	8198.20*	Max WS	1730.68	13.91	36.11		36.11	0.000000	0.10	18385.10	1871.90	0.00
Hempstead Lake	8184.57*	Max WS	1730.66	13.89	36.11		36.11	0.000000	0.10	18486.52	1885.26	0.00
Hempstead Lake	8170.93*	Max WS	1730.64	13.87	36.11		36.11	0.000000	0.10	18589.40	1901.30	0.00
Hempstead Lake	8157.30*	Max WS	1730.62	13.85	36.11		36.11	0.000000	0.10	18692.21	1923.98	0.00
Hempstead Lake	8143.67*	Max WS	1696.56	13.82	36.11		36.11	0.000000	0.09	18799.87	1942.55	0.00
Hempstead Lake	8130.03*	Max WS	1696.50	13.80	36.11		36.11	0.000000	0.09	18904.50	1968.64	0.00
Hempstead Lake	8116.40*	Max WS	1730.58	13.78	36.11		36.11	0.000000	0.09	19014.79	1996.32	0.00
Hempstead Lake	8102.76*	Max WS	1696.41	13.76	36.11		36.11	0.000000	0.09	19122.71	2014.96	0.00
Hempstead Lake	8089.13*	Max WS	1730.57	13.74	36.11		36.11	0.000000	0.09	19231.31	2033.40	0.00
Hempstead Lake	8075.50*	Max WS	1696.31	13.72	36.11		36.11	0.000000	0.09	19344.26	1976.00	0.00
Hempstead Lake	8061.86*	Max WS	1696.27	13.70	36.11		36.11	0.000000	0.09	19460.61	1980.05	0.00
Hempstead Lake	8048.23*	Max WS	1696.22	13.68	36.11		36.11	0.000000	0.09	19578.56	1993.70	0.00
Hempstead Lake	8034.6*	Max WS	1696.18	13.65	36.11		36.11	0.000000	0.09	19699.74	2012.02	0.00
Hempstead Lake	8020.96*	Max WS	1696.14	13.63	36.11		36.11	0.000000	0.09	19826.18	2053.54	0.00
Hempstead Lake	8007.33*	Max WS	1696.12	13.61	36.11		36.11	0.000000	0.09	19953.75	2090.91	0.00
Hempstead Lake	7993.69*	Max WS	2385.93	13.59	36.11		36.11	0.000000	0.12	20087.54	2141.27	0.01
Hempstead Lake	7980.06*	Max WS	2450.17	13.57	36.11		36.11	0.000000	0.13	20224.19	2194.50	0.01
Hempstead Lake	7966.43*	Max WS	2518.11	13.55	36.11		36.11	0.000000	0.13	20366.73	2234.29	0.01
Hempstead Lake	7952.79*	Max WS	2579.31	13.53	36.11		36.11	0.000000	0.13	20512.13	2281.25	0.01
Hempstead Lake	7939.16*	Max WS	2569.34	13.51	36.11		36.11	0.000000	0.13	20661.47	2315.23	0.01
Hempstead Lake	7925.53*	Max WS	2531.49	13.48	36.11		36.11	0.000000	0.13	20815.10	2349.66	0.01
Hempstead Lake	7911.89*	Max WS	2487.67	13.46	36.11		36.11	0.000000	0.13	20970.81	2389.82	0.01
Hempstead Lake	7898.26*	Max WS	2431.50	13.44	36.11		36.11	0.000000	0.12	21143.37	2932.15	0.01
Hempstead Lake	7884.62*	Max WS	2136.77	13.42	36.11		36.11	0.000000	0.11	21344.22	2936.66	0.00
Hempstead Lake	7870.99*	Max WS	2104.83	13.40	36.11		36.11	0.000000	0.10	21543.05	2940.42	0.00
Hempstead Lake	7857.36*	Max WS	2104.82	13.38	36.11		36.11	0.000000	0.10	21747.01	2946.09	0.00
Hempstead Lake	7843.72*	Max WS	2104.80	13.36	36.11		36.11	0.000000	0.10	21949.99	2951.21	0.00
Hempstead Lake	7830.09*	Max WS	2104.77	13.34	36.11		36.11	0.000000	0.10	22155.79	2957.12	0.00
Hempstead Lake	7816.45*	Max WS	2072.34	13.31	36.11		36.11	0.000000	0.10	22364.96	2963.65	0.00
Hempstead Lake	7802.82*	Max WS	2039.47	13.29	36.11		36.11	0.000000	0.10	22567.50	2970.09	0.00
Hempstead Lake	7789.19*	Max WS	2039.46	13.27	36.11		36.11	0.000000	0.10	22778.57	2976.87	0.00
Hempstead Lake	7775.55*	Max WS	2006.26	13.25	36.11		36.11	0.000000	0.10	22984.25	2983.90	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	2006.24	13.23	36.11		36.11	0.000000	0.09	23195.25	2991.83	0.00
Hempstead Lake	7748.29*	Max WS	1972.71	13.21	36.11		36.11	0.000000	0.09	23405.42	2999.37	0.00
Hempstead Lake	7734.65*	Max WS	2006.20	13.19	36.11		36.11	0.000000	0.09	23617.91	3008.58	0.00
Hempstead Lake	7721.02*	Max WS	2006.17	13.17	36.11		36.11	0.000000	0.09	23835.01	3017.53	0.00
Hempstead Lake	7707.38*	Max WS	2006.12	13.14	36.11		36.11	0.000000	0.09	24044.94	3026.60	0.00
Hempstead Lake	7693.75*	Max WS	1972.65	13.12	36.11		36.11	0.000000	0.09	24262.35	3039.04	0.00
Hempstead Lake	7680.12*	Max WS	1938.90	13.10	36.11		36.11	0.000000	0.09	24475.96	3050.21	0.00
Hempstead Lake	7666.48*	Max WS	1972.57	13.08	36.11		36.11	0.000000	0.09	24698.30	3062.33	0.00
Hempstead Lake	7652.85*	Max WS	1938.87	13.06	36.11		36.11	0.000000	0.09	24912.27	3082.37	0.00
Hempstead Lake	7639.22*	Max WS	1904.97	13.04	36.11		36.11	0.000000	0.09	25136.84	3131.38	0.00
Hempstead Lake	7625.58*	Max WS	1904.96	13.02	36.11		36.11	0.000000	0.09	25362.50	3144.92	0.00
Hempstead Lake	7611.95*	Max WS	1938.78	13.00	36.11		36.11	0.000000	0.09	25583.15	3157.87	0.00
Hempstead Lake	7598.31*	Max WS	1904.94	12.97	36.11		36.11	0.000000	0.08	25809.93	3170.60	0.00
Hempstead Lake	7584.68*	Max WS	1938.67	12.95	36.11		36.11	0.000000	0.09	26036.35	3184.59	0.00
Hempstead Lake	7571.05*	Max WS	1904.92	12.93	36.11		36.11	0.000000	0.08	26267.05	3198.25	0.00
Hempstead Lake	7557.41*	Max WS	1871.04	12.91	36.11		36.11	0.000000	0.08	26494.08	3215.95	0.00
Hempstead Lake	7543.783	Max WS	1904.88	12.89	36.11		36.11	0.000000	0.08	26726.35	3241.99	0.00
Hempstead Lake	7530.03*	Max WS	1925.45	12.85	36.11		36.11	0.000000	0.08	26885.81	3274.33	0.00
Hempstead Lake	7516.28*	Max WS	1891.67	12.82	36.11		36.11	0.000000	0.08	27046.78	3305.88	0.00
Hempstead Lake	7502.53*	Max WS	1925.35	12.78	36.11		36.11	0.000000	0.08	27208.67	3316.68	0.00
Hempstead Lake	7488.79*	Max WS	1925.29	12.74	36.11		36.11	0.000000	0.08	27372.67	3323.45	0.00
Hempstead Lake	7475.04*	Max WS	1891.65	12.71	36.11		36.11	0.000000	0.08	27534.87	3330.33	0.00
Hempstead Lake	7461.29*	Max WS	1925.16	12.67	36.11		36.11	0.000000	0.08	27697.59	3337.28	0.00
Hempstead Lake	7447.54*	Max WS	1891.61	12.63	36.11		36.11	0.000000	0.08	27864.37	3345.36	0.00
Hempstead Lake	7433.79*	Max WS	1891.58	12.60	36.11		36.11	0.000000	0.08	28026.21	3352.63	0.00
Hempstead Lake	7420.04*	Max WS	1891.55	12.56	36.11		36.11	0.000000	0.08	28189.71	3360.54	0.00
Hempstead Lake	7406.3*	Max WS	1891.51	12.52	36.11		36.11	0.000000	0.08	28357.13	3368.26	0.00
Hempstead Lake	7392.55*	Max WS	1891.47	12.49	36.11		36.11	0.000000	0.08	28523.52	3377.03	0.00
Hempstead Lake	7378.80*	Max WS	1891.42	12.45	36.11		36.11	0.000000	0.08	28687.76	3387.17	0.00
Hempstead Lake	7365.05*	Max WS	1891.38	12.41	36.11		36.11	0.000000	0.08	28855.97	3398.35	0.00
Hempstead Lake	7351.30*	Max WS	1891.33	12.38	36.11		36.11	0.000000	0.08	29023.29	3410.36	0.00
Hempstead Lake	7337.55*	Max WS	1891.01	12.34	36.11		36.11	0.000000	0.08	29189.83	3422.17	0.00
Hempstead Lake	7323.81*	Max WS	1890.48	12.30	36.11		36.11	0.000000	0.08	29358.91	3434.37	0.00
Hempstead Lake	7310.06*	Max WS	1890.01	12.26	36.11		36.11	0.000000	0.08	29529.71	3448.20	0.00
Hempstead Lake	7296.31*	Max WS	1889.39	12.23	36.11		36.11	0.000000	0.08	29701.14	3461.15	0.00
Hempstead Lake	7282.56*	Max WS	1888.66	12.19	36.11		36.11	0.000000	0.08	29871.85	3475.33	0.00
Hempstead Lake	7268.81*	Max WS	1858.57	12.15	36.11		36.11	0.000000	0.08	30045.37	3489.77	0.00
Hempstead Lake	7255.06*	Max WS	1888.21	12.12	36.11		36.11	0.000000	0.08	30217.25	3504.58	0.00
Hempstead Lake	7241.32*	Max WS	1887.77	12.08	36.11		36.11	0.000000	0.08	30392.44	3520.79	0.00
Hempstead Lake	7227.57*	Max WS	1887.07	12.04	36.11		36.11	0.000000	0.07	38330.45	5294.40	0.00
Hempstead Lake	7213.82*	Max WS	1886.46	12.01	36.11		36.11	0.000000	0.07	38519.86	5316.20	0.00
Hempstead Lake	7200.07*	Max WS	1885.69	11.97	36.11		36.11	0.000000	0.07	38709.13	5340.53	0.00
Hempstead Lake	7186.32*	Max WS	1884.90	11.93	36.11		36.11	0.000000	0.07	38905.00	5370.37	0.00
Hempstead Lake	7172.57*	Max WS	1884.24	11.90	36.11		36.11	0.000000	0.07	39100.84	5402.20	0.00
Hempstead Lake	7158.83*	Max WS	1859.17	11.86	36.11		36.11	0.000000	0.07	39296.52	5434.57	0.00
Hempstead Lake	7145.08*	Max WS	1883.77	11.82	36.11		36.11	0.000000	0.07	39498.23	5465.92	0.00
Hempstead Lake	7131.33*	Max WS	1883.65	11.79	36.11		36.11	0.000000	0.07	39702.13	5499.91	0.00
Hempstead Lake	7117.58*	Max WS	1883.54	11.75	36.11		36.11	0.000000	0.07	39911.14	5533.43	0.00
Hempstead Lake	7103.83*	Max WS	1883.41	11.71	36.11		36.11	0.000000	0.07	40118.20	5555.63	0.00
Hempstead Lake	7090.08*	Max WS	1882.92	11.68	36.11		36.11	0.000000	0.07	40324.38	5565.45	0.00
Hempstead Lake	7076.34*	Max WS	1859.28	11.64	36.11		36.11	0.000000	0.07	40536.76	5575.02	0.00
Hempstead Lake	7062.59*	Max WS	1881.43	11.60	36.11		36.11	0.000000	0.07	40744.20	5584.85	0.00
Hempstead Lake	7048.84*	Max WS	1881.29	11.57	36.11		36.11	0.000000	0.07	40954.02	5594.41	0.00
Hempstead Lake	7035.09*	Max WS	1881.15	11.53	36.11		36.11	0.000000	0.07	41169.41	5603.97	0.00
Hempstead Lake	7021.34*	Max WS	1880.99	11.49	36.11		36.11	0.000000	0.07	41380.02	5613.68	0.00
Hempstead Lake	7007.6*	Max WS	1880.83	11.46	36.11		36.11	0.000000	0.07	41595.24	5623.23	0.00
Hempstead Lake	6993.85*	Max WS	1859.21	11.42	36.11		36.11	0.000000	0.07	41808.52	5633.06	0.00
Hempstead Lake	6980.10*	Max WS	1880.51	11.38	36.11		36.11	0.000000	0.07	42026.81	5642.60	0.00
Hempstead Lake	6966.35*	Max WS	1859.19	11.35	36.11		36.11	0.000000	0.07	42241.85	5635.89	0.00
Hempstead Lake	6952.60*	Max WS	1880.18	11.31	36.11		36.11	0.000000	0.07	42466.41	5600.77	0.00
Hempstead Lake	6938.85*	Max WS	1859.17	11.27	36.11		36.11	0.000000	0.06	42701.32	5565.73	0.00
Hempstead Lake	6925.11*	Max WS	1859.12	11.23	36.11		36.11	0.000000	0.06	42942.67	5560.70	0.00
Hempstead Lake	6911.36*	Max WS	1879.69	11.20	36.11		36.11	0.000000	0.06	43190.80	5556.95	0.00
Hempstead Lake	6897.61*	Max WS	1879.51	11.16	36.11		36.11	0.000000	0.06	43438.00	5553.58	0.00
Hempstead Lake	6883.86*	Max WS	1859.07	11.12	36.11		36.11	0.000000	0.06	43691.27	5551.43	0.00
Hempstead Lake	6870.11*	Max WS	1879.17	11.09	36.11		36.11	0.000000	0.06	43946.57	5549.12	0.00
Hempstead Lake	6856.36*	Max WS	1859.01	11.05	36.11		36.11	0.000000	0.06	44205.37	5547.25	0.00
Hempstead Lake	6842.62*	Max WS	1878.80	11.01	36.11		36.11	0.000000	0.06	44464.76	5546.06	0.00
Hempstead Lake	6828.87*	Max WS	1858.95	10.98	36.11		36.11	0.000000	0.06	44730.13	5544.34	0.00
Hempstead Lake	6815.12*	Max WS	1858.91	10.94	36.11		36.11	0.000000	0.06	44998.15	5542.92	0.00
Hempstead Lake	6801.37*	Max WS	1858.86	10.90	36.11		36.11	0.000000	0.06	45270.02	5534.95	0.00
Hempstead Lake	6787.62*	Max WS	1858.81	10.87	36.11		36.11	0.000000	0.06	45544.33	5533.52	0.00
Hempstead Lake	6773.87*	Max WS	1858.76	10.83	36.11		36.11	0.000000	0.06	45822.26	5532.69	0.00
Hempstead Lake	6760.13*	Max WS	1877.56	10.79	36.11		36.11	0.000000	0.06	46105.55	5532.15	0.00
Hempstead Lake	6746.38*	Max WS	1876.74	10.76	36.11		36.11	0.000000	0.06	46386.77	5532.05	0.00
Hempstead Lake	6732.634	Max WS	1858.39	10.72	36.11		36.11	0.000000	0.06	46672.89	5531.42	0.00
Hempstead Lake	6718.98*	Max WS	1873.83	10.73	36.11		36.11	0.000000	0.06	46559.19	5506.66	0.00
Hempstead Lake	6705.33*	Max WS	1857.89	10.74	36.11		36.11	0.000000	0.06	46449.50	5481.79	0.00
Hempstead Lake	6691.68*	Max WS	1857.50	10.75	36.11		36.11	0.000000	0.06	46333.52	5456.39	0.00
Hempstead Lake	6678.03*	Max WS	1857.05	10.76	36.11		36.11	0.000000	0.06	46220.10	5430.74	0.00
Hempstead Lake	6664.38*	Max WS	1856.62	10.77	36.11		36.11	0.000000	0.06	46106.40	5404.65	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	1866.77	10.78	36.11		36.11	0.000000	0.06	45992.09	5374.28	0.00
Hempstead Lake	6637.07*	Max WS	1865.18	10.79	36.11		36.11	0.000000	0.06	45879.75	5342.04	0.00
Hempstead Lake	6623.42*	Max WS	1863.50	10.80	36.11		36.11	0.000000	0.06	45764.29	5306.85	0.00
Hempstead Lake	6609.77*	Max WS	1855.53	10.81	36.11		36.11	0.000000	0.06	45651.46	5266.10	0.00
Hempstead Lake	6596.12*	Max WS	1855.02	10.82	36.11		36.11	0.000000	0.06	45537.26	5219.61	0.00
Hempstead Lake	6582.47*	Max WS	1858.81	10.83	36.11		36.11	0.000000	0.06	45425.36	5203.20	0.00
Hempstead Lake	6568.82*	Max WS	1858.04	10.84	36.11		36.11	0.000000	0.06	45311.57	5187.33	0.00
Hempstead Lake	6555.17*	Max WS	1854.48	10.85	36.11		36.11	0.000000	0.06	45197.23	5171.25	0.00
Hempstead Lake	6541.52*	Max WS	1854.45	10.86	36.11		36.11	0.000000	0.06	45082.30	5156.13	0.00
Hempstead Lake	6527.87*	Max WS	1854.43	10.87	36.11		36.11	0.000000	0.06	44963.50	5142.99	0.00
Hempstead Lake	6514.22*	Max WS	1854.39	10.88	36.11		36.11	0.000000	0.06	44846.51	5128.59	0.00
Hempstead Lake	6500.57*	Max WS	1854.34	10.89	36.11		36.11	0.000000	0.06	44727.77	5112.96	0.00
Hempstead Lake	6486.91*	Max WS	1854.30	10.91	36.11		36.11	0.000000	0.06	44604.89	5097.29	0.00
Hempstead Lake	6473.26*	Max WS	1854.26	10.92	36.11		36.11	0.000000	0.06	44484.16	5082.03	0.00
Hempstead Lake	6459.61*	Max WS	1856.78	10.93	36.11		36.11	0.000000	0.06	44363.95	5066.94	0.00
Hempstead Lake	6445.96*	Max WS	1854.21	10.94	36.11		36.11	0.000000	0.07	34538.13	3734.02	0.00
Hempstead Lake	6432.31*	Max WS	1856.48	10.95	36.11		36.11	0.000000	0.07	34391.63	3727.97	0.00
Hempstead Lake	6418.66*	Max WS	1854.14	10.96	36.11		36.11	0.000000	0.07	34243.95	3721.91	0.00
Hempstead Lake	6405.01*	Max WS	1854.09	10.97	36.11		36.11	0.000000	0.07	34098.49	3715.86	0.00
Hempstead Lake	6391.36*	Max WS	1856.05	10.98	36.11		36.11	0.000000	0.07	33955.08	3709.80	0.00
Hempstead Lake	6377.71*	Max WS	1854.04	10.99	36.11		36.11	0.000000	0.08	33809.12	3703.75	0.00
Hempstead Lake	6364.06*	Max WS	1853.99	11.00	36.11		36.11	0.000000	0.08	33665.72	3697.70	0.00
Hempstead Lake	6350.41*	Max WS	1853.95	11.01	36.11		36.11	0.000000	0.08	33521.88	3691.64	0.00
Hempstead Lake	6336.76*	Max WS	1853.91	11.02	36.11		36.11	0.000000	0.08	33379.97	3666.71	0.00
Hempstead Lake	6323.11*	Max WS	1853.88	11.03	36.11		36.11	0.000000	0.08	33237.05	3655.73	0.00
Hempstead Lake	6309.45*	Max WS	1853.84	11.04	36.11		36.11	0.000000	0.08	33095.31	3644.22	0.00
Hempstead Lake	6295.80*	Max WS	1853.78	11.05	36.11		36.11	0.000000	0.08	32953.97	3633.21	0.00
Hempstead Lake	6282.15*	Max WS	1853.72	11.06	36.11		36.11	0.000000	0.08	32814.40	3622.63	0.00
Hempstead Lake	6268.507	Max WS	1853.66	11.07	36.11		36.11	0.000000	0.08	32674.45	3612.69	0.00
Hempstead Lake	6259.72*	Max WS	1853.64	11.10	36.11		36.11	0.000000	0.08	32058.30	3411.50	0.00
Hempstead Lake	6250.93*	Max WS	1853.62	11.14	36.11		36.11	0.000000	0.07	31543.26	3216.27	0.00
Hempstead Lake	6242.14*	Max WS	1853.52	11.17	36.11		36.11	0.000000	0.07	36304.88	3903.55	0.00
Hempstead Lake	6233.35*	Max WS	1853.42	11.21	36.11		36.11	0.000000	0.07	34750.66	3572.60	0.00
Hempstead Lake	6224.57*	Max WS	1853.39	11.24	36.11		36.11	0.000000	0.07	33466.21	3239.94	0.00
Hempstead Lake	6215.78*	Max WS	1853.36	11.27	36.11		36.11	0.000000	0.07	32452.05	2906.93	0.00
Hempstead Lake	6206.99*	Max WS	1853.47	11.31	36.11		36.11	0.000000	0.07	31703.96	2574.15	0.00
Hempstead Lake	6198.21*	Max WS	1853.33	11.34	36.11		36.11	0.000000	0.06	31231.35	2291.97	0.00
Hempstead Lake	6189.42*	Max WS	1853.31	11.38	36.11		36.11	0.000000	0.06	31023.17	1916.58	0.00
Hempstead Lake	6180.638	Max WS	1853.30	11.41	36.11		36.11	0.000000	0.06	31049.46	1541.19	0.00
Hempstead Lake	6177.638	Max WS	1853.29	11.00	36.11	11.42	36.11	0.000000	0.06	31515.00	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	1850.54	10.80	21.77		21.85	0.002507	2.24	827.12	251.52	0.22
Hempstead Lake	5930.638	Max WS	1849.96	10.80	21.71		21.75	0.001255	1.54	1199.54	375.72	0.15
Hempstead Lake	5880.638	Max WS	1849.41	10.80	21.67		21.70	0.000841	1.47	1255.26	313.04	0.13
Hempstead Lake	5830.638	Max WS	1848.91	10.80	21.63		21.66	0.000772	1.44	1283.06	310.27	0.12
Hempstead Lake	5780.638	Max WS	1848.43	10.80	21.56		21.60	0.001468	1.67	1106.75	346.70	0.16
Hempstead Lake	5730.638	Max WS	1847.54	10.80	21.47		21.52	0.001905	1.73	1105.94	436.00	0.18
Hempstead Lake	5680.638	Max WS	1847.08	10.80	21.41		21.44	0.001226	1.38	1335.76	478.08	0.15
Hempstead Lake	5630.638	Max WS	1846.64	10.80	21.35		21.38	0.001144	1.15	1436.10	568.29	0.14
Hempstead Lake	5580.638	Max WS	1846.24	10.80	21.29		21.32	0.001301	1.14	1466.46	667.91	0.14
Hempstead Lake	5530.638	Max WS	1845.92	10.80	21.22		21.25	0.001604	1.25	1412.07	705.53	0.16
Hempstead Lake	5480.638	Max WS	1845.54	10.80	21.09		21.13	0.003137	1.51	1172.92	717.03	0.21
Hempstead Lake	5430.638	Max WS	1845.27	8.00	20.82		20.88	0.007097	1.89	945.24	727.90	0.30
Hempstead Lake	5380.638	Max WS	1845.14	8.00	20.56		20.66	0.002091	2.53	833.34	720.30	0.41
Hempstead Lake	5330.638	Max WS	1845.05	8.00	19.74		19.89	0.028525	3.26	578.95	604.84	0.57
Hempstead Lake	5307.48*	Max WS	1844.98	7.93	18.94		19.18	0.033701	3.93	475.53	453.23	0.64
Hempstead Lake	5284.32*	Max WS	1844.50	7.87	18.48		18.62	0.014191	3.04	605.91	396.03	0.43
Hempstead Lake	5261.17*	Max WS	1841.97	7.80	18.33		18.40	0.004450	2.11	871.33	415.04	0.26
Hempstead Lake	5238.01*	Max WS	1837.61	7.73	18.29		18.33	0.001668	1.55	1183.61	435.92	0.17
Hempstead Lake	5214.85*	Max WS	1833.48	7.67	18.28		18.30	0.000761	1.21	1510.49	458.54	0.12
Hempstead Lake	5191.70*	Max WS	1831.24	7.60	18.28		18.29	0.000392	0.99	1842.47	471.89	0.09
Hempstead Lake	5168.54*	Max WS	1830.48	7.54	18.27		18.28	0.000224	0.84	2175.86	478.61	0.07
Hempstead Lake	5145.39*	Max WS	1829.71	7.47	18.27		18.28	0.000140	0.73	2505.65	483.44	0.06
Hempstead Lake	5122.23*	Max WS	1829.70	7.40	18.27		18.28	0.000092	0.65	2832.13	487.06	0.05
Hempstead Lake	5099.07*	Max WS	1829.70	7.34	18.27		18.27	0.000064	0.58	3154.75	489.74	0.04
Hempstead Lake	5075.922	Max WS	1828.93	7.27	18.27		18.27	0.000007	0.53	3473.62	491.55	0.03
Hempstead Lake	5055.96*	Max WS	1828.93	7.23	18.27		18.27	0.000037	0.51	3601.39	649.78	0.04
Hempstead Lake	5036.01*	Max WS	1828.92	7.20	18.27		18.27	0.000026	0.47	3899.85	680.54	0.03
Hempstead Lake	5016.05*	Max WS	1828.92	7.16	18.27		18.27	0.000018	0.43	4221.91	688.13	0.03
Hempstead Lake	4996.10*	Max WS	1828.91	7.12	18.27		18.27	0.000012	0.40	4560.37	713.83	0.03
Hempstead Lake	4976.14*	Max WS	1828.91	7.09	18.27		18.27	0.000007	0.37	4917.08	738.66	0.03
Hempstead Lake	4956.192	Max WS	1828.90	7.05	18.27		18.27	0.000003	0.35	5290.50	746.84	0.02
Hempstead Lake	4936.44*	Max WS	1829.63	7.02	18.27		18.27	0.000004	0.32	5638.81	838.01	0.02
Hempstead Lake	4916.69*	Max WS	1828.90	6.98	18.27		18.27	0.000005	0.30	6051.96	895.10	0.02
Hempstead Lake	4896.94*	Max WS	1828.18	6.95	18.27		18.27	0.000006	0.28	6479.23	914.44	0.02
Hempstead Lake	4877.19*	Max WS	1828.18	6.91	18.27		18.27	0.000007	0.27	6918.20	942.98	0.02
Hempstead Lake	4857.44*	Max WS	1828.88	6.88	18.27		18.27	0.000007	0.25	7363.33	946.39	0.02
Hempstead Lake	4837.697	Max WS	1828.87	6.84	18.27		18.27	0.000001	0.24	7813.74	948.41	0.01
Hempstead Lake	4817.64*	Max WS	1909.84	6.81	18.27		18.27	0.000008	0.24	7861.39	945.25	0.01
Hempstead Lake	4797.59*	Max WS	1909.83	6.77	18.27		18.27	0.000008	0.24	7914.80	938.56	0.01
Hempstead Lake	4777.53*	Max WS	1909.10	6.67	18.27		18.27	0.000008	0.24	7975.48	931.75	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	1909.09	6.58	18.27		18.27	0.000007	0.24	8039.24	926.65	0.01
Hempstead Lake	4737.42*	Max WS	1909.80	6.49	18.27		18.27	0.000007	0.24	8105.74	924.88	0.01
Hempstead Lake	4717.37*	Max WS	1909.79	6.40	18.27		18.27	0.000007	0.23	8172.75	922.67	0.01
Hempstead Lake	4697.32*	Max WS	1909.09	6.30	18.27		18.27	0.000007	0.23	8243.82	920.25	0.01
Hempstead Lake	4677.26*	Max WS	1909.08	6.21	18.27		18.27	0.000007	0.23	8314.86	917.57	0.01
Hempstead Lake	4657.21*	Max WS	1909.76	6.12	18.27		18.27	0.000006	0.23	8387.34	914.86	0.01
Hempstead Lake	4637.16*	Max WS	1909.07	6.02	18.27		18.27	0.000006	0.23	8460.48	912.06	0.01
Hempstead Lake	4617.10*	Max WS	1909.07	5.91	18.27		18.27	0.000006	0.22	8535.04	909.12	0.01
Hempstead Lake	4597.05*	Max WS	1909.72	5.76	18.27		18.27	0.000006	0.22	8608.77	906.15	0.01
Hempstead Lake	4577.*	Max WS	1909.06	5.60	18.27		18.27	0.000006	0.22	8685.00	903.29	0.01
Hempstead Lake	4556.94*	Max WS	1909.05	5.45	18.27		18.27	0.000005	0.22	8761.97	900.33	0.01
Hempstead Lake	4536.893	Max WS	1909.04	5.30	18.27		18.27	0.000001	0.22	8839.25	897.37	0.01
Hempstead Lake	4516.70*	Max WS	1912.87	5.16	18.27		18.27	0.000005	0.21	8897.56	898.23	0.01
Hempstead Lake	4496.51*	Max WS	1912.87	5.02	18.27		18.27	0.000005	0.21	8962.22	898.59	0.01
Hempstead Lake	4476.32*	Max WS	1913.48	4.88	18.27		18.27	0.000005	0.21	9033.81	898.67	0.01
Hempstead Lake	4456.14*	Max WS	1913.48	4.74	18.27		18.27	0.000005	0.21	9108.92	898.23	0.01
Hempstead Lake	4435.95*	Max WS	1913.47	4.60	18.27		18.27	0.000004	0.21	9190.91	897.63	0.01
Hempstead Lake	4415.76*	Max WS	1912.86	4.46	18.27		18.27	0.000004	0.21	9277.67	896.52	0.01
Hempstead Lake	4395.57*	Max WS	1912.86	4.32	18.27		18.27	0.000004	0.20	9370.06	895.30	0.01
Hempstead Lake	4375.38*	Max WS	1912.85	4.18	18.27		18.27	0.000004	0.20	9467.43	893.83	0.01
Hempstead Lake	4355.20*	Max WS	1912.85	4.04	18.27		18.27	0.000004	0.20	9570.70	892.16	0.01
Hempstead Lake	4335.01*	Max WS	1912.84	3.90	18.27		18.27	0.000004	0.20	9678.60	890.88	0.01
Hempstead Lake	4314.82*	Max WS	1912.84	3.76	18.27		18.27	0.000004	0.20	9792.17	889.40	0.01
Hempstead Lake	4294.63*	Max WS	1912.27	3.62	18.27		18.27	0.000003	0.19	9910.25	887.91	0.01
Hempstead Lake	4274.44*	Max WS	1912.27	3.48	18.27		18.27	0.000003	0.19	10032.29	886.30	0.01
Hempstead Lake	4254.26*	Max WS	1912.82	3.34	18.27		18.27	0.000003	0.19	10159.80	884.61	0.01
Hempstead Lake	4234.07*	Max WS	1912.81	3.20	18.27		18.27	0.000003	0.19	10292.66	882.87	0.01
Hempstead Lake	4213.88*	Max WS	1912.27	3.06	18.27		18.27	0.000003	0.18	10430.53	881.14	0.01
Hempstead Lake	4193.69*	Max WS	1912.80	2.92	18.27		18.27	0.000003	0.18	10572.07	879.27	0.01
Hempstead Lake	4173.50*	Max WS	1912.79	2.78	18.27		18.27	0.000003	0.18	10719.13	877.38	0.01
Hempstead Lake	4153.320	Max WS	1912.78	2.64	18.27		18.27	0.000000	0.18	10870.65	875.43	0.01
Hempstead Lake	4131.85*	Max WS	1916.86	2.69	18.27		18.27	0.000003	0.18	10799.20	874.33	0.01
Hempstead Lake	4110.38*	Max WS	1916.35	2.75	18.27		18.27	0.000003	0.18	10731.49	873.35	0.01
Hempstead Lake	4088.91*	Max WS	1916.35	2.80	18.27		18.27	0.000003	0.18	10671.00	872.24	0.01
Hempstead Lake	4067.44*	Max WS	1916.34	2.86	18.27		18.27	0.000003	0.18	10612.77	871.21	0.01
Hempstead Lake	4045.97*	Max WS	1916.34	2.91	18.27		18.27	0.000003	0.18	10562.35	870.11	0.01
Hempstead Lake	4024.50*	Max WS	1916.80	2.97	18.27		18.27	0.000003	0.18	10514.36	869.11	0.01
Hempstead Lake	4003.034	Max WS	1916.33	3.02	18.27		18.27	0.000000	0.19	10473.83	868.12	0.01
Hempstead Lake	3984.01*	Max WS	1916.78	3.78	18.27		18.27	0.000004	0.21	9465.18	851.65	0.01
Hempstead Lake	3964.99*	Max WS	1916.32	4.54	18.27		18.27	0.000005	0.23	8477.86	834.96	0.01
Hempstead Lake	3945.97*	Max WS	1916.32	5.30	18.27		18.27	0.000008	0.26	7511.52	820.70	0.01
Hempstead Lake	3926.95*	Max WS	1916.31	6.06	18.27		18.27	0.000012	0.29	6569.88	809.51	0.02
Hempstead Lake	3907.93*	Max WS	1916.31	6.82	18.27		18.27	0.000020	0.34	5651.83	797.18	0.02
Hempstead Lake	3888.916	Max WS	1915.88	7.58	18.26		18.27	0.000006	0.41	4755.32	781.97	0.03
Hempstead Lake	3883.916	Max WS	1919.73	7.20	18.26	9.78	18.27	0.000006	0.42	4652.67	772.16	0.03
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	1916.48	7.19	18.24		18.24	0.000009	0.48	4075.62	752.82	0.03
Hempstead Lake	3858.916	Max WS	1916.97	7.17	18.24		18.24	0.000010	0.49	3949.25	752.17	0.04
Hempstead Lake	3826.579	Max WS	1916.00	6.10	18.23		18.24	0.000024	0.68	2852.98	737.36	0.06
Hempstead Lake	3821.579	Max WS	1916.00	6.02	18.23		18.24	0.000027	0.71	2730.67	710.30	0.06
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	1914.03	5.94	18.20		18.21	0.000082	0.73	2703.47	708.95	0.06
Hempstead Lake	3736.579	Max WS	1914.03	5.88	18.20		18.21	0.000025	0.68	2918.37	706.90	0.06
Hempstead Lake	3699.46*	Max WS	1914.02	5.83	18.20		18.21	0.000024	0.63	3152.78	707.90	0.05
Hempstead Lake	3662.35*	Max WS	1913.54	5.78	18.20		18.21	0.000021	0.58	3418.30	773.76	0.04
Hempstead Lake	3625.24*	Max WS	1914.00	5.74	18.20		18.21	0.000018	0.55	3729.17	825.95	0.04
Hempstead Lake	3588.13*	Max WS	1913.99	5.69	18.20		18.21	0.000017	0.51	4083.65	896.57	0.04
Hempstead Lake	3551.028	Max WS	1913.97	5.64	18.20		18.21	0.000012	0.49	4471.77	929.81	0.03
Hempstead Lake	3531.67*	Max WS	1913.96	5.61	18.20		18.21	0.000019	0.50	4271.89	913.39	0.03
Hempstead Lake	3512.33*	Max WS	1913.95	5.58	18.20		18.21	0.000019	0.52	4073.57	901.49	0.04
Hempstead Lake	3492.98*	Max WS	1913.52	5.55	18.20		18.21	0.000020	0.54	3876.47	886.94	0.04
Hempstead Lake	3473.63*	Max WS	1913.51	5.52	18.20		18.20	0.000020	0.55	3684.59	828.87	0.04
Hempstead Lake	3454.28*	Max WS	1913.50	5.49	18.20		18.20	0.000020	0.57	3513.95	769.95	0.04
Hempstead Lake	3434.93*	Max WS	1913.09	5.46	18.20		18.20	0.000019	0.59	3376.14	657.25	0.04
Hempstead Lake	3415.58*	Max WS	1913.08	5.43	18.20		18.20	0.000018	0.60	3282.77	643.63	0.04
Hempstead Lake	3396.239	Max WS	1913.08	5.40	18.20		18.20	0.000024	0.62	3191.89	629.89	0.04
Hempstead Lake	3376.88*	Max WS	1913.08	5.37	18.20		18.20	0.000018	0.62	3195.40	633.67	0.04
Hempstead Lake	3357.52*	Max WS	1913.47	5.34	18.20		18.20	0.000019	0.62	3200.61	637.61	0.04
Hempstead Lake	3338.16*	Max WS	1913.08	5.32	18.20		18.20	0.000020	0.62	3204.51	642.86	0.04
Hempstead Lake	3318.80*	Max WS	1913.07	5.29	18.20		18.20	0.000021	0.63	3210.03	648.80	0.04
Hempstead Lake	3299.44*	Max WS	1913.45	5.26	18.20		18.20	0.000022	0.63	3214.39	654.00	0.04
Hempstead Lake	3280.08*	Max WS	1912.69	5.23	18.19		18.20	0.000022	0.63	3220.79	659.56	0.04
Hempstead Lake	3260.73*	Max WS	1913.06	5.21	18.19		18.20	0.000023	0.63	3226.10	663.96	0.04
Hempstead Lake	3241.37*	Max WS	1913.06	5.18	18.19		18.20	0.000023	0.63	3231.49	667.87	0.04
Hempstead Lake	3222.01*	Max WS	1913.05	5.15	18.19		18.20	0.000024	0.64	3238.48	670.55	0.04
Hempstead Lake	3202.65*	Max WS	1913.04	5.12	18.19		18.20	0.000025	0.64	3244.05	673.18	0.04
Hempstead Lake	3183.29*	Max WS	1913.04	5.10	18.19		18.20	0.000025	0.64	3250.16	674.97	0.04
Hempstead Lake	3163.93*	Max WS	1912.68	5.07	18.19		18.20	0.000026	0.64	3255.32	676.60	0.04
Hempstead Lake	3144.581	Max WS	1912.68	5.04	18.19		18.20	0.000022	0.65	3261.49	677.82	0.04
Hempstead Lake	3124.73*	Max WS	1913.01	5.01	18.19		18.20	0.000020	0.65	3271.33	680.84	0.04
Hempstead Lake	3104.89*	Max WS	1913.00	4.98	18.19		18.20	0.000020	0.65	3282.40	682.99	0.04

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	1912.67	4.95	18.19		18.20	0.000020	0.64	3294.41	685.29	0.04
Hempstead Lake	3065.2*	Max WS	1912.67	4.92	18.19		18.20	0.000020	0.64	3305.08	687.46	0.04
Hempstead Lake	3045.35*	Max WS	1912.66	4.88	18.19		18.20	0.000019	0.64	3317.37	691.03	0.04
Hempstead Lake	3025.51*	Max WS	1912.66	4.85	18.19		18.20	0.000018	0.64	3330.19	694.35	0.04
Hempstead Lake	3005.66*	Max WS	1912.65	4.82	18.19		18.20	0.000018	0.64	3344.54	696.69	0.04
Hempstead Lake	2985.81*	Max WS	1912.65	4.79	18.19		18.19	0.000017	0.64	3356.51	698.23	0.04
Hempstead Lake	2965.974	Max WS	1912.35	4.76	18.19		18.19	0.000019	0.63	3369.67	699.36	0.04
Hempstead Lake	2951.87*	Max WS	1912.64	4.74	18.19		18.19	0.000022	0.63	3399.73	700.53	0.04
Hempstead Lake	2937.77*	Max WS	1912.63	4.72	18.19		18.19	0.000022	0.62	3428.07	701.94	0.04
Hempstead Lake	2923.67*	Max WS	1912.34	4.70	18.19		18.19	0.000022	0.62	3458.77	703.31	0.04
Hempstead Lake	2909.57*	Max WS	1912.62	4.68	18.19		18.19	0.000021	0.61	3486.99	704.58	0.04
Hempstead Lake	2895.47*	Max WS	1912.62	4.66	18.19		18.19	0.000021	0.60	3515.86	706.37	0.04
Hempstead Lake	2881.37*	Max WS	1912.61	4.64	18.19		18.19	0.000020	0.60	3544.34	707.91	0.04
Hempstead Lake	2867.27*	Max WS	1912.34	4.62	18.19		18.19	0.000020	0.59	3572.38	709.54	0.04
Hempstead Lake	2853.17*	Max WS	1912.60	4.61	18.19		18.19	0.000020	0.59	3600.95	712.44	0.04
Hempstead Lake	2839.07*	Max WS	1912.34	4.59	18.19		18.19	0.000019	0.58	3629.65	719.39	0.04
Hempstead Lake	2824.98*	Max WS	1912.34	4.57	18.19		18.19	0.000019	0.58	3657.33	727.36	0.04
Hempstead Lake	2810.88*	Max WS	1912.33	4.55	18.19		18.19	0.000019	0.57	3686.59	734.99	0.04
Hempstead Lake	2796.78*	Max WS	1912.33	4.53	18.19		18.19	0.000018	0.57	3714.68	744.37	0.04
Hempstead Lake	2782.68*	Max WS	1912.33	4.51	18.19		18.19	0.000018	0.57	3743.90	752.52	0.04
Hempstead Lake	2768.58*	Max WS	1912.09	4.49	18.19		18.19	0.000018	0.56	3773.47	758.84	0.04
Hempstead Lake	2754.48*	Max WS	1912.55	4.47	18.19		18.19	0.000017	0.56	3802.65	764.66	0.04
Hempstead Lake	2740.38*	Max WS	1912.32	4.45	18.19		18.19	0.000017	0.55	3832.25	769.27	0.04
Hempstead Lake	2726.28*	Max WS	1912.54	4.43	18.19		18.19	0.000017	0.55	3862.92	774.13	0.04
Hempstead Lake	2712.18*	Max WS	1912.31	4.41	18.19		18.19	0.000016	0.54	3892.55	778.83	0.04
Hempstead Lake	2698.08*	Max WS	1912.52	4.39	18.18		18.19	0.000016	0.54	3922.65	784.51	0.04
Hempstead Lake	2683.98*	Max WS	1912.31	4.37	18.18		18.19	0.000016	0.53	3951.85	790.36	0.04
Hempstead Lake	2669.88*	Max WS	1912.31	4.35	18.18		18.19	0.000015	0.53	3983.76	795.66	0.03
Hempstead Lake	2655.78*	Max WS	1912.30	4.34	18.18		18.19	0.000015	0.53	4013.42	802.42	0.03
Hempstead Lake	2641.68*	Max WS	1912.30	4.32	18.18		18.19	0.000015	0.52	4044.33	812.54	0.03
Hempstead Lake	2627.58*	Max WS	1912.29	4.30	18.18		18.19	0.000015	0.52	4076.17	821.62	0.03
Hempstead Lake	2613.48*	Max WS	1912.28	4.28	18.18		18.19	0.000014	0.52	4108.83	837.91	0.03
Hempstead Lake	2599.38*	Max WS	1912.28	4.26	18.18		18.19	0.000014	0.51	4141.42	856.56	0.03
Hempstead Lake	2585.29*	Max WS	1912.28	4.24	18.18		18.19	0.000014	0.51	4177.16	866.48	0.03
Hempstead Lake	2571.19*	Max WS	1912.27	4.22	18.18		18.19	0.000013	0.50	4212.00	873.16	0.03
Hempstead Lake	2557.091	Max WS	1912.11	4.20	18.18		18.19	0.000033	0.49	4246.23	876.59	0.03
Hempstead Lake	2552.091	Max WS	1912.11	4.09	18.18		18.19	0.000109	0.65	3189.23	878.50	0.05
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	1912.11	4.09	18.16		18.17	0.000106	0.63	3294.87	866.81	0.05
Hempstead Lake	2487.091	Max WS	1912.11	4.60	18.17		18.17	0.000026	0.45	4611.12	864.91	0.03
Hempstead Lake	2477.12*	Max WS	1912.10	4.58	18.17		18.17	0.000011	0.46	4624.04	870.33	0.03
Hempstead Lake	2467.14*	Max WS	1912.10	4.57	18.17		18.17	0.000011	0.46	4643.12	877.32	0.03
Hempstead Lake	2457.17*	Max WS	1912.09	4.55	18.17		18.17	0.000011	0.46	4666.89	887.92	0.03
Hempstead Lake	2447.20*	Max WS	1911.95	4.53	18.17		18.17	0.000012	0.47	4697.90	897.31	0.03
Hempstead Lake	2437.23*	Max WS	1912.08	4.51	18.17		18.17	0.000020	0.46	4735.29	902.18	0.03
Hempstead Lake	2427.26*	Max WS	1912.08	4.50	18.17		18.17	0.000020	0.46	4776.08	906.68	0.03
Hempstead Lake	2417.29*	Max WS	1911.94	4.48	18.17		18.17	0.000019	0.46	4822.41	910.07	0.03
Hempstead Lake	2407.32*	Max WS	1911.94	4.46	18.17		18.17	0.000012	0.48	4873.06	913.49	0.03
Hempstead Lake	2397.35*	Max WS	1912.06	4.44	18.16		18.17	0.000012	0.48	4926.66	917.11	0.03
Hempstead Lake	2387.37*	Max WS	1911.94	4.43	18.16		18.17	0.000012	0.48	4985.52	920.52	0.03
Hempstead Lake	2377.40*	Max WS	1911.94	4.41	18.16		18.17	0.000012	0.48	5049.35	923.91	0.03
Hempstead Lake	2367.43*	Max WS	1912.05	4.39	18.16		18.17	0.000012	0.48	5115.43	926.79	0.03
Hempstead Lake	2357.46*	Max WS	1911.93	4.37	18.16		18.17	0.000012	0.48	5186.62	929.50	0.03
Hempstead Lake	2347.49*	Max WS	1912.04	4.36	18.16		18.17	0.000012	0.48	5261.42	932.20	0.03
Hempstead Lake	2337.52*	Max WS	1911.93	4.34	18.16		18.17	0.000012	0.48	5340.25	934.71	0.03
Hempstead Lake	2327.55*	Max WS	1912.02	4.32	18.16		18.17	0.000012	0.48	5422.52	937.36	0.03
Hempstead Lake	2317.58*	Max WS	1912.01	4.30	18.16		18.17	0.000012	0.48	5510.34	944.43	0.03
Hempstead Lake	2307.60*	Max WS	1911.93	4.29	18.16		18.17	0.000011	0.48	5603.76	962.71	0.03
Hempstead Lake	2297.63*	Max WS	1911.92	4.27	18.16		18.17	0.000011	0.48	5702.12	978.04	0.03
Hempstead Lake	2287.66*	Max WS	1911.99	4.25	18.16		18.17	0.000011	0.48	5804.61	992.87	0.03
Hempstead Lake	2277.69*	Max WS	1911.92	4.23	18.16		18.17	0.000011	0.49	5914.83	1020.47	0.03
Hempstead Lake	2267.72*	Max WS	1911.92	4.22	18.16		18.17	0.000010	0.49	6032.18	1059.02	0.03
Hempstead Lake	2257.752	Max WS	1911.91	4.20	18.16		18.17	0.000016	0.42	6156.82	1081.18	0.02
Hempstead Lake	2252.75*	Max WS	1911.91	4.10	18.16		18.17	0.000014	0.47	6096.66	1061.08	0.03
Hempstead Lake	2247.752	Max WS	1911.91	4.00	18.16		18.17	0.000016	0.45	6036.42	1026.32	0.03
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	1911.84	3.80	18.15		18.16	0.000023	0.84	4514.00	883.55	0.05
Hempstead Lake	2192.75*	Max WS	1911.90	3.75	18.15		18.15	0.000016	0.79	4993.81	880.19	0.04
Hempstead Lake	2187.752	Max WS	1911.84	3.70	18.15		18.15	0.000012	0.81	5302.02	876.94	0.04
Hempstead Lake	2178.63*	Max WS	1911.89	3.72	18.15		18.15	0.000013	0.83	5155.33	873.50	0.05
Hempstead Lake	2169.52*	Max WS	1911.89	3.74	18.15		18.15	0.000014	0.85	5009.68	870.25	0.05
Hempstead Lake	2160.40*	Max WS	1911.89	3.76	18.15		18.16	0.000015	0.88	4864.69	867.02	0.05
Hempstead Lake	2151.29*	Max WS	1911.84	3.78	18.15		18.16	0.000016	0.90	4720.63	863.64	0.05
Hempstead Lake	2142.17*	Max WS	1911.88	3.80	18.15		18.16	0.000017	0.93	4577.19	860.34	0.05
Hempstead Lake	2133.05*	Max WS	1911.88	3.82	18.15		18.16	0.000018	0.96	4434.22	856.65	0.05
Hempstead Lake	2123.94*	Max WS	1911.84	3.83	18.15		18.16	0.000019	0.98	4292.67	853.23	0.05
Hempstead Lake	2114.82*	Max WS	1911.87	3.85	18.15		18.16	0.000020	1.01	4151.44	849.82	0.06
Hempstead Lake	2105.71*	Max WS	1911.87	3.87	18.14		18.16	0.000022	1.04	4012.60	846.58	0.06
Hempstead Lake	2096.59*	Max WS	1911.84	3.89	18.14		18.16	0.000024	1.08	3874.07	843.29	0.06
Hempstead Lake	2087.48*	Max WS	1911.83	3.91	18.14		18.16	0.000025	1.11	3734.79	839.79	0.06
Hempstead Lake	2078.36*	Max WS	1911.83	3.93	18.14		18.16	0.000027	1.14	3597.32	836.95	0.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	1911.86	3.95	18.14		18.16	0.000029	1.18	3461.57	834.09	0.07
Hempstead Lake	2060.13*	Max WS	1911.83	3.97	18.14		18.16	0.000032	1.22	3326.43	831.79	0.07
Hempstead Lake	2051.01*	Max WS	1911.85	3.99	18.14		18.16	0.000034	1.26	3193.36	829.37	0.07
Hempstead Lake	2041.90*	Max WS	1911.84	4.01	18.14		18.16	0.000037	1.30	3060.05	842.72	0.08
Hempstead Lake	2032.78*	Max WS	1911.80	4.03	18.14		18.16	0.000041	1.35	2933.03	857.91	0.08
Hempstead Lake	2023.67*	Max WS	1911.82	4.05	18.14		18.16	0.000044	1.40	2806.33	869.93	0.08
Hempstead Lake	2014.55*	Max WS	1911.80	4.07	18.13		18.16	0.000048	1.45	2686.24	910.21	0.09
Hempstead Lake	2005.44*	Max WS	1911.82	4.08	18.13		18.16	0.000052	1.49	2569.35	911.87	0.09
Hempstead Lake	1996.32*	Max WS	1911.82	4.10	18.13		18.16	0.000056	1.54	2457.14	911.16	0.09
Hempstead Lake	1987.20*	Max WS	1911.82	4.12	18.13		18.16	0.000061	1.59	2345.56	909.86	0.10
Hempstead Lake	1978.09*	Max WS	1911.81	4.14	18.13		18.16	0.000066	1.64	2236.71	908.46	0.10
Hempstead Lake	1968.97*	Max WS	1911.80	4.16	18.13		18.16	0.000072	1.69	2129.06	907.09	0.10
Hempstead Lake	1959.86*	Max WS	1911.81	4.18	18.12		18.16	0.000078	1.74	2023.70	904.40	0.11
Hempstead Lake	1950.747	Max WS	1911.80	4.20	18.12		18.16	0.000084	1.80	1920.08	901.05	0.11
Hempstead Lake	1945.747	Max WS	1911.80	4.21	18.13		18.17	0.000216	2.04	2207.74	946.46	0.16
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	459.57	4.50	16.27		16.27	0.000014	0.21	2769.20	848.11	0.02
Hempstead Lake	1860.747	Max WS	459.56	4.45	16.27		16.27	0.000001	0.19	3634.26	887.85	0.01
Hempstead Lake	1848.83*	Max WS	459.50	2.70	16.27		16.27	0.000000	0.09	5822.86	1009.66	0.01
Hempstead Lake	1816.92*	Max WS	459.45	0.95	16.27		16.27	0.000000	0.06	8669.15	1059.90	0.00
Hempstead Lake	1785.01*	Max WS	459.40	-0.80	16.27		16.27	0.000000	0.04	12255.04	1087.84	0.00
Hempstead Lake	1753.104	Max WS	459.35	-2.55	16.27		16.27	0.000000	0.03	16427.06	1209.12	0.00
Hempstead Lake	1732.65*	Max WS	459.33	-2.75	16.27		16.27	0.000000	0.03	16625.41	1243.12	0.00
Hempstead Lake	1712.21*	Max WS	459.30	-2.95	16.27		16.27	0.000000	0.03	16876.72	1285.19	0.00
Hempstead Lake	1691.76*	Max WS	459.26	-3.14	16.27		16.27	0.000000	0.03	17181.91	1324.94	0.00
Hempstead Lake	1671.32*	Max WS	459.23	-3.34	16.27		16.27	0.000000	0.03	17537.26	1359.93	0.00
Hempstead Lake	1650.87*	Max WS	459.20	-3.54	16.27		16.27	0.000000	0.03	17942.59	1393.63	0.00
Hempstead Lake	1630.434	Max WS	459.17	-3.74	16.27		16.27	0.000000	0.03	18395.47	1424.31	0.00
Hempstead Lake	1610.36*	Max WS	459.13	-3.49	16.27		16.27	0.000000	0.03	17779.75	1411.27	0.00
Hempstead Lake	1590.30*	Max WS	459.08	-3.23	16.27		16.27	0.000000	0.03	17167.49	1396.60	0.00
Hempstead Lake	1570.23*	Max WS	459.04	-2.98	16.27		16.27	0.000000	0.03	16558.81	1380.04	0.00
Hempstead Lake	1550.17*	Max WS	458.99	-2.73	16.27		16.27	0.000000	0.03	15955.39	1360.92	0.00
Hempstead Lake	1530.10*	Max WS	458.94	-2.47	16.27		16.27	0.000000	0.03	15355.30	1341.35	0.00
Hempstead Lake	1510.03*	Max WS	458.89	-2.22	16.27		16.27	0.000000	0.03	14761.35	1321.53	0.00
Hempstead Lake	1489.97*	Max WS	458.84	-1.96	16.27		16.27	0.000000	0.04	14173.05	1299.62	0.00
Hempstead Lake	1469.90*	Max WS	458.78	-1.71	16.27		16.27	0.000000	0.04	13591.39	1273.98	0.00
Hempstead Lake	1449.83*	Max WS	458.72	-1.46	16.27		16.27	0.000000	0.04	13020.31	1240.68	0.00
Hempstead Lake	1429.77*	Max WS	458.66	-1.20	16.27		16.27	0.000000	0.04	12464.83	1185.68	0.00
Hempstead Lake	1409.707	Max WS	462.80	-0.95	16.27		16.27	0.000000	0.04	11929.97	1158.87	0.00
Hempstead Lake	1389.03*	Max WS	9999.35	-0.98	16.25		16.26	0.000011	0.92	11891.34	1151.27	0.04
Hempstead Lake	1368.35*	Max WS	9999.30	-1.00	16.25		16.26	0.000011	0.92	11881.11	1145.07	0.04
Hempstead Lake	1347.67*	Max WS	9999.24	-1.03	16.25		16.26	0.000011	0.92	11872.48	1155.73	0.04
Hempstead Lake	1326.99*	Max WS	9996.69	-1.06	16.25		16.26	0.000011	0.92	11869.73	1170.70	0.04
Hempstead Lake	1306.32*	Max WS	9999.11	-1.08	16.25		16.26	0.000011	0.92	11870.08	1175.04	0.04
Hempstead Lake	1285.64*	Max WS	9999.03	-1.11	16.25		16.26	0.000011	0.92	11872.92	1173.06	0.04
Hempstead Lake	1264.96*	Max WS	9996.67	-1.14	16.25		16.26	0.000011	0.93	11874.56	1167.88	0.04
Hempstead Lake	1244.28*	Max WS	9996.65	-1.16	16.25		16.26	0.000011	0.93	11877.64	1160.71	0.04
Hempstead Lake	1223.61*	Max WS	9996.63	-1.19	16.25		16.26	0.000011	0.93	11880.94	1151.40	0.04
Hempstead Lake	1202.93*	Max WS	9996.60	-1.22	16.25		16.26	0.000011	0.93	11884.16	1140.79	0.04
Hempstead Lake	1182.25*	Max WS	9996.56	-1.24	16.25		16.26	0.000011	0.93	11886.88	1128.52	0.04
Hempstead Lake	1161.57*	Max WS	9996.53	-1.27	16.25		16.26	0.000011	0.93	11889.79	1120.78	0.04
Hempstead Lake	1140.90*	Max WS	9996.49	-1.30	16.25		16.26	0.000011	0.94	11891.39	1114.24	0.04
Hempstead Lake	1120.22*	Max WS	9996.44	-1.32	16.25		16.26	0.000012	0.94	11893.83	1107.88	0.04
Hempstead Lake	1099.54*	Max WS	9996.39	-1.35	16.25		16.26	0.000012	0.94	11891.89	1101.29	0.04
Hempstead Lake	1078.87*	Max WS	9996.34	-1.38	16.25		16.26	0.000012	0.94	11887.98	1094.73	0.04
Hempstead Lake	1058.19*	Max WS	9996.28	-1.40	16.25		16.26	0.000012	0.94	11884.73	1088.30	0.04
Hempstead Lake	1037.515	Max WS	9994.46	-1.43	16.25		16.26	0.000010	0.92	11879.94	1081.78	0.04
Hempstead Lake	1017.08*	Max WS	10079.46	-1.35	16.24		16.26	0.000013	0.95	11849.12	1074.21	0.04
Hempstead Lake	996.645*	Max WS	10079.45	-1.28	16.24		16.26	0.000016	0.95	11818.12	1066.73	0.04
Hempstead Lake	976.210*	Max WS	10079.43	-1.20	16.24		16.26	0.000018	0.95	11785.00	1059.09	0.04
Hempstead Lake	955.775*	Max WS	10079.41	-1.13	16.24		16.26	0.000022	0.95	11750.92	1051.43	0.04
Hempstead Lake	935.340*	Max WS	10079.38	-1.05	16.24		16.26	0.000025	0.95	11713.84	1043.89	0.04
Hempstead Lake	914.905*	Max WS	10079.35	-0.98	16.24		16.26	0.000029	0.94	11676.47	1036.18	0.04
Hempstead Lake	894.471*	Max WS	10079.32	-0.90	16.24		16.26	0.000032	0.94	11635.81	1029.19	0.04
Hempstead Lake	874.036*	Max WS	10079.28	-0.83	16.24		16.25	0.000036	0.94	11594.14	1022.22	0.04
Hempstead Lake	853.601*	Max WS	10079.24	-0.75	16.24		16.25	0.000039	0.94	11551.14	1014.88	0.04
Hempstead Lake	833.166*	Max WS	10079.19	-0.68	16.24		16.25	0.000044	0.93	11505.67	1007.20	0.04
Hempstead Lake	812.731*	Max WS	10079.13	-0.60	16.24		16.25	0.000047	0.93	11458.13	999.13	0.04
Hempstead Lake	792.296*	Max WS	10077.76	-0.53	16.24		16.25	0.000052	0.92	11410.46	991.28	0.04
Hempstead Lake	771.862	Max WS	10077.76	-0.45	16.24		16.25	0.000010	0.98	11358.95	985.45	0.04
Hempstead Lake	750.331*	Max WS	10111.78	-0.53	16.24		16.25	0.000055	0.97	11033.16	986.65	0.04
Hempstead Lake	728.8*	Max WS	10111.76	-0.61	16.23		16.25	0.000056	1.01	10710.07	990.10	0.05
Hempstead Lake	707.269*	Max WS	10111.74	-0.69	16.23		16.25	0.000055	1.05	10392.75	992.66	0.05
Hempstead Lake	685.738*	Max WS	10111.71	-0.77	16.23		16.25	0.000053	1.09	10079.13	994.04	0.05
Hempstead Lake	664.207*	Max WS	10111.67	-0.85	16.23		16.25	0.000051	1.12	9770.27	993.46	0.05
Hempstead Lake	642.676*	Max WS	10111.62	-0.93	16.22		16.24	0.000049	1.16	9468.10	990.75	0.05
Hempstead Lake	621.145*	Max WS	10111.57	-1.02	16.22		16.24	0.000045	1.19	9169.95	983.58	0.06
Hempstead Lake	599.614*	Max WS	10111.51	-1.10	16.22		16.24	0.000040	1.22	8880.76	969.52	0.06
Hempstead Lake	578.083*	Max WS	10111.46	-1.18	16.22		16.24	0.000035	1.25	8601.72	941.12	0.06
Hempstead Lake	556.552*	Max WS	10111.39	-1.26	16.22		16.24	0.000031	1.27	8341.92	879.57	0.06
Hempstead Lake	535.021*	Max WS	10111.33	-1.34	16.21		16.24	0.000026	1.28	8145.59	693.56	0.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	10111.28	-1.42	16.21		16.24	0.000020	1.28	8044.56	670.25	0.06
Hempstead Lake	493.038*	Max WS	10147.35	-1.03	16.21		16.24	0.000047	1.39	7467.64	652.71	0.07
Hempstead Lake	472.587*	Max WS	10147.35	-0.65	16.20		16.24	0.000063	1.50	6907.92	635.05	0.08
Hempstead Lake	452.136*	Max WS	10147.34	-0.26	16.20		16.24	0.000085	1.63	6362.11	617.15	0.09
Hempstead Lake	431.685*	Max WS	10147.33	0.12	16.19		16.23	0.000115	1.77	5832.24	599.20	0.10
Hempstead Lake	411.234*	Max WS	10147.31	0.51	16.17		16.23	0.000152	1.94	5317.91	581.00	0.11
Hempstead Lake	390.783*	Max WS	10147.29	0.90	16.16		16.23	0.000207	2.14	4816.26	563.04	0.13
Hempstead Lake	370.332*	Max WS	10147.27	1.28	16.14		16.22	0.000282	2.37	4329.91	545.34	0.14
Hempstead Lake	349.881*	Max WS	10147.24	1.67	16.11		16.22	0.000389	2.66	3855.11	527.49	0.17
Hempstead Lake	329.430*	Max WS	10147.21	2.05	16.07		16.21	0.000544	3.02	3393.92	509.61	0.20
Hempstead Lake	308.979*	Max WS	10147.18	2.44	16.01		16.20	0.000759	3.48	2938.67	491.34	0.25
Hempstead Lake	288.528*	Max WS	10147.14	2.83	15.92		16.18	0.001073	4.09	2487.49	472.42	0.31
Hempstead Lake	268.077*	Max WS	10147.10	3.21	15.76		16.15	0.001542	5.00	2029.18	448.10	0.41
Hempstead Lake	247.626*	Max WS	10146.97	3.60	15.43		16.12	0.002341	6.66	1524.37	410.28	0.61
Hempstead Lake	227.175*	Max WS	10147.03	3.98	14.90		16.07	0.003405	8.67	1169.71	152.69	0.55
Hempstead Lake	206.724	Max WS	10147.02	4.37	14.61		16.01	0.002594	9.51	1066.45	142.25	0.61
Hempstead Lake	201.724	Max WS	10147.02	4.37	15.09	10.98	15.99	0.001512	7.64	1328.44	160.73	0.47
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	10147.02	1.00	12.16		12.93	0.000998	7.27	1453.80	147.48	0.39
Hempstead Lake	166.724	Max WS	10147.01	1.00	12.16	7.11	12.92	0.001000	7.28	1452.91	147.46	0.39

90% EX 1/2 PMF NON-BREACH 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	43.01	42.99	0.01	0.00		291.02	3970.54	3067.92	871.95
Hempstead Lake	15523.7*	Max WS	43.01	42.99	0.01	0.00		657.22	3821.18	2850.39	864.26
Hempstead Lake	15503.5*	Max WS	43.01	42.99	0.01	0.00		636.93	3883.63	2807.58	856.45
Hempstead Lake	15483.3*	Max WS	43.00	42.99	0.01	0.00		606.57	3941.97	2779.01	846.77
Hempstead Lake	15463.0*	Max WS	43.00	42.99	0.01	0.00		578.20	3999.98	2748.85	839.90
Hempstead Lake	15442.8*	Max WS	43.00	42.99	0.01	0.00		558.48	4051.98	2716.14	834.37
Hempstead Lake	15422.5*	Max WS	43.00	42.99	0.01	0.00		531.62	4107.78	2686.83	830.74
Hempstead Lake	15402.3*	Max WS	43.00	42.99	0.01	0.00		504.48	4162.52	2658.97	828.08
Hempstead Lake	15382.1*	Max WS	43.00	42.99	0.01	0.00		487.25	4210.42	2628.18	826.14
Hempstead Lake	15361.8*	Max WS	43.00	42.98	0.01	0.00		461.48	4263.59	2602.24	825.23
Hempstead Lake	15341.6*	Max WS	43.00	42.98	0.01	0.00		443.71	4298.25	2584.12	820.29
Hempstead Lake	15321.4*	Max WS	43.00	42.98	0.01	0.00		414.76	4313.01	2597.21	806.29
Hempstead Lake	15301.1*	Max WS	43.00	42.98	0.01	0.00		384.92	4306.72	2632.39	786.82
Hempstead Lake	15280.9*	Max WS	43.00	42.98	0.01	0.00		362.44	4273.03	2687.78	762.73
Hempstead Lake	15260.7*	Max WS	43.00	42.98	0.01	0.00		337.02	4298.42	2687.21	761.53
Hempstead Lake	15240.4*	Max WS	43.00	42.98	0.01	0.00		311.42	4321.24	2689.53	760.35
Hempstead Lake	15220.2*	Max WS	42.99	42.98	0.01	0.00		294.58	4337.85	2689.50	759.84
Hempstead Lake	15200.02	Max WS	42.99	42.98	0.01	0.00		268.97	4353.88	2694.85	759.06
Hempstead Lake	15180.7*	Max WS	42.99	42.98	0.01	0.00		297.48	4536.53	2482.54	787.45
Hempstead Lake	15161.4*	Max WS	42.99	42.98	0.01	0.00		323.10	4690.23	2302.18	812.80
Hempstead Lake	15142.1*	Max WS	42.99	42.98	0.01	0.00		346.94	4833.70	2133.97	840.91
Hempstead Lake	15122.8*	Max WS	42.99	42.98	0.01	0.00		368.51	4952.67	1992.65	864.60
Hempstead Lake	15103.5*	Max WS	42.99	42.98	0.01	0.00		382.54	5058.75	1871.91	888.42
Hempstead Lake	15084.2*	Max WS	42.99	42.98	0.01	0.00		404.09	5147.26	1761.38	911.03
Hempstead Lake	15064.9*	Max WS	42.99	42.98	0.01	0.00		421.58	5228.25	1662.61	931.58
Hempstead Lake	15045.6*	Max WS	42.99	42.98	0.01	0.00		440.17	5300.40	1571.76	951.07
Hempstead Lake	15026.4*	Max WS	42.99	42.99	0.01	0.00		459.41	5357.74	1485.50	969.78
Hempstead Lake	15007.1*	Max WS	42.99	42.99	0.01	0.00		479.61	5414.38	1407.30	987.80
Hempstead Lake	14987.82	Max WS	42.99	42.99	0.00	0.00		208.71	5699.63	1391.73	1005.26
Hempstead Lake	14966.6*	Max WS	42.99	42.99	0.00	0.00		345.65	5749.75	1247.16	1027.20
Hempstead Lake	14945.4*	Max WS	42.99	42.98	0.00	0.00		317.45	5889.00	1135.11	1049.39
Hempstead Lake	14924.3*	Max WS	42.99	42.98	0.00	0.00		290.38	6018.64	1031.75	1072.10
Hempstead Lake	14903.1*	Max WS	42.99	42.98	0.00	0.00		264.04	6140.11	936.03	1095.30
Hempstead Lake	14882.*	Max WS	42.99	42.98	0.00	0.00		238.36	6253.56	847.92	1119.62
Hempstead Lake	14860.8*	Max WS	42.99	42.98	0.00	0.00		217.97	6341.24	764.35	1400.59
Hempstead Lake	14839.6*	Max WS	42.99	42.98	0.00	0.00		215.84	6417.63	687.63	1517.93
Hempstead Lake	14818.5*	Max WS	42.99	42.98	0.00	0.00		229.46	6473.82	615.44	1628.66
Hempstead Lake	14797.35	Max WS	42.99	42.98	0.00	0.00		108.35	6972.95	235.26	1721.02
Hempstead Lake	14777.4*	Max WS	42.99	42.98	0.00	0.00		231.12	6568.81	514.89	1728.90
Hempstead Lake	14757.4*	Max WS	42.99	42.98	0.00	0.00		216.33	6608.64	488.44	1739.09
Hempstead Lake	14737.5*	Max WS	42.99	42.98	0.00	0.00		198.33	6657.27	456.76	1745.89
Hempstead Lake	14717.5*	Max WS	42.99	42.98	0.00	0.00		191.16	6688.19	432.37	1751.31
Hempstead Lake	14697.6*	Max WS	42.99	42.98	0.00	0.00		186.76	6715.72	409.00	1754.20
Hempstead Lake	14677.6*	Max WS	42.99	42.98	0.00	0.00		184.71	6711.79	384.92	1745.74
Hempstead Lake	14657.7*	Max WS	42.99	42.98	0.00	0.00		182.84	6737.72	358.33	1731.71
Hempstead Lake	14637.7*	Max WS	42.98	42.98	0.00	0.00		185.75	6754.04	337.00	1618.82
Hempstead Lake	14617.8*	Max WS	42.98	42.98	0.00	0.00		184.43	6773.39	317.36	1523.46
Hempstead Lake	14597.8*	Max WS	42.98	42.98	0.00	0.00		187.49	6787.28	299.20	1551.11
Hempstead Lake	14577.9*	Max WS	42.98	42.98	0.00	0.00		186.38	6809.07	277.64	1585.77
Hempstead Lake	14557.9*	Max WS	42.98	42.98	0.00	0.00		186.97	6828.04	257.58	1663.33
Hempstead Lake	14538.0*	Max WS	42.98	42.98	0.00	0.00		188.61	6809.50	239.29	1717.65
Hempstead Lake	14518.0*	Max WS	42.98	42.98	0.00	0.00		186.12	6817.96	230.49	1743.36
Hempstead Lake	14498.1*	Max WS	42.98	42.98	0.00	0.00		182.32	6822.62	227.10	1765.67
Hempstead Lake	14478.1*	Max WS	42.98	42.98	0.00	0.00		182.80	6823.67	223.39	1780.42
Hempstead Lake	14458.2*	Max WS	42.98	42.98	0.00	0.00		182.43	6826.11	219.50	1793.22
Hempstead Lake	14438.2*	Max WS	42.98	42.98	0.00	0.00		176.13	6841.19	209.28	1804.41
Hempstead Lake	14418.3*	Max WS	42.98	42.98	0.00	0.00		173.51	6848.21	203.84	1816.22
Hempstead Lake	14398.37	Max WS	42.98	42.98	0.00	0.00		94.58	6930.47	199.92	1829.40
Hempstead Lake	14378.3*	Max WS	42.98	42.98	0.00	0.00		97.77	6876.83	208.23	1810.48
Hempstead Lake	14358.3*	Max WS	42.98	42.98	0.00	0.00		101.29	6860.48	218.02	1791.05
Hempstead Lake	14338.2*	Max WS	42.98	42.98	0.00	0.00		104.80	6844.09	228.27	1771.48
Hempstead Lake	14318.2*	Max WS	42.98	42.98	0.00	0.00		108.01	6827.90	239.01	1752.62
Hempstead Lake	14298.2*	Max WS	42.98	42.98	0.00	0.00		110.87	6811.87	250.41	1734.36
Hempstead Lake	14278.1*	Max WS	42.98	42.98	0.00	0.00		113.49	6795.85	262.48	1717.06
Hempstead Lake	14258.1*	Max WS	42.98	42.98	0.00	0.00		115.73	6780.09	275.14	1700.74
Hempstead Lake	14238.1*	Max WS	42.98	42.98	0.00	0.00		117.55	6764.44	288.58	1685.67
Hempstead Lake	14218.0*	Max WS	42.98	42.98	0.00	0.00		118.12	6703.91	301.08	1788.62
Hempstead Lake	14198.0*	Max WS	42.98	42.98	0.00	0.00		119.70	6683.10	317.43	1810.76
Hempstead Lake	14178.0*	Max WS	42.98	42.98	0.00	0.00		120.79	6661.79	335.12	1830.83
Hempstead Lake	14157.9*	Max WS	42.98	42.98	0.00	0.00		121.72	6639.91	354.01	1861.63
Hempstead Lake	14137.9*	Max WS	42.98	42.98	0.00	0.00		105.25	6634.55	374.27	1873.67
Hempstead Lake	14117.9*	Max WS	42.98	42.98	0.00	0.00		114.41	6603.43	395.25	1839.57

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	42.98	42.98	0.00	0.00		122.64	6570.63	419.45	1802.33
Hempstead Lake	14077.8*	Max WS	42.98	42.98	0.00	0.00		128.73	6492.02	442.62	1764.60
Hempstead Lake	14057.8*	Max WS	42.98	42.98	0.00	0.00		134.33	6455.76	470.32	1726.57
Hempstead Lake	14037.7*	Max WS	42.98	42.98	0.00	0.00		138.21	6419.69	500.07	1688.16
Hempstead Lake	14017.75	Max WS	42.98	42.98	0.00	0.00		139.25	6388.46	528.36	1649.51
Hempstead Lake	13998.2*	Max WS	42.98	42.98	0.00	0.00		262.08	6130.43	662.32	1640.38
Hempstead Lake	13978.6*	Max WS	42.98	42.98	0.00	0.00		267.35	6152.47	634.25	1631.17
Hempstead Lake	13959.1*	Max WS	42.98	42.98	0.00	0.00		268.21	6134.51	605.29	1621.93
Hempstead Lake	13939.6*	Max WS	42.98	42.98	0.00	0.00		270.54	6153.97	580.49	1612.72
Hempstead Lake	13920.0*	Max WS	42.98	42.98	0.00	0.00		268.97	6184.99	548.42	1603.52
Hempstead Lake	13900.5*	Max WS	42.98	42.98	0.00	0.00		271.06	6203.93	525.18	1593.69
Hempstead Lake	13881.*	Max WS	42.98	42.98	0.00	0.00		272.19	6222.74	503.47	1581.66
Hempstead Lake	13861.4*	Max WS	42.98	42.98	0.00	0.00		271.50	6253.01	472.60	1570.15
Hempstead Lake	13841.9*	Max WS	42.98	42.98	0.00	0.00		270.98	6274.41	450.94	1559.15
Hempstead Lake	13822.3*	Max WS	42.98	42.97	0.00	0.00		264.94	6308.33	422.78	1547.47
Hempstead Lake	13802.8*	Max WS	42.98	42.97	0.00	0.00		260.68	6287.85	400.26	1535.48
Hempstead Lake	13783.3*	Max WS	42.98	42.97	0.00	0.00		253.36	6318.61	374.05	1525.12
Hempstead Lake	13763.7*	Max WS	42.98	42.97	0.00	0.00		247.37	6345.27	351.01	1516.14
Hempstead Lake	13744.2*	Max WS	42.98	42.97	0.00	0.00		240.99	6377.17	323.57	1508.36
Hempstead Lake	13724.7*	Max WS	42.98	42.97	0.00	0.00		234.03	6405.25	301.03	1501.65
Hempstead Lake	13705.1*	Max WS	42.98	42.97	0.00	0.00		220.41	6447.60	271.38	1495.77
Hempstead Lake	13685.63	Max WS	42.98	42.97	0.00	0.00		158.69	6593.86	186.47	1490.70
Hempstead Lake	13666.4*	Max WS	42.98	42.97	0.00	0.00		212.07	6428.78	252.57	1487.87
Hempstead Lake	13647.1*	Max WS	42.97	42.97	0.00	0.00		214.92	6423.01	252.55	1485.05
Hempstead Lake	13627.9*	Max WS	42.97	42.97	0.00	0.00		219.83	6410.27	257.82	1482.25
Hempstead Lake	13608.7*	Max WS	42.97	42.97	0.00	0.00		222.43	6406.37	256.94	1479.44
Hempstead Lake	13589.5*	Max WS	42.97	42.97	0.00	0.00		224.71	6403.65	255.62	1476.62
Hempstead Lake	13570.2*	Max WS	42.97	42.97	0.00	0.00		226.39	6402.88	253.37	1473.83
Hempstead Lake	13551.0*	Max WS	42.97	42.97	0.00	0.00		231.81	6392.92	257.06	1471.05
Hempstead Lake	13531.8*	Max WS	42.97	42.97	0.00	0.00		234.51	6391.49	255.43	1468.28
Hempstead Lake	13512.6*	Max WS	42.97	42.97	0.00	0.00		235.96	6346.37	252.13	1465.44
Hempstead Lake	13493.3*	Max WS	42.97	42.97	0.00	0.00		239.17	6341.48	250.58	1462.62
Hempstead Lake	13474.1*	Max WS	42.97	42.97	0.00	0.00		243.60	6334.81	249.96	1459.89
Hempstead Lake	13454.9*	Max WS	42.97	42.97	0.00	0.00		254.32	6314.98	256.61	1457.21
Hempstead Lake	13435.72	Max WS	42.97	42.97	0.00	0.00		223.47	6027.68	572.73	1454.60
Hempstead Lake	13419.3*	Max WS	42.97	42.97	0.00	0.00		242.55	6339.07	240.91	1458.37
Hempstead Lake	13403.0*	Max WS	42.97	42.97	0.00	0.00		249.91	6344.56	227.07	1462.16
Hempstead Lake	13386.6*	Max WS	42.97	42.97	0.00	0.00		256.63	6351.66	212.66	1465.90
Hempstead Lake	13370.3*	Max WS	42.97	42.97	0.00	0.00		255.10	6327.74	192.45	1469.64
Hempstead Lake	13354.*	Max WS	42.97	42.97	0.00	0.00		259.58	6334.75	177.70	1473.35
Hempstead Lake	13337.6*	Max WS	42.97	42.97	0.00	0.00		262.97	6342.81	163.22	1477.04
Hempstead Lake	13321.3*	Max WS	42.97	42.97	0.00	0.00		264.48	6353.53	148.25	1480.66
Hempstead Lake	13304.9*	Max WS	42.97	42.97	0.00	0.00		265.92	6363.53	134.34	1484.32
Hempstead Lake	13288.6*	Max WS	42.97	42.97	0.00	0.00		266.65	6374.01	120.97	1487.94
Hempstead Lake	13272.29	Max WS	42.97	42.97	0.00	0.00		223.99	6450.57	85.25	1491.53
Hempstead Lake	13255.0*	Max WS	42.97	42.97	0.00	0.00		220.46	6450.17	87.58	1493.76
Hempstead Lake	13237.8*	Max WS	42.97	42.97	0.00	0.00		221.80	6444.80	90.47	1495.99
Hempstead Lake	13220.5*	Max WS	42.97	42.97	0.00	0.00		223.52	6439.49	93.40	1498.13
Hempstead Lake	13203.3*	Max WS	42.97	42.97	0.00	0.00		218.99	6394.36	93.50	1500.22
Hempstead Lake	13186.0*	Max WS	42.97	42.97	0.00	0.00		220.91	6385.58	96.37	1502.33
Hempstead Lake	13168.8*	Max WS	42.97	42.97	0.00	0.00		222.91	6377.08	99.16	1504.31
Hempstead Lake	13151.6*	Max WS	42.97	42.97	0.00	0.00		224.88	6369.00	101.87	1506.21
Hempstead Lake	13134.3*	Max WS	42.97	42.97	0.00	0.00		225.51	6363.21	103.95	1508.13
Hempstead Lake	13117.1*	Max WS	42.97	42.97	0.00	0.00		226.24	6357.79	105.96	1509.88
Hempstead Lake	13099.8*	Max WS	42.97	42.97	0.00	0.00		222.14	6359.96	105.59	1511.63
Hempstead Lake	13082.6*	Max WS	42.97	42.97	0.00	0.00		221.57	6357.44	106.82	1513.19
Hempstead Lake	13065.3*	Max WS	42.97	42.97	0.00	0.00		220.48	6356.21	107.74	1514.62
Hempstead Lake	13048.1*	Max WS	42.97	42.97	0.00	0.00		219.62	6355.20	108.72	1516.03
Hempstead Lake	13030.9*	Max WS	42.97	42.97	0.00	0.00		217.56	6356.68	108.95	1517.20
Hempstead Lake	13013.6*	Max WS	42.97	42.97	0.00	0.00		213.06	6305.03	108.03	1518.22
Hempstead Lake	12996.4*	Max WS	42.97	42.97	0.00	0.00		208.38	6306.67	106.84	1519.00
Hempstead Lake	12979.1*	Max WS	42.97	42.97	0.00	0.00		205.21	6306.38	106.36	1519.46
Hempstead Lake	12961.9*	Max WS	42.97	42.97	0.00	0.00		201.79	6306.72	105.85	1519.58
Hempstead Lake	12944.7*	Max WS	42.97	42.97	0.00	0.00		200.21	6304.65	106.25	1519.25
Hempstead Lake	12927.4*	Max WS	42.97	42.97	0.00	0.00		196.60	6306.08	105.61	1518.35
Hempstead Lake	12910.2*	Max WS	42.97	42.97	0.00	0.00		192.95	6307.77	105.19	1516.71
Hempstead Lake	12892.97	Max WS	42.97	42.97	0.00	0.00		136.03	6349.00	118.96	1514.07
Hempstead Lake	12881.0*	Max WS	42.97	42.96	0.00	0.00		172.21	7643.62	96.28	1512.27
Hempstead Lake	12869.1*	Max WS	42.97	42.96	0.00	0.00		171.90	7642.61	96.79	1510.86
Hempstead Lake	12857.1*	Max WS	42.97	42.96	0.00	0.00		171.48	7641.97	97.39	1509.18
Hempstead Lake	12845.2*	Max WS	42.97	42.96	0.00	0.00		169.93	7587.03	97.27	1507.45
Hempstead Lake	12833.3*	Max WS	42.97	42.96	0.00	0.00		169.48	7582.97	97.75	1505.35

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	42.97	42.96	0.00	0.00		169.12	7578.94	98.27	1503.20
Hempstead Lake	12809.4*	Max WS	42.97	42.96	0.00	0.00		168.74	7574.99	98.91	1500.71
Hempstead Lake	12797.5*	Max WS	42.97	42.96	0.00	0.00		168.28	7571.28	99.58	1497.86
Hempstead Lake	12785.6*	Max WS	42.97	42.96	0.00	0.00		167.78	7567.71	100.37	1493.96
Hempstead Lake	12773.7*	Max WS	42.97	42.96	0.00	0.00		167.34	7564.20	101.28	1489.67
Hempstead Lake	12761.7*	Max WS	42.97	42.96	0.00	0.00		166.86	7560.72	102.44	1484.66
Hempstead Lake	12749.8*	Max WS	42.97	42.96	0.00	0.00		166.46	7557.21	103.83	1479.14
Hempstead Lake	12737.9*	Max WS	42.97	42.96	0.00	0.00		166.03	7553.79	105.48	1472.83
Hempstead Lake	12726.0*	Max WS	42.97	42.96	0.00	0.00		165.54	7550.54	107.34	1465.84
Hempstead Lake	12714.0*	Max WS	42.96	42.96	0.00	0.00		165.02	7548.03	108.81	1460.93
Hempstead Lake	12702.1*	Max WS	42.96	42.96	0.00	0.00		164.56	7545.65	110.43	1455.85
Hempstead Lake	12690.2*	Max WS	42.96	42.96	0.00	0.00		164.03	7543.63	112.16	1450.47
Hempstead Lake	12678.3*	Max WS	42.96	42.96	0.00	0.00		163.71	7541.45	114.28	1445.00
Hempstead Lake	12666.3*	Max WS	42.96	42.96	0.00	0.00		161.93	7481.40	115.52	1439.10
Hempstead Lake	12654.4*	Max WS	42.96	42.96	0.00	0.00		161.34	7475.31	117.73	1433.37
Hempstead Lake	12642.5*	Max WS	42.96	42.96	0.00	0.00		160.79	7469.79	119.47	1429.57
Hempstead Lake	12630.6*	Max WS	42.96	42.96	0.00	0.00		160.22	7464.48	121.17	1425.78
Hempstead Lake	12618.6*	Max WS	42.96	42.96	0.00	0.00		159.71	7459.05	123.09	1422.08
Hempstead Lake	12606.7*	Max WS	42.96	42.96	0.00	0.00		159.11	7453.98	124.92	1418.32
Hempstead Lake	12594.8*	Max WS	42.96	42.96	0.00	0.00		158.53	7448.96	126.86	1414.74
Hempstead Lake	12582.9*	Max WS	42.96	42.96	0.00	0.00		157.95	7444.21	128.74	1411.11
Hempstead Lake	12570.9*	Max WS	42.96	42.96	0.00	0.00		157.30	7439.64	130.73	1407.60
Hempstead Lake	12559.0*	Max WS	42.96	42.96	0.00	0.00		156.75	7435.28	132.67	1404.53
Hempstead Lake	12547.1*	Max WS	42.96	42.96	0.00	0.00		156.29	7431.55	134.15	1402.40
Hempstead Lake	12535.2*	Max WS	42.96	42.96	0.00	0.00		155.64	7428.26	135.69	1400.37
Hempstead Lake	12523.27	Max WS	42.96	42.96	0.00	0.00		155.23	7431.16	131.12	1398.27
Hempstead Lake	12515.8*	Max WS	42.96	42.96	0.00	0.00		232.22	7916.90	138.55	1385.25
Hempstead Lake	12508.3*	Max WS	42.96	42.96	0.00	0.00		246.93	7903.71	136.20	1372.16
Hempstead Lake	12500.9*	Max WS	42.96	42.96	0.00	0.00		258.28	7894.52	133.32	1359.12
Hempstead Lake	12493.4*	Max WS	42.96	42.96	0.00	0.00		269.34	7886.50	129.69	1345.98
Hempstead Lake	12486.0*	Max WS	42.96	42.96	0.00	0.00		283.35	7876.30	125.43	1332.88
Hempstead Lake	12478.5*	Max WS	42.96	42.96	0.00	0.00		293.70	7870.47	120.59	1319.68
Hempstead Lake	12471.1*	Max WS	42.96	42.96	0.00	0.00		303.32	7865.89	115.38	1306.53
Hempstead Lake	12463.7*	Max WS	42.96	42.96	0.00	0.00		314.51	7804.54	108.93	1293.27
Hempstead Lake	12456.2*	Max WS	42.96	42.96	0.00	0.00		323.23	7799.03	102.99	1280.04
Hempstead Lake	12448.8*	Max WS	42.96	42.96	0.00	0.00		331.26	7794.60	96.68	1266.65
Hempstead Lake	12441.3*	Max WS	42.96	42.96	0.00	0.00		343.49	7786.10	90.29	1253.29
Hempstead Lake	12433.9*	Max WS	42.96	42.96	0.00	0.00		356.35	7775.80	85.08	1239.78
Hempstead Lake	12426.4*	Max WS	42.96	42.96	0.00	0.00		362.72	7773.59	78.31	1226.24
Hempstead Lake	12419.0*	Max WS	42.96	42.96	0.00	0.00		373.45	7767.21	71.37	1212.50
Hempstead Lake	12411.5*	Max WS	42.96	42.96	0.00	0.00		378.66	7766.18	64.64	1198.59
Hempstead Lake	12404.1*	Max WS	42.96	42.96	0.00	0.00		383.16	7765.75	58.06	1184.51
Hempstead Lake	12396.6*	Max WS	42.96	42.96	0.00	0.00		386.79	7766.09	51.60	1170.06
Hempstead Lake	12389.2*	Max WS	42.96	42.96	0.00	0.00		395.54	7761.13	45.36	1155.22
Hempstead Lake	12381.8*	Max WS	42.96	42.96	0.00	0.00		401.70	7757.96	39.95	1139.69
Hempstead Lake	12374.3*	Max WS	42.96	42.96	0.00	0.00		402.42	7759.57	35.24	1120.54
Hempstead Lake	12366.9*	Max WS	42.96	42.96	0.00	0.00		408.67	7756.74	29.46	1106.23
Hempstead Lake	12359.46	Max WS	42.96	42.96	0.00	0.00		183.91	7997.74	10.90	1091.73
Hempstead Lake	12350.7*	Max WS	42.96	42.96	0.00	0.00		431.29	8114.11	26.53	1077.93
Hempstead Lake	12342.0*	Max WS	42.96	42.96	0.00	0.00		435.32	8105.96	27.83	1064.11
Hempstead Lake	12333.3*	Max WS	42.96	42.96	0.00	0.00		439.03	8098.16	29.12	1050.23
Hempstead Lake	12324.7*	Max WS	42.96	42.96	0.00	0.00		436.66	8097.65	29.23	1041.16
Hempstead Lake	12316.0*	Max WS	42.96	42.96	0.00	0.00		440.66	8090.14	29.99	1030.49
Hempstead Lake	12307.3*	Max WS	42.96	42.96	0.00	0.00		444.46	8082.84	30.77	1019.68
Hempstead Lake	12298.6*	Max WS	42.96	42.96	0.00	0.00		448.20	8075.47	31.70	1008.65
Hempstead Lake	12289.9*	Max WS	42.96	42.96	0.00	0.00		447.90	8072.29	32.52	997.54
Hempstead Lake	12281.2*	Max WS	42.96	42.96	0.00	0.00		451.43	8065.05	33.61	986.17
Hempstead Lake	12272.5*	Max WS	42.96	42.96	0.00	0.00		448.90	8063.74	34.85	974.76
Hempstead Lake	12263.8*	Max WS	42.96	42.96	0.00	0.00		452.27	8056.49	36.15	963.04
Hempstead Lake	12255.1*	Max WS	42.96	42.96	0.00	0.00		455.36	8049.43	37.58	951.15
Hempstead Lake	12246.4*	Max WS	42.96	42.96	0.00	0.00		458.43	8042.39	39.05	939.30
Hempstead Lake	12237.7*	Max WS	42.96	42.96	0.01	0.00		461.01	8035.69	40.69	927.08
Hempstead Lake	12229.1*	Max WS	42.96	42.96	0.01	0.00		463.84	8028.74	42.35	914.95
Hempstead Lake	12220.4*	Max WS	42.96	42.95	0.01	0.00		460.91	8027.48	44.12	902.41
Hempstead Lake	12211.7*	Max WS	42.96	42.95	0.01	0.00		463.44	8020.66	46.04	890.00
Hempstead Lake	12203.0*	Max WS	42.96	42.95	0.01	0.00		465.67	8014.18	47.93	877.26
Hempstead Lake	12194.3*	Max WS	42.96	42.95	0.01	0.00		467.50	8008.14	49.80	864.60
Hempstead Lake	12185.6*	Max WS	42.96	42.95	0.01	0.00		469.32	8001.85	51.95	851.78
Hempstead Lake	12176.9*	Max WS	42.96	42.95	0.01	0.00		471.11	7995.65	54.10	838.58
Hempstead Lake	12168.2*	Max WS	42.96	42.95	0.01	0.00		463.49	7999.20	55.93	825.42
Hempstead Lake	12159.5*	Max WS	42.96	42.95	0.01	0.00		464.69	7993.45	58.28	811.93
Hempstead Lake	12150.8*	Max WS	42.96	42.95	0.01	0.00		465.44	7988.20	60.62	798.54

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	42.96	42.95	0.01	0.00		430.23	8023.65	58.25	784.86
Hempstead Lake	12133.5*	Max WS	42.96	42.95	0.01	0.00		428.06	8021.72	60.27	771.09
Hempstead Lake	12124.8*	Max WS	42.96	42.95	0.01	0.00		425.55	8020.17	62.28	757.35
Hempstead Lake	12116.1*	Max WS	42.96	42.95	0.01	0.00		418.59	8023.13	64.26	743.38
Hempstead Lake	12107.4*	Max WS	42.96	42.95	0.01	0.00		415.04	8022.55	66.40	729.27
Hempstead Lake	12098.7*	Max WS	42.96	42.95	0.01	0.00		411.06	8022.67	68.33	715.08
Hempstead Lake	12090.0*	Max WS	42.96	42.95	0.01	0.00		406.92	8022.94	70.29	700.80
Hempstead Lake	12081.3*	Max WS	42.96	42.95	0.01	0.00		402.25	8023.65	72.40	686.45
Hempstead Lake	12072.6*	Max WS	42.96	42.95	0.01	0.00		397.20	8025.02	74.26	671.96
Hempstead Lake	12063.9*	Max WS	42.96	42.94	0.01	0.00		387.87	8030.54	76.29	657.38
Hempstead Lake	12055.2*	Max WS	42.96	42.94	0.01	0.00		373.78	8042.63	76.54	642.85
Hempstead Lake	12046.5*	Max WS	42.96	42.94	0.02	0.00		367.16	8045.83	78.25	628.18
Hempstead Lake	12037.9*	Max WS	42.96	42.94	0.02	0.00		359.86	8049.73	79.97	613.36
Hempstead Lake	12029.2*	Max WS	42.96	42.94	0.02	0.00		351.97	8054.44	81.51	598.53
Hempstead Lake	12020.5*	Max WS	42.96	42.94	0.02	0.00		343.58	8059.43	83.30	583.11
Hempstead Lake	12011.8*	Max WS	42.96	42.94	0.02	0.00		331.33	8068.54	84.89	567.51
Hempstead Lake	12003.1*	Max WS	42.96	42.94	0.02	0.00		321.72	8075.10	86.43	551.94
Hempstead Lake	11994.45	Max WS	42.96	42.94	0.02	0.00		421.88	7916.02	143.88	536.18
Hempstead Lake	11989.45	Max WS	42.96	42.93	0.02			453.63	7936.21	152.18	535.87
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	39.54	38.98	0.56	0.00			3548.05		469.28
Hempstead Lake	11964.45	Max WS	40.23	40.17	0.06	0.00		513.00	9444.68	112.50	488.09
Hempstead Lake	11954.6*	Max WS	40.23	40.17	0.06	0.00		316.48	9664.98	88.53	496.14
Hempstead Lake	11944.8*	Max WS	40.23	40.17	0.06	0.00		327.96	9642.81	99.03	505.26
Hempstead Lake	11934.9*	Max WS	40.23	40.16	0.06	0.00		337.49	9620.90	111.19	516.49
Hempstead Lake	11925.1*	Max WS	40.23	40.16	0.07	0.00		348.03	9594.48	126.82	527.92
Hempstead Lake	11915.3*	Max WS	40.23	40.16	0.07	0.00		438.60	9451.24	179.19	539.79
Hempstead Lake	11905.5*	Max WS	40.22	40.16	0.07	0.00		443.16	9420.12	205.37	550.87
Hempstead Lake	11895.6*	Max WS	40.22	40.15	0.07	0.00		447.28	9383.47	237.45	562.55
Hempstead Lake	11885.8*	Max WS	40.22	40.15	0.07	0.00		450.01	9342.57	275.04	574.92
Hempstead Lake	11876.0*	Max WS	40.22	40.15	0.07	0.00		452.28	9293.78	320.82	587.35
Hempstead Lake	11866.2*	Max WS	40.22	40.15	0.07	0.00		452.57	9239.50	373.90	600.42
Hempstead Lake	11856.4*	Max WS	40.22	40.14	0.07	0.00		451.12	9159.93	445.58	604.50
Hempstead Lake	11846.5*	Max WS	40.22	40.14	0.07	0.00		449.79	9076.55	528.03	606.16
Hempstead Lake	11836.7*	Max WS	40.21	40.14	0.07	0.00		446.28	8987.69	617.76	607.82
Hempstead Lake	11826.9*	Max WS	40.21	40.14	0.08	0.00		390.61	9026.52	631.51	609.47
Hempstead Lake	11817.1*	Max WS	40.21	40.13	0.08	0.00		388.69	8926.99	729.26	611.13
Hempstead Lake	11807.2*	Max WS	40.21	40.13	0.08	0.00		385.46	8821.39	833.67	612.78
Hempstead Lake	11797.46	Max WS	40.21	40.13	0.08	0.00		310.08	8780.29	944.85	614.44
Hempstead Lake	11792.46	Max WS	40.21	40.13	0.08			320.95	8855.00	855.58	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	38.69	38.46	0.24	0.01		477.31	9409.58	189.45	614.44
Hempstead Lake	11627.46	Max WS	38.68	38.47	0.22	0.01		464.24	9467.57	144.32	614.44
Hempstead Lake	11623.2*	Max WS	38.67	38.50	0.18	0.01		765.09	8965.42	345.48	645.38
Hempstead Lake	11619.1*	Max WS	38.66	38.51	0.16	0.00		787.11	8875.97	412.76	676.31
Hempstead Lake	11614.94	Max WS	38.66	38.50	0.16	0.00		496.24	9307.28	272.21	707.25
Hempstead Lake	11612.94	Max WS	38.66	38.50	0.16			490.73	9327.06	257.88	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	36.13	36.12	0.02	0.00		35.10	1809.47	8.05	693.23
Hempstead Lake	11598.94	Max WS	36.14	36.13	0.01	0.00		36.27	1810.80	7.53	694.32
Hempstead Lake	11573.9*	Max WS	36.14	36.13	0.01	0.00		51.93	1799.06	3.50	768.63
Hempstead Lake	11548.9*	Max WS	36.14	36.13	0.01	0.00		79.64	1772.50	2.27	842.48
Hempstead Lake	11523.9*	Max WS	36.14	36.13	0.00	0.00		119.01	1733.72	1.62	917.91
Hempstead Lake	11498.9*	Max WS	36.14	36.14	0.00	0.00		170.41	1682.68	1.20	994.73
Hempstead Lake	11473.9*	Max WS	36.14	36.14	0.00	0.00		236.15	1617.18	0.90	1072.41
Hempstead Lake	11448.9*	Max WS	36.14	36.14	0.00	0.00		306.19	1547.32	0.68	1150.58
Hempstead Lake	11423.9*	Max WS	36.14	36.14	0.00	0.00		381.28	1472.37	0.51	1229.18
Hempstead Lake	11398.9*	Max WS	36.14	36.14	0.00	0.00		466.69	1387.06	0.37	1303.77
Hempstead Lake	11373.9*	Max WS	36.14	36.14	0.00	0.00		547.39	1306.41	0.27	1375.05
Hempstead Lake	11349.*	Max WS	36.14	36.14	0.00	0.00		627.97	1225.87	0.19	1446.65
Hempstead Lake	11324.*	Max WS	36.14	36.14	0.00	0.00		722.99	1130.87	0.14	1518.93
Hempstead Lake	11299.0*	Max WS	36.14	36.14	0.00	0.00		801.12	1052.76	0.10	1590.60
Hempstead Lake	11274.0*	Max WS	36.14	36.14	0.00	0.00		876.68	977.20	0.07	1662.90
Hempstead Lake	11249.0*	Max WS	36.14	36.14	0.00	0.00		958.84	892.14	0.05	1735.23
Hempstead Lake	11224.0*	Max WS	36.14	36.14	0.00	0.00		1030.22	823.65	0.03	1750.86
Hempstead Lake	11199.0*	Max WS	36.14	36.14	0.00	0.00		1095.74	758.09	0.02	1810.94
Hempstead Lake	11174.0*	Max WS	36.14	36.14	0.00	0.00		1157.48	696.32	0.01	1874.29
Hempstead Lake	11149.0*	Max WS	36.14	36.14	0.00	0.00		1226.96	626.81	0.01	1937.89
Hempstead Lake	11124.0*	Max WS	36.14	36.14	0.00	0.00		1280.84	572.90	0.01	2002.36
Hempstead Lake	11099.0*	Max WS	36.14	36.14	0.00	0.00		1330.75	522.95	0.00	2072.25
Hempstead Lake	11074.0*	Max WS	36.14	36.14	0.00	0.00		1388.23	465.44	0.00	2141.96
Hempstead Lake	11049.07	Max WS	36.14	36.14	0.00	0.00		1067.70	785.94	0.00	2211.89

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	36.14	36.14	0.00	0.00		1392.97	460.65	0.00	2186.31
Hempstead Lake	11027.7*	Max WS	36.14	36.14	0.00	0.00		1365.73	487.87	0.00	2160.62
Hempstead Lake	11017.0*	Max WS	36.14	36.14	0.00	0.00		1319.27	526.00	0.00	2135.00
Hempstead Lake	11006.4*	Max WS	36.14	36.14	0.00	0.00		1282.36	571.21	0.00	2109.42
Hempstead Lake	10995.7*	Max WS	36.14	36.14	0.00	0.00		1243.42	601.10	0.00	2083.72
Hempstead Lake	10985.0*	Max WS	36.14	36.14	0.00	0.00		1202.31	651.23	0.00	2059.85
Hempstead Lake	10974.4*	Max WS	36.14	36.14	0.00	0.00		1165.62	687.90		2036.11
Hempstead Lake	10963.7*	Max WS	36.14	36.14	0.00	0.00		1108.34	735.09		2012.38
Hempstead Lake	10953.1*	Max WS	36.14	36.14	0.00	0.00		1061.37	792.12		1982.78
Hempstead Lake	10942.4*	Max WS	36.14	36.14	0.00	0.00		1019.51	833.96		1869.40
Hempstead Lake	10931.7*	Max WS	36.14	36.14	0.00	0.00		963.94	889.51		1776.29
Hempstead Lake	10921.1*	Max WS	36.14	36.14	0.00	0.00		906.71	946.73		1756.60
Hempstead Lake	10910.4*	Max WS	36.14	36.14	0.00	0.00		855.06	986.69		1737.11
Hempstead Lake	10899.7*	Max WS	36.14	36.14	0.00	0.00		796.19	1045.25		1717.69
Hempstead Lake	10889.1*	Max WS	36.14	36.14	0.00	0.00		742.25	1111.16		1698.77
Hempstead Lake	10878.4*	Max WS	36.14	36.14	0.00	0.00		689.47	1151.35		1679.65
Hempstead Lake	10867.8*	Max WS	36.14	36.14	0.00	0.00		635.31	1218.07		1660.53
Hempstead Lake	10857.1*	Max WS	36.14	36.14	0.00	0.00		587.38	1265.99		1641.68
Hempstead Lake	10846.4*	Max WS	36.14	36.14	0.00	0.00		526.82	1313.09		1622.83
Hempstead Lake	10835.8*	Max WS	36.14	36.14	0.00	0.00		472.40	1367.21		1604.04
Hempstead Lake	10825.1*	Max WS	36.14	36.14	0.00	0.00		431.01	1422.35		1585.49
Hempstead Lake	10814.4*	Max WS	36.14	36.14	0.00	0.00		377.59	1461.43		1566.82
Hempstead Lake	10803.8*	Max WS	36.14	36.14	0.00	0.00		332.95	1520.39		1548.30
Hempstead Lake	10793.1*	Max WS	36.14	36.14	0.00	0.00		294.04	1559.28		1529.79
Hempstead Lake	10782.4*	Max WS	36.14	36.14	0.00	0.00		250.96	1587.21		1511.35
Hempstead Lake	10771.8*	Max WS	36.14	36.13	0.00	0.00		214.81	1623.09		1493.08
Hempstead Lake	10761.1*	Max WS	36.14	36.13	0.00	0.00		187.28	1666.03		1474.82
Hempstead Lake	10750.5*	Max WS	36.13	36.13	0.00	0.00		155.91	1681.45		1456.58
Hempstead Lake	10739.8*	Max WS	36.13	36.13	0.00	0.00		129.40	1707.69		1438.43
Hempstead Lake	10729.1*	Max WS	36.13	36.13	0.00	0.00		108.21	1728.62		1420.35
Hempstead Lake	10718.5*	Max WS	36.13	36.13	0.00	0.00		88.46	1764.83		1402.40
Hempstead Lake	10707.8*	Max WS	36.13	36.13	0.00	0.00		71.27	1765.05		1384.65
Hempstead Lake	10697.1*	Max WS	36.13	36.13	0.00	0.00		56.49	1796.79		1366.82
Hempstead Lake	10686.5*	Max WS	36.13	36.13	0.00	0.00		43.15	1792.67		1349.18
Hempstead Lake	10675.8*	Max WS	36.13	36.13	0.00	0.00		33.57	1819.70		1330.74
Hempstead Lake	10665.2*	Max WS	36.13	36.13	0.00	0.00		24.75	1828.52		1312.78
Hempstead Lake	10654.5*	Max WS	36.13	36.13	0.00	0.00		17.73	1835.53		1295.00
Hempstead Lake	10643.8*	Max WS	36.13	36.13	0.00	0.00		12.35	1822.53		1277.73
Hempstead Lake	10633.2*	Max WS	36.13	36.13	0.00	0.00		8.14	1826.51		1260.75
Hempstead Lake	10622.5*	Max WS	36.13	36.13	0.00	0.00		5.04	1829.37		1244.01
Hempstead Lake	10611.8*	Max WS	36.13	36.13	0.00	0.00		2.92	1831.25		1227.80
Hempstead Lake	10601.2*	Max WS	36.13	36.13	0.00	0.00		1.46	1832.49		1212.15
Hempstead Lake	10590.5*	Max WS	36.13	36.13	0.00	0.00		0.61	1852.66		1196.69
Hempstead Lake	10579.8*	Max WS	36.13	36.13	0.00	0.00		0.16	1833.36		1181.46
Hempstead Lake	10569.23	Max WS	36.13	36.13	0.00	0.00		0.01	1833.30		1166.43
Hempstead Lake	10549.1*	Max WS	36.13	36.13	0.00	0.00		0.00	1833.08		1163.01
Hempstead Lake	10529.0*	Max WS	36.13	36.13	0.00	0.00		0.00	1832.87		1159.43
Hempstead Lake	10508.9*	Max WS	36.13	36.13	0.00	0.00		0.00	1832.67		1155.97
Hempstead Lake	10488.7*	Max WS	36.13	36.13	0.00	0.00		0.00	1853.28		1152.32
Hempstead Lake	10468.6*	Max WS	36.13	36.13	0.00	0.00		0.00	1832.26		1148.61
Hempstead Lake	10448.5*	Max WS	36.13	36.13	0.00	0.00		0.00	1832.06		1143.41
Hempstead Lake	10428.4*	Max WS	36.13	36.13	0.00	0.00			1831.86		1138.10
Hempstead Lake	10408.3*	Max WS	36.13	36.13	0.00	0.00			1831.66		1131.38
Hempstead Lake	10388.2*	Max WS	36.13	36.13	0.00	0.00			1831.48		1125.16
Hempstead Lake	10368.1*	Max WS	36.13	36.13	0.00	0.00			1831.29		1119.81
Hempstead Lake	10348.0*	Max WS	36.13	36.13	0.00	0.00			1831.10		1114.92
Hempstead Lake	10327.9*	Max WS	36.13	36.13	0.00	0.00			1830.92		1111.76
Hempstead Lake	10307.8*	Max WS	36.13	36.13	0.00	0.00			1830.74		1108.87
Hempstead Lake	10287.7*	Max WS	36.13	36.13	0.00	0.00			1830.57		1106.03
Hempstead Lake	10267.6*	Max WS	36.13	36.13	0.00	0.00			1830.40		1103.22
Hempstead Lake	10247.4*	Max WS	36.13	36.13	0.00	0.00			1830.22		1100.48
Hempstead Lake	10227.3*	Max WS	36.13	36.13	0.00	0.00			1830.05		1097.90
Hempstead Lake	10207.2*	Max WS	36.13	36.13	0.00	0.00			1829.88		1095.41
Hempstead Lake	10187.1*	Max WS	36.13	36.13	0.00	0.00			1829.73		1092.90
Hempstead Lake	10167.0*	Max WS	36.13	36.13	0.00	0.00			1829.56		1090.44
Hempstead Lake	10146.9*	Max WS	36.13	36.13	0.00	0.00			1829.41		1088.24
Hempstead Lake	10126.8*	Max WS	36.13	36.13	0.00	0.00			1829.26		1085.97
Hempstead Lake	10106.7*	Max WS	36.13	36.13	0.00	0.00		0.01	1829.10		1129.76
Hempstead Lake	10086.6*	Max WS	36.13	36.13	0.00	0.00		0.04	1828.92		1166.34
Hempstead Lake	10066.5*	Max WS	36.13	36.13	0.00	0.00		0.12	1828.69		1176.37
Hempstead Lake	10046.4*	Max WS	36.13	36.13	0.00	0.00		0.26	1828.41		1187.72
Hempstead Lake	10026.2*	Max WS	36.13	36.13	0.00	0.00		0.42	1828.09		1199.27

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	36.13	36.13	0.00	0.00		0.64	1827.73		1210.87
Hempstead Lake	9986.073	Max WS	36.13	36.13	0.00	0.00		0.81	1827.42		1222.17
Hempstead Lake	9965.77*	Max WS	36.13	36.13	0.00	0.00		0.72	1827.36	0.00	1221.34
Hempstead Lake	9945.47*	Max WS	36.13	36.13	0.00	0.00		0.61	1827.33	0.00	1218.67
Hempstead Lake	9925.18*	Max WS	36.13	36.13	0.00	0.00		0.50	1827.29	0.01	1215.33
Hempstead Lake	9904.88*	Max WS	36.13	36.13	0.00	0.00		0.40	1827.25	0.02	1211.11
Hempstead Lake	9884.59*	Max WS	36.13	36.13	0.00	0.00		0.31	1827.20	0.03	1209.06
Hempstead Lake	9864.29*	Max WS	36.13	36.13	0.00	0.00		0.23	1827.15	0.05	1206.63
Hempstead Lake	9843.99*	Max WS	36.13	36.13	0.00	0.00		0.15	1827.08	0.07	1202.67
Hempstead Lake	9823.7*	Max WS	36.13	36.13	0.00	0.00		0.09	1827.00	0.09	1197.22
Hempstead Lake	9803.40*	Max WS	36.13	36.13	0.00	0.00		0.05	1826.89	0.12	1184.12
Hempstead Lake	9783.10*	Max WS	36.13	36.13	0.00	0.00		0.04	1826.76	0.16	1118.42
Hempstead Lake	9762.81*	Max WS	36.13	36.13	0.00	0.00		0.03	1826.62	0.20	1101.48
Hempstead Lake	9742.51*	Max WS	36.13	36.13	0.00	0.00		0.03	1826.47	0.25	1082.54
Hempstead Lake	9722.21*	Max WS	36.13	36.13	0.00	0.00		0.05	1826.30	0.31	1061.79
Hempstead Lake	9701.92*	Max WS	36.13	36.13	0.00	0.00		0.07	1826.11	0.39	1050.45
Hempstead Lake	9681.62*	Max WS	36.13	36.13	0.00	0.00		0.10	1825.92	0.46	1047.91
Hempstead Lake	9661.32*	Max WS	36.13	36.12	0.00	0.00		0.13	1825.72	0.55	1045.39
Hempstead Lake	9641.03*	Max WS	36.12	36.12	0.00	0.00		0.16	1825.52	0.64	1042.69
Hempstead Lake	9620.73*	Max WS	36.12	36.12	0.00	0.00		0.20	1825.29	0.75	1039.78
Hempstead Lake	9600.43*	Max WS	36.12	36.12	0.00	0.00		0.25	1825.05	0.86	1036.96
Hempstead Lake	9580.14*	Max WS	36.12	36.12	0.00	0.00		0.29	1824.84	0.95	1034.12
Hempstead Lake	9559.84*	Max WS	36.12	36.12	0.00	0.00		0.34	1824.60	1.07	1032.61
Hempstead Lake	9539.54*	Max WS	36.12	36.12	0.00	0.00		0.38	1824.36	1.21	1031.68
Hempstead Lake	9519.25*	Max WS	36.12	36.12	0.00	0.00		0.44	1824.09	1.35	1030.04
Hempstead Lake	9498.95*	Max WS	36.12	36.12	0.00	0.00		0.51	1823.80	1.50	1026.68
Hempstead Lake	9478.65*	Max WS	36.12	36.12	0.00	0.00		0.59	1823.50	1.66	1023.56
Hempstead Lake	9458.36*	Max WS	36.12	36.12	0.00	0.00		0.67	1823.18	1.83	1021.54
Hempstead Lake	9438.06*	Max WS	36.12	36.12	0.00	0.00		0.77	1822.85	2.00	1019.45
Hempstead Lake	9417.76*	Max WS	36.12	36.12	0.00	0.00		0.87	1822.50	2.19	1017.45
Hempstead Lake	9397.47*	Max WS	36.12	36.12	0.00	0.00		0.98	1822.13	2.38	1015.28
Hempstead Lake	9377.17*	Max WS	36.12	36.12	0.00	0.00		1.10	1821.75	2.58	1013.14
Hempstead Lake	9356.87*	Max WS	36.12	36.12	0.00	0.00		1.22	1821.36	2.80	1011.00
Hempstead Lake	9336.58*	Max WS	36.12	36.12	0.00	0.00		1.35	1820.94	3.03	1008.82
Hempstead Lake	9316.28*	Max WS	36.12	36.12	0.00	0.00		1.50	1820.50	3.26	1006.40
Hempstead Lake	9295.98*	Max WS	36.12	36.12	0.00	0.00		1.65	1820.05	3.51	1004.22
Hempstead Lake	9275.69*	Max WS	36.12	36.12	0.00	0.00		1.81	1819.58	3.76	1001.97
Hempstead Lake	9255.39*	Max WS	36.12	36.12	0.00	0.00		1.98	1819.09	4.04	999.81
Hempstead Lake	9235.09*	Max WS	36.12	36.12	0.00	0.00		2.16	1818.59	4.32	997.49
Hempstead Lake	9214.80*	Max WS	36.12	36.12	0.00	0.00		2.35	1818.05	4.61	995.33
Hempstead Lake	9194.50*	Max WS	36.12	36.12	0.00	0.00		2.55	1817.51	4.91	992.83
Hempstead Lake	9174.20*	Max WS	36.12	36.12	0.00	0.00		2.76	1816.93	5.23	990.71
Hempstead Lake	9153.910	Max WS	36.12	36.12	0.00	0.00		3.01	1817.05	4.81	988.34
Hempstead Lake	9133.22*	Max WS	36.12	36.12	0.00	0.00		3.00	1861.95	4.80	995.13
Hempstead Lake	9112.54*	Max WS	36.12	36.12	0.00	0.00		2.93	1862.08	4.70	1002.05
Hempstead Lake	9091.85*	Max WS	36.12	36.12	0.00	0.00		2.86	1862.19	4.60	1009.28
Hempstead Lake	9071.17*	Max WS	36.12	36.12	0.00	0.00		2.79	1862.31	4.50	1016.65
Hempstead Lake	9050.49*	Max WS	36.12	36.12	0.00	0.00		2.73	1862.43	4.40	1024.07
Hempstead Lake	9029.80*	Max WS	36.12	36.12	0.00	0.00		2.66	1862.55	4.30	1031.70
Hempstead Lake	9009.12*	Max WS	36.12	36.12	0.00	0.00		2.60	1862.66	4.21	1039.40
Hempstead Lake	8988.44*	Max WS	36.12	36.12	0.00	0.00		2.53	1862.78	4.11	1047.16
Hempstead Lake	8967.75*	Max WS	36.12	36.12	0.00	0.00		2.48	1862.89	4.01	1055.13
Hempstead Lake	8947.07*	Max WS	36.12	36.12	0.00	0.00		2.42	1862.99	3.91	1063.25
Hempstead Lake	8926.39*	Max WS	36.12	36.12	0.00	0.00		2.36	1863.10	3.81	1071.60
Hempstead Lake	8905.70*	Max WS	36.12	36.12	0.00	0.00		2.38	1863.01	3.83	1079.99
Hempstead Lake	8885.02*	Max WS	36.12	36.12	0.00	0.00		2.33	1863.11	3.74	1088.75
Hempstead Lake	8864.33*	Max WS	36.12	36.12	0.00	0.00		2.27	1863.22	3.63	1097.68
Hempstead Lake	8843.65*	Max WS	36.12	36.12	0.00	0.00		2.22	1863.32	3.53	1106.98
Hempstead Lake	8822.97*	Max WS	36.12	36.12	0.00	0.00		2.17	1863.41	3.43	1116.63
Hempstead Lake	8802.28*	Max WS	36.12	36.12	0.00	0.00		2.13	1863.52	3.33	1126.45
Hempstead Lake	8781.60*	Max WS	36.12	36.12	0.00	0.00		2.10	1863.61	3.23	1137.40
Hempstead Lake	8760.92*	Max WS	36.12	36.12	0.00	0.00		1.99	1863.76	3.14	1155.22
Hempstead Lake	8740.23*	Max WS	36.12	36.12	0.00	0.00		1.84	1863.97	3.04	1184.69
Hempstead Lake	8719.55*	Max WS	36.12	36.12	0.00	0.00		1.73	1864.13	2.94	1219.04
Hempstead Lake	8698.86*	Max WS	36.12	36.11	0.00	0.00		1.61	1864.31	2.84	1272.14
Hempstead Lake	8678.18*	Max WS	36.11	36.11	0.00	0.00		1.60	1864.37	2.74	1328.47
Hempstead Lake	8657.50*	Max WS	36.11	36.11	0.00	0.00		1.74	1864.28	2.65	1362.34
Hempstead Lake	8636.81*	Max WS	36.11	36.11	0.00	0.00		1.87	1864.21	2.55	1413.38
Hempstead Lake	8616.13*	Max WS	36.11	36.11	0.00	0.00		2.04	1864.08	2.45	1467.52
Hempstead Lake	8595.45*	Max WS	36.11	36.11	0.00	0.00		2.35	1863.83	2.36	1501.08
Hempstead Lake	8574.76*	Max WS	36.11	36.11	0.00	0.00		2.74	1863.50	2.26	1519.84
Hempstead Lake	8554.08*	Max WS	36.11	36.11	0.00	0.00		3.13	1863.16	2.17	1543.64

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	36.11	36.11	0.00	0.00		3.56	1862.79	2.08	1568.12
Hempstead Lake	8512.71*	Max WS	36.11	36.11	0.00	0.00		3.96	1828.33	1.94	1591.98
Hempstead Lake	8492.03*	Max WS	36.11	36.11	0.00	0.00		4.55	1861.94	1.89	1613.20
Hempstead Lake	8471.34*	Max WS	36.11	36.11	0.00	0.00		5.01	1827.27	1.77	1635.25
Hempstead Lake	8450.66*	Max WS	36.11	36.11	0.00	0.00		5.59	1826.70	1.68	1656.32
Hempstead Lake	8429.980	Max WS	36.11	36.11	0.00	0.00		6.11	1826.23	1.56	1676.91
Hempstead Lake	8416.34*	Max WS	36.11	36.11	0.00	0.00		5.93	1826.38	1.57	1686.42
Hempstead Lake	8402.71*	Max WS	36.11	36.11	0.00	0.00		5.75	1826.53	1.57	1697.31
Hempstead Lake	8389.07*	Max WS	36.11	36.11	0.00	0.00		5.55	1826.71	1.57	1709.23
Hempstead Lake	8375.44*	Max WS	36.11	36.11	0.00	0.00		5.39	1826.86	1.57	1719.66
Hempstead Lake	8361.81*	Max WS	36.11	36.11	0.00	0.00		5.23	1827.01	1.57	1731.53
Hempstead Lake	8348.17*	Max WS	36.11	36.11	0.00	0.00		4.99	1792.81	1.54	1741.26
Hempstead Lake	8334.54*	Max WS	36.11	36.11	0.00	0.00		4.94	1827.28	1.58	1750.37
Hempstead Lake	8320.91*	Max WS	36.11	36.11	0.00	0.00		4.72	1793.01	1.55	1759.22
Hempstead Lake	8307.27*	Max WS	36.11	36.11	0.00	0.00		4.59	1793.13	1.55	1769.80
Hempstead Lake	8293.64*	Max WS	36.11	36.11	0.00	0.00		4.37	1759.07	1.52	1781.29
Hempstead Lake	8280.00*	Max WS	36.11	36.11	0.00	0.00		4.25	1759.16	1.52	1793.35
Hempstead Lake	8266.37*	Max WS	36.11	36.11	0.00	0.00		4.13	1759.25	1.52	1806.18
Hempstead Lake	8252.74*	Max WS	36.11	36.11	0.00	0.00		4.08	1793.61	1.55	1819.97
Hempstead Lake	8239.10*	Max WS	36.11	36.11	0.00	0.00		3.89	1759.45	1.52	1833.61
Hempstead Lake	8225.47*	Max WS	36.11	36.11	0.00	0.00		3.72	1725.53	1.49	1845.47
Hempstead Lake	8211.84*	Max WS	36.11	36.11	0.00	0.00		3.63	1725.58	1.50	1858.71
Hempstead Lake	8198.20*	Max WS	36.11	36.11	0.00	0.00		3.54	1725.65	1.50	1871.90
Hempstead Lake	8184.57*	Max WS	36.11	36.11	0.00	0.00		3.46	1725.70	1.50	1885.26
Hempstead Lake	8170.93*	Max WS	36.11	36.11	0.00	0.00		3.37	1725.76	1.50	1901.30
Hempstead Lake	8157.30*	Max WS	36.11	36.11	0.00	0.00		3.28	1725.83	1.50	1923.98
Hempstead Lake	8143.67*	Max WS	36.11	36.11	0.00	0.00		3.15	1691.94	1.47	1942.55
Hempstead Lake	8130.03*	Max WS	36.11	36.11	0.00	0.00		3.06	1691.97	1.47	1968.64
Hempstead Lake	8116.40*	Max WS	36.11	36.11	0.00	0.00		3.05	1726.03	1.50	1996.32
Hempstead Lake	8102.76*	Max WS	36.11	36.11	0.00	0.00		2.95	1691.98	1.48	2014.96
Hempstead Lake	8089.13*	Max WS	36.11	36.11	0.00	0.00		2.97	1726.09	1.51	2033.40
Hempstead Lake	8075.50*	Max WS	36.11	36.11	0.00	0.00		3.52	1691.32	1.48	1976.00
Hempstead Lake	8061.86*	Max WS	36.11	36.11	0.00	0.00		3.55	1691.24	1.48	1980.05
Hempstead Lake	8048.23*	Max WS	36.11	36.11	0.00	0.00		3.59	1691.16	1.48	1993.70
Hempstead Lake	8034.6*	Max WS	36.11	36.11	0.00	0.00		3.64	1691.05	1.48	2012.02
Hempstead Lake	8020.96*	Max WS	36.11	36.11	0.00	0.00		3.68	1690.98	1.48	2053.54
Hempstead Lake	8007.33*	Max WS	36.11	36.11	0.00	0.00		3.75	1690.89	1.48	2090.91
Hempstead Lake	7993.69*	Max WS	36.11	36.11	0.00	0.00		5.40	2378.45	2.08	2141.27
Hempstead Lake	7980.06*	Max WS	36.11	36.11	0.00	0.00		5.69	2442.34	2.14	2194.50
Hempstead Lake	7966.43*	Max WS	36.11	36.11	0.00	0.00		6.05	2509.85	2.20	2234.29
Hempstead Lake	7952.79*	Max WS	36.11	36.11	0.00	0.00		6.41	2570.64	2.26	2281.25
Hempstead Lake	7939.16*	Max WS	36.11	36.11	0.00	0.00		6.64	2560.45	2.25	2315.23
Hempstead Lake	7925.53*	Max WS	36.11	36.11	0.00	0.00		6.81	2522.47	2.22	2349.66
Hempstead Lake	7911.89*	Max WS	36.11	36.11	0.00	0.00		6.96	2478.52	2.18	2389.82
Hempstead Lake	7898.26*	Max WS	36.11	36.11	0.00	0.00		6.27	2423.09	2.14	2932.15
Hempstead Lake	7884.62*	Max WS	36.11	36.11	0.00	0.00		6.02	2128.87	1.88	2936.66
Hempstead Lake	7870.99*	Max WS	36.11	36.11	0.00	0.00		6.46	2096.52	1.85	2940.42
Hempstead Lake	7857.36*	Max WS	36.11	36.11	0.00	0.00		7.07	2095.91	1.85	2946.09
Hempstead Lake	7843.72*	Max WS	36.11	36.11	0.00	0.00		7.67	2095.29	1.84	2951.21
Hempstead Lake	7830.09*	Max WS	36.11	36.11	0.00	0.00		8.34	2094.58	1.84	2957.12
Hempstead Lake	7816.45*	Max WS	36.11	36.11	0.00	0.00		8.91	2061.62	1.81	2963.65
Hempstead Lake	7802.82*	Max WS	36.11	36.11	0.00	0.00		9.44	2028.25	1.78	2970.09
Hempstead Lake	7789.19*	Max WS	36.11	36.11	0.00	0.00		10.19	2027.49	1.79	2976.87
Hempstead Lake	7775.55*	Max WS	36.11	36.11	0.00	0.00		10.75	1993.75	1.76	2983.90
Hempstead Lake	7761.92*	Max WS	36.11	36.11	0.00	0.00		11.51	1992.97	1.76	2991.83
Hempstead Lake	7748.29*	Max WS	36.11	36.11	0.00	0.00		12.10	1958.89	1.73	2999.37
Hempstead Lake	7734.65*	Max WS	36.11	36.11	0.00	0.00		13.13	1991.31	1.76	3008.58
Hempstead Lake	7721.02*	Max WS	36.11	36.11	0.00	0.00		14.00	1990.41	1.76	3017.53
Hempstead Lake	7707.38*	Max WS	36.11	36.11	0.00	0.00		14.82	1989.53	1.76	3026.60
Hempstead Lake	7693.75*	Max WS	36.11	36.11	0.00	0.00		15.46	1955.47	1.73	3039.04
Hempstead Lake	7680.12*	Max WS	36.11	36.11	0.00	0.00		16.03	1921.16	1.71	3050.21
Hempstead Lake	7666.48*	Max WS	36.11	36.11	0.00	0.00		17.23	1953.60	1.73	3062.33
Hempstead Lake	7652.85*	Max WS	36.11	36.11	0.00	0.00		17.82	1919.37	1.68	3082.37
Hempstead Lake	7639.22*	Max WS	36.11	36.11	0.00	0.00		18.43	1884.99	1.55	3131.38
Hempstead Lake	7625.58*	Max WS	36.11	36.11	0.00	0.00		19.39	1884.00	1.57	3144.92
Hempstead Lake	7611.95*	Max WS	36.11	36.11	0.00	0.00		20.64	1916.50	1.64	3157.87
Hempstead Lake	7598.31*	Max WS	36.11	36.11	0.00	0.00		21.24	1882.06	1.64	3170.60
Hempstead Lake	7584.68*	Max WS	36.11	36.11	0.00	0.00		22.57	1914.39	1.71	3184.59
Hempstead Lake	7571.05*	Max WS	36.11	36.11	0.00	0.00		23.17	1880.04	1.71	3198.25
Hempstead Lake	7557.41*	Max WS	36.11	36.11	0.00	0.00		23.70	1845.63	1.71	3215.95
Hempstead Lake	7543.783	Max WS	36.11	36.11	0.00	0.00		25.44	1877.66	1.78	3241.99
Hempstead Lake	7530.03*	Max WS	36.11	36.11	0.00	0.00		27.15	1896.30	2.01	3274.33

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	36.11	36.11	0.00	0.00		27.60	1862.06	2.01	3305.88
Hempstead Lake	7502.53*	Max WS	36.11	36.11	0.00	0.00		29.05	1894.16	2.14	3316.68
Hempstead Lake	7488.79*	Max WS	36.11	36.11	0.00	0.00		30.02	1893.03	2.24	3323.45
Hempstead Lake	7475.04*	Max WS	36.11	36.11	0.00	0.00		30.48	1858.87	2.29	3330.33
Hempstead Lake	7461.29*	Max WS	36.11	36.11	0.00	0.00		32.01	1890.71	2.44	3337.28
Hempstead Lake	7447.54*	Max WS	36.11	36.11	0.00	0.00		32.45	1856.68	2.48	3345.36
Hempstead Lake	7433.79*	Max WS	36.11	36.11	0.00	0.00		33.46	1855.55	2.57	3352.63
Hempstead Lake	7420.04*	Max WS	36.11	36.11	0.00	0.00		34.48	1854.40	2.66	3360.54
Hempstead Lake	7406.3*	Max WS	36.11	36.11	0.00	0.00		35.53	1853.22	2.76	3368.26
Hempstead Lake	7392.55*	Max WS	36.11	36.11	0.00	0.00		36.59	1852.03	2.85	3377.03
Hempstead Lake	7378.80*	Max WS	36.11	36.11	0.00	0.00		37.65	1850.85	2.93	3387.17
Hempstead Lake	7365.05*	Max WS	36.11	36.11	0.00	0.00		38.70	1849.66	3.02	3398.35
Hempstead Lake	7351.30*	Max WS	36.11	36.11	0.00	0.00		39.76	1848.48	3.09	3410.36
Hempstead Lake	7337.55*	Max WS	36.11	36.11	0.00	0.00		40.82	1847.02	3.17	3422.17
Hempstead Lake	7323.81*	Max WS	36.11	36.11	0.00	0.00		41.88	1845.35	3.25	3434.37
Hempstead Lake	7310.06*	Max WS	36.11	36.11	0.00	0.00		42.99	1843.69	3.33	3448.20
Hempstead Lake	7296.31*	Max WS	36.11	36.11	0.00	0.00		44.08	1841.90	3.40	3461.15
Hempstead Lake	7282.56*	Max WS	36.11	36.11	0.00	0.00		45.18	1840.01	3.47	3475.33
Hempstead Lake	7268.81*	Max WS	36.11	36.11	0.00	0.00		45.59	1809.49	3.49	3489.77
Hempstead Lake	7255.06*	Max WS	36.11	36.11	0.00	0.00		47.47	1837.14	3.60	3504.58
Hempstead Lake	7241.32*	Max WS	36.11	36.11	0.00	0.00		48.64	1835.46	3.67	3520.79
Hempstead Lake	7227.57*	Max WS	36.11	36.11	0.00	0.00		46.78	1722.53	117.75	5294.40
Hempstead Lake	7213.82*	Max WS	36.11	36.11	0.00	0.00		47.87	1720.81	117.78	5316.20
Hempstead Lake	7200.07*	Max WS	36.11	36.11	0.00	0.00		48.90	1717.17	119.62	5340.53
Hempstead Lake	7186.32*	Max WS	36.11	36.11	0.00	0.00		49.88	1713.50	121.52	5370.37
Hempstead Lake	7172.57*	Max WS	36.11	36.11	0.00	0.00		50.83	1709.89	123.52	5402.20
Hempstead Lake	7158.83*	Max WS	36.11	36.11	0.00	0.00		51.20	1685.98	121.99	5434.57
Hempstead Lake	7145.08*	Max WS	36.11	36.11	0.00	0.00		52.89	1705.12	125.76	5465.92
Hempstead Lake	7131.33*	Max WS	36.11	36.11	0.00	0.00		53.92	1701.72	128.02	5499.91
Hempstead Lake	7117.58*	Max WS	36.11	36.11	0.00	0.00		54.97	1698.21	130.36	5533.43
Hempstead Lake	7103.83*	Max WS	36.11	36.11	0.00	0.00		54.04	1698.68	130.69	5555.63
Hempstead Lake	7090.08*	Max WS	36.11	36.11	0.00	0.00		53.75	1699.79	129.37	5565.45
Hempstead Lake	7076.34*	Max WS	36.11	36.11	0.00	0.00		54.34	1674.74	130.19	5575.02
Hempstead Lake	7062.59*	Max WS	36.11	36.11	0.00	0.00		55.92	1691.93	133.58	5584.85
Hempstead Lake	7048.84*	Max WS	36.11	36.11	0.00	0.00		57.24	1690.26	133.79	5594.41
Hempstead Lake	7035.09*	Max WS	36.11	36.11	0.00	0.00		58.53	1686.14	136.48	5603.97
Hempstead Lake	7021.34*	Max WS	36.11	36.11	0.00	0.00		59.79	1681.88	139.31	5613.68
Hempstead Lake	7007.6*	Max WS	36.11	36.11	0.00	0.00		61.06	1677.50	142.27	5623.23
Hempstead Lake	6993.85*	Max WS	36.11	36.11	0.00	0.00		61.62	1653.88	143.71	5633.06
Hempstead Lake	6980.10*	Max WS	36.11	36.11	0.00	0.00		63.72	1671.15	145.64	5642.60
Hempstead Lake	6966.35*	Max WS	36.11	36.11	0.00	0.00		64.23	1647.66	147.30	5635.89
Hempstead Lake	6952.60*	Max WS	36.11	36.11	0.00	0.00		66.25	1661.50	152.43	5600.77
Hempstead Lake	6938.85*	Max WS	36.11	36.11	0.00	0.00		66.76	1637.94	154.47	5565.73
Hempstead Lake	6925.11*	Max WS	36.11	36.11	0.00	0.00		68.10	1635.55	155.47	5560.70
Hempstead Lake	6911.36*	Max WS	36.11	36.11	0.00	0.00		70.12	1647.91	161.66	5556.95
Hempstead Lake	6897.61*	Max WS	36.11	36.11	0.00	0.00		71.34	1641.79	166.39	5553.58
Hempstead Lake	6883.86*	Max WS	36.11	36.11	0.00	0.00		71.77	1617.72	169.58	5551.43
Hempstead Lake	6870.11*	Max WS	36.11	36.11	0.00	0.00		73.95	1632.50	172.72	5549.12
Hempstead Lake	6856.36*	Max WS	36.11	36.11	0.00	0.00		74.36	1608.41	176.24	5547.25
Hempstead Lake	6842.62*	Max WS	36.11	36.11	0.00	0.00		76.33	1618.59	183.88	5546.06
Hempstead Lake	6828.87*	Max WS	36.11	36.11	0.00	0.00		76.70	1594.19	188.06	5544.34
Hempstead Lake	6815.12*	Max WS	36.11	36.11	0.00	0.00		78.06	1591.05	189.80	5542.92
Hempstead Lake	6801.37*	Max WS	36.11	36.11	0.00	0.00		79.16	1582.59	197.11	5534.95
Hempstead Lake	6787.62*	Max WS	36.11	36.11	0.00	0.00		80.24	1574.31	204.26	5533.52
Hempstead Lake	6773.87*	Max WS	36.11	36.11	0.00	0.00		82.10	1562.76	213.90	5532.69
Hempstead Lake	6760.13*	Max WS	36.11	36.11	0.00	0.00		84.33	1574.88	218.35	5532.15
Hempstead Lake	6746.38*	Max WS	36.11	36.11	0.00	0.00		85.38	1564.71	226.65	5532.05
Hempstead Lake	6732.634	Max WS	36.11	36.11	0.00	0.00		84.54	1537.16	236.69	5531.42
Hempstead Lake	6718.98*	Max WS	36.11	36.11	0.00	0.00		98.90	1537.81	237.11	5506.66
Hempstead Lake	6705.33*	Max WS	36.11	36.11	0.00	0.00		100.08	1518.22	239.59	5481.79
Hempstead Lake	6691.68*	Max WS	36.11	36.11	0.00	0.00		102.14	1517.90	237.46	5456.39
Hempstead Lake	6678.03*	Max WS	36.11	36.11	0.00	0.00		102.94	1512.08	242.03	5430.74
Hempstead Lake	6664.38*	Max WS	36.11	36.11	0.00	0.00		104.71	1505.37	246.54	5404.65
Hempstead Lake	6650.72*	Max WS	36.11	36.11	0.00	0.00		107.12	1506.96	252.70	5374.28
Hempstead Lake	6637.07*	Max WS	36.11	36.11	0.00	0.00		108.98	1505.61	250.59	5342.04
Hempstead Lake	6623.42*	Max WS	36.11	36.11	0.00	0.00		110.85	1497.45	255.20	5306.85
Hempstead Lake	6609.77*	Max WS	36.11	36.11	0.00	0.00		112.40	1484.42	258.70	5266.10
Hempstead Lake	6596.12*	Max WS	36.11	36.11	0.00	0.00		114.44	1477.16	263.42	5219.61
Hempstead Lake	6582.47*	Max WS	36.11	36.11	0.00	0.00		116.41	1480.09	262.31	5203.20
Hempstead Lake	6568.82*	Max WS	36.11	36.11	0.00	0.00		119.27	1472.14	266.63	5187.33
Hempstead Lake	6555.17*	Max WS	36.11	36.11	0.00	0.00		121.40	1462.22	270.86	5171.25
Hempstead Lake	6541.52*	Max WS	36.11	36.11	0.00	0.00		122.89	1456.00	275.56	5156.13

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	36.11	36.11	0.00	0.00		125.35	1448.78	280.29	5142.99
Hempstead Lake	6514.22*	Max WS	36.11	36.11	0.00	0.00		128.50	1447.52	278.37	5128.59
Hempstead Lake	6500.57*	Max WS	36.11	36.11	0.00	0.00		131.33	1440.27	282.74	5112.96
Hempstead Lake	6486.91*	Max WS	36.11	36.11	0.00	0.00		134.15	1432.71	287.43	5097.29
Hempstead Lake	6473.26*	Max WS	36.11	36.11	0.00	0.00		137.07	1425.31	291.88	5082.03
Hempstead Lake	6459.61*	Max WS	36.11	36.11	0.00	0.00		140.04	1426.31	290.43	5066.94
Hempstead Lake	6445.96*	Max WS	36.11	36.11	0.00	0.00		169.72	1681.14	3.35	3734.02
Hempstead Lake	6432.31*	Max WS	36.11	36.11	0.00	0.00		175.95	1677.32	3.22	3727.97
Hempstead Lake	6418.66*	Max WS	36.11	36.11	0.00	0.00		179.46	1671.61	3.07	3721.91
Hempstead Lake	6405.01*	Max WS	36.11	36.11	0.00	0.00		184.39	1666.72	2.99	3715.86
Hempstead Lake	6391.36*	Max WS	36.11	36.11	0.00	0.00		189.69	1663.52	2.84	3709.80
Hempstead Lake	6377.71*	Max WS	36.11	36.11	0.00	0.00		194.87	1656.48	2.70	3703.75
Hempstead Lake	6364.06*	Max WS	36.11	36.11	0.00	0.00		201.78	1649.60	2.61	3697.70
Hempstead Lake	6350.41*	Max WS	36.11	36.11	0.00	0.00		207.81	1643.69	2.45	3691.64
Hempstead Lake	6336.76*	Max WS	36.11	36.11	0.00	0.00		214.13	1637.43	2.35	3666.71
Hempstead Lake	6323.11*	Max WS	36.11	36.11	0.00	0.00		219.68	1631.92	2.28	3655.73
Hempstead Lake	6309.45*	Max WS	36.11	36.11	0.00	0.00		226.71	1624.98	2.14	3644.22
Hempstead Lake	6295.80*	Max WS	36.11	36.11	0.00	0.00		237.65	1614.12	2.01	3633.21
Hempstead Lake	6282.15*	Max WS	36.11	36.11	0.00	0.00		244.63	1607.15	1.94	3622.63
Hempstead Lake	6268.507	Max WS	36.11	36.11	0.00	0.00		254.72	1597.40	1.55	3612.69
Hempstead Lake	6259.72*	Max WS	36.11	36.11	0.00	0.00		199.97	1652.47	1.20	3411.50
Hempstead Lake	6250.93*	Max WS	36.11	36.11	0.00	0.00		157.48	1695.24	0.90	3216.27
Hempstead Lake	6242.14*	Max WS	36.11	36.11	0.00	0.00		112.50	1605.23	135.79	3903.55
Hempstead Lake	6233.35*	Max WS	36.11	36.11	0.00	0.00		88.17	1678.60	86.65	3572.60
Hempstead Lake	6224.57*	Max WS	36.11	36.11	0.00	0.00		66.82	1734.61	51.96	3239.94
Hempstead Lake	6215.78*	Max WS	36.11	36.11	0.00	0.00		48.36	1775.89	29.11	2906.93
Hempstead Lake	6206.99*	Max WS	36.11	36.11	0.00	0.00		33.19	1805.95	14.33	2574.15
Hempstead Lake	6198.21*	Max WS	36.11	36.11	0.00	0.00		21.21	1826.18	5.94	2291.97
Hempstead Lake	6189.42*	Max WS	36.11	36.11	0.00	0.00		11.54	1839.98	1.79	1916.58
Hempstead Lake	6180.638	Max WS	36.11	36.11	0.00	0.00		5.07	1847.99	0.25	1541.19
Hempstead Lake	6177.638	Max WS	36.11	36.11	0.00			6.77	1846.22	0.31	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	21.85	21.77	0.08	0.09			1850.54		251.52
Hempstead Lake	5930.638	Max WS	21.75	21.71	0.04	0.05			1849.96		375.72
Hempstead Lake	5880.638	Max WS	21.70	21.67	0.03	0.04			1849.41		313.04
Hempstead Lake	5830.638	Max WS	21.66	21.63	0.03	0.05			1848.91		310.27
Hempstead Lake	5780.638	Max WS	21.60	21.56	0.04	0.08			1848.43		346.70
Hempstead Lake	5730.638	Max WS	21.52	21.47	0.04	0.08			1763.97	83.57	436.00
Hempstead Lake	5680.638	Max WS	21.44	21.41	0.03	0.06			1427.28	419.80	478.08
Hempstead Lake	5630.638	Max WS	21.38	21.35	0.03	0.06			1146.11	700.52	568.29
Hempstead Lake	5580.638	Max WS	21.32	21.29	0.03	0.07		0.43	1205.11	640.71	667.91
Hempstead Lake	5530.638	Max WS	21.25	21.22	0.03	0.11		3.79	1317.56	524.56	705.53
Hempstead Lake	5480.638	Max WS	21.13	21.09	0.04	0.23		0.65	1346.88	498.01	717.03
Hempstead Lake	5430.638	Max WS	20.88	20.82	0.06	0.18			1391.28	453.98	727.90
Hempstead Lake	5380.638	Max WS	20.66	20.56	0.09	0.26			1676.65	168.49	720.30
Hempstead Lake	5330.638	Max WS	19.89	19.74	0.16	0.72			1568.03	277.03	604.84
Hempstead Lake	5307.48*	Max WS	19.18	18.94	0.24	0.48			1838.22	6.76	453.23
Hempstead Lake	5284.32*	Max WS	18.62	18.48	0.14	0.17			1844.50		396.03
Hempstead Lake	5261.17*	Max WS	18.40	18.33	0.07	0.06			1841.97		415.04
Hempstead Lake	5238.01*	Max WS	18.33	18.29	0.04	0.03			1837.61		435.92
Hempstead Lake	5214.85*	Max WS	18.30	18.28	0.02	0.01			1833.48		458.54
Hempstead Lake	5191.70*	Max WS	18.29	18.28	0.02	0.01		0.21	1831.04		471.89
Hempstead Lake	5168.54*	Max WS	18.28	18.27	0.01	0.00		1.21	1829.26		478.61
Hempstead Lake	5145.39*	Max WS	18.28	18.27	0.01	0.00		2.70	1827.01		483.44
Hempstead Lake	5122.23*	Max WS	18.28	18.27	0.01	0.00		4.53	1825.17		487.06
Hempstead Lake	5099.07*	Max WS	18.27	18.27	0.01	0.00		6.80	1822.90		489.74
Hempstead Lake	5075.922	Max WS	18.27	18.27	0.00	0.00		3.85	1825.08		491.55
Hempstead Lake	5055.96*	Max WS	18.27	18.27	0.00	0.00		6.09	1822.84		649.78
Hempstead Lake	5036.01*	Max WS	18.27	18.27	0.00	0.00		3.37	1825.55		680.54
Hempstead Lake	5016.05*	Max WS	18.27	18.27	0.00	0.00		1.61	1827.31		688.13
Hempstead Lake	4996.10*	Max WS	18.27	18.27	0.00	0.00		0.56	1828.36		713.83
Hempstead Lake	4976.14*	Max WS	18.27	18.27	0.00	0.00		0.09	1828.82		738.66
Hempstead Lake	4956.192	Max WS	18.27	18.27	0.00	0.00		0.00	1828.90		746.84
Hempstead Lake	4936.44*	Max WS	18.27	18.27	0.00	0.00		0.10	1829.53		838.01
Hempstead Lake	4916.69*	Max WS	18.27	18.27	0.00	0.00		0.53	1828.34	0.03	895.10
Hempstead Lake	4896.94*	Max WS	18.27	18.27	0.00	0.00		1.34	1826.49	0.35	914.44
Hempstead Lake	4877.19*	Max WS	18.27	18.27	0.00	0.00		2.47	1824.51	1.20	942.98
Hempstead Lake	4857.44*	Max WS	18.27	18.27	0.00	0.00		4.04	1822.23	2.61	946.39
Hempstead Lake	4837.697	Max WS	18.27	18.27	0.00	0.00		2.34	1822.41	4.13	948.41
Hempstead Lake	4817.64*	Max WS	18.27	18.27	0.00	0.00		7.82	1898.44	3.58	945.25
Hempstead Lake	4797.59*	Max WS	18.27	18.27	0.00	0.00		10.44	1896.67	2.72	938.56
Hempstead Lake	4777.53*	Max WS	18.27	18.27	0.00	0.00		13.36	1893.67	2.07	931.75

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	18.27	18.27	0.00	0.00		16.72	1890.82	1.55	926.65
Hempstead Lake	4737.42*	Max WS	18.27	18.27	0.00	0.00		20.37	1888.22	1.21	924.88
Hempstead Lake	4717.37*	Max WS	18.27	18.27	0.00	0.00		24.32	1884.53	0.94	922.67
Hempstead Lake	4697.32*	Max WS	18.27	18.27	0.00	0.00		28.55	1879.83	0.71	920.25
Hempstead Lake	4677.26*	Max WS	18.27	18.27	0.00	0.00		33.59	1874.97	0.52	917.57
Hempstead Lake	4657.21*	Max WS	18.27	18.27	0.00	0.00		38.57	1870.80	0.38	914.86
Hempstead Lake	4637.16*	Max WS	18.27	18.27	0.00	0.00		43.55	1865.25	0.27	912.06
Hempstead Lake	4617.10*	Max WS	18.27	18.27	0.00	0.00		48.68	1860.20	0.18	909.12
Hempstead Lake	4597.05*	Max WS	18.27	18.27	0.00	0.00		53.95	1855.65	0.11	906.15
Hempstead Lake	4577.*	Max WS	18.27	18.27	0.00	0.00		60.00	1848.99	0.07	903.29
Hempstead Lake	4556.94*	Max WS	18.27	18.27	0.00	0.00		65.71	1843.31	0.04	900.33
Hempstead Lake	4536.893	Max WS	18.27	18.27	0.00	0.00		41.57	1867.46	0.01	897.37
Hempstead Lake	4516.70*	Max WS	18.27	18.27	0.00	0.00		78.17	1834.60	0.10	898.23
Hempstead Lake	4496.51*	Max WS	18.27	18.27	0.00	0.00		78.67	1833.92	0.27	898.59
Hempstead Lake	4476.32*	Max WS	18.27	18.27	0.00	0.00		77.36	1835.57	0.56	898.67
Hempstead Lake	4456.14*	Max WS	18.27	18.27	0.00	0.00		77.75	1834.77	0.96	898.23
Hempstead Lake	4435.95*	Max WS	18.27	18.27	0.00	0.00		78.21	1833.77	1.49	897.63
Hempstead Lake	4415.76*	Max WS	18.27	18.27	0.00	0.00		76.64	1834.09	2.13	896.52
Hempstead Lake	4395.57*	Max WS	18.27	18.27	0.00	0.00		77.09	1832.86	2.90	895.30
Hempstead Lake	4375.38*	Max WS	18.27	18.27	0.00	0.00		75.49	1833.58	3.78	893.83
Hempstead Lake	4355.20*	Max WS	18.27	18.27	0.00	0.00		76.17	1831.91	4.77	892.16
Hempstead Lake	4335.01*	Max WS	18.27	18.27	0.00	0.00		77.15	1829.84	5.86	890.88
Hempstead Lake	4314.82*	Max WS	18.27	18.27	0.00	0.00		76.05	1829.75	7.04	889.40
Hempstead Lake	4294.63*	Max WS	18.27	18.27	0.00	0.00		77.11	1826.83	8.32	887.91
Hempstead Lake	4274.44*	Max WS	18.27	18.27	0.00	0.00		76.00	1826.58	9.69	886.30
Hempstead Lake	4254.26*	Max WS	18.27	18.27	0.00	0.00		77.05	1824.65	11.12	884.61
Hempstead Lake	4234.07*	Max WS	18.27	18.27	0.00	0.00		78.19	1822.02	12.61	882.87
Hempstead Lake	4213.88*	Max WS	18.27	18.27	0.00	0.00		76.92	1821.18	14.17	881.14
Hempstead Lake	4193.69*	Max WS	18.27	18.27	0.00	0.00		78.09	1818.94	15.77	879.27
Hempstead Lake	4173.50*	Max WS	18.27	18.27	0.00	0.00		76.83	1818.54	17.42	877.38
Hempstead Lake	4153.320	Max WS	18.27	18.27	0.00	0.00		31.97	1861.25	19.56	875.43
Hempstead Lake	4131.85*	Max WS	18.27	18.27	0.00	0.00		68.85	1827.71	20.30	874.33
Hempstead Lake	4110.38*	Max WS	18.27	18.27	0.00	0.00		64.01	1830.86	21.48	873.35
Hempstead Lake	4088.91*	Max WS	18.27	18.27	0.00	0.00		60.86	1832.83	22.66	872.24
Hempstead Lake	4067.44*	Max WS	18.27	18.27	0.00	0.00		55.54	1836.90	23.90	871.21
Hempstead Lake	4045.97*	Max WS	18.27	18.27	0.00	0.00		50.14	1841.05	25.15	870.11
Hempstead Lake	4024.50*	Max WS	18.27	18.27	0.00	0.00		46.17	1844.20	26.43	869.11
Hempstead Lake	4003.034	Max WS	18.27	18.27	0.00	0.00		16.41	1871.83	28.09	868.12
Hempstead Lake	3984.01*	Max WS	18.27	18.27	0.00	0.00		32.26	1860.21	24.31	851.65
Hempstead Lake	3964.99*	Max WS	18.27	18.27	0.00	0.00		30.89	1864.67	20.77	834.96
Hempstead Lake	3945.97*	Max WS	18.27	18.27	0.00	0.00		28.47	1869.91	17.93	820.70
Hempstead Lake	3926.95*	Max WS	18.27	18.27	0.00	0.00		26.90	1874.15	15.26	809.51
Hempstead Lake	3907.93*	Max WS	18.27	18.27	0.00	0.00		24.79	1878.61	12.91	797.18
Hempstead Lake	3888.916	Max WS	18.27	18.26	0.00	0.00		9.29	1896.66	9.93	781.97
Hempstead Lake	3883.916	Max WS	18.27	18.26	0.00			7.16	1903.04	9.54	772.16
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	18.24	18.24	0.00	0.00		0.12	1913.26	3.10	752.82
Hempstead Lake	3858.916	Max WS	18.24	18.24	0.00	0.00		0.18	1913.87	2.91	752.17
Hempstead Lake	3826.579	Max WS	18.24	18.23	0.01	0.00		0.71	1915.24	0.05	737.36
Hempstead Lake	3821.579	Max WS	18.24	18.23	0.01			0.83	1915.16		710.30
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	18.21	18.20	0.01	0.00		18.15	1895.88		708.95
Hempstead Lake	3736.579	Max WS	18.21	18.20	0.01	0.00		11.32	1902.71		706.90
Hempstead Lake	3699.46*	Max WS	18.21	18.20	0.01	0.00		12.81	1901.21		707.90
Hempstead Lake	3662.35*	Max WS	18.21	18.20	0.01	0.00		13.78	1896.88	2.87	773.76
Hempstead Lake	3625.24*	Max WS	18.21	18.20	0.00	0.00		14.45	1885.65	13.90	825.95
Hempstead Lake	3588.13*	Max WS	18.21	18.20	0.00	0.00		15.48	1866.85	31.66	896.57
Hempstead Lake	3551.028	Max WS	18.21	18.20	0.00	0.00		14.36	1844.19	55.42	929.81
Hempstead Lake	3531.67*	Max WS	18.21	18.20	0.00	0.00		17.25	1845.41	51.29	913.39
Hempstead Lake	3512.33*	Max WS	18.21	18.20	0.00	0.00		16.40	1863.57	33.97	901.49
Hempstead Lake	3492.98*	Max WS	18.21	18.20	0.00	0.00		15.47	1878.74	19.31	886.94
Hempstead Lake	3473.63*	Max WS	18.20	18.20	0.00	0.00		14.52	1888.92	10.08	828.87
Hempstead Lake	3454.28*	Max WS	18.20	18.20	0.01	0.00		13.64	1896.77	3.09	769.95
Hempstead Lake	3434.93*	Max WS	18.20	18.20	0.01	0.00		12.60	1899.47	1.01	657.25
Hempstead Lake	3415.58*	Max WS	18.20	18.20	0.01	0.00		11.83	1900.21	1.04	643.63
Hempstead Lake	3396.239	Max WS	18.20	18.20	0.01	0.00		13.26	1898.56	1.27	629.89
Hempstead Lake	3376.88*	Max WS	18.20	18.20	0.01	0.00		12.24	1899.43	1.41	633.67
Hempstead Lake	3357.52*	Max WS	18.20	18.20	0.01	0.00		13.33	1898.33	1.82	637.61
Hempstead Lake	3338.16*	Max WS	18.20	18.20	0.01	0.00		14.51	1896.29	2.28	642.86
Hempstead Lake	3318.80*	Max WS	18.20	18.20	0.01	0.00		15.86	1894.43	2.78	648.80
Hempstead Lake	3299.44*	Max WS	18.20	18.20	0.01	0.00		17.53	1892.55	3.36	654.00
Hempstead Lake	3280.08*	Max WS	18.20	18.19	0.01	0.00		19.45	1889.26	3.98	659.56

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	18.20	18.19	0.01	0.00		21.67	1886.66	4.73	663.96
Hempstead Lake	3241.37*	Max WS	18.20	18.19	0.01	0.00		23.74	1883.87	5.44	667.87
Hempstead Lake	3222.01*	Max WS	18.20	18.19	0.01	0.00		26.46	1880.17	6.42	670.55
Hempstead Lake	3202.65*	Max WS	18.20	18.19	0.01	0.00		29.41	1876.16	7.47	673.18
Hempstead Lake	3183.29*	Max WS	18.20	18.19	0.01	0.00		32.75	1871.62	8.67	674.97
Hempstead Lake	3163.93*	Max WS	18.20	18.19	0.01	0.00		36.22	1866.54	9.92	676.60
Hempstead Lake	3144.581	Max WS	18.20	18.19	0.01	0.00		35.90	1866.58	10.20	677.82
Hempstead Lake	3124.73*	Max WS	18.20	18.19	0.01	0.00		35.41	1867.77	9.83	680.84
Hempstead Lake	3104.89*	Max WS	18.20	18.19	0.01	0.00		35.99	1867.26	9.76	682.99
Hempstead Lake	3085.04*	Max WS	18.20	18.19	0.01	0.00		36.42	1866.55	9.70	685.29
Hempstead Lake	3065.2*	Max WS	18.20	18.19	0.01	0.00		37.10	1865.95	9.62	687.46
Hempstead Lake	3045.35*	Max WS	18.20	18.19	0.01	0.00		36.82	1866.51	9.33	691.03
Hempstead Lake	3025.51*	Max WS	18.20	18.19	0.01	0.00		37.51	1865.94	9.20	694.35
Hempstead Lake	3005.66*	Max WS	18.20	18.19	0.01	0.00		38.29	1865.20	9.17	696.69
Hempstead Lake	2985.81*	Max WS	18.19	18.19	0.01	0.00		38.40	1865.38	8.87	698.23
Hempstead Lake	2965.974	Max WS	18.19	18.19	0.01	0.00		41.72	1861.32	9.31	699.36
Hempstead Lake	2951.87*	Max WS	18.19	18.19	0.01	0.00		46.20	1856.50	9.94	700.53
Hempstead Lake	2937.77*	Max WS	18.19	18.19	0.01	0.00		46.57	1856.35	9.71	701.94
Hempstead Lake	2923.67*	Max WS	18.19	18.19	0.01	0.00		47.19	1855.65	9.51	703.31
Hempstead Lake	2909.57*	Max WS	18.19	18.19	0.01	0.00		47.54	1855.80	9.28	704.58
Hempstead Lake	2895.47*	Max WS	18.19	18.19	0.01	0.00		47.82	1855.73	9.07	706.37
Hempstead Lake	2881.37*	Max WS	18.19	18.19	0.01	0.00		48.01	1855.74	8.86	707.91
Hempstead Lake	2867.27*	Max WS	18.19	18.19	0.01	0.00		48.22	1855.49	8.63	709.54
Hempstead Lake	2853.17*	Max WS	18.19	18.19	0.01	0.00		48.24	1855.96	8.40	712.44
Hempstead Lake	2839.07*	Max WS	18.19	18.19	0.01	0.00		47.62	1856.54	8.17	719.39
Hempstead Lake	2824.98*	Max WS	18.19	18.19	0.01	0.00		46.82	1857.56	7.96	727.36
Hempstead Lake	2810.88*	Max WS	18.19	18.19	0.00	0.00		46.23	1858.38	7.73	734.99
Hempstead Lake	2796.78*	Max WS	18.19	18.19	0.00	0.00		45.51	1859.30	7.53	744.37
Hempstead Lake	2782.68*	Max WS	18.19	18.19	0.00	0.00		44.80	1860.25	7.28	752.52
Hempstead Lake	2768.58*	Max WS	18.19	18.19	0.00	0.00		44.60	1860.43	7.06	758.84
Hempstead Lake	2754.48*	Max WS	18.19	18.19	0.00	0.00		44.41	1861.34	6.80	764.66
Hempstead Lake	2740.38*	Max WS	18.19	18.19	0.00	0.00		44.46	1861.28	6.59	769.27
Hempstead Lake	2726.28*	Max WS	18.19	18.19	0.00	0.00		44.52	1861.67	6.35	774.13
Hempstead Lake	2712.18*	Max WS	18.19	18.19	0.00	0.00		44.58	1861.61	6.12	778.83
Hempstead Lake	2698.08*	Max WS	18.19	18.18	0.00	0.00		44.45	1862.17	5.90	784.51
Hempstead Lake	2683.98*	Max WS	18.19	18.18	0.00	0.00		44.39	1862.26	5.67	790.36
Hempstead Lake	2669.88*	Max WS	18.19	18.18	0.00	0.00		44.45	1862.41	5.45	795.66
Hempstead Lake	2655.78*	Max WS	18.19	18.18	0.00	0.00		44.46	1862.60	5.24	802.42
Hempstead Lake	2641.68*	Max WS	18.19	18.18	0.00	0.00		44.11	1863.23	4.96	812.54
Hempstead Lake	2627.58*	Max WS	18.19	18.18	0.00	0.00		43.98	1863.61	4.71	821.62
Hempstead Lake	2613.48*	Max WS	18.19	18.18	0.00	0.00		43.18	1864.63	4.47	837.91
Hempstead Lake	2599.38*	Max WS	18.19	18.18	0.00	0.00		42.30	1865.71	4.27	856.56
Hempstead Lake	2585.29*	Max WS	18.19	18.18	0.00	0.00		42.70	1865.48	4.10	866.48
Hempstead Lake	2571.19*	Max WS	18.19	18.18	0.00	0.00		43.17	1865.17	3.93	873.16
Hempstead Lake	2557.091	Max WS	18.19	18.18	0.00	0.00		69.15	1837.05	5.91	876.59
Hempstead Lake	2552.091	Max WS	18.19	18.18	0.01			63.86	1838.40	9.85	878.50
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	18.17	18.16	0.01	0.00		96.20	1813.48	2.43	866.81
Hempstead Lake	2487.091	Max WS	18.17	18.17	0.00	0.00		74.89	1835.98	1.24	864.91
Hempstead Lake	2477.12*	Max WS	18.17	18.17	0.00	0.00		54.22	1855.99	1.89	870.33
Hempstead Lake	2467.14*	Max WS	18.17	18.17	0.00	0.00		60.88	1847.48	3.74	877.32
Hempstead Lake	2457.17*	Max WS	18.17	18.17	0.00	0.00		67.80	1837.84	6.45	887.92
Hempstead Lake	2447.20*	Max WS	18.17	18.17	0.00	0.00		75.17	1826.20	10.57	897.31
Hempstead Lake	2437.23*	Max WS	18.17	18.17	0.00	0.00		107.53	1783.27	21.28	902.18
Hempstead Lake	2427.26*	Max WS	18.17	18.17	0.00	0.00		115.97	1765.50	30.61	906.68
Hempstead Lake	2417.29*	Max WS	18.17	18.17	0.00	0.00		124.53	1745.59	41.83	910.07
Hempstead Lake	2407.32*	Max WS	18.17	18.17	0.00	0.00		107.49	1760.21	44.24	913.49
Hempstead Lake	2397.35*	Max WS	18.17	18.16	0.00	0.00		116.30	1738.54	57.23	917.11
Hempstead Lake	2387.37*	Max WS	18.17	18.16	0.00	0.00		124.97	1714.78	72.19	920.52
Hempstead Lake	2377.40*	Max WS	18.17	18.16	0.00	0.00		133.88	1688.92	89.13	923.91
Hempstead Lake	2367.43*	Max WS	18.17	18.16	0.00	0.00		143.47	1660.14	108.44	926.79
Hempstead Lake	2357.46*	Max WS	18.17	18.16	0.00	0.00		152.51	1629.85	129.57	929.50
Hempstead Lake	2347.49*	Max WS	18.17	18.16	0.00	0.00		161.59	1597.74	152.70	932.20
Hempstead Lake	2337.52*	Max WS	18.17	18.16	0.00	0.00		170.72	1563.07	178.14	934.71
Hempstead Lake	2327.55*	Max WS	18.17	18.16	0.00	0.00		179.77	1526.86	205.39	937.36
Hempstead Lake	2317.58*	Max WS	18.17	18.16	0.00	0.00		188.59	1488.72	234.70	944.43
Hempstead Lake	2307.60*	Max WS	18.17	18.16	0.00	0.00		197.67	1448.09	266.16	962.71
Hempstead Lake	2297.63*	Max WS	18.17	18.16	0.00	0.00		206.38	1406.60	298.94	978.04
Hempstead Lake	2287.66*	Max WS	18.17	18.16	0.00	0.00		214.88	1363.68	333.43	992.87
Hempstead Lake	2277.69*	Max WS	18.17	18.16	0.00	0.00		224.04	1325.48	362.40	1020.47
Hempstead Lake	2267.72*	Max WS	18.17	18.16	0.00	0.00		233.99	1291.08	386.85	1059.02
Hempstead Lake	2257.752	Max WS	18.17	18.16	0.00	0.00		305.50	1075.94	530.47	1081.18

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

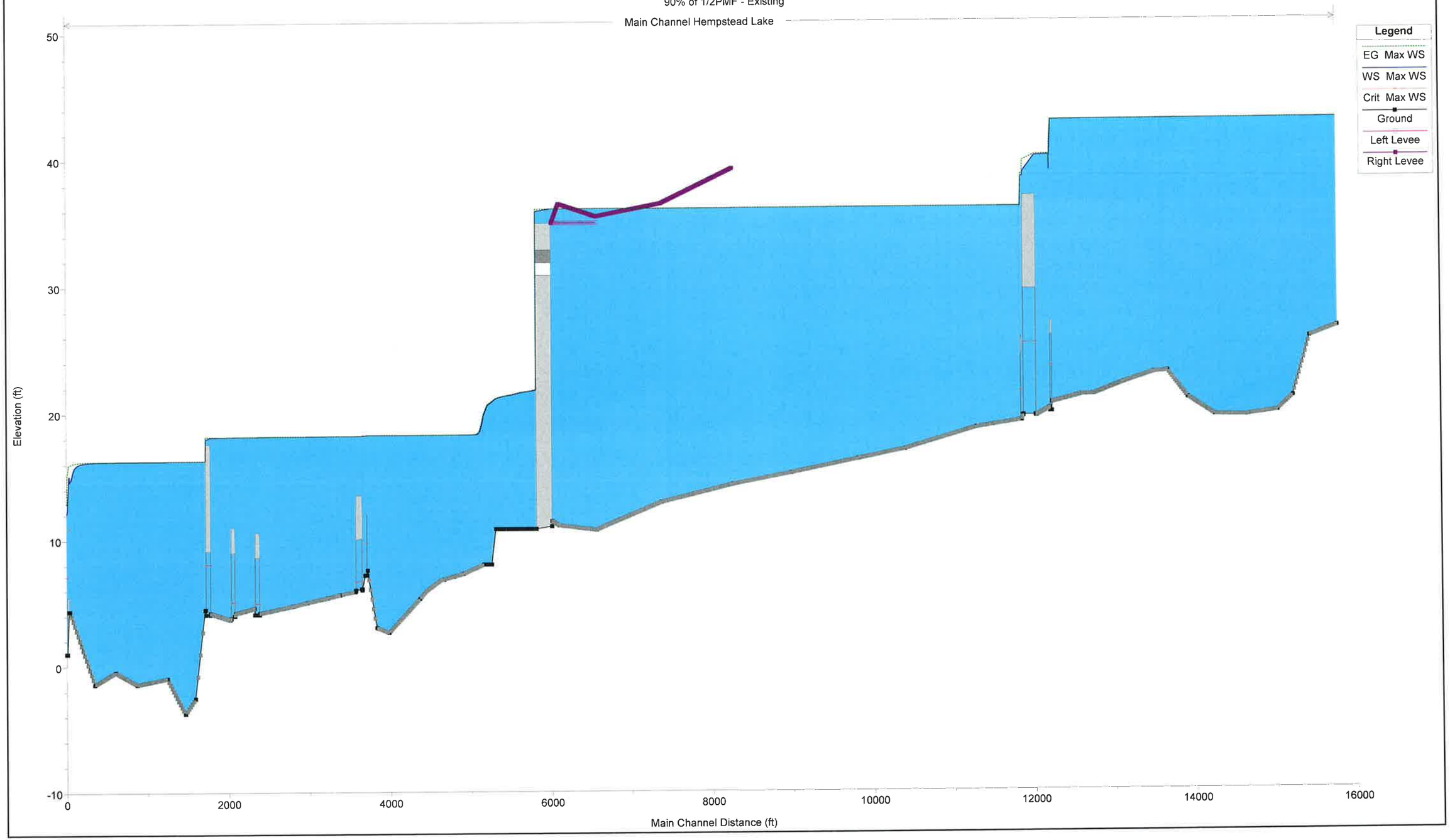
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	18.17	18.16	0.00	0.00		315.84	1087.63	508.44	1061.08
Hempstead Lake	2247.752	Max WS	18.17	18.16	0.00			381.26	945.79	584.85	1026.32
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	18.16	18.15	0.01	0.00		251.29	1071.14	589.41	883.55
Hempstead Lake	2192.75*	Max WS	18.15	18.15	0.01	0.00		341.56	1095.45	474.90	880.19
Hempstead Lake	2187.752	Max WS	18.15	18.15	0.01	0.00		432.11	1082.54	397.19	876.94
Hempstead Lake	2178.63*	Max WS	18.15	18.15	0.01	0.00		420.74	1101.48	389.67	873.50
Hempstead Lake	2169.52*	Max WS	18.15	18.15	0.01	0.00		409.22	1120.59	382.08	870.25
Hempstead Lake	2160.40*	Max WS	18.16	18.15	0.01	0.00		397.60	1140.18	374.11	867.02
Hempstead Lake	2151.29*	Max WS	18.16	18.15	0.01	0.00		385.97	1160.08	365.80	863.64
Hempstead Lake	2142.17*	Max WS	18.16	18.15	0.01	0.00		373.88	1181.06	356.94	860.34
Hempstead Lake	2133.05*	Max WS	18.16	18.15	0.01	0.00		361.68	1202.00	348.20	856.65
Hempstead Lake	2123.94*	Max WS	18.16	18.15	0.01	0.00		349.33	1223.49	339.02	853.23
Hempstead Lake	2114.82*	Max WS	18.16	18.15	0.01	0.00		336.54	1245.61	329.72	849.82
Hempstead Lake	2105.71*	Max WS	18.16	18.14	0.01	0.00		323.73	1268.33	319.80	846.58
Hempstead Lake	2096.59*	Max WS	18.16	18.14	0.01	0.00		310.81	1291.29	309.73	843.29
Hempstead Lake	2087.48*	Max WS	18.16	18.14	0.01	0.00		297.65	1315.25	298.93	839.79
Hempstead Lake	2078.36*	Max WS	18.16	18.14	0.01	0.00		284.07	1339.71	288.06	836.95
Hempstead Lake	2069.25*	Max WS	18.16	18.14	0.02	0.00		270.31	1364.92	276.63	834.09
Hempstead Lake	2060.13*	Max WS	18.16	18.14	0.02	0.00		256.27	1390.61	264.95	831.79
Hempstead Lake	2051.01*	Max WS	18.16	18.14	0.02	0.00		242.16	1416.76	252.93	829.37
Hempstead Lake	2041.90*	Max WS	18.16	18.14	0.02	0.00		228.35	1447.33	236.16	842.72
Hempstead Lake	2032.78*	Max WS	18.16	18.14	0.02	0.00		213.93	1477.55	220.32	857.91
Hempstead Lake	2023.67*	Max WS	18.16	18.14	0.02	0.00		198.80	1506.96	206.06	869.93
Hempstead Lake	2014.55*	Max WS	18.16	18.13	0.03	0.00		184.27	1540.37	187.16	910.21
Hempstead Lake	2005.44*	Max WS	18.16	18.13	0.03	0.00		168.40	1565.04	178.38	911.87
Hempstead Lake	1996.32*	Max WS	18.16	18.13	0.03	0.00		152.90	1588.85	170.07	911.16
Hempstead Lake	1987.20*	Max WS	18.16	18.13	0.03	0.00		137.42	1612.59	161.80	909.86
Hempstead Lake	1978.09*	Max WS	18.16	18.13	0.04	0.00		121.94	1636.30	153.57	908.46
Hempstead Lake	1968.97*	Max WS	18.16	18.13	0.04	0.00		106.22	1659.59	145.99	907.09
Hempstead Lake	1959.86*	Max WS	18.16	18.12	0.04	0.00		91.01	1682.74	138.06	904.40
Hempstead Lake	1950.747	Max WS	18.16	18.12	0.04	0.00		76.38	1705.11	130.31	901.05
Hempstead Lake	1945.747	Max WS	18.17	18.13	0.04			105.92	1150.41	655.47	946.46
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	16.27	16.27	0.00	0.00			156.01	303.56	848.11
Hempstead Lake	1880.747	Max WS	16.27	16.27	0.00	0.00		0.04	376.04	83.48	887.85
Hempstead Lake	1848.83*	Max WS	16.27	16.27	0.00	0.00		1.36	434.55	23.58	1009.66
Hempstead Lake	1816.92*	Max WS	16.27	16.27	0.00	0.00		3.46	446.51	9.48	1059.90
Hempstead Lake	1785.01*	Max WS	16.27	16.27	0.00	0.00		5.87	447.36	6.18	1087.84
Hempstead Lake	1753.104	Max WS	16.27	16.27	0.00	0.00		3.39	454.34	1.63	1209.12
Hempstead Lake	1732.65*	Max WS	16.27	16.27	0.00	0.00		9.21	442.92	7.20	1243.12
Hempstead Lake	1712.21*	Max WS	16.27	16.27	0.00	0.00		9.67	439.19	10.43	1285.19
Hempstead Lake	1691.76*	Max WS	16.27	16.27	0.00	0.00		10.17	434.59	14.50	1324.94
Hempstead Lake	1671.32*	Max WS	16.27	16.27	0.00	0.00		10.72	429.10	19.42	1359.93
Hempstead Lake	1650.87*	Max WS	16.27	16.27	0.00	0.00		11.25	422.77	25.18	1393.63
Hempstead Lake	1630.434	Max WS	16.27	16.27	0.00	0.00		5.60	428.88	24.68	1424.31
Hempstead Lake	1610.36*	Max WS	16.27	16.27	0.00	0.00		11.65	417.95	29.53	1411.27
Hempstead Lake	1590.30*	Max WS	16.27	16.27	0.00	0.00		9.87	421.80	27.42	1396.60
Hempstead Lake	1570.23*	Max WS	16.27	16.27	0.00	0.00		8.20	425.51	25.33	1380.04
Hempstead Lake	1550.17*	Max WS	16.27	16.27	0.00	0.00		6.44	429.26	23.29	1360.92
Hempstead Lake	1530.10*	Max WS	16.27	16.27	0.00	0.00		5.04	432.65	21.26	1341.35
Hempstead Lake	1510.03*	Max WS	16.27	16.27	0.00	0.00		3.70	436.30	18.89	1321.53
Hempstead Lake	1489.97*	Max WS	16.27	16.27	0.00	0.00		2.61	439.30	16.93	1299.62
Hempstead Lake	1469.90*	Max WS	16.27	16.27	0.00	0.00		1.69	442.07	15.01	1273.98
Hempstead Lake	1449.83*	Max WS	16.27	16.27	0.00	0.00		0.97	444.58	13.17	1240.68
Hempstead Lake	1429.77*	Max WS	16.27	16.27	0.00	0.00		0.51	446.75	11.40	1185.68
Hempstead Lake	1409.707	Max WS	16.27	16.27	0.00	0.00		0.11	448.95	13.74	1158.87
Hempstead Lake	1389.03*	Max WS	16.26	16.25	0.01	0.00		2.97	9789.86	206.51	1151.27
Hempstead Lake	1368.35*	Max WS	16.26	16.25	0.01	0.00		3.75	9786.31	209.24	1145.07
Hempstead Lake	1347.67*	Max WS	16.26	16.25	0.01	0.00		3.68	9783.57	211.98	1155.73
Hempstead Lake	1326.99*	Max WS	16.26	16.25	0.01	0.00		4.42	9777.38	214.89	1170.70
Hempstead Lake	1306.32*	Max WS	16.26	16.25	0.01	0.00		6.21	9767.20	225.70	1175.04
Hempstead Lake	1285.64*	Max WS	16.26	16.25	0.01	0.00		8.37	9760.85	229.80	1173.06
Hempstead Lake	1264.96*	Max WS	16.26	16.25	0.01	0.00		10.84	9751.52	234.31	1167.88
Hempstead Lake	1244.28*	Max WS	16.26	16.25	0.01	0.00		13.67	9743.71	239.28	1160.71
Hempstead Lake	1223.61*	Max WS	16.26	16.25	0.01	0.00		16.76	9734.81	245.07	1151.40
Hempstead Lake	1202.93*	Max WS	16.26	16.25	0.01	0.00		20.13	9724.82	251.64	1140.79
Hempstead Lake	1182.25*	Max WS	16.26	16.25	0.01	0.00		23.63	9713.75	259.19	1128.52
Hempstead Lake	1161.57*	Max WS	16.26	16.25	0.01	0.00		27.40	9703.52	265.61	1120.78
Hempstead Lake	1140.90*	Max WS	16.26	16.25	0.01	0.00		31.32	9693.72	271.45	1114.24
Hempstead Lake	1120.22*	Max WS	16.26	16.25	0.01	0.00		36.54	9673.49	286.41	1107.88
Hempstead Lake	1099.54*	Max WS	16.26	16.25	0.01	0.00		40.83	9662.81	292.75	1101.29

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	16.26	16.25	0.01	0.00		45.27	9651.59	299.48	1094.73
Hempstead Lake	1058.19*	Max WS	16.26	16.25	0.01	0.00		49.87	9640.46	305.95	1088.30
Hempstead Lake	1037.515	Max WS	16.26	16.25	0.01	0.00		50.11	9372.02	572.34	1081.78
Hempstead Lake	1017.08*	Max WS	16.26	16.24	0.01	0.00		149.50	9593.53	336.43	1074.21
Hempstead Lake	996.645*	Max WS	16.26	16.24	0.01	0.00		184.51	9512.43	382.52	1066.73
Hempstead Lake	976.210*	Max WS	16.26	16.24	0.01	0.00		224.72	9435.25	419.46	1059.09
Hempstead Lake	955.775*	Max WS	16.26	16.24	0.01	0.00		269.61	9342.82	466.98	1051.43
Hempstead Lake	935.340*	Max WS	16.26	16.24	0.01	0.00		313.20	9260.23	505.95	1043.89
Hempstead Lake	914.905*	Max WS	16.26	16.24	0.01	0.00		367.54	9156.25	555.56	1036.18
Hempstead Lake	894.471*	Max WS	16.26	16.24	0.01	0.00		431.72	9052.70	594.90	1029.19
Hempstead Lake	874.036*	Max WS	16.25	16.24	0.01	0.00		497.88	8936.34	645.06	1022.22
Hempstead Lake	853.601*	Max WS	16.25	16.24	0.01	0.00		561.86	8831.05	686.34	1014.88
Hempstead Lake	833.166*	Max WS	16.25	16.24	0.01	0.00		640.24	8701.16	737.79	1007.20
Hempstead Lake	812.731*	Max WS	16.25	16.24	0.01	0.00		734.81	8566.89	777.43	999.13
Hempstead Lake	792.296*	Max WS	16.25	16.24	0.01	0.00		826.88	8422.10	828.78	991.28
Hempstead Lake	771.862	Max WS	16.25	16.24	0.01	0.00		391.26	8866.50	820.00	985.45
Hempstead Lake	750.331*	Max WS	16.25	16.24	0.01	0.00		790.11	8542.68	778.99	986.65
Hempstead Lake	728.8*	Max WS	16.25	16.23	0.01	0.00		656.62	8757.93	697.21	990.10
Hempstead Lake	707.269*	Max WS	16.25	16.23	0.02	0.00		539.56	8966.99	605.19	992.66
Hempstead Lake	685.738*	Max WS	16.25	16.23	0.02	0.00		428.17	9168.30	515.24	994.04
Hempstead Lake	664.207*	Max WS	16.25	16.23	0.02	0.00		326.28	9356.36	429.03	993.46
Hempstead Lake	642.676*	Max WS	16.24	16.22	0.02	0.00		232.39	9524.05	355.17	990.75
Hempstead Lake	621.145*	Max WS	16.24	16.22	0.02	0.00		154.96	9675.42	281.19	983.58
Hempstead Lake	599.614*	Max WS	16.24	16.22	0.02	0.00		92.12	9803.43	215.95	969.52
Hempstead Lake	578.083*	Max WS	16.24	16.22	0.02	0.00		44.59	9905.81	161.06	941.12
Hempstead Lake	556.552*	Max WS	16.24	16.22	0.02	0.00		13.92	9976.87	120.60	879.57
Hempstead Lake	535.021*	Max WS	16.24	16.21	0.03	0.00		2.55	10016.45	92.33	693.56
Hempstead Lake	513.490	Max WS	16.24	16.21	0.03	0.00		0.09	9944.79	166.41	670.25
Hempstead Lake	493.038*	Max WS	16.24	16.21	0.03	0.00		0.08	10057.54	89.73	652.71
Hempstead Lake	472.587*	Max WS	16.24	16.20	0.03	0.00		0.05	10062.87	84.43	635.05
Hempstead Lake	452.136*	Max WS	16.24	16.20	0.04	0.00		0.02	10069.12	78.20	617.15
Hempstead Lake	431.685*	Max WS	16.23	16.19	0.05	0.00		0.01	10076.33	71.00	599.20
Hempstead Lake	411.234*	Max WS	16.23	16.17	0.06	0.00		0.00	10085.29	62.02	581.00
Hempstead Lake	390.783*	Max WS	16.23	16.16	0.07	0.00			10094.27	53.02	563.04
Hempstead Lake	370.332*	Max WS	16.22	16.14	0.09	0.01			10103.96	43.31	545.34
Hempstead Lake	349.881*	Max WS	16.22	16.11	0.11	0.01			10114.12	33.12	527.49
Hempstead Lake	329.430*	Max WS	16.21	16.07	0.14	0.01			10124.25	22.96	509.61
Hempstead Lake	308.979*	Max WS	16.20	16.01	0.19	0.02			10134.04	13.14	491.34
Hempstead Lake	288.528*	Max WS	16.18	15.92	0.26	0.03			10142.32	4.82	472.42
Hempstead Lake	268.077*	Max WS	16.15	15.76	0.39	0.04			10146.76	0.34	448.10
Hempstead Lake	247.626*	Max WS	16.12	15.43	0.69	0.06			10146.97		410.28
Hempstead Lake	227.175*	Max WS	16.07	14.90	1.17	0.06			10147.03		152.69
Hempstead Lake	206.724	Max WS	16.01	14.61	1.41	0.01			10147.02		142.25
Hempstead Lake	201.724	Max WS	15.99	15.09	0.91				10147.02		160.73
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	12.93	12.16	0.76	0.00		3201.88	6945.14		147.48
Hempstead Lake	166.724	Max WS	12.92	12.16	0.76			3201.65	6945.36		147.46

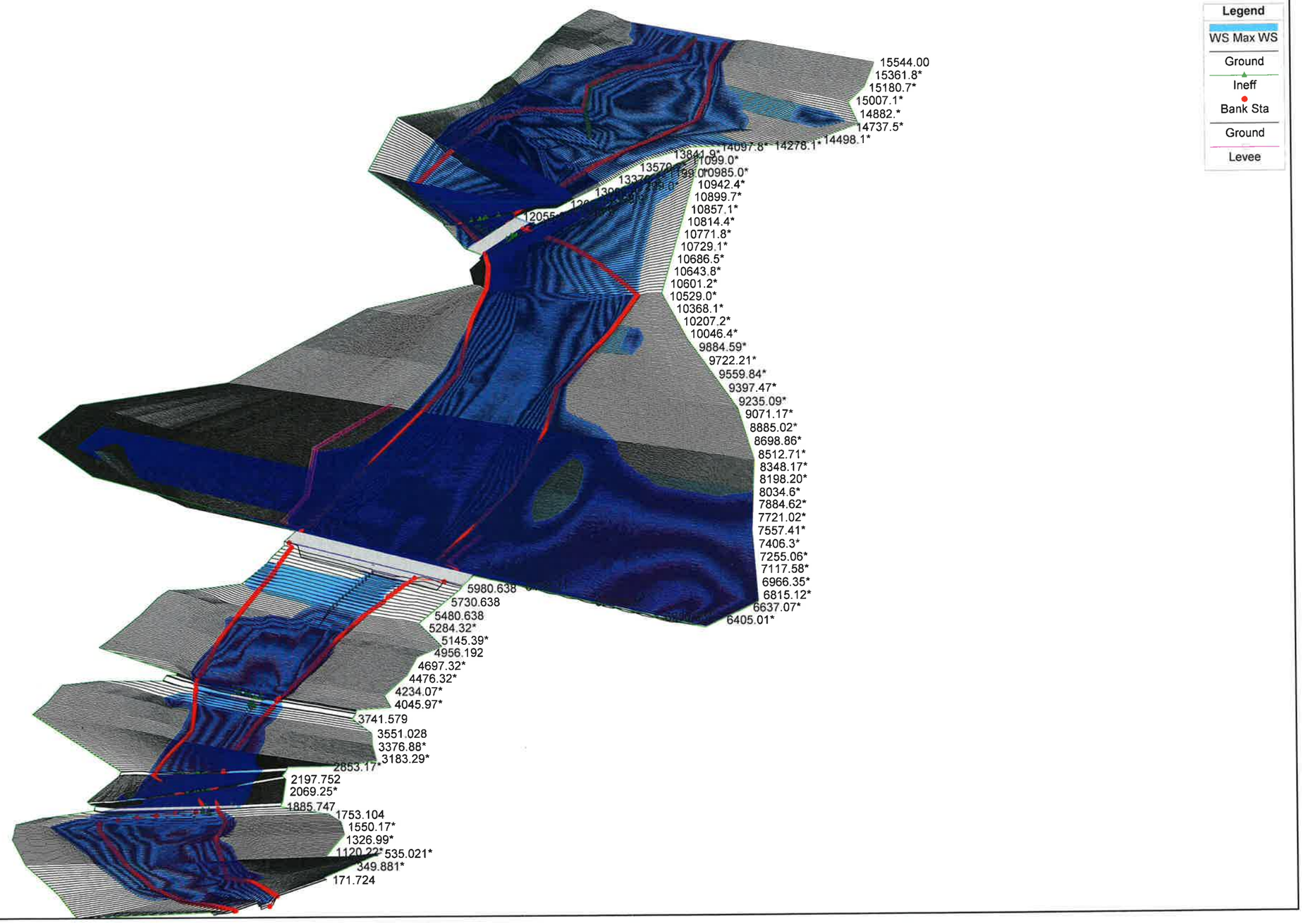
Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

90% of 1/2PMF - Existing



Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

90% of 1/2PMF - Existing



80% Existing Half PMF Breach 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	41.94	41.93	0.01	0.00		210.45	3111.34	2317.63	806.17
Hempstead Lake	15523.7*	Max WS	41.94	41.92	0.01	0.00		473.59	2997.16	2168.65	797.03
Hempstead Lake	15503.5*	Max WS	41.93	41.92	0.01	0.00		456.52	3043.21	2139.63	790.37
Hempstead Lake	15483.3*	Max WS	41.93	41.92	0.01	0.00		433.82	3093.96	2111.54	786.30
Hempstead Lake	15463.0*	Max WS	41.93	41.92	0.01	0.00		411.91	3140.76	2086.60	782.09
Hempstead Lake	15442.8*	Max WS	41.93	41.92	0.01	0.00		395.64	3174.74	2068.84	774.54
Hempstead Lake	15422.5*	Max WS	41.93	41.92	0.01	0.00		373.86	3206.82	2058.48	766.56
Hempstead Lake	15402.3*	Max WS	41.93	41.92	0.01	0.00		351.31	3228.36	2059.42	755.31
Hempstead Lake	15382.1*	Max WS	41.93	41.92	0.01	0.00		334.54	3231.35	2073.13	739.47
Hempstead Lake	15361.8*	Max WS	41.93	41.92	0.01	0.00		313.58	3246.05	2079.31	730.72
Hempstead Lake	15341.6*	Max WS	41.93	41.92	0.01	0.00		299.97	3266.91	2071.99	728.15
Hempstead Lake	15321.4*	Max WS	41.93	41.92	0.01	0.00		280.63	3287.21	2057.98	728.38
Hempstead Lake	15301.1*	Max WS	41.93	41.92	0.01	0.00		262.11	3313.28	2050.43	729.23
Hempstead Lake	15280.9*	Max WS	41.93	41.92	0.01	0.00		249.76	3332.99	2043.05	729.70
Hempstead Lake	15260.7*	Max WS	41.93	41.92	0.01	0.00		231.74	3351.85	2042.19	729.61
Hempstead Lake	15240.4*	Max WS	41.93	41.92	0.01	0.00		213.66	3367.15	2044.96	728.96
Hempstead Lake	15220.2*	Max WS	41.93	41.92	0.01	0.00		201.40	3374.13	2050.21	727.55
Hempstead Lake	15200.02	Max WS	41.93	41.92	0.01	0.00		183.28	3379.60	2062.85	725.25
Hempstead Lake	15180.7*	Max WS	41.93	41.92	0.01	0.00		204.33	3541.45	1879.91	756.37
Hempstead Lake	15161.4*	Max WS	41.93	41.92	0.01	0.00		223.70	3677.09	1724.88	785.16
Hempstead Lake	15142.1*	Max WS	41.93	41.92	0.01	0.00		240.82	3788.69	1596.14	810.28
Hempstead Lake	15122.8*	Max WS	41.93	41.92	0.01	0.00		256.48	3885.06	1484.08	833.67
Hempstead Lake	15103.5*	Max WS	41.93	41.92	0.01	0.00		270.61	3970.31	1384.68	856.89
Hempstead Lake	15084.2*	Max WS	41.93	41.92	0.01	0.00		288.58	4041.85	1295.15	879.50
Hempstead Lake	15064.9*	Max WS	41.92	41.92	0.00	0.00		300.81	4107.10	1217.64	900.75
Hempstead Lake	15045.6*	Max WS	41.92	41.92	0.00	0.00		309.15	4167.53	1148.85	923.01
Hempstead Lake	15026.4*	Max WS	41.92	41.92	0.00	0.00		319.76	4220.10	1085.64	943.88
Hempstead Lake	15007.1*	Max WS	41.92	41.92	0.00	0.00		331.99	4266.08	1027.40	963.54
Hempstead Lake	14987.82	Max WS	41.92	41.92	0.00	0.00		143.28	4471.41	1010.75	982.47
Hempstead Lake	14966.6*	Max WS	41.92	41.92	0.00	0.00		225.70	4532.02	904.72	1002.83
Hempstead Lake	14945.4*	Max WS	41.92	41.92	0.00	0.00		203.37	4640.87	818.15	1022.99
Hempstead Lake	14924.3*	Max WS	41.92	41.92	0.00	0.00		181.79	4741.90	738.66	1043.11
Hempstead Lake	14903.1*	Max WS	41.92	41.92	0.00	0.00		160.96	4836.02	665.31	1062.76
Hempstead Lake	14882.*	Max WS	41.92	41.92	0.00	0.00		140.77	4923.42	598.04	1082.23
Hempstead Lake	14860.8*	Max WS	41.92	41.92	0.00	0.00		121.32	5004.62	536.22	1100.88
Hempstead Lake	14839.6*	Max WS	41.92	41.92	0.00	0.00		104.88	5077.59	479.61	1341.60
Hempstead Lake	14818.5*	Max WS	41.92	41.92	0.00	0.00		102.31	5133.29	426.37	1445.29
Hempstead Lake	14797.35	Max WS	41.92	41.92	0.00	0.00		48.14	5454.45	159.28	1508.15
Hempstead Lake	14777.4*	Max WS	41.92	41.92	0.00	0.00		103.54	5205.95	352.25	1506.50
Hempstead Lake	14757.4*	Max WS	41.92	41.92	0.00	0.00		98.49	5229.75	333.39	1507.27
Hempstead Lake	14737.5*	Max WS	41.92	41.92	0.00	0.00		92.30	5258.37	310.85	1512.06
Hempstead Lake	14717.5*	Max WS	41.92	41.92	0.00	0.00		92.38	5275.45	293.55	1514.81
Hempstead Lake	14697.6*	Max WS	41.92	41.92	0.00	0.00		95.01	5289.26	277.00	1451.62
Hempstead Lake	14677.6*	Max WS	41.92	41.92	0.00	0.00		99.15	5301.01	260.99	1396.15
Hempstead Lake	14657.7*	Max WS	41.92	41.92	0.00	0.00		102.14	5316.51	242.37	1388.78
Hempstead Lake	14637.7*	Max WS	41.92	41.92	0.00	0.00		106.05	5326.44	228.42	1427.58
Hempstead Lake	14617.8*	Max WS	41.92	41.92	0.00	0.00		106.42	5339.18	215.17	1467.30
Hempstead Lake	14597.8*	Max WS	41.92	41.92	0.00	0.00		109.61	5348.85	202.17	1495.68
Hempstead Lake	14577.9*	Max WS	41.92	41.92	0.00	0.00		110.39	5363.20	186.89	1522.50
Hempstead Lake	14557.9*	Max WS	41.92	41.92	0.00	0.00		112.52	5371.39	176.42	1553.37
Hempstead Lake	14538.0*	Max WS	41.92	41.92	0.00	0.00		114.25	5380.77	165.14	1597.15
Hempstead Lake	14518.0*	Max WS	41.92	41.92	0.00	0.00		112.52	5397.92	149.56	1695.48
Hempstead Lake	14498.1*	Max WS	41.92	41.92	0.00	0.00		110.91	5400.70	148.21	1720.68
Hempstead Lake	14478.1*	Max WS	41.92	41.92	0.00	0.00		112.08	5400.69	146.87	1742.57
Hempstead Lake	14458.2*	Max WS	41.92	41.92	0.00	0.00		112.64	5393.63	145.22	1762.68
Hempstead Lake	14438.2*	Max WS	41.92	41.92	0.00	0.00		109.92	5409.67	139.68	1778.19
Hempstead Lake	14418.3*	Max WS	41.92	41.92	0.00	0.00		109.39	5405.20	136.88	1789.56
Hempstead Lake	14398.37	Max WS	41.92	41.92	0.00	0.00		54.06	5462.28	135.12	1799.59
Hempstead Lake	14378.3*	Max WS	41.92	41.92	0.00	0.00		57.36	5452.25	141.83	1778.62
Hempstead Lake	14358.3*	Max WS	41.92	41.92	0.00	0.00		60.47	5442.11	148.84	1758.00
Hempstead Lake	14338.2*	Max WS	41.92	41.92	0.00	0.00		63.56	5431.67	156.17	1737.81
Hempstead Lake	14318.2*	Max WS	41.92	41.92	0.00	0.00		66.48	5421.05	163.85	1718.17
Hempstead Lake	14298.2*	Max WS	41.92	41.92	0.00	0.00		69.19	5410.16	172.00	1698.97
Hempstead Lake	14278.1*	Max WS	41.92	41.92	0.00	0.00		71.76	5398.94	180.62	1680.53
Hempstead Lake	14258.1*	Max WS	41.92	41.92	0.00	0.00		74.10	5387.55	189.64	1662.98
Hempstead Lake	14238.1*	Max WS	41.92	41.92	0.00	0.00		76.07	5375.98	199.21	1647.05
Hempstead Lake	14218.0*	Max WS	41.92	41.92	0.00	0.00		77.50	5364.38	209.36	1633.62
Hempstead Lake	14198.0*	Max WS	41.92	41.92	0.00	0.00		78.54	5352.40	220.27	1621.87
Hempstead Lake	14178.0*	Max WS	41.92	41.92	0.00	0.00		79.26	5339.35	232.56	1704.92
Hempstead Lake	14157.9*	Max WS	41.92	41.92	0.00	0.00		80.62	5324.10	246.41	1721.72
Hempstead Lake	14137.9*	Max WS	41.92	41.92	0.00	0.00		82.11	5307.71	261.27	1726.96
Hempstead Lake	14117.9*	Max WS	41.92	41.92	0.00	0.00		83.38	5290.76	276.92	1734.07

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	41.92	41.92	0.00	0.00		83.10	5274.47	293.46	1753.79
Hempstead Lake	14077.8*	Max WS	41.92	41.92	0.00	0.00		73.83	5263.45	313.71	1757.71
Hempstead Lake	14057.8*	Max WS	41.92	41.92	0.00	0.00		79.50	5236.86	334.59	1719.96
Hempstead Lake	14037.7*	Max WS	41.92	41.92	0.00	0.00		84.06	5209.74	357.12	1681.80
Hempstead Lake	14017.75	Max WS	41.92	41.92	0.00	0.00		86.86	5184.75	379.28	1643.37
Hempstead Lake	13998.2*	Max WS	41.92	41.92	0.00	0.00		177.89	4997.48	475.49	1634.19
Hempstead Lake	13978.6*	Max WS	41.92	41.92	0.00	0.00		181.84	5015.11	453.89	1624.98
Hempstead Lake	13959.1*	Max WS	41.92	41.92	0.00	0.00		183.64	5032.52	434.66	1615.78
Hempstead Lake	13939.6*	Max WS	41.92	41.92	0.00	0.00		185.33	5049.69	415.78	1606.57
Hempstead Lake	13920.0*	Max WS	41.92	41.92	0.00	0.00		184.28	5073.67	392.82	1595.34
Hempstead Lake	13900.5*	Max WS	41.92	41.92	0.00	0.00		185.76	5088.00	376.99	1583.15
Hempstead Lake	13881.*	Max WS	41.92	41.92	0.00	0.00		186.60	5102.93	361.22	1571.48
Hempstead Lake	13861.4*	Max WS	41.92	41.92	0.00	0.00		186.65	5128.46	339.10	1560.34
Hempstead Lake	13841.9*	Max WS	41.92	41.92	0.00	0.00		186.14	5139.51	325.08	1546.68
Hempstead Lake	13822.3*	Max WS	41.92	41.92	0.00	0.00		182.00	5165.76	306.23	1534.18
Hempstead Lake	13802.8*	Max WS	41.92	41.92	0.00	0.00		180.16	5178.56	291.98	1523.54
Hempstead Lake	13783.3*	Max WS	41.92	41.92	0.00	0.00		175.21	5205.27	273.32	1514.34
Hempstead Lake	13763.7*	Max WS	41.92	41.92	0.00	0.00		171.01	5226.02	256.68	1506.41
Hempstead Lake	13744.2*	Max WS	41.92	41.92	0.00	0.00		166.84	5250.07	236.72	1499.57
Hempstead Lake	13724.7*	Max WS	41.92	41.92	0.00	0.00		161.90	5271.39	220.26	1493.74
Hempstead Lake	13705.1*	Max WS	41.92	41.92	0.00	0.00		152.24	5302.72	198.51	1488.60
Hempstead Lake	13685.63	Max WS	41.92	41.92	0.00	0.00		108.96	5408.72	135.71	1484.30
Hempstead Lake	13666.4*	Max WS	41.92	41.92	0.00	0.00		147.81	5317.87	187.65	1481.48
Hempstead Lake	13647.1*	Max WS	41.92	41.92	0.00	0.00		150.42	5313.62	189.25	1478.67
Hempstead Lake	13627.9*	Max WS	41.92	41.92	0.00	0.00		154.33	5304.06	194.84	1475.87
Hempstead Lake	13608.7*	Max WS	41.92	41.92	0.00	0.00		156.85	5300.68	195.67	1473.08
Hempstead Lake	13589.5*	Max WS	41.92	41.92	0.00	0.00		159.14	5297.96	196.05	1470.28
Hempstead Lake	13570.2*	Max WS	41.92	41.92	0.00	0.00		160.98	5296.51	195.62	1467.39
Hempstead Lake	13551.0*	Max WS	41.92	41.92	0.00	0.00		165.47	5287.82	199.81	1464.46
Hempstead Lake	13531.8*	Max WS	41.92	41.92	0.00	0.00		168.16	5285.13	199.79	1461.61
Hempstead Lake	13512.6*	Max WS	41.92	41.92	0.00	0.00		171.13	5282.20	199.74	1458.80
Hempstead Lake	13493.3*	Max WS	41.92	41.92	0.00	0.00		174.42	5281.27	199.79	1456.10
Hempstead Lake	13474.1*	Max WS	41.92	41.92	0.00	0.00		178.55	5276.35	200.50	1453.32
Hempstead Lake	13454.9*	Max WS	41.92	41.92	0.00	0.00		187.53	5260.60	207.21	1450.74
Hempstead Lake	13435.72	Max WS	41.92	41.92	0.00	0.00		164.99	5022.04	468.25	1448.39
Hempstead Lake	13419.3*	Max WS	41.92	41.92	0.00	0.00		180.19	5279.90	195.15	1452.30
Hempstead Lake	13403.0*	Max WS	41.92	41.92	0.00	0.00		186.19	5285.84	183.17	1456.20
Hempstead Lake	13386.6*	Max WS	41.92	41.92	0.00	0.00		191.64	5292.86	170.67	1460.08
Hempstead Lake	13370.3*	Max WS	41.92	41.92	0.00	0.00		192.06	5308.56	154.51	1463.91
Hempstead Lake	13354.*	Max WS	41.92	41.92	0.00	0.00		195.81	5317.52	141.76	1467.71
Hempstead Lake	13337.6*	Max WS	41.92	41.92	0.00	0.00		198.67	5327.11	129.29	1471.49
Hempstead Lake	13321.3*	Max WS	41.92	41.92	0.00	0.00		200.06	5338.48	116.50	1475.18
Hempstead Lake	13304.9*	Max WS	41.92	41.92	0.00	0.00		201.33	5349.06	104.64	1478.89
Hempstead Lake	13288.6*	Max WS	41.92	41.92	0.00	0.00		202.03	5359.67	93.31	1482.55
Hempstead Lake	13272.29	Max WS	41.92	41.92	0.00	0.00		169.19	5423.02	65.00	1486.18
Hempstead Lake	13255.0*	Max WS	41.92	41.92	0.00	0.00		166.50	5421.80	66.69	1488.07
Hempstead Lake	13237.8*	Max WS	41.92	41.92	0.00	0.00		167.50	5420.77	68.79	1489.89
Hempstead Lake	13220.5*	Max WS	41.92	41.92	0.00	0.00		168.76	5417.32	70.90	1491.64
Hempstead Lake	13203.3*	Max WS	41.92	41.92	0.00	0.00		166.50	5419.05	71.36	1493.31
Hempstead Lake	13186.0*	Max WS	41.92	41.92	0.00	0.00		168.04	5415.29	73.51	1494.91
Hempstead Lake	13168.8*	Max WS	41.92	41.92	0.00	0.00		169.64	5411.54	75.58	1496.38
Hempstead Lake	13151.6*	Max WS	41.92	41.92	0.00	0.00		171.16	5407.96	77.58	1497.76
Hempstead Lake	13134.3*	Max WS	41.92	41.92	0.00	0.00		171.66	5405.85	79.13	1499.02
Hempstead Lake	13117.1*	Max WS	41.92	41.92	0.00	0.00		172.20	5403.76	80.62	1500.08
Hempstead Lake	13099.8*	Max WS	41.92	41.92	0.00	0.00		168.99	5407.23	80.29	1501.05
Hempstead Lake	13082.6*	Max WS	41.92	41.92	0.00	0.00		168.48	5406.78	81.18	1501.83
Hempstead Lake	13065.3*	Max WS	41.92	41.92	0.00	0.00		167.55	5406.98	81.86	1502.40
Hempstead Lake	13048.1*	Max WS	41.92	41.92	0.00	0.00		166.77	5406.94	82.63	1502.73
Hempstead Lake	13030.9*	Max WS	41.92	41.92	0.00	0.00		165.04	5408.41	82.83	1502.76
Hempstead Lake	13013.6*	Max WS	41.92	41.92	0.00	0.00		162.83	5410.46	82.93	1502.46
Hempstead Lake	12996.4*	Max WS	41.92	41.92	0.00	0.00		159.16	5414.86	82.16	1501.93
Hempstead Lake	12979.1*	Max WS	41.92	41.92	0.00	0.00		156.65	5417.61	81.87	1501.51
Hempstead Lake	12961.9*	Max WS	41.92	41.92	0.00	0.00		153.96	5420.61	81.52	1500.92
Hempstead Lake	12944.7*	Max WS	41.92	41.92	0.00	0.00		152.66	5421.53	81.85	1500.11
Hempstead Lake	12927.4*	Max WS	41.92	41.92	0.00	0.00		149.80	5424.86	81.33	1499.02
Hempstead Lake	12910.2*	Max WS	41.92	41.92	0.00	0.00		146.91	5428.06	80.97	1497.44
Hempstead Lake	12892.97	Max WS	41.92	41.92	0.00	0.00		103.39	5458.71	93.79	1495.54
Hempstead Lake	12881.0*	Max WS	41.92	41.92	0.00	0.00		127.73	6420.05	72.10	1493.51
Hempstead Lake	12869.1*	Max WS	41.92	41.92	0.00	0.00		127.52	6419.72	72.61	1491.27
Hempstead Lake	12857.1*	Max WS	41.92	41.92	0.00	0.00		127.20	6419.35	73.26	1488.55
Hempstead Lake	12845.2*	Max WS	41.92	41.92	0.00	0.00		126.95	6418.90	73.92	1485.63
Hempstead Lake	12833.3*	Max WS	41.92	41.92	0.00	0.00		126.67	6418.49	74.59	1482.33

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	41.92	41.92	0.00	0.00		126.46	6417.81	75.43	1478.47
Hempstead Lake	12809.4*	Max WS	41.92	41.92	0.00	0.00		126.21	6417.05	76.41	1474.25
Hempstead Lake	12797.5*	Max WS	41.92	41.92	0.00	0.00		125.91	6416.22	77.51	1469.48
Hempstead Lake	12785.6*	Max WS	41.92	41.92	0.00	0.00		125.57	6415.38	78.65	1464.45
Hempstead Lake	12773.7*	Max WS	41.92	41.92	0.00	0.00		125.27	6414.51	79.79	1459.83
Hempstead Lake	12761.7*	Max WS	41.92	41.92	0.00	0.00		124.95	6413.58	81.01	1455.28
Hempstead Lake	12749.8*	Max WS	41.92	41.92	0.00	0.00		124.68	6412.42	82.40	1450.43
Hempstead Lake	12737.9*	Max WS	41.92	41.92	0.00	0.00		124.39	6411.21	83.88	1445.49
Hempstead Lake	12726.0*	Max WS	41.92	41.92	0.00	0.00		124.04	6409.95	85.46	1440.19
Hempstead Lake	12714.0*	Max WS	41.92	41.92	0.00	0.00		123.65	6408.59	87.17	1434.91
Hempstead Lake	12702.1*	Max WS	41.92	41.92	0.00	0.00		123.32	6407.49	88.58	1431.18
Hempstead Lake	12690.2*	Max WS	41.92	41.92	0.00	0.00		122.93	6406.41	90.02	1427.34
Hempstead Lake	12678.3*	Max WS	41.92	41.92	0.00	0.00		122.69	6404.98	91.65	1423.68
Hempstead Lake	12666.3*	Max WS	41.92	41.92	0.00	0.00		122.30	6403.80	93.19	1419.88
Hempstead Lake	12654.4*	Max WS	41.92	41.92	0.00	0.00		121.92	6402.55	94.79	1416.20
Hempstead Lake	12642.5*	Max WS	41.92	41.92	0.00	0.00		121.56	6401.32	96.35	1412.99
Hempstead Lake	12630.6*	Max WS	41.92	41.92	0.00	0.00		121.18	6400.09	97.94	1409.55
Hempstead Lake	12618.6*	Max WS	41.92	41.92	0.00	0.00		120.85	6398.98	99.34	1407.33
Hempstead Lake	12606.7*	Max WS	41.92	41.92	0.00	0.00		120.46	6398.13	100.56	1405.24
Hempstead Lake	12594.8*	Max WS	41.92	41.92	0.00	0.00		120.07	6397.15	101.90	1403.10
Hempstead Lake	12582.9*	Max WS	41.92	41.92	0.00	0.00		119.68	6396.27	103.13	1400.97
Hempstead Lake	12570.9*	Max WS	41.92	41.92	0.00	0.00		119.23	6395.41	104.41	1398.93
Hempstead Lake	12559.0*	Max WS	41.92	41.92	0.00	0.00		118.85	6394.41	105.77	1396.85
Hempstead Lake	12547.1*	Max WS	41.92	41.92	0.00	0.00		118.54	6393.44	107.02	1394.77
Hempstead Lake	12535.2*	Max WS	41.92	41.92	0.00	0.00		118.06	6392.58	108.33	1392.78
Hempstead Lake	12523.27	Max WS	41.92	41.92	0.00	0.00		117.77	6396.48	104.69	1390.72
Hempstead Lake	12515.8*	Max WS	41.92	41.92	0.00	0.00		179.16	6776.14	109.39	1377.49
Hempstead Lake	12508.3*	Max WS	41.92	41.92	0.00	0.00		190.91	6766.87	106.89	1364.19
Hempstead Lake	12500.9*	Max WS	41.92	41.92	0.00	0.00		199.97	6760.71	103.98	1350.91
Hempstead Lake	12493.4*	Max WS	41.92	41.92	0.00	0.00		208.83	6755.35	100.47	1337.54
Hempstead Lake	12486.0*	Max WS	41.92	41.92	0.00	0.00		220.11	6748.04	96.48	1324.11
Hempstead Lake	12478.5*	Max WS	41.92	41.92	0.00	0.00		228.45	6744.14	92.02	1310.63
Hempstead Lake	12471.1*	Max WS	41.92	41.92	0.00	0.00		236.22	6741.09	87.29	1297.12
Hempstead Lake	12463.7*	Max WS	41.92	41.92	0.00	0.00		247.07	6735.31	82.21	1283.50
Hempstead Lake	12456.2*	Max WS	41.92	41.92	0.00	0.00		254.30	6733.30	76.98	1269.82
Hempstead Lake	12448.8*	Max WS	41.92	41.92	0.00	0.00		260.98	6732.07	71.51	1255.93
Hempstead Lake	12441.3*	Max WS	41.92	41.92	0.00	0.00		271.17	6727.34	66.03	1241.99
Hempstead Lake	12433.9*	Max WS	41.92	41.92	0.00	0.00		281.74	6721.33	61.46	1227.86
Hempstead Lake	12426.4*	Max WS	41.92	41.92	0.00	0.00		287.16	6721.53	55.84	1213.54
Hempstead Lake	12419.0*	Max WS	41.92	41.92	0.00	0.00		296.21	6718.09	50.20	1198.81
Hempstead Lake	12411.5*	Max WS	41.92	41.92	0.00	0.00		300.71	6718.59	45.19	1182.73
Hempstead Lake	12404.1*	Max WS	41.92	41.92	0.00	0.00		304.66	6720.03	39.79	1168.38
Hempstead Lake	12396.6*	Max WS	41.92	41.92	0.00	0.00		307.92	6722.11	34.43	1154.15
Hempstead Lake	12389.2*	Max WS	41.92	41.92	0.00	0.00		315.47	6719.63	29.35	1139.57
Hempstead Lake	12381.8*	Max WS	41.92	41.92	0.00	0.00		321.02	6718.45	24.97	1124.36
Hempstead Lake	12374.3*	Max WS	41.92	41.92	0.00	0.00		321.98	6721.86	20.59	1108.86
Hempstead Lake	12366.9*	Max WS	41.92	41.92	0.00	0.00		327.51	6720.36	16.54	1092.85
Hempstead Lake	12359.46	Max WS	41.92	41.92	0.00	0.00		147.14	6911.41	5.86	1076.36
Hempstead Lake	12350.7*	Max WS	41.92	41.92	0.00	0.00		345.00	6997.00	14.31	1063.17
Hempstead Lake	12342.0*	Max WS	41.92	41.92	0.00	0.00		349.01	6992.18	15.11	1050.01
Hempstead Lake	12333.3*	Max WS	41.92	41.92	0.00	0.00		352.74	6987.64	15.90	1036.78
Hempstead Lake	12324.7*	Max WS	41.92	41.92	0.00	0.00		351.39	6988.20	16.67	1023.48
Hempstead Lake	12316.0*	Max WS	41.92	41.92	0.00	0.00		355.38	6983.32	17.55	1010.30
Hempstead Lake	12307.3*	Max WS	41.92	41.91	0.00	0.00		359.21	6978.60	18.42	996.95
Hempstead Lake	12298.6*	Max WS	41.92	41.91	0.00	0.00		363.01	6973.90	19.31	983.68
Hempstead Lake	12289.9*	Max WS	41.92	41.91	0.00	0.00		363.51	6972.58	20.11	970.44
Hempstead Lake	12281.2*	Max WS	41.92	41.91	0.00	0.00		367.15	6967.99	21.05	957.02
Hempstead Lake	12272.5*	Max WS	41.92	41.91	0.00	0.00		365.74	6968.33	22.11	943.31
Hempstead Lake	12263.8*	Max WS	41.92	41.91	0.00	0.00		369.27	6963.70	23.19	929.48
Hempstead Lake	12255.1*	Max WS	41.92	41.91	0.00	0.00		372.57	6959.27	24.30	915.68
Hempstead Lake	12246.4*	Max WS	41.92	41.91	0.00	0.00		375.91	6955.77	24.45	906.37
Hempstead Lake	12237.7*	Max WS	41.92	41.91	0.00	0.00		378.83	6952.07	25.22	894.93
Hempstead Lake	12229.1*	Max WS	41.92	41.91	0.00	0.00		381.98	6948.09	26.04	883.37
Hempstead Lake	12220.4*	Max WS	41.92	41.91	0.00	0.00		380.27	6948.87	26.95	871.61
Hempstead Lake	12211.7*	Max WS	41.92	41.91	0.00	0.00		383.17	6944.90	28.02	859.77
Hempstead Lake	12203.0*	Max WS	41.92	41.91	0.01	0.00		385.81	6941.17	29.09	847.67
Hempstead Lake	12194.3*	Max WS	41.92	41.91	0.01	0.00		388.12	6937.73	30.21	835.41
Hempstead Lake	12185.6*	Max WS	41.92	41.91	0.01	0.00		390.43	6934.10	31.50	823.15
Hempstead Lake	12176.9*	Max WS	41.92	41.91	0.01	0.00		392.73	6930.47	32.82	810.58
Hempstead Lake	12168.2*	Max WS	41.92	41.91	0.01	0.00		387.11	6934.96	33.94	798.02
Hempstead Lake	12159.5*	Max WS	41.92	41.91	0.01	0.00		388.89	6931.64	35.47	785.16
Hempstead Lake	12150.8*	Max WS	41.92	41.91	0.01	0.00		390.29	6928.67	37.02	772.13

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	41.92	41.91	0.01	0.00		360.74	6959.67	35.57	759.16
Hempstead Lake	12133.5*	Max WS	41.92	41.91	0.01	0.00		359.61	6959.38	36.98	745.85
Hempstead Lake	12124.8*	Max WS	41.92	41.91	0.01	0.00		358.18	6959.47	38.30	732.74
Hempstead Lake	12116.1*	Max WS	41.92	41.91	0.01	0.00		352.98	6963.30	39.67	719.36
Hempstead Lake	12107.4*	Max WS	41.92	41.91	0.01	0.00		350.64	6964.19	41.10	706.09
Hempstead Lake	12098.7*	Max WS	41.92	41.91	0.01	0.00		347.92	6965.51	42.48	692.40
Hempstead Lake	12090.0*	Max WS	41.92	41.91	0.01	0.00		345.06	6966.91	43.94	678.54
Hempstead Lake	12081.3*	Max WS	41.92	41.91	0.01	0.00		341.73	6968.71	45.46	664.77
Hempstead Lake	12072.6*	Max WS	41.92	41.90	0.01	0.00		338.07	6970.97	46.84	650.71
Hempstead Lake	12063.9*	Max WS	41.92	41.90	0.01	0.00		330.74	6976.80	48.34	636.70
Hempstead Lake	12055.2*	Max WS	41.91	41.90	0.01	0.00		319.26	6987.80	48.81	622.42
Hempstead Lake	12046.5*	Max WS	41.91	41.90	0.01	0.00		314.18	6991.49	50.18	608.06
Hempstead Lake	12037.9*	Max WS	41.91	41.90	0.01	0.00		308.50	6995.79	51.55	593.67
Hempstead Lake	12029.2*	Max WS	41.91	41.90	0.01	0.00		302.28	7000.63	52.92	578.97
Hempstead Lake	12020.5*	Max WS	41.91	41.90	0.02	0.00		295.62	7005.95	54.25	564.32
Hempstead Lake	12011.8*	Max WS	41.91	41.90	0.02	0.00		285.60	7014.78	55.43	549.50
Hempstead Lake	12003.1*	Max WS	41.91	41.90	0.02	0.00		277.79	7021.35	56.66	534.58
Hempstead Lake	11994.45	Max WS	41.91	41.90	0.02	0.00		365.99	6895.19	94.62	519.56
Hempstead Lake	11989.45	Max WS	41.91	41.89	0.02			393.50	6914.58	99.62	518.94
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	40.51	38.58	1.92	0.00			6398.26		463.00
Hempstead Lake	11964.45	Max WS	39.47	39.43	0.03	0.00		365.56	6974.85	66.76	476.32
Hempstead Lake	11954.6*	Max WS	39.47	39.43	0.04	0.00		225.35	7129.50	52.32	483.59
Hempstead Lake	11944.8*	Max WS	39.47	39.43	0.04	0.00		233.33	7115.46	58.37	491.65
Hempstead Lake	11934.9*	Max WS	39.47	39.43	0.04	0.00		239.89	7101.77	65.49	500.92
Hempstead Lake	11925.1*	Max WS	39.47	39.43	0.04	0.00		247.21	7086.02	74.16	512.14
Hempstead Lake	11915.3*	Max WS	39.47	39.43	0.04	0.00		312.32	6990.12	104.70	524.65
Hempstead Lake	11905.5*	Max WS	39.47	39.42	0.04	0.00		315.23	6972.17	119.99	536.60
Hempstead Lake	11895.6*	Max WS	39.46	39.42	0.04	0.00		317.75	6950.04	139.59	548.82
Hempstead Lake	11885.8*	Max WS	39.46	39.42	0.04	0.00		319.24	6924.74	163.40	560.83
Hempstead Lake	11876.0*	Max WS	39.46	39.42	0.05	0.00		320.36	6894.12	192.63	573.78
Hempstead Lake	11866.2*	Max WS	39.46	39.41	0.05	0.00		320.00	6859.23	227.88	586.45
Hempstead Lake	11856.4*	Max WS	39.46	39.41	0.05	0.00		318.97	6818.15	269.99	599.98
Hempstead Lake	11846.5*	Max WS	39.46	39.41	0.05	0.00		317.47	6763.65	325.98	606.16
Hempstead Lake	11836.7*	Max WS	39.46	39.41	0.05	0.00		314.16	6700.46	392.48	607.82
Hempstead Lake	11826.9*	Max WS	39.46	39.41	0.05	0.00		273.58	6723.00	410.51	609.47
Hempstead Lake	11817.1*	Max WS	39.46	39.41	0.05	0.00		271.35	6651.44	484.60	611.13
Hempstead Lake	11807.2*	Max WS	39.45	39.40	0.05	0.00		268.10	6574.19	564.79	612.78
Hempstead Lake	11797.46	Max WS	39.45	39.40	0.05	0.00		214.13	6540.56	652.38	614.44
Hempstead Lake	11792.46	Max WS	39.45	39.40	0.05			219.73	6600.46	586.87	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	37.82	37.71	0.11	0.00		213.47	5513.87	92.09	614.44
Hempstead Lake	11627.46	Max WS	37.82	37.71	0.10	0.00		210.57	5537.11	70.28	614.44
Hempstead Lake	11623.2*	Max WS	37.81	37.73	0.08	0.00		390.18	5245.77	180.72	645.38
Hempstead Lake	11619.1*	Max WS	37.81	37.73	0.07	0.00		402.99	5205.74	206.55	676.31
Hempstead Lake	11614.94	Max WS	37.80	37.73	0.08	0.00		230.90	5465.50	117.42	707.25
Hempstead Lake	11612.94	Max WS	37.80	37.73	0.07			229.01	5473.05	111.06	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	35.71	35.58	0.13	0.00			1481.39		682.05
Hempstead Lake	11598.94	Max WS	35.68	35.67	0.01	0.00		19.02	1486.09	3.21	684.78
Hempstead Lake	11573.9*	Max WS	35.68	35.67	0.01	0.00		29.04	1479.58	1.44	757.51
Hempstead Lake	11548.9*	Max WS	35.68	35.67	0.00	0.00		48.73	1460.41	0.90	832.33
Hempstead Lake	11523.9*	Max WS	35.68	35.68	0.00	0.00		78.41	1432.68	0.61	908.90
Hempstead Lake	11498.9*	Max WS	35.68	35.68	0.00	0.00		118.47	1392.78	0.43	986.56
Hempstead Lake	11473.9*	Max WS	35.68	35.68	0.00	0.00		170.62	1339.12	0.30	1064.81
Hempstead Lake	11448.9*	Max WS	35.68	35.68	0.00	0.00		227.90	1283.50	0.20	1136.95
Hempstead Lake	11423.9*	Max WS	35.68	35.68	0.00	0.00		289.57	1220.34	0.14	1207.21
Hempstead Lake	11398.9*	Max WS	35.68	35.68	0.00	0.00		360.48	1150.96	0.09	1278.55
Hempstead Lake	11373.9*	Max WS	35.68	35.68	0.00	0.00		427.70	1083.73	0.06	1349.39
Hempstead Lake	11349.*	Max WS	35.68	35.68	0.00	0.00		494.54	1015.48	0.04	1420.88
Hempstead Lake	11324.*	Max WS	35.68	35.68	0.00	0.00		574.60	936.80	0.02	1443.75
Hempstead Lake	11299.0*	Max WS	35.68	35.68	0.00	0.00		640.22	871.14	0.01	1503.87
Hempstead Lake	11274.0*	Max WS	35.68	35.68	0.00	0.00		703.70	807.63	0.01	1564.21
Hempstead Lake	11249.0*	Max WS	35.68	35.68	0.00	0.00		773.64	737.65	0.00	1630.90
Hempstead Lake	11224.0*	Max WS	35.68	35.68	0.00	0.00		831.71	679.54	0.00	1700.47
Hempstead Lake	11199.0*	Max WS	35.68	35.68	0.00	0.00		886.43	624.78	0.00	1770.03
Hempstead Lake	11174.0*	Max WS	35.68	35.68	0.00	0.00		937.96	573.20	0.00	1839.82
Hempstead Lake	11149.0*	Max WS	35.68	35.68	0.00	0.00		995.72	515.38	0.00	1909.50
Hempstead Lake	11124.0*	Max WS	35.68	35.68	0.00	0.00		1040.58	470.47	0.00	1979.34
Hempstead Lake	11099.0*	Max WS	35.68	35.68	0.00	0.00		1082.08	428.91		2049.40
Hempstead Lake	11074.0*	Max WS	35.68	35.68	0.00	0.00		1129.67	381.25		2119.33
Hempstead Lake	11049.07	Max WS	35.68	35.68	0.00	0.00		868.36	642.50		2189.68

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	35.68	35.68	0.00	0.00		1133.64	377.19		2164.20
Hempstead Lake	11027.7*	Max WS	35.68	35.68	0.00	0.00		1110.56	399.60		2138.83
Hempstead Lake	11017.0*	Max WS	35.68	35.68	0.00	0.00		1077.53	433.25		2114.80
Hempstead Lake	11006.4*	Max WS	35.68	35.68	0.00	0.00		1041.65	468.51		2091.46
Hempstead Lake	10995.7*	Max WS	35.68	35.68	0.00	0.00		1014.74	495.97		2068.12
Hempstead Lake	10985.0*	Max WS	35.68	35.68	0.00	0.00		975.64	535.03		2043.04
Hempstead Lake	10974.4*	Max WS	35.68	35.68	0.00	0.00		945.31	565.32		1954.46
Hempstead Lake	10963.7*	Max WS	35.68	35.68	0.00	0.00		903.58	607.02		1819.83
Hempstead Lake	10953.1*	Max WS	35.68	35.68	0.00	0.00		859.74	650.83		1800.61
Hempstead Lake	10942.4*	Max WS	35.68	35.68	0.00	0.00		824.66	685.89		1781.28
Hempstead Lake	10931.7*	Max WS	35.68	35.68	0.00	0.00		778.11	732.40		1761.93
Hempstead Lake	10921.1*	Max WS	35.68	35.68	0.00	0.00		730.54	779.67		1742.80
Hempstead Lake	10910.4*	Max WS	35.68	35.68	0.00	0.00		692.19	818.27		1723.88
Hempstead Lake	10899.7*	Max WS	35.68	35.68	0.00	0.00		643.23	867.19		1704.82
Hempstead Lake	10889.1*	Max WS	35.68	35.68	0.00	0.00		594.31	916.07		1686.04
Hempstead Lake	10878.4*	Max WS	35.68	35.68	0.00	0.00		554.35	955.88		1667.09
Hempstead Lake	10867.8*	Max WS	35.68	35.68	0.00	0.00		505.81	1004.50		1648.11
Hempstead Lake	10857.1*	Max WS	35.68	35.68	0.00	0.00		466.13	1044.14		1629.40
Hempstead Lake	10846.4*	Max WS	35.68	35.68	0.00	0.00		419.51	1090.74		1610.60
Hempstead Lake	10835.8*	Max WS	35.68	35.68	0.00	0.00		374.62	1135.64		1591.88
Hempstead Lake	10825.1*	Max WS	35.68	35.68	0.00	0.00		337.70	1172.56		1573.36
Hempstead Lake	10814.4*	Max WS	35.68	35.68	0.00	0.00		296.55	1213.71		1554.76
Hempstead Lake	10803.8*	Max WS	35.68	35.68	0.00	0.00		257.87	1252.27		1536.28
Hempstead Lake	10793.1*	Max WS	35.68	35.68	0.00	0.00		227.21	1282.90		1517.87
Hempstead Lake	10782.4*	Max WS	35.68	35.68	0.00	0.00		195.22	1314.85		1499.51
Hempstead Lake	10771.8*	Max WS	35.68	35.68	0.00	0.00		166.07	1343.98		1481.20
Hempstead Lake	10761.1*	Max WS	35.68	35.68	0.00	0.00		142.60	1367.42		1463.01
Hempstead Lake	10750.5*	Max WS	35.68	35.68	0.00	0.00		118.82	1391.17		1444.80
Hempstead Lake	10739.8*	Max WS	35.68	35.68	0.00	0.00		97.77	1412.20		1426.75
Hempstead Lake	10729.1*	Max WS	35.68	35.68	0.00	0.00		80.98	1428.95		1408.73
Hempstead Lake	10718.5*	Max WS	35.68	35.68	0.00	0.00		64.89	1445.01		1390.89
Hempstead Lake	10707.8*	Max WS	35.68	35.68	0.00	0.00		52.10	1457.78		1373.25
Hempstead Lake	10697.1*	Max WS	35.68	35.68	0.00	0.00		40.42	1469.43		1354.47
Hempstead Lake	10686.5*	Max WS	35.68	35.68	0.00	0.00		30.73	1479.09		1336.12
Hempstead Lake	10675.8*	Max WS	35.68	35.68	0.00	0.00		23.22	1486.57		1318.06
Hempstead Lake	10665.2*	Max WS	35.68	35.68	0.00	0.00		16.73	1493.04		1300.37
Hempstead Lake	10654.5*	Max WS	35.68	35.68	0.00	0.00		11.65	1498.08		1282.81
Hempstead Lake	10643.8*	Max WS	35.68	35.68	0.00	0.00		7.91	1501.80		1265.92
Hempstead Lake	10633.2*	Max WS	35.68	35.68	0.00	0.00		4.97	1505.34		1249.19
Hempstead Lake	10622.5*	Max WS	35.68	35.68	0.00	0.00		2.88	1506.78		1233.27
Hempstead Lake	10611.8*	Max WS	35.68	35.68	0.00	0.00		1.52	1508.12		1217.61
Hempstead Lake	10601.2*	Max WS	35.68	35.68	0.00	0.00		0.65	1508.95		1202.12
Hempstead Lake	10590.5*	Max WS	35.68	35.68	0.00	0.00		0.20	1510.11		1186.81
Hempstead Lake	10579.8*	Max WS	35.68	35.68	0.00	0.00		0.03	1509.52		1171.70
Hempstead Lake	10569.23	Max WS	35.68	35.68	0.00	0.00			1510.31		1147.09
Hempstead Lake	10549.1*	Max WS	35.68	35.68	0.00	0.00			1509.48		1138.39
Hempstead Lake	10529.0*	Max WS	35.68	35.68	0.00	0.00			1509.45		1132.55
Hempstead Lake	10508.9*	Max WS	35.68	35.68	0.00	0.00			1509.43		1128.62
Hempstead Lake	10488.7*	Max WS	35.68	35.68	0.00	0.00			1510.32		1124.85
Hempstead Lake	10468.6*	Max WS	35.68	35.68	0.00	0.00			1510.31		1121.36
Hempstead Lake	10448.5*	Max WS	35.68	35.68	0.00	0.00			1509.35		1118.25
Hempstead Lake	10428.4*	Max WS	35.68	35.68	0.00	0.00			1510.32		1115.24
Hempstead Lake	10408.3*	Max WS	35.68	35.68	0.00	0.00			1509.30		1112.15
Hempstead Lake	10388.2*	Max WS	35.68	35.68	0.00	0.00			1510.31		1109.28
Hempstead Lake	10368.1*	Max WS	35.68	35.68	0.00	0.00			1509.24		1106.48
Hempstead Lake	10348.0*	Max WS	35.68	35.68	0.00	0.00			1510.31		1103.71
Hempstead Lake	10327.9*	Max WS	35.68	35.68	0.00	0.00			1509.19		1100.93
Hempstead Lake	10307.8*	Max WS	35.68	35.68	0.00	0.00			1509.16		1098.32
Hempstead Lake	10287.7*	Max WS	35.68	35.68	0.00	0.00			1510.31		1095.67
Hempstead Lake	10267.6*	Max WS	35.68	35.68	0.00	0.00			1510.30		1093.02
Hempstead Lake	10247.4*	Max WS	35.68	35.68	0.00	0.00			1509.08		1090.40
Hempstead Lake	10227.3*	Max WS	35.68	35.68	0.00	0.00			1509.06		1087.91
Hempstead Lake	10207.2*	Max WS	35.68	35.68	0.00	0.00			1510.29		1085.38
Hempstead Lake	10187.1*	Max WS	35.68	35.68	0.00	0.00			1510.29		1082.92
Hempstead Lake	10167.0*	Max WS	35.68	35.68	0.00	0.00			1508.98		1080.43
Hempstead Lake	10146.9*	Max WS	35.68	35.68	0.00	0.00			1510.29		1078.12
Hempstead Lake	10126.8*	Max WS	35.68	35.68	0.00	0.00			1508.92		1075.71
Hempstead Lake	10106.7*	Max WS	35.68	35.68	0.00	0.00			1508.89		1073.40
Hempstead Lake	10086.6*	Max WS	35.68	35.68	0.00	0.00			1508.87		1071.21
Hempstead Lake	10066.5*	Max WS	35.68	35.68	0.00	0.00		0.00	1508.84		1084.95
Hempstead Lake	10046.4*	Max WS	35.68	35.68	0.00	0.00		0.02	1510.28		1102.13
Hempstead Lake	10026.2*	Max WS	35.68	35.68	0.00	0.00		0.06	1510.24		1160.33

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	35.68	35.68	0.00	0.00		0.15	1510.14		1171.14
Hempstead Lake	9986.073	Max WS	35.68	35.68	0.00	0.00		0.25	1508.48		1182.37
Hempstead Lake	9965.77*	Max WS	35.68	35.68	0.00	0.00		0.19	1508.50		1178.56
Hempstead Lake	9945.47*	Max WS	35.68	35.68	0.00	0.00		0.13	1510.15		1174.93
Hempstead Lake	9925.18*	Max WS	35.68	35.68	0.00	0.00		0.08	1508.55	0.00	1170.70
Hempstead Lake	9904.88*	Max WS	35.68	35.68	0.00	0.00		0.04	1510.24	0.00	1162.87
Hempstead Lake	9884.59*	Max WS	35.68	35.68	0.00	0.00		0.03	1508.54	0.00	1103.75
Hempstead Lake	9864.29*	Max WS	35.68	35.68	0.00	0.00		0.02	1510.25	0.01	1090.31
Hempstead Lake	9843.99*	Max WS	35.68	35.68	0.00	0.00		0.01	1508.51	0.01	1077.18
Hempstead Lake	9823.7*	Max WS	35.68	35.68	0.00	0.00		0.00	1510.24	0.03	1062.41
Hempstead Lake	9803.40*	Max WS	35.68	35.68	0.00	0.00		0.00	1508.44	0.04	1047.78
Hempstead Lake	9783.10*	Max WS	35.68	35.68	0.00	0.00		0.00	1508.40	0.06	1042.71
Hempstead Lake	9762.81*	Max WS	35.68	35.68	0.00	0.00		0.00	1508.35	0.08	1041.07
Hempstead Lake	9742.51*	Max WS	35.68	35.68	0.00	0.00		0.01	1508.29	0.10	1039.38
Hempstead Lake	9722.21*	Max WS	35.68	35.68	0.00	0.00		0.01	1510.12	0.13	1037.34
Hempstead Lake	9701.92*	Max WS	35.68	35.68	0.00	0.00		0.02	1508.16	0.17	1035.35
Hempstead Lake	9681.62*	Max WS	35.68	35.68	0.00	0.00		0.03	1510.01	0.21	1033.11
Hempstead Lake	9661.32*	Max WS	35.68	35.68	0.00	0.00		0.05	1508.00	0.25	1030.86
Hempstead Lake	9641.03*	Max WS	35.68	35.68	0.00	0.00		0.07	1509.87	0.31	1028.30
Hempstead Lake	9620.73*	Max WS	35.68	35.68	0.00	0.00		0.09	1509.78	0.38	1025.69
Hempstead Lake	9600.43*	Max WS	35.68	35.68	0.00	0.00		0.12	1507.65	0.45	1022.97
Hempstead Lake	9580.14*	Max WS	35.68	35.68	0.00	0.00		0.15	1507.53	0.52	1020.30
Hempstead Lake	9559.84*	Max WS	35.68	35.68	0.00	0.00		0.19	1507.40	0.60	1017.45
Hempstead Lake	9539.54*	Max WS	35.68	35.68	0.00	0.00		0.23	1509.32	0.69	1014.56
Hempstead Lake	9519.25*	Max WS	35.68	35.68	0.00	0.00		0.28	1507.07	0.79	1011.65
Hempstead Lake	9498.95*	Max WS	35.68	35.68	0.00	0.00		0.33	1506.89	0.90	1008.75
Hempstead Lake	9478.65*	Max WS	35.68	35.68	0.00	0.00		0.38	1508.84	1.01	1005.58
Hempstead Lake	9458.36*	Max WS	35.68	35.68	0.00	0.00		0.42	1506.52	1.13	1005.07
Hempstead Lake	9438.06*	Max WS	35.68	35.68	0.00	0.00		0.47	1506.32	1.26	1004.93
Hempstead Lake	9417.76*	Max WS	35.68	35.68	0.00	0.00		0.53	1508.30	1.40	1002.52
Hempstead Lake	9397.47*	Max WS	35.68	35.68	0.00	0.00		0.60	1508.07	1.54	998.93
Hempstead Lake	9377.17*	Max WS	35.68	35.68	0.00	0.00		0.69	1507.83	1.70	995.44
Hempstead Lake	9356.87*	Max WS	35.68	35.68	0.00	0.00		0.77	1505.33	1.85	992.60
Hempstead Lake	9336.58*	Max WS	35.68	35.68	0.00	0.00		0.87	1505.05	2.02	990.81
Hempstead Lake	9316.28*	Max WS	35.68	35.68	0.00	0.00		0.97	1504.75	2.19	988.76
Hempstead Lake	9295.98*	Max WS	35.68	35.68	0.00	0.00		1.08	1506.74	2.38	986.59
Hempstead Lake	9275.69*	Max WS	35.68	35.68	0.00	0.00		1.20	1504.10	2.56	984.43
Hempstead Lake	9255.39*	Max WS	35.68	35.68	0.00	0.00		1.32	1503.75	2.77	982.31
Hempstead Lake	9235.09*	Max WS	35.68	35.68	0.00	0.00		1.45	1503.38	2.98	980.03
Hempstead Lake	9214.80*	Max WS	35.68	35.68	0.00	0.00		1.60	1505.39	3.21	977.91
Hempstead Lake	9194.50*	Max WS	35.68	35.68	0.00	0.00		1.74	1505.02	3.43	975.41
Hempstead Lake	9174.20*	Max WS	35.68	35.68	0.00	0.00		1.90	1502.17	3.67	973.29
Hempstead Lake	9153.910	Max WS	35.68	35.68	0.00	0.00		2.08	1504.69	3.42	971.00
Hempstead Lake	9133.22*	Max WS	35.68	35.68	0.00	0.00		2.06	1537.95	3.40	977.74
Hempstead Lake	9112.54*	Max WS	35.68	35.68	0.00	0.00		2.00	1535.60	3.31	984.40
Hempstead Lake	9091.85*	Max WS	35.68	35.68	0.00	0.00		1.95	1535.72	3.22	991.31
Hempstead Lake	9071.17*	Max WS	35.68	35.68	0.00	0.00		1.89	1535.83	3.14	998.24
Hempstead Lake	9050.49*	Max WS	35.68	35.68	0.00	0.00		1.84	1535.94	3.06	1005.12
Hempstead Lake	9029.80*	Max WS	35.68	35.68	0.00	0.00		1.79	1538.61	2.98	1012.25
Hempstead Lake	9009.12*	Max WS	35.68	35.68	0.00	0.00		1.74	1536.16	2.90	1019.37
Hempstead Lake	8988.44*	Max WS	35.68	35.68	0.00	0.00		1.69	1538.87	2.82	1026.46
Hempstead Lake	8967.75*	Max WS	35.68	35.68	0.00	0.00		1.65	1539.00	2.74	1033.77
Hempstead Lake	8947.07*	Max WS	35.68	35.68	0.00	0.00		1.60	1539.12	2.66	1041.16
Hempstead Lake	8926.39*	Max WS	35.68	35.68	0.00	0.00		1.55	1536.60	2.57	1048.56
Hempstead Lake	8905.70*	Max WS	35.68	35.68	0.00	0.00		1.55	1539.24	2.58	1056.46
Hempstead Lake	8885.02*	Max WS	35.68	35.68	0.00	0.00		1.50	1536.68	2.49	1064.59
Hempstead Lake	8864.33*	Max WS	35.68	35.68	0.00	0.00		1.44	1536.79	2.41	1072.77
Hempstead Lake	8843.65*	Max WS	35.68	35.68	0.00	0.00		1.40	1539.63	2.33	1081.31
Hempstead Lake	8822.97*	Max WS	35.68	35.68	0.00	0.00		1.35	1537.00	2.25	1090.11
Hempstead Lake	8802.28*	Max WS	35.68	35.68	0.00	0.00		1.31	1537.09	2.17	1098.97
Hempstead Lake	8781.60*	Max WS	35.68	35.68	0.00	0.00		1.27	1540.00	2.09	1108.84
Hempstead Lake	8760.92*	Max WS	35.68	35.68	0.00	0.00		1.23	1537.28	2.01	1118.69
Hempstead Lake	8740.23*	Max WS	35.68	35.68	0.00	0.00		1.19	1540.23	1.93	1128.87
Hempstead Lake	8719.55*	Max WS	35.68	35.68	0.00	0.00		1.15	1540.33	1.85	1139.79
Hempstead Lake	8698.86*	Max WS	35.68	35.68	0.00	0.00		1.12	1540.43	1.78	1151.38
Hempstead Lake	8678.18*	Max WS	35.68	35.68	0.00	0.00		1.08	1540.54	1.70	1166.14
Hempstead Lake	8657.50*	Max WS	35.68	35.68	0.00	0.00		0.96	1540.73	1.63	1204.02
Hempstead Lake	8636.81*	Max WS	35.68	35.68	0.00	0.00		0.90	1540.86	1.55	1250.00
Hempstead Lake	8616.13*	Max WS	35.68	35.68	0.00	0.00		0.85	1538.04	1.47	1324.81
Hempstead Lake	8595.45*	Max WS	35.68	35.68	0.00	0.00		0.95	1537.98	1.40	1360.95
Hempstead Lake	8574.76*	Max WS	35.68	35.68	0.00	0.00		1.07	1537.89	1.32	1399.83
Hempstead Lake	8554.08*	Max WS	35.68	35.68	0.00	0.00		1.21	1540.83	1.25	1446.14

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	35.68	35.68	0.00	0.00		1.40	1540.70	1.18	1493.12
Hempstead Lake	8512.71*	Max WS	35.68	35.68	0.00	0.00		1.66	1537.43	1.11	1523.45
Hempstead Lake	8492.03*	Max WS	35.68	35.68	0.00	0.00		1.98	1537.14	1.04	1541.12
Hempstead Lake	8471.34*	Max WS	35.68	35.68	0.00	0.00		2.32	1539.97	0.97	1562.85
Hempstead Lake	8450.66*	Max WS	35.68	35.68	0.00	0.00		2.68	1536.51	0.90	1585.00
Hempstead Lake	8429.980	Max WS	35.68	35.68	0.00	0.00		3.03	1536.19	0.82	1607.12
Hempstead Lake	8416.34*	Max WS	35.68	35.68	0.00	0.00		2.91	1539.52	0.83	1613.66
Hempstead Lake	8402.71*	Max WS	35.68	35.68	0.00	0.00		2.78	1536.39	0.83	1621.42
Hempstead Lake	8389.07*	Max WS	35.68	35.68	0.00	0.00		2.66	1539.76	0.83	1627.97
Hempstead Lake	8375.44*	Max WS	35.68	35.68	0.00	0.00		2.55	1539.87	0.83	1636.21
Hempstead Lake	8361.81*	Max WS	35.68	35.68	0.00	0.00		2.43	1539.97	0.83	1643.58
Hempstead Lake	8348.17*	Max WS	35.68	35.68	0.00	0.00		2.32	1536.77	0.83	1652.30
Hempstead Lake	8334.54*	Max WS	35.68	35.68	0.00	0.00		2.21	1540.18	0.83	1660.94
Hempstead Lake	8320.91*	Max WS	35.68	35.68	0.00	0.00		2.11	1540.27	0.83	1670.31
Hempstead Lake	8307.27*	Max WS	35.68	35.68	0.00	0.00		2.00	1540.37	0.83	1680.85
Hempstead Lake	8293.64*	Max WS	35.68	35.68	0.00	0.00		1.90	1540.46	0.83	1691.77
Hempstead Lake	8280.00*	Max WS	35.68	35.68	0.00	0.00		1.80	1540.55	0.83	1704.67
Hempstead Lake	8266.37*	Max WS	35.68	35.68	0.00	0.00		1.70	1537.25	0.83	1719.77
Hempstead Lake	8252.74*	Max WS	35.68	35.68	0.00	0.00		1.60	1540.73	0.83	1734.67
Hempstead Lake	8239.10*	Max WS	35.68	35.68	0.00	0.00		1.51	1537.38	0.83	1752.91
Hempstead Lake	8225.47*	Max WS	35.68	35.68	0.00	0.00		1.44	1537.43	0.83	1765.44
Hempstead Lake	8211.84*	Max WS	35.68	35.68	0.00	0.00		1.37	1537.48	0.83	1778.32
Hempstead Lake	8198.20*	Max WS	35.68	35.68	0.00	0.00		1.70	1540.62	0.83	1740.58
Hempstead Lake	8184.57*	Max WS	35.68	35.68	0.00	0.00		1.74	1540.56	0.84	1703.95
Hempstead Lake	8170.93*	Max WS	35.68	35.68	0.00	0.00		1.75	1537.03	0.83	1688.11
Hempstead Lake	8157.30*	Max WS	35.68	35.68	0.00	0.00		1.74	1540.56	0.84	1683.35
Hempstead Lake	8143.67*	Max WS	35.68	35.68	0.00	0.00		1.74	1540.55	0.84	1682.35
Hempstead Lake	8130.03*	Max WS	35.68	35.68	0.00	0.00		1.74	1536.96	0.84	1686.94
Hempstead Lake	8116.40*	Max WS	35.68	35.68	0.00	0.00		1.75	1540.53	0.84	1691.35
Hempstead Lake	8102.76*	Max WS	35.68	35.68	0.00	0.00		1.77	1540.50	0.84	1694.73
Hempstead Lake	8089.13*	Max WS	35.68	35.68	0.00	0.00		1.78	1540.48	0.84	1699.40
Hempstead Lake	8075.50*	Max WS	35.68	35.68	0.00	0.00		1.80	1536.81	0.84	1704.07
Hempstead Lake	8061.86*	Max WS	35.68	35.68	0.00	0.00		1.82	1540.42	0.84	1711.15
Hempstead Lake	8048.23*	Max WS	35.68	35.68	0.00	0.00		1.85	1540.38	0.84	1724.65
Hempstead Lake	8034.6*	Max WS	35.68	35.68	0.00	0.00		1.88	1540.34	0.84	1739.11
Hempstead Lake	8020.96*	Max WS	35.68	35.68	0.00	0.00		1.90	1536.60	0.84	1760.82
Hempstead Lake	8007.33*	Max WS	35.68	35.68	0.00	0.00		1.94	1540.28	0.84	1786.16
Hempstead Lake	7993.69*	Max WS	35.68	35.68	0.00	0.00		1.99	1540.22	0.84	1801.75
Hempstead Lake	7980.06*	Max WS	35.68	35.68	0.00	0.00		2.04	1540.15	0.84	1816.83
Hempstead Lake	7966.43*	Max WS	35.68	35.68	0.00	0.00		2.11	1540.07	0.84	1842.57
Hempstead Lake	7952.79*	Max WS	35.68	35.68	0.00	0.00		2.16	1536.21	0.84	1870.45
Hempstead Lake	7939.16*	Max WS	35.68	35.68	0.00	0.00		2.24	1539.92	0.84	1899.65
Hempstead Lake	7925.53*	Max WS	35.68	35.68	0.00	0.00		2.30	1539.85	0.84	1955.17
Hempstead Lake	7911.89*	Max WS	35.68	35.68	0.00	0.00		2.39	1539.74	0.84	2005.98
Hempstead Lake	7898.26*	Max WS	35.68	35.68	0.00	0.00		2.50	1539.62	0.84	2064.11
Hempstead Lake	7884.62*	Max WS	35.68	35.68	0.00	0.00		2.61	1535.63	0.84	2115.50
Hempstead Lake	7870.99*	Max WS	35.68	35.68	0.00	0.00		2.75	1539.36	0.84	2168.32
Hempstead Lake	7857.36*	Max WS	35.68	35.68	0.00	0.00		2.89	1539.19	0.84	2222.07
Hempstead Lake	7843.72*	Max WS	35.68	35.68	0.00	0.00		3.05	1539.02	0.84	2270.42
Hempstead Lake	7830.09*	Max WS	35.68	35.68	0.00	0.00		3.22	1538.83	0.84	2325.79
Hempstead Lake	7816.45*	Max WS	35.68	35.68	0.00	0.00		3.07	1538.97	0.84	2872.92
Hempstead Lake	7802.82*	Max WS	35.68	35.68	0.00	0.00		3.41	1538.61	0.84	2879.20
Hempstead Lake	7789.19*	Max WS	35.68	35.68	0.00	0.00		3.82	1538.19	0.84	2885.11
Hempstead Lake	7775.55*	Max WS	35.68	35.68	0.00	0.00		4.23	1537.75	0.85	2891.64
Hempstead Lake	7761.92*	Max WS	35.68	35.68	0.00	0.00		4.67	1537.29	0.85	2898.94
Hempstead Lake	7748.29*	Max WS	35.68	35.68	0.00	0.00		5.15	1536.80	0.85	2905.92
Hempstead Lake	7734.65*	Max WS	35.68	35.68	0.00	0.00		5.66	1536.27	0.85	2913.39
Hempstead Lake	7721.02*	Max WS	35.68	35.68	0.00	0.00		6.20	1535.71	0.85	2920.75
Hempstead Lake	7707.38*	Max WS	35.68	35.68	0.00	0.00		6.71	1530.99	0.84	2928.97
Hempstead Lake	7693.75*	Max WS	35.68	35.68	0.00	0.00		7.31	1534.58	0.85	2937.31
Hempstead Lake	7680.12*	Max WS	35.68	35.68	0.00	0.00		7.87	1534.00	0.85	2946.82
Hempstead Lake	7666.48*	Max WS	35.68	35.68	0.00	0.00		8.49	1533.36	0.84	2956.21
Hempstead Lake	7652.85*	Max WS	35.68	35.68	0.00	0.00		9.10	1532.72	0.85	2964.94
Hempstead Lake	7639.22*	Max WS	35.68	35.68	0.00	0.00		9.76	1532.05	0.85	2975.58
Hempstead Lake	7625.58*	Max WS	35.68	35.68	0.00	0.00		10.44	1531.34	0.85	2986.89
Hempstead Lake	7611.95*	Max WS	35.68	35.68	0.00	0.00		11.09	1530.66	0.85	2998.09
Hempstead Lake	7598.31*	Max WS	35.68	35.68	0.00	0.00		11.82	1534.31	0.85	3009.62
Hempstead Lake	7584.68*	Max WS	35.68	35.68	0.00	0.00		12.47	1529.25	0.85	3021.14
Hempstead Lake	7571.05*	Max WS	35.68	35.68	0.00	0.00		13.20	1528.50	0.85	3033.09
Hempstead Lake	7557.41*	Max WS	35.68	35.68	0.00	0.00		13.92	1527.77	0.86	3046.08
Hempstead Lake	7543.783	Max WS	35.68	35.68	0.00	0.00		14.85	1526.80	0.87	3059.52
Hempstead Lake	7530.03*	Max WS	35.68	35.68	0.00	0.00		15.97	1542.40	0.99	3073.79

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	35.68	35.68	0.00	0.00		16.66	1541.66	1.02	3087.83
Hempstead Lake	7502.53*	Max WS	35.68	35.68	0.00	0.00		17.40	1545.41	1.07	3102.54
Hempstead Lake	7488.79*	Max WS	35.68	35.68	0.00	0.00		18.06	1540.22	1.03	3176.40
Hempstead Lake	7475.04*	Max WS	35.68	35.68	0.00	0.00		18.84	1543.96	1.08	3193.07
Hempstead Lake	7461.29*	Max WS	35.68	35.68	0.00	0.00		19.58	1543.16	1.13	3209.23
Hempstead Lake	7447.54*	Max WS	35.68	35.68	0.00	0.00		20.27	1537.80	1.17	3226.51
Hempstead Lake	7433.79*	Max WS	35.68	35.68	0.00	0.00		21.03	1536.97	1.22	3243.20
Hempstead Lake	7420.04*	Max WS	35.68	35.68	0.00	0.00		21.80	1536.12	1.27	3263.67
Hempstead Lake	7406.3*	Max WS	35.68	35.68	0.00	0.00		22.59	1535.25	1.32	3283.49
Hempstead Lake	7392.55*	Max WS	35.68	35.68	0.00	0.00		23.40	1534.38	1.37	3318.68
Hempstead Lake	7378.80*	Max WS	35.68	35.68	0.00	0.00		24.22	1533.48	1.43	3329.36
Hempstead Lake	7365.05*	Max WS	35.68	35.68	0.00	0.00		25.12	1537.26	1.51	3336.93
Hempstead Lake	7351.30*	Max WS	35.68	35.68	0.00	0.00		25.89	1531.63	1.57	3344.02
Hempstead Lake	7337.55*	Max WS	35.68	35.68	0.00	0.00		26.72	1530.70	1.64	3352.20
Hempstead Lake	7323.81*	Max WS	35.68	35.68	0.00	0.00		27.58	1529.74	1.71	3359.50
Hempstead Lake	7310.06*	Max WS	35.68	35.68	0.00	0.00		28.46	1528.76	1.78	3368.55
Hempstead Lake	7296.31*	Max WS	35.68	35.68	0.00	0.00		29.43	1532.60	1.85	3377.39
Hempstead Lake	7282.56*	Max WS	35.68	35.68	0.00	0.00		30.23	1526.81	1.90	3386.28
Hempstead Lake	7268.81*	Max WS	35.68	35.68	0.00	0.00		31.14	1525.80	1.97	3396.85
Hempstead Lake	7255.06*	Max WS	35.68	35.68	0.00	0.00		32.02	1524.81	2.03	3408.74
Hempstead Lake	7241.32*	Max WS	35.68	35.68	0.00	0.00		32.94	1523.79	2.09	3422.63
Hempstead Lake	7227.57*	Max WS	35.68	35.68	0.00	0.00		33.85	1522.78	2.15	3436.21
Hempstead Lake	7213.82*	Max WS	35.68	35.68	0.00	0.00		34.87	1526.80	2.22	3450.40
Hempstead Lake	7200.07*	Max WS	35.68	35.68	0.00	0.00		35.67	1520.78	2.28	3465.03
Hempstead Lake	7186.32*	Max WS	35.68	35.68	0.00	0.00		36.74	1524.80	2.34	3482.12
Hempstead Lake	7172.57*	Max WS	35.68	35.68	0.00	0.00		37.67	1523.81	2.39	3499.47
Hempstead Lake	7158.83*	Max WS	35.68	35.68	0.00	0.00		38.64	1522.77	2.45	3516.13
Hempstead Lake	7145.08*	Max WS	35.68	35.68	0.00	0.00		39.47	1516.64	2.50	3535.58
Hempstead Lake	7131.33*	Max WS	35.68	35.68	0.00	0.00		40.47	1515.54	2.56	3554.49
Hempstead Lake	7117.58*	Max WS	35.68	35.68	0.00	0.00		41.47	1514.47	2.61	3574.71
Hempstead Lake	7103.83*	Max WS	35.68	35.68	0.00	0.00		42.56	1518.64	2.68	3599.52
Hempstead Lake	7090.08*	Max WS	35.68	35.68	0.00	0.00		42.15	1519.07	2.66	3630.25
Hempstead Lake	7076.34*	Max WS	35.68	35.68	0.00	0.00		42.93	1512.86	2.70	3660.01
Hempstead Lake	7062.59*	Max WS	35.68	35.68	0.00	0.00		43.56	1512.16	2.74	3690.85
Hempstead Lake	7048.84*	Max WS	35.68	35.68	0.00	0.00		44.49	1511.14	2.79	3720.51
Hempstead Lake	7035.09*	Max WS	35.68	35.68	0.00	0.00		45.46	1510.10	2.84	3751.55
Hempstead Lake	7021.34*	Max WS	35.68	35.68	0.00	0.00		44.00	1511.48	2.90	3773.93
Hempstead Lake	7007.6*	Max WS	35.68	35.68	0.00	0.00		45.17	1510.23	2.95	3778.09
Hempstead Lake	6993.85*	Max WS	35.68	35.68	0.00	0.00		46.35	1508.88	3.00	3782.24
Hempstead Lake	6980.10*	Max WS	35.68	35.68	0.00	0.00		47.54	1507.38	3.06	3786.39
Hempstead Lake	6966.35*	Max WS	35.68	35.68	0.00	0.00		48.70	1505.84	3.11	3790.55
Hempstead Lake	6952.60*	Max WS	35.68	35.68	0.00	0.00		50.12	1510.42	3.18	3794.70
Hempstead Lake	6938.85*	Max WS	35.68	35.68	0.00	0.00		51.12	1502.79	3.21	3798.85
Hempstead Lake	6925.11*	Max WS	35.68	35.68	0.00	0.00		52.55	1507.76	3.28	3803.01
Hempstead Lake	6911.36*	Max WS	35.68	35.68	0.00	0.00		53.58	1500.08	3.32	3807.16
Hempstead Lake	6897.61*	Max WS	35.68	35.68	0.00	0.00		54.81	1498.63	3.37	3811.31
Hempstead Lake	6883.86*	Max WS	35.68	35.67	0.00	0.00		56.05	1497.01	3.42	3815.47
Hempstead Lake	6870.11*	Max WS	35.68	35.67	0.00	0.00		52.78	1377.10	133.64	5497.30
Hempstead Lake	6856.36*	Max WS	35.68	35.67	0.00	0.00		53.52	1364.79	137.42	5495.37
Hempstead Lake	6842.62*	Max WS	35.68	35.67	0.00	0.00		54.77	1365.77	142.91	5492.88
Hempstead Lake	6828.87*	Max WS	35.68	35.67	0.00	0.00		55.44	1352.02	147.73	5484.96
Hempstead Lake	6815.12*	Max WS	35.67	35.67	0.00	0.00		56.54	1349.00	149.43	5482.12
Hempstead Lake	6801.37*	Max WS	35.67	35.67	0.00	0.00		57.49	1342.27	155.02	5480.24
Hempstead Lake	6787.62*	Max WS	35.67	35.67	0.00	0.00		58.41	1335.39	160.94	5479.07
Hempstead Lake	6773.87*	Max WS	35.67	35.67	0.00	0.00		60.26	1333.22	169.89	5475.42
Hempstead Lake	6760.13*	Max WS	35.67	35.67	0.00	0.00		61.06	1322.56	171.04	5468.98
Hempstead Lake	6746.38*	Max WS	35.67	35.67	0.00	0.00		61.95	1314.04	178.51	5458.86
Hempstead Lake	6732.634	Max WS	35.67	35.67	0.00	0.00		62.37	1310.89	190.14	5449.99
Hempstead Lake	6718.98*	Max WS	35.67	35.67	0.00	0.00		72.36	1294.08	187.64	5422.99
Hempstead Lake	6705.33*	Max WS	35.67	35.67	0.00	0.00		74.44	1296.45	192.33	5394.61
Hempstead Lake	6691.68*	Max WS	35.67	35.67	0.00	0.00		76.09	1296.44	190.55	5363.81
Hempstead Lake	6678.03*	Max WS	35.67	35.67	0.00	0.00		76.35	1283.80	193.07	5331.48
Hempstead Lake	6664.38*	Max WS	35.67	35.67	0.00	0.00		77.80	1278.45	196.67	5296.84
Hempstead Lake	6650.72*	Max WS	35.67	35.67	0.00	0.00		90.81	1458.26	3.52	3824.83
Hempstead Lake	6637.07*	Max WS	35.67	35.67	0.00	0.00		93.18	1466.41	3.45	3818.77
Hempstead Lake	6623.42*	Max WS	35.67	35.67	0.00	0.00		94.63	1454.05	3.38	3812.72
Hempstead Lake	6609.77*	Max WS	35.67	35.67	0.00	0.00		96.79	1451.80	3.28	3806.67
Hempstead Lake	6596.12*	Max WS	35.67	35.67	0.00	0.00		99.02	1449.48	3.18	3800.61
Hempstead Lake	6582.47*	Max WS	35.67	35.67	0.00	0.00		100.58	1447.70	3.12	3794.56
Hempstead Lake	6568.82*	Max WS	35.67	35.67	0.00	0.00		103.59	1444.63	3.02	3788.50
Hempstead Lake	6555.17*	Max WS	35.67	35.67	0.00	0.00		106.14	1442.16	2.92	3782.45
Hempstead Lake	6541.52*	Max WS	35.67	35.67	0.00	0.00		107.97	1440.36	2.86	3776.40

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	35.67	35.67	0.00	0.00		110.65	1437.77	2.75	3770.34
Hempstead Lake	6514.22*	Max WS	35.67	35.67	0.00	0.00		113.49	1435.02	2.64	3764.29
Hempstead Lake	6500.57*	Max WS	35.67	35.67	0.00	0.00		115.70	1420.96	2.51	3758.24
Hempstead Lake	6486.91*	Max WS	35.67	35.67	0.00	0.00		119.67	1428.99	2.47	3743.38
Hempstead Lake	6473.26*	Max WS	35.67	35.67	0.00	0.00		122.85	1425.89	2.37	3725.98
Hempstead Lake	6459.61*	Max WS	35.67	35.67	0.00	0.00		126.43	1434.59	2.28	3712.60
Hempstead Lake	6445.96*	Max WS	35.67	35.67	0.00	0.00		128.89	1419.98	2.20	3701.51
Hempstead Lake	6432.31*	Max WS	35.67	35.67	0.00	0.00		132.73	1404.15	2.08	3690.69
Hempstead Lake	6418.66*	Max WS	35.67	35.67	0.00	0.00		135.82	1401.13	1.97	3680.12
Hempstead Lake	6405.01*	Max WS	35.67	35.67	0.00	0.00		139.81	1397.17	1.90	3669.37
Hempstead Lake	6391.36*	Max WS	35.67	35.67	0.00	0.00		143.94	1393.11	1.80	3659.19
Hempstead Lake	6377.71*	Max WS	35.67	35.67	0.00	0.00		149.48	1399.84	1.70	3649.21
Hempstead Lake	6364.06*	Max WS	35.67	35.67	0.00	0.00		155.21	1394.16	1.63	3639.43
Hempstead Lake	6350.41*	Max WS	35.67	35.67	0.00	0.00		158.90	1378.34	1.51	3629.18
Hempstead Lake	6336.76*	Max WS	35.67	35.67	0.00	0.00		165.36	1384.22	1.41	3619.71
Hempstead Lake	6323.11*	Max WS	35.67	35.67	0.00	0.00		170.00	1379.63	1.34	3610.38
Hempstead Lake	6309.45*	Max WS	35.67	35.67	0.00	0.00		174.40	1363.03	1.22	3601.21
Hempstead Lake	6295.80*	Max WS	35.67	35.67	0.00	0.00		183.33	1354.18	1.12	3591.39
Hempstead Lake	6282.15*	Max WS	35.67	35.67	0.00	0.00		190.66	1359.24	1.05	3582.47
Hempstead Lake	6268.507	Max WS	35.67	35.67	0.00	0.00		198.99	1351.13	0.82	3573.70
Hempstead Lake	6259.72*	Max WS	35.67	35.67	0.00	0.00		152.93	1385.02	0.59	3372.22
Hempstead Lake	6250.93*	Max WS	35.67	35.67	0.00	0.00		118.84	1419.27	0.43	3171.49
Hempstead Lake	6242.14*	Max WS	35.67	35.67	0.00	0.00		90.30	1447.92	0.31	2970.12
Hempstead Lake	6233.35*	Max WS	35.67	35.67	0.00	0.00		67.81	1470.48	0.22	2768.93
Hempstead Lake	6224.57*	Max WS	35.67	35.67	0.00	0.00		49.62	1488.70	0.17	2557.71
Hempstead Lake	6215.78*	Max WS	35.67	35.67	0.00	0.00		34.42	1483.18	20.87	2888.04
Hempstead Lake	6206.99*	Max WS	35.67	35.67	0.00	0.00		23.18	1505.51	9.74	2556.41
Hempstead Lake	6198.21*	Max WS	35.67	35.67	0.00	0.00		14.65	1532.56	3.73	2223.95
Hempstead Lake	6189.42*	Max WS	35.67	35.67	0.00	0.00		7.75	1529.76	0.91	1916.58
Hempstead Lake	6180.638	Max WS	35.67	35.67	0.00	0.00		3.34	1534.98	0.09	1541.19
Hempstead Lake	6177.638	Max WS	35.67	35.67	0.00			4.48	1533.82	0.11	1541.19
Hempstead Lake	6029.638		Int Struct								
Hempstead Lake	5980.638	Max WS	27.14	26.93	0.21	0.20		1.85	17061.31	0.62	1091.81
Hempstead Lake	5930.638	Max WS	26.93	26.76	0.17	0.21		110.35	16895.63	28.39	1174.56
Hempstead Lake	5880.638	Max WS	26.72	26.51	0.21	0.27		9.35	16939.85	76.94	1137.95
Hempstead Lake	5830.638	Max WS	26.45	26.21	0.24	0.35			16800.41	206.49	1113.38
Hempstead Lake	5780.638	Max WS	26.10	25.81	0.29	0.40		8.16	16608.12	371.71	1128.98
Hempstead Lake	5730.638	Max WS	25.70	25.43	0.27	0.34		69.52	14897.22	2018.66	1193.32
Hempstead Lake	5680.638	Max WS	25.37	25.13	0.25	0.28		239.54	13129.18	3599.12	1257.60
Hempstead Lake	5630.638	Max WS	25.09	24.85	0.24	0.25		220.50	12397.30	4332.89	1273.57
Hempstead Lake	5580.638	Max WS	24.83	24.62	0.21	0.25		617.96	12520.23	3810.45	1260.74
Hempstead Lake	5530.638	Max WS	24.57	24.36	0.21	0.29		800.16	12773.31	3362.25	1253.60
Hempstead Lake	5480.638	Max WS	24.28	24.04	0.24	0.42		685.99	13125.00	3123.12	1249.81
Hempstead Lake	5430.638	Max WS	23.84	23.52	0.32	0.30		515.65	13263.36	3144.78	1245.25
Hempstead Lake	5380.638	Max WS	23.48	23.05	0.43	0.32		231.26	15150.98	1529.96	1197.46
Hempstead Lake	5330.638	Max WS	23.04	22.68	0.36	0.29		603.22	13442.01	2839.67	1202.29
Hempstead Lake	5307.48*	Max WS	22.75	22.40	0.35	0.24		463.30	14382.02	2002.49	1216.69
Hempstead Lake	5284.32*	Max WS	22.50	22.17	0.33	0.19		370.18	14986.48	1443.89	1204.23
Hempstead Lake	5261.17*	Max WS	22.31	22.01	0.30	0.14		305.96	15284.16	1124.66	1185.82
Hempstead Lake	5238.01*	Max WS	22.16	21.90	0.26	0.11		266.61	15406.83	943.43	1171.29
Hempstead Lake	5214.85*	Max WS	22.05	21.83	0.22	0.08		247.19	15500.99	799.10	1168.40
Hempstead Lake	5191.70*	Max WS	21.97	21.77	0.19	0.06		240.17	15545.79	689.77	1168.66
Hempstead Lake	5168.54*	Max WS	21.91	21.74	0.17	0.05		241.26	15625.27	608.94	1169.71
Hempstead Lake	5145.39*	Max WS	21.86	21.71	0.15	0.04		248.27	15647.22	543.93	1171.03
Hempstead Lake	5122.23*	Max WS	21.82	21.69	0.13	0.03		261.80	15684.23	493.01	1173.54
Hempstead Lake	5099.07*	Max WS	21.79	21.68	0.11	0.01		281.77	15672.04	449.60	1176.59
Hempstead Lake	5075.922	Max WS	21.78	21.67	0.11	0.01		134.17	16090.36	178.67	1179.12
Hempstead Lake	5055.96*	Max WS	21.77	21.68	0.09	0.01		263.44	15808.56	331.01	1165.50
Hempstead Lake	5036.01*	Max WS	21.76	21.67	0.09	0.01		217.25	15899.88	285.72	1152.98
Hempstead Lake	5016.05*	Max WS	21.75	21.67	0.08	0.01		180.25	15973.88	248.54	1150.98
Hempstead Lake	4996.10*	Max WS	21.74	21.67	0.07	0.00		145.27	16045.97	211.25	1152.40
Hempstead Lake	4976.14*	Max WS	21.74	21.67	0.07	0.00		117.64	16105.14	179.53	1154.96
Hempstead Lake	4956.192	Max WS	21.74	21.68	0.06	0.00		62.25	16215.04	124.87	1158.38
Hempstead Lake	4936.44*	Max WS	21.73	21.68	0.05	0.00		144.59	16109.98	147.47	1152.94
Hempstead Lake	4916.69*	Max WS	21.73	21.68	0.05	0.00		174.00	16062.19	165.77	1146.62
Hempstead Lake	4896.94*	Max WS	21.73	21.69	0.04	0.00		206.03	16008.67	187.19	1140.41
Hempstead Lake	4877.19*	Max WS	21.73	21.69	0.04	0.00		233.43	15961.72	206.68	1133.77
Hempstead Lake	4857.44*	Max WS	21.72	21.69	0.04	0.00		269.86	15901.00	230.92	1126.78
Hempstead Lake	4837.697	Max WS	21.72	21.69	0.04	0.00		121.12	16093.30	187.30	1117.93
Hempstead Lake	4817.64*	Max WS	21.72	21.69	0.03	0.00		402.80	15813.65	233.11	1112.11
Hempstead Lake	4797.59*	Max WS	21.72	21.68	0.03	0.00		438.31	15803.18	207.97	1105.86
Hempstead Lake	4777.53*	Max WS	21.71	21.68	0.03	0.00		474.39	15790.03	184.92	1099.69

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	21.71	21.68	0.03	0.00		517.12	15767.83	164.25	1092.93
Hempstead Lake	4737.42*	Max WS	21.70	21.67	0.03	0.00		554.55	15749.50	144.98	1086.48
Hempstead Lake	4717.37*	Max WS	21.70	21.67	0.03	0.00		593.02	15728.12	127.69	1080.42
Hempstead Lake	4697.32*	Max WS	21.70	21.67	0.03	0.00		631.89	15704.68	112.02	1073.56
Hempstead Lake	4677.26*	Max WS	21.69	21.66	0.03	0.00		678.61	15671.49	98.26	1066.24
Hempstead Lake	4657.21*	Max WS	21.69	21.66	0.03	0.00		728.04	15633.75	86.29	1058.44
Hempstead Lake	4637.16*	Max WS	21.69	21.66	0.03	0.00		769.39	15602.45	75.95	1050.51
Hempstead Lake	4617.10*	Max WS	21.69	21.65	0.03	0.00		810.34	15570.41	66.73	1043.43
Hempstead Lake	4597.05*	Max WS	21.68	21.65	0.03	0.00		851.51	15537.14	58.50	1037.34
Hempstead Lake	4577.*	Max WS	21.68	21.65	0.03	0.00		906.69	15463.22	51.34	1031.34
Hempstead Lake	4556.94*	Max WS	21.68	21.65	0.03	0.00		950.07	15426.23	44.92	1026.22
Hempstead Lake	4536.893	Max WS	21.67	21.64	0.03	0.00		550.79	15856.09	14.30	1021.27
Hempstead Lake	4516.70*	Max WS	21.67	21.64	0.03	0.00		1044.72	15336.77	42.95	1019.33
Hempstead Lake	4496.51*	Max WS	21.67	21.64	0.03	0.00		1050.62	15321.35	52.40	1016.88
Hempstead Lake	4476.32*	Max WS	21.67	21.64	0.03	0.00		1033.99	15326.61	63.68	1015.22
Hempstead Lake	4456.14*	Max WS	21.67	21.64	0.03	0.00		1038.72	15310.02	75.43	1013.40
Hempstead Lake	4435.95*	Max WS	21.66	21.64	0.03	0.00		1044.50	15291.32	88.21	1011.70
Hempstead Lake	4415.76*	Max WS	21.66	21.63	0.03	0.00		1025.81	15296.51	101.56	1010.52
Hempstead Lake	4395.57*	Max WS	21.66	21.63	0.03	0.00		1029.94	15277.99	115.78	1009.22
Hempstead Lake	4375.38*	Max WS	21.66	21.63	0.03	0.00		1010.78	15281.88	130.86	1008.43
Hempstead Lake	4355.20*	Max WS	21.65	21.63	0.03	0.00		1016.31	15260.88	146.14	1009.25
Hempstead Lake	4335.01*	Max WS	21.65	21.63	0.03	0.00		1022.09	15238.94	162.07	1009.84
Hempstead Lake	4314.82*	Max WS	21.65	21.62	0.03	0.00		1001.40	15242.75	178.71	1010.64
Hempstead Lake	4294.63*	Max WS	21.65	21.62	0.03	0.00		1007.78	15218.79	196.03	1011.29
Hempstead Lake	4274.44*	Max WS	21.65	21.62	0.03	0.00		987.07	15221.18	214.08	1012.07
Hempstead Lake	4254.26*	Max WS	21.64	21.62	0.02	0.00		993.04	15196.75	232.28	1012.56
Hempstead Lake	4234.07*	Max WS	21.64	21.62	0.02	0.00		999.87	15171.06	250.82	1013.00
Hempstead Lake	4213.88*	Max WS	21.64	21.62	0.02	0.00		978.25	15172.72	270.47	1013.61
Hempstead Lake	4193.69*	Max WS	21.64	21.62	0.02	0.00		985.04	15146.26	289.82	1014.00
Hempstead Lake	4173.50*	Max WS	21.64	21.61	0.02	0.00		962.09	15129.44	309.55	1014.29
Hempstead Lake	4153.320	Max WS	21.64	21.61	0.02	0.00		397.91	15676.67	326.48	1014.69
Hempstead Lake	4131.85*	Max WS	21.63	21.61	0.02	0.00		897.48	15165.17	341.33	1008.59
Hempstead Lake	4110.38*	Max WS	21.63	21.61	0.02	0.00		873.26	15178.71	351.96	1003.23
Hempstead Lake	4088.91*	Max WS	21.63	21.61	0.02	0.00		871.68	15170.16	362.02	998.22
Hempstead Lake	4067.44*	Max WS	21.63	21.61	0.02	0.00		842.05	15188.49	373.24	993.84
Hempstead Lake	4045.97*	Max WS	21.63	21.60	0.02	0.00		810.43	15208.82	384.43	989.82
Hempstead Lake	4024.50*	Max WS	21.63	21.60	0.02	0.00		801.50	15206.59	395.46	986.05
Hempstead Lake	4003.034	Max WS	21.62	21.60	0.02	0.00		312.18	15685.79	405.43	982.63
Hempstead Lake	3984.01*	Max WS	21.62	21.60	0.03	0.00		628.65	15393.12	381.50	978.45
Hempstead Lake	3964.99*	Max WS	21.62	21.59	0.03	0.00		648.84	15391.94	362.31	977.84
Hempstead Lake	3945.97*	Max WS	21.62	21.58	0.04	0.00		656.51	15399.93	346.43	998.55
Hempstead Lake	3926.95*	Max WS	21.61	21.57	0.05	0.01		688.51	15364.83	332.11	1019.53
Hempstead Lake	3907.93*	Max WS	21.61	21.55	0.06	0.00		719.87	15325.64	339.88	1086.18
Hempstead Lake	3888.916	Max WS	21.60	21.53	0.08	0.00		317.20	15734.60	333.43	1082.95
Hempstead Lake	3883.916	Max WS	21.60	21.52	0.08			277.52	15781.47	328.89	1085.47
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	21.47	21.37	0.10	0.00		131.21	16058.82	118.80	1079.80
Hempstead Lake	3858.916	Max WS	21.47	21.36	0.11	0.01		145.46	16037.38	125.94	1081.23
Hempstead Lake	3826.579	Max WS	21.47	21.31	0.16	0.00		237.02	15918.52	106.56	1084.96
Hempstead Lake	3821.579	Max WS	21.47	21.30	0.17			256.74	15904.36	100.98	1086.88
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	21.38	21.22	0.16	0.00		754.06	15149.12	358.90	1160.12
Hempstead Lake	3736.579	Max WS	21.38	21.22	0.16	0.01		440.30	15682.04	115.37	1164.18
Hempstead Lake	3699.46*	Max WS	21.36	21.22	0.15	0.01		470.86	15547.15	219.66	1177.22
Hempstead Lake	3662.35*	Max WS	21.35	21.22	0.13	0.01		468.04	15382.31	387.27	1208.86
Hempstead Lake	3625.24*	Max WS	21.34	21.21	0.12	0.01		456.90	15176.54	604.13	1245.03
Hempstead Lake	3588.13*	Max WS	21.32	21.21	0.11	0.01		455.49	14883.80	898.22	1278.30
Hempstead Lake	3551.028	Max WS	21.31	21.21	0.10	0.01		405.87	14718.44	1113.09	1304.14
Hempstead Lake	3531.67*	Max WS	21.31	21.20	0.10	0.01		488.02	14572.68	1176.62	1307.63
Hempstead Lake	3512.33*	Max WS	21.30	21.19	0.11	0.01		481.74	14751.60	1003.83	1305.28
Hempstead Lake	3492.98*	Max WS	21.30	21.17	0.12	0.01		474.43	14915.82	846.68	1290.70
Hempstead Lake	3473.63*	Max WS	21.29	21.16	0.13	0.01		464.14	15017.61	754.86	1246.14
Hempstead Lake	3454.28*	Max WS	21.28	21.14	0.14	0.01		453.81	15141.95	620.77	1234.00
Hempstead Lake	3434.93*	Max WS	21.28	21.13	0.15	0.01		437.33	15291.57	487.51	1221.23
Hempstead Lake	3415.58*	Max WS	21.27	21.11	0.16	0.01		423.04	15420.78	372.38	1209.75
Hempstead Lake	3396.239	Max WS	21.26	21.09	0.17	0.01		485.56	15396.15	334.19	1186.56
Hempstead Lake	3376.88*	Max WS	21.26	21.08	0.18	0.01		438.16	15478.23	280.25	1174.59
Hempstead Lake	3357.52*	Max WS	21.25	21.07	0.18	0.01		470.13	15443.40	283.05	1161.27
Hempstead Lake	3338.16*	Max WS	21.24	21.06	0.18	0.01		504.34	15402.80	289.34	1144.46
Hempstead Lake	3318.80*	Max WS	21.23	21.05	0.18	0.01		539.68	15358.40	298.26	1129.83
Hempstead Lake	3299.44*	Max WS	21.22	21.04	0.18	0.01		576.34	15311.94	307.89	1117.21
Hempstead Lake	3280.08*	Max WS	21.22	21.03	0.18	0.01		614.37	15261.00	320.59	1104.61

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	21.21	21.02	0.18	0.01		653.17	15207.66	334.90	1092.54
Hempstead Lake	3241.37*	Max WS	21.20	21.01	0.19	0.01		685.88	15163.29	346.25	1081.07
Hempstead Lake	3222.01*	Max WS	21.19	21.00	0.19	0.01		730.77	15085.94	361.61	1069.07
Hempstead Lake	3202.65*	Max WS	21.18	20.99	0.19	0.01		776.62	15024.07	377.60	1060.58
Hempstead Lake	3183.29*	Max WS	21.17	20.98	0.19	0.01		823.58	14961.03	393.61	1053.56
Hempstead Lake	3163.93*	Max WS	21.16	20.97	0.19	0.01		873.01	14894.89	410.20	1045.61
Hempstead Lake	3144.581	Max WS	21.15	20.95	0.20	0.01		854.62	14927.80	395.52	1038.91
Hempstead Lake	3124.73*	Max WS	21.14	20.94	0.20	0.01		835.73	14971.28	370.74	1042.05
Hempstead Lake	3104.89*	Max WS	21.13	20.93	0.20	0.01		848.03	14968.02	361.45	1045.08
Hempstead Lake	3085.04*	Max WS	21.12	20.92	0.20	0.01		854.58	14969.56	353.11	1051.81
Hempstead Lake	3065.2*	Max WS	21.11	20.91	0.20	0.01		863.24	14968.18	345.56	1059.21
Hempstead Lake	3045.35*	Max WS	21.10	20.90	0.20	0.01		856.84	14971.38	333.83	1104.78
Hempstead Lake	3025.51*	Max WS	21.09	20.89	0.20	0.01		872.64	14956.32	333.06	1134.09
Hempstead Lake	3005.66*	Max WS	21.08	20.89	0.20	0.01		882.67	14940.38	338.93	1160.30
Hempstead Lake	2985.81*	Max WS	21.08	20.88	0.20	0.01		866.90	14956.22	338.79	1264.24
Hempstead Lake	2965.974	Max WS	21.07	20.87	0.19	0.01		921.04	14861.13	379.66	1300.80
Hempstead Lake	2951.87*	Max WS	21.06	20.87	0.19	0.01		981.36	14789.43	390.97	1310.76
Hempstead Lake	2937.77*	Max WS	21.05	20.87	0.18	0.01		981.02	14803.92	376.76	1321.87
Hempstead Lake	2923.67*	Max WS	21.04	20.86	0.18	0.01		991.62	14805.91	364.11	1325.27
Hempstead Lake	2909.57*	Max WS	21.03	20.86	0.18	0.01		1000.10	14809.52	351.94	1328.04
Hempstead Lake	2895.47*	Max WS	21.03	20.85	0.18	0.01		1009.31	14810.46	341.71	1330.74
Hempstead Lake	2881.37*	Max WS	21.02	20.85	0.17	0.01		1016.40	14813.64	331.36	1334.05
Hempstead Lake	2867.27*	Max WS	21.01	20.84	0.17	0.01		1027.13	14810.58	323.59	1335.65
Hempstead Lake	2853.17*	Max WS	21.00	20.84	0.17	0.01		1034.43	14813.75	313.03	1340.35
Hempstead Lake	2839.07*	Max WS	21.00	20.83	0.17	0.01		1044.01	14812.95	304.16	1343.37
Hempstead Lake	2824.98*	Max WS	20.99	20.83	0.16	0.01		1049.47	14813.87	297.67	1347.46
Hempstead Lake	2810.88*	Max WS	20.98	20.82	0.16	0.01		1050.60	14817.80	292.49	1352.62
Hempstead Lake	2796.78*	Max WS	20.98	20.82	0.16	0.01		1057.75	14815.18	287.87	1356.29
Hempstead Lake	2782.68*	Max WS	20.97	20.81	0.16	0.01		1060.36	14818.48	281.83	1358.51
Hempstead Lake	2768.58*	Max WS	20.96	20.81	0.15	0.01		1064.85	14818.34	277.36	1361.26
Hempstead Lake	2754.48*	Max WS	20.96	20.81	0.15	0.01		1070.91	14817.48	272.04	1363.86
Hempstead Lake	2740.38*	Max WS	20.95	20.80	0.15	0.01		1077.40	14816.42	266.49	1368.43
Hempstead Lake	2726.28*	Max WS	20.94	20.80	0.15	0.01		1084.83	14815.24	260.10	1372.51
Hempstead Lake	2712.18*	Max WS	20.94	20.79	0.14	0.01		1091.49	14814.03	254.53	1374.71
Hempstead Lake	2698.08*	Max WS	20.93	20.79	0.14	0.01		1095.04	14815.18	249.68	1376.80
Hempstead Lake	2683.98*	Max WS	20.92	20.78	0.14	0.01		1089.62	14823.77	246.36	1384.38
Hempstead Lake	2669.88*	Max WS	20.92	20.78	0.14	0.01		1084.58	14834.43	240.60	1393.34
Hempstead Lake	2655.78*	Max WS	20.91	20.78	0.14	0.01		1092.15	14830.32	237.00	1389.79
Hempstead Lake	2641.68*	Max WS	20.91	20.77	0.13	0.01		1098.06	14829.38	231.86	1384.48
Hempstead Lake	2627.58*	Max WS	20.90	20.77	0.13	0.01		1104.05	14854.97	200.13	1458.13
Hempstead Lake	2613.48*	Max WS	20.90	20.77	0.13	0.00		1112.09	14881.68	165.22	1446.44
Hempstead Lake	2599.38*	Max WS	20.89	20.76	0.13	0.00		1114.69	14875.06	169.07	1412.94
Hempstead Lake	2585.29*	Max WS	20.89	20.76	0.13	0.00		1132.86	14854.80	170.99	1370.04
Hempstead Lake	2571.19*	Max WS	20.88	20.76	0.13	0.01		1144.76	14844.23	169.49	1326.49
Hempstead Lake	2557.091	Max WS	20.87	20.76	0.11	0.01		1745.33	14162.50	250.49	1282.93
Hempstead Lake	2552.091	Max WS	20.87	20.72	0.15			2156.75	13643.73	357.79	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	20.81	20.67	0.14	0.00		2271.10	13594.70	292.47	1282.93
Hempstead Lake	2487.091	Max WS	20.79	20.70	0.10	0.00		1640.61	14328.58	189.01	1282.93
Hempstead Lake	2477.12*	Max WS	20.79	20.68	0.11	0.00		1142.65	14852.67	162.71	1295.08
Hempstead Lake	2467.14*	Max WS	20.79	20.68	0.11	0.00		1197.15	14752.38	208.32	1307.22
Hempstead Lake	2457.17*	Max WS	20.79	20.68	0.11	0.00		1252.41	14644.33	260.93	1319.37
Hempstead Lake	2447.20*	Max WS	20.78	20.67	0.11	0.00		1309.88	14525.95	321.66	1331.51
Hempstead Lake	2437.23*	Max WS	20.78	20.68	0.10	0.00		1723.13	13940.99	493.18	1343.66
Hempstead Lake	2427.26*	Max WS	20.77	20.67	0.10	0.00		1775.62	13797.30	584.19	1355.81
Hempstead Lake	2417.29*	Max WS	20.77	20.67	0.10	0.00		1824.00	13618.44	714.47	1341.65
Hempstead Lake	2407.32*	Max WS	20.77	20.65	0.11	0.00		1541.91	13924.78	690.01	1346.38
Hempstead Lake	2397.35*	Max WS	20.76	20.65	0.11	0.00		1600.97	13742.96	812.58	1352.77
Hempstead Lake	2387.37*	Max WS	20.76	20.65	0.11	0.00		1658.68	13550.53	947.08	1359.84
Hempstead Lake	2377.40*	Max WS	20.76	20.64	0.11	0.00		1717.30	13346.75	1092.03	1367.15
Hempstead Lake	2367.43*	Max WS	20.75	20.64	0.11	0.00		1780.86	13118.44	1253.33	1374.82
Hempstead Lake	2357.46*	Max WS	20.75	20.64	0.11	0.00		1830.70	12839.33	1482.59	1352.71
Hempstead Lake	2347.49*	Max WS	20.75	20.64	0.11	0.00		1885.62	12591.95	1675.04	1359.08
Hempstead Lake	2337.52*	Max WS	20.74	20.63	0.11	0.00		1939.98	12330.42	1882.20	1365.43
Hempstead Lake	2327.55*	Max WS	20.74	20.63	0.11	0.00		1994.20	12057.94	2100.45	1372.02
Hempstead Lake	2317.58*	Max WS	20.74	20.63	0.11	0.00		2045.97	11774.73	2331.88	1378.71
Hempstead Lake	2307.60*	Max WS	20.73	20.63	0.10	0.00		2098.37	11476.88	2577.33	1385.47
Hempstead Lake	2297.63*	Max WS	20.73	20.63	0.10	0.00		2147.54	11174.85	2830.17	1392.32
Hempstead Lake	2287.66*	Max WS	20.72	20.62	0.10	0.00		2195.24	10863.16	3094.13	1399.24
Hempstead Lake	2277.69*	Max WS	20.72	20.62	0.10	0.00		2240.68	10543.73	3368.10	1406.21
Hempstead Lake	2267.72*	Max WS	20.72	20.62	0.10	0.00		2283.84	10215.94	3652.71	1413.23
Hempstead Lake	2257.752	Max WS	20.70	20.64	0.07	0.00		2928.99	8266.85	4956.64	1421.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	20.70	20.62	0.08	0.00		2911.60	8521.90	4718.95	1409.06
Hempstead Lake	2247.752	Max WS	20.70	20.63	0.07			3461.86	7336.72	5353.86	1399.86
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	20.60	20.37	0.24	0.00		2646.17	8296.63	5209.65	1294.88
Hempstead Lake	2192.75*	Max WS	20.59	20.37	0.23	0.00		2974.53	8572.70	4605.17	1252.34
Hempstead Lake	2187.752	Max WS	20.61	20.35	0.26	0.00		3337.19	8768.66	4046.51	1233.91
Hempstead Lake	2178.63*	Max WS	20.62	20.34	0.27	0.00		3271.00	8889.50	3991.84	1236.71
Hempstead Lake	2169.52*	Max WS	20.62	20.33	0.29	0.00		3204.10	9009.12	3939.08	1252.84
Hempstead Lake	2160.40*	Max WS	20.63	20.32	0.31	0.00		3157.92	9193.56	3800.78	1280.16
Hempstead Lake	2151.29*	Max WS	20.64	20.30	0.33	0.00		3091.50	9319.07	3741.66	1291.40
Hempstead Lake	2142.17*	Max WS	20.64	20.29	0.35	0.00		3019.81	9442.00	3690.39	1300.64
Hempstead Lake	2133.05*	Max WS	20.65	20.28	0.37	0.00		2945.67	9561.20	3645.29	1311.48
Hempstead Lake	2123.94*	Max WS	20.66	20.26	0.40	0.00		2868.85	9680.25	3603.03	1323.27
Hempstead Lake	2114.82*	Max WS	20.67	20.25	0.42	0.01		2790.45	9807.78	3553.87	1353.41
Hempstead Lake	2105.71*	Max WS	20.69	20.23	0.46	0.01		2744.36	10047.18	3360.52	1356.43
Hempstead Lake	2096.59*	Max WS	20.70	20.21	0.49	0.01		2654.78	10148.63	3348.61	1351.79
Hempstead Lake	2087.48*	Max WS	20.71	20.19	0.51	0.01		2564.62	10249.50	3337.86	1347.17
Hempstead Lake	2078.36*	Max WS	20.72	20.17	0.54	0.01		2473.72	10351.70	3326.52	1342.99
Hempstead Lake	2069.25*	Max WS	20.73	20.16	0.57	0.01		2379.10	10458.85	3313.96	1339.03
Hempstead Lake	2060.13*	Max WS	20.74	20.13	0.60	0.01		2286.17	10567.19	3298.51	1334.82
Hempstead Lake	2051.01*	Max WS	20.75	20.11	0.64	0.01		2189.59	10680.43	3281.82	1331.19
Hempstead Lake	2041.90*	Max WS	20.77	20.09	0.68	0.01		2092.60	10796.30	3262.91	1327.01
Hempstead Lake	2032.78*	Max WS	20.78	20.06	0.72	0.01		1994.45	10917.76	3239.55	1323.08
Hempstead Lake	2023.67*	Max WS	20.80	20.03	0.77	0.01		1894.49	11045.70	3211.55	1319.37
Hempstead Lake	2014.55*	Max WS	20.82	20.00	0.82	0.01		1792.37	11169.85	3189.50	1313.32
Hempstead Lake	2005.44*	Max WS	20.84	19.96	0.88	0.01		1695.01	11293.24	3163.43	1301.40
Hempstead Lake	1996.32*	Max WS	20.86	19.93	0.94	0.01		1595.62	11424.35	3131.69	1288.95
Hempstead Lake	1987.20*	Max WS	20.89	19.88	1.01	0.01		1494.09	11564.40	3093.15	1275.55
Hempstead Lake	1978.09*	Max WS	20.92	19.83	1.09	0.02		1389.36	11716.60	3045.66	1261.00
Hempstead Lake	1968.97*	Max WS	20.96	19.78	1.18	0.02		1272.85	11883.02	2995.74	1247.60
Hempstead Lake	1959.86*	Max WS	21.00	19.71	1.29	0.02		1149.33	12074.75	2927.52	1233.09
Hempstead Lake	1950.747	Max WS	21.05	19.63	1.42	0.01		1022.80	12267.67	2839.29	1213.43
Hempstead Lake	1945.747	Max WS	20.71	20.00	0.70			1386.90	7415.29	7349.53	1316.92
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	18.13	17.93	0.20	0.01		179.34	4304.68	10506.42	1058.15
Hempstead Lake	1880.747	Max WS	18.15	17.89	0.25	0.01		65.18	11311.46	3613.71	1072.09
Hempstead Lake	1848.83*	Max WS	18.07	17.99	0.09	0.00		136.16	13551.55	1331.97	1202.17
Hempstead Lake	1816.92*	Max WS	18.06	18.02	0.04	0.00		199.10	14222.97	621.38	1317.56
Hempstead Lake	1785.01*	Max WS	18.06	18.04	0.02	0.00		271.89	14442.46	328.47	1349.16
Hempstead Lake	1753.104	Max WS	18.05	18.04	0.01	0.00		140.57	14805.85	95.91	1383.89
Hempstead Lake	1732.65*	Max WS	18.05	18.04	0.01	0.00		379.98	14291.39	370.68	1422.09
Hempstead Lake	1712.21*	Max WS	18.05	18.04	0.01	0.00		395.80	14148.74	497.22	1466.59
Hempstead Lake	1691.76*	Max WS	18.05	18.04	0.01	0.00		411.07	13980.36	650.04	1506.85
Hempstead Lake	1671.32*	Max WS	18.05	18.04	0.01	0.00		425.63	13785.20	830.35	1539.93
Hempstead Lake	1650.87*	Max WS	18.05	18.04	0.01	0.00		438.55	13566.07	1036.28	1569.54
Hempstead Lake	1630.434	Max WS	18.05	18.04	0.01	0.00		215.66	13871.37	953.59	1598.41
Hempstead Lake	1610.36*	Max WS	18.05	18.04	0.01	0.00		459.50	13395.84	1185.03	1594.93
Hempstead Lake	1590.30*	Max WS	18.05	18.04	0.01	0.00		405.49	13524.58	1110.04	1589.05
Hempstead Lake	1570.23*	Max WS	18.05	18.04	0.01	0.00		353.77	13651.70	1034.41	1582.57
Hempstead Lake	1550.17*	Max WS	18.05	18.04	0.01	0.00		295.62	13785.06	958.99	1575.26
Hempstead Lake	1530.10*	Max WS	18.05	18.04	0.01	0.00		249.66	13906.91	882.90	1566.40
Hempstead Lake	1510.03*	Max WS	18.05	18.03	0.01	0.00		202.63	14043.19	793.48	1555.87
Hempstead Lake	1489.97*	Max WS	18.05	18.03	0.02	0.00		163.00	14155.42	720.73	1543.03
Hempstead Lake	1469.90*	Max WS	18.05	18.03	0.02	0.00		126.99	14261.75	650.30	1526.19
Hempstead Lake	1449.83*	Max WS	18.05	18.03	0.02	0.00		95.14	14360.48	583.34	1505.54
Hempstead Lake	1429.77*	Max WS	18.05	18.03	0.02	0.00		65.96	14459.88	513.07	1493.18
Hempstead Lake	1409.707	Max WS	18.05	18.03	0.02	0.00		23.35	14430.98	595.17	1480.98
Hempstead Lake	1389.03*	Max WS	18.04	18.02	0.02	0.00		28.51	15398.18	456.58	1474.67
Hempstead Lake	1368.35*	Max WS	18.04	18.02	0.02	0.00		32.51	15391.96	458.23	1469.18
Hempstead Lake	1347.67*	Max WS	18.04	18.02	0.02	0.00		36.58	15385.84	459.78	1463.88
Hempstead Lake	1326.99*	Max WS	18.04	18.02	0.02	0.00		40.72	15379.60	461.43	1458.63
Hempstead Lake	1306.32*	Max WS	18.04	18.02	0.02	0.00		46.45	15355.94	479.02	1453.46
Hempstead Lake	1285.64*	Max WS	18.04	18.02	0.02	0.00		50.72	15348.08	482.33	1449.12
Hempstead Lake	1264.96*	Max WS	18.04	18.02	0.02	0.00		54.96	15340.08	485.89	1444.74
Hempstead Lake	1244.28*	Max WS	18.04	18.02	0.02	0.00		59.21	15331.37	490.20	1449.35
Hempstead Lake	1223.61*	Max WS	18.04	18.02	0.03	0.00		63.30	15321.68	495.71	1482.23
Hempstead Lake	1202.93*	Max WS	18.04	18.02	0.03	0.00		67.25	15317.03	502.56	1521.91
Hempstead Lake	1182.25*	Max WS	18.04	18.02	0.03	0.00		54.98	15320.04	511.12	1749.81
Hempstead Lake	1161.57*	Max WS	18.04	18.02	0.03	0.00		58.67	15306.77	520.00	1890.99
Hempstead Lake	1140.90*	Max WS	18.04	18.02	0.03	0.00		63.34	15293.67	527.85	1915.61
Hempstead Lake	1120.22*	Max WS	18.04	18.01	0.03	0.00		78.58	15177.14	550.84	1892.35
Hempstead Lake	1099.54*	Max WS	18.04	18.01	0.03	0.00		92.88	15152.58	560.90	1868.59

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	18.04	18.01	0.03	0.00		107.55	15125.66	572.91	1844.10
Hempstead Lake	1058.19*	Max WS	18.04	18.01	0.03	0.00		123.34	15096.37	586.13	1818.48
Hempstead Lake	1037.515	Max WS	18.04	18.02	0.02	0.00		127.89	14631.12	1046.54	1791.92
Hempstead Lake	1017.08*	Max WS	18.04	18.01	0.02	0.00		373.29	14805.50	631.26	1800.61
Hempstead Lake	996.645*	Max WS	18.04	18.01	0.02	0.00		445.91	14654.00	709.80	1809.87
Hempstead Lake	976.210*	Max WS	18.04	18.01	0.02	0.00		525.18	14514.15	770.03	1820.87
Hempstead Lake	955.775*	Max WS	18.04	18.01	0.02	0.00		612.79	14346.79	849.44	1831.31
Hempstead Lake	935.340*	Max WS	18.04	18.01	0.02	0.00		694.06	14199.14	915.52	1838.41
Hempstead Lake	914.905*	Max WS	18.04	18.01	0.02	0.00		795.04	14012.93	1000.46	1844.88
Hempstead Lake	894.471*	Max WS	18.03	18.01	0.02	0.00		911.35	13842.92	1053.92	1871.74
Hempstead Lake	874.036*	Max WS	18.03	18.01	0.02	0.00		1031.31	13662.78	1113.92	1929.67
Hempstead Lake	853.601*	Max WS	18.03	18.01	0.02	0.00		1142.08	13490.17	1175.65	1966.01
Hempstead Lake	833.166*	Max WS	18.03	18.01	0.02	0.00		1277.59	13279.10	1265.36	1985.37
Hempstead Lake	812.731*	Max WS	18.03	18.01	0.02	0.00		1435.89	13044.68	1340.21	1994.01
Hempstead Lake	792.296*	Max WS	18.03	18.01	0.02	0.00		1587.44	12795.65	1436.45	2001.93
Hempstead Lake	771.862	Max WS	18.03	18.00	0.03	0.00		749.74	13649.41	1419.21	2008.49
Hempstead Lake	750.331*	Max WS	18.03	18.00	0.02	0.00		1548.17	12885.57	1385.73	2029.12
Hempstead Lake	728.8*	Max WS	18.02	18.00	0.03	0.00		1355.12	13189.66	1273.61	2049.76
Hempstead Lake	707.269*	Max WS	18.02	18.00	0.03	0.00		1184.22	13492.61	1140.60	2070.64
Hempstead Lake	685.738*	Max WS	18.02	17.99	0.03	0.00		1016.72	13792.08	1007.84	2091.41
Hempstead Lake	664.207*	Max WS	18.02	17.99	0.03	0.00		857.13	14081.99	876.90	2112.56
Hempstead Lake	642.676*	Max WS	18.02	17.98	0.03	0.00		703.21	14348.04	764.38	2133.68
Hempstead Lake	621.145*	Max WS	18.02	17.98	0.04	0.00		566.42	14611.33	642.73	2155.15
Hempstead Lake	599.614*	Max WS	18.02	17.98	0.04	0.00		443.34	14846.96	528.16	2176.68
Hempstead Lake	578.083*	Max WS	18.02	17.97	0.04	0.00		335.06	15058.00	423.59	2199.07
Hempstead Lake	556.552*	Max WS	18.01	17.97	0.04	0.00		247.34	15228.34	339.43	2221.14
Hempstead Lake	535.021*	Max WS	18.01	17.97	0.05	0.00		174.58	15381.83	257.48	2242.01
Hempstead Lake	513.490	Max WS	18.01	17.97	0.05	0.00		107.06	15331.63	374.36	2262.89
Hempstead Lake	493.038*	Max WS	18.01	17.96	0.05	0.00		151.69	15432.16	232.55	2163.34
Hempstead Lake	472.587*	Max WS	18.01	17.95	0.06	0.00		163.39	15431.80	220.98	2061.65
Hempstead Lake	452.136*	Max WS	18.01	17.94	0.07	0.00		174.94	15430.96	208.51	1960.42
Hempstead Lake	431.685*	Max WS	18.01	17.93	0.08	0.00		186.39	15426.90	199.85	1831.81
Hempstead Lake	411.234*	Max WS	18.01	17.91	0.10	0.00		194.86	15429.60	187.92	1725.45
Hempstead Lake	390.783*	Max WS	18.01	17.89	0.11	0.01		203.99	15430.64	176.50	1631.55
Hempstead Lake	370.332*	Max WS	18.00	17.87	0.14	0.01		210.98	15435.11	162.96	1544.60
Hempstead Lake	349.881*	Max WS	18.00	17.83	0.17	0.01		213.74	15446.86	147.00	1462.27
Hempstead Lake	329.430*	Max WS	17.99	17.78	0.21	0.02		210.91	15466.99	128.95	1382.17
Hempstead Lake	308.979*	Max WS	17.98	17.72	0.26	0.02		196.21	15503.80	106.84	1303.81
Hempstead Lake	288.528*	Max WS	17.97	17.62	0.35	0.03		164.38	15559.27	81.13	1226.94
Hempstead Lake	268.077*	Max WS	17.95	17.46	0.48	0.04		105.02	15648.02	50.72	1150.58
Hempstead Lake	247.626*	Max WS	17.94	17.20	0.74	0.07		19.68	15762.36	17.77	1073.80
Hempstead Lake	227.175*	Max WS	18.02	16.63	1.39	0.08			15793.22	0.07	426.75
Hempstead Lake	206.724	Max WS	17.99	15.63	2.36	0.01			14997.62		149.87
Hempstead Lake	201.724	Max WS	18.01	16.48	1.53				15473.12		172.22
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	16.60	15.56	1.04	0.00		5259.22	10772.71		157.99
Hempstead Lake	166.724	Max WS	16.60	15.56	1.04			5258.14	10771.59		157.97

80% 1/2 PMF EX BREACH 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	5639.42	26.48	41.93		41.94	0.000012	0.95	7228.44	806.17	0.05
Hempstead Lake	15523.7*	Max WS	5639.39	26.43	41.92		41.94	0.000062	0.89	7242.65	797.03	0.04
Hempstead Lake	15503.5*	Max WS	5639.36	26.38	41.92		41.93	0.000058	0.89	7254.27	790.37	0.04
Hempstead Lake	15483.3*	Max WS	5639.32	26.34	41.92		41.93	0.000052	0.89	7263.08	786.30	0.04
Hempstead Lake	15463.0*	Max WS	5639.27	26.29	41.92		41.93	0.000048	0.89	7268.96	782.09	0.04
Hempstead Lake	15442.8*	Max WS	5639.21	26.24	41.92		41.93	0.000044	0.89	7273.82	774.54	0.04
Hempstead Lake	15422.5*	Max WS	5639.15	26.19	41.92		41.93	0.000040	0.89	7277.68	766.56	0.04
Hempstead Lake	15402.3*	Max WS	5639.09	26.15	41.92		41.93	0.000036	0.89	7278.47	755.31	0.04
Hempstead Lake	15382.1*	Max WS	5639.02	26.10	41.92		41.93	0.000033	0.88	7280.43	739.47	0.04
Hempstead Lake	15361.8*	Max WS	5638.94	26.05	41.92		41.93	0.000029	0.87	7281.95	730.72	0.04
Hempstead Lake	15341.6*	Max WS	5638.86	26.00	41.92		41.93	0.000027	0.87	7281.56	728.15	0.04
Hempstead Lake	15321.4*	Max WS	5625.82	25.96	41.92		41.93	0.000024	0.87	7278.36	728.38	0.04
Hempstead Lake	15301.1*	Max WS	5625.81	25.91	41.92		41.93	0.000021	0.87	7271.61	729.23	0.04
Hempstead Lake	15280.9*	Max WS	5625.80	25.86	41.92		41.93	0.000019	0.88	7262.25	729.70	0.04
Hempstead Lake	15260.7*	Max WS	5625.79	25.81	41.92		41.93	0.000017	0.88	7249.72	729.61	0.04
Hempstead Lake	15240.4*	Max WS	5625.77	25.77	41.92		41.93	0.000015	0.88	7234.26	728.96	0.04
Hempstead Lake	15220.2*	Max WS	5625.75	25.72	41.92		41.93	0.000013	0.88	7215.71	727.55	0.04
Hempstead Lake	15200.02	Max WS	5625.73	25.67	41.92		41.93	0.000011	0.88	7196.12	725.25	0.04
Hempstead Lake	15180.7*	Max WS	5625.70	25.24	41.92		41.93	0.000012	0.84	7603.09	756.37	0.04
Hempstead Lake	15161.4*	Max WS	5625.67	24.82	41.92		41.93	0.000013	0.79	8033.22	785.16	0.04
Hempstead Lake	15142.1*	Max WS	5625.65	24.39	41.92		41.93	0.000014	0.75	8484.97	810.28	0.04
Hempstead Lake	15122.8*	Max WS	5625.62	23.96	41.92		41.93	0.000014	0.71	8953.62	833.67	0.03
Hempstead Lake	15103.5*	Max WS	5625.60	23.53	41.92		41.93	0.000014	0.67	9439.86	856.89	0.03
Hempstead Lake	15084.2*	Max WS	5625.58	23.11	41.92		41.93	0.000015	0.63	9943.98	879.50	0.03
Hempstead Lake	15064.9*	Max WS	5625.56	22.68	41.92		41.92	0.000014	0.60	10463.81	900.75	0.03
Hempstead Lake	15045.6*	Max WS	5625.53	22.25	41.92		41.92	0.000014	0.57	10999.72	923.01	0.02
Hempstead Lake	15026.4*	Max WS	5625.50	21.82	41.92		41.92	0.000014	0.54	11552.06	943.88	0.02
Hempstead Lake	15007.1*	Max WS	5625.47	21.40	41.92		41.92	0.000014	0.51	12118.09	963.54	0.02
Hempstead Lake	14987.82	Max WS	5625.44	20.97	41.92		41.92	0.000002	0.50	12700.04	982.47	0.02
Hempstead Lake	14966.6*	Max WS	5662.44	20.84	41.92		41.92	0.000013	0.48	13022.43	1002.83	0.02
Hempstead Lake	14945.4*	Max WS	5662.39	20.72	41.92		41.92	0.000012	0.47	13349.75	1022.99	0.02
Hempstead Lake	14924.3*	Max WS	5662.35	20.59	41.92		41.92	0.000011	0.45	13687.41	1043.11	0.02
Hempstead Lake	14903.1*	Max WS	5662.29	20.46	41.92		41.92	0.000011	0.44	14031.26	1062.76	0.02
Hempstead Lake	14882.*	Max WS	5662.22	20.34	41.92		41.92	0.000010	0.43	14384.55	1082.23	0.02
Hempstead Lake	14860.8*	Max WS	5662.16	20.21	41.92		41.92	0.000009	0.42	14745.43	1100.88	0.02
Hempstead Lake	14839.6*	Max WS	5662.08	20.08	41.92		41.92	0.000009	0.40	15189.37	1341.60	0.02
Hempstead Lake	14818.5*	Max WS	5661.98	19.96	41.92		41.92	0.000008	0.39	15802.20	1445.29	0.02
Hempstead Lake	14797.35	Max WS	5661.87	19.83	41.92		41.92	0.000001	0.40	16477.77	1508.15	0.02
Hempstead Lake	14777.4*	Max WS	5661.75	19.81	41.92		41.92	0.000007	0.37	16641.94	1506.50	0.02
Hempstead Lake	14757.4*	Max WS	5661.64	19.80	41.92		41.92	0.000006	0.37	16818.85	1507.27	0.02
Hempstead Lake	14737.5*	Max WS	5661.52	19.78	41.92		41.92	0.000005	0.36	17009.20	1512.06	0.01
Hempstead Lake	14717.5*	Max WS	5661.39	19.76	41.92		41.92	0.000005	0.36	17217.37	1514.81	0.01
Hempstead Lake	14697.6*	Max WS	5661.27	19.74	41.92		41.92	0.000004	0.35	17457.85	1451.62	0.01
Hempstead Lake	14677.6*	Max WS	5661.15	19.73	41.92		41.92	0.000004	0.34	17747.50	1396.15	0.01
Hempstead Lake	14657.7*	Max WS	5661.02	19.71	41.92		41.92	0.000004	0.34	18083.48	1388.78	0.01
Hempstead Lake	14637.7*	Max WS	5660.90	19.69	41.92		41.92	0.000003	0.33	18428.44	1427.58	0.01
Hempstead Lake	14617.8*	Max WS	5660.77	19.67	41.92		41.92	0.000003	0.33	18783.20	1467.30	0.01
Hempstead Lake	14597.8*	Max WS	5660.63	19.65	41.92		41.92	0.000003	0.32	19148.00	1495.68	0.01
Hempstead Lake	14577.9*	Max WS	5660.48	19.64	41.92		41.92	0.000002	0.32	19521.40	1522.50	0.01
Hempstead Lake	14557.9*	Max WS	5660.32	19.62	41.92		41.92	0.000002	0.31	19908.69	1553.37	0.01
Hempstead Lake	14538.0*	Max WS	5660.16	19.60	41.92		41.92	0.000002	0.31	20309.48	1597.15	0.01
Hempstead Lake	14518.0*	Max WS	5660.00	19.58	41.92		41.92	0.000001	0.30	20754.25	1695.48	0.01
Hempstead Lake	14498.1*	Max WS	5659.82	19.57	41.92		41.92	0.000001	0.30	21231.64	1720.68	0.01
Hempstead Lake	14478.1*	Max WS	5659.64	19.55	41.92		41.92	0.000001	0.29	21719.78	1742.57	0.01
Hempstead Lake	14458.2*	Max WS	5651.49	19.53	41.92		41.92	0.000001	0.29	22214.04	1762.68	0.01
Hempstead Lake	14438.2*	Max WS	5659.27	19.51	41.92		41.92	0.000001	0.28	22710.85	1778.19	0.01
Hempstead Lake	14418.3*	Max WS	5651.48	19.50	41.92		41.92	0.000001	0.28	23205.91	1789.56	0.01
Hempstead Lake	14398.37	Max WS	5651.46	19.48	41.92		41.92	0.000001	0.28	23703.88	1799.59	0.01
Hempstead Lake	14378.3*	Max WS	5651.44	19.48	41.92		41.92	0.000001	0.28	23446.90	1778.62	0.01
Hempstead Lake	14358.3*	Max WS	5651.42	19.49	41.92		41.92	0.000001	0.29	23185.05	1758.00	0.01
Hempstead Lake	14338.2*	Max WS	5651.40	19.49	41.92		41.92	0.000001	0.29	22928.38	1737.81	0.01
Hempstead Lake	14318.2*	Max WS	5651.38	19.49	41.92		41.92	0.000001	0.30	22669.34	1718.17	0.01
Hempstead Lake	14298.2*	Max WS	5651.35	19.49	41.92		41.92	0.000001	0.30	22410.33	1698.97	0.01
Hempstead Lake	14278.1*	Max WS	5651.32	19.50	41.92		41.92	0.000001	0.31	22153.55	1680.53	0.01
Hempstead Lake	14258.1*	Max WS	5651.29	19.50	41.92		41.92	0.000001	0.31	21897.92	1662.98	0.01
Hempstead Lake	14238.1*	Max WS	5651.27	19.50	41.92		41.92	0.000001	0.32	21644.28	1647.05	0.01
Hempstead Lake	14218.0*	Max WS	5651.24	19.50	41.92		41.92	0.000001	0.32	21392.28	1633.62	0.01
Hempstead Lake	14198.0*	Max WS	5651.20	19.51	41.92		41.92	0.000001	0.33	21146.25	1621.87	0.01
Hempstead Lake	14178.0*	Max WS	5651.17	19.51	41.92		41.92	0.000001	0.33	20917.18	1704.92	0.01
Hempstead Lake	14157.9*	Max WS	5651.14	19.51	41.92		41.92	0.000001	0.34	20737.37	1721.72	0.01
Hempstead Lake	14137.9*	Max WS	5651.10	19.51	41.92		41.92	0.000001	0.35	20569.89	1726.96	0.01
Hempstead Lake	14117.9*	Max WS	5651.07	19.52	41.92		41.92	0.000001	0.35	20409.79	1734.07	0.01
Hempstead Lake	14097.8*	Max WS	5651.03	19.52	41.92		41.92	0.000001	0.36	20259.51	1753.79	0.01
Hempstead Lake	14077.8*	Max WS	5651.00	19.52	41.92		41.92	0.000001	0.37	20118.14	1757.71	0.01
Hempstead Lake	14057.8*	Max WS	5650.96	19.52	41.92		41.92	0.000001	0.37	19969.38	1719.96	0.01
Hempstead Lake	14037.7*	Max WS	5650.92	19.53	41.92		41.92	0.000001	0.38	19810.04	1681.80	0.02
Hempstead Lake	14017.75	Max WS	5650.89	19.53	41.92		41.92	0.000001	0.38	19634.97	1643.37	0.02
Hempstead Lake	13998.2*	Max WS	5650.86	19.61	41.92		41.92	0.000002	0.37	19501.54	1634.19	0.01
Hempstead Lake	13978.6*	Max WS	5650.84	19.69	41.92		41.92	0.000002	0.36	19364.79	1624.98	0.01
Hempstead Lake	13959.1*	Max WS	5650.82	19.77	41.92		41.92	0.000002	0.36	19222.57	1615.78	0.01
Hempstead Lake	13939.6*	Max WS	5650.80	19.85	41.92		41.92	0.000003	0.36	19075.68	1606.57	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	5650.77	19.94	41.92		41.92	0.000003	0.36	18925.52	1595.34	0.01
Hempstead Lake	13900.5*	Max WS	5650.75	20.02	41.92		41.92	0.000003	0.36	18771.72	1583.15	0.01
Hempstead Lake	13881.*	Max WS	5650.74	20.10	41.92		41.92	0.000003	0.36	18615.81	1571.48	0.02
Hempstead Lake	13861.4*	Max WS	5654.21	20.18	41.92		41.92	0.000003	0.36	18457.62	1560.34	0.02
Hempstead Lake	13841.9*	Max WS	5650.72	20.26	41.92		41.92	0.000003	0.36	18295.30	1546.68	0.02
Hempstead Lake	13822.3*	Max WS	5653.99	20.34	41.92		41.92	0.000003	0.36	18129.26	1534.18	0.02
Hempstead Lake	13802.8*	Max WS	5650.71	20.42	41.92		41.92	0.000003	0.36	17960.47	1523.54	0.02
Hempstead Lake	13783.3*	Max WS	5653.80	20.50	41.92		41.92	0.000003	0.36	17784.47	1514.34	0.02
Hempstead Lake	13763.7*	Max WS	5653.71	20.59	41.92		41.92	0.000003	0.36	17600.85	1506.41	0.02
Hempstead Lake	13744.2*	Max WS	5653.62	20.67	41.92		41.92	0.000003	0.36	17409.12	1499.57	0.02
Hempstead Lake	13724.7*	Max WS	5653.54	20.75	41.92		41.92	0.000003	0.37	17208.84	1493.74	0.02
Hempstead Lake	13705.1*	Max WS	5653.47	20.83	41.92		41.92	0.000003	0.37	16995.54	1488.60	0.02
Hempstead Lake	13685.63	Max WS	5653.40	20.91	41.92		41.92	0.000002	0.38	16773.26	1484.30	0.02
Hempstead Lake	13666.4*	Max WS	5653.33	21.07	41.92		41.92	0.000003	0.36	17265.40	1481.48	0.02
Hempstead Lake	13647.1*	Max WS	5653.28	21.23	41.92		41.92	0.000003	0.35	17684.15	1478.67	0.02
Hempstead Lake	13627.9*	Max WS	5653.23	21.39	41.92		41.92	0.000003	0.35	18028.29	1475.87	0.02
Hempstead Lake	13608.7*	Max WS	5653.19	21.56	41.92		41.92	0.000003	0.34	18296.09	1473.08	0.02
Hempstead Lake	13589.5*	Max WS	5653.15	21.72	41.92		41.92	0.000003	0.34	18491.90	1470.28	0.02
Hempstead Lake	13570.2*	Max WS	5653.12	21.88	41.92		41.92	0.000002	0.34	18612.56	1467.39	0.02
Hempstead Lake	13551.0*	Max WS	5653.09	22.04	41.92		41.92	0.000002	0.33	18659.63	1464.46	0.02
Hempstead Lake	13531.8*	Max WS	5653.08	22.20	41.92		41.92	0.000002	0.34	18631.01	1461.61	0.02
Hempstead Lake	13512.6*	Max WS	5653.07	22.36	41.92		41.92	0.000002	0.34	18527.90	1458.80	0.02
Hempstead Lake	13493.3*	Max WS	5655.47	22.53	41.92		41.92	0.000002	0.34	18351.45	1456.10	0.02
Hempstead Lake	13474.1*	Max WS	5655.40	22.69	41.92		41.92	0.000002	0.35	18099.58	1453.32	0.02
Hempstead Lake	13454.9*	Max WS	5655.34	22.85	41.92		41.92	0.000002	0.36	17774.57	1450.74	0.02
Hempstead Lake	13435.72	Max WS	5655.28	23.01	41.92		41.92	0.000002	0.35	17373.61	1448.39	0.02
Hempstead Lake	13419.3*	Max WS	5655.24	23.00	41.92		41.92	0.000002	0.37	17402.15	1452.30	0.02
Hempstead Lake	13403.0*	Max WS	5655.20	23.00	41.92		41.92	0.000002	0.37	17444.71	1456.20	0.02
Hempstead Lake	13386.6*	Max WS	5655.16	22.99	41.92		41.92	0.000002	0.36	17499.15	1460.08	0.02
Hempstead Lake	13370.3*	Max WS	5655.12	22.98	41.92		41.92	0.000002	0.36	17566.05	1463.91	0.02
Hempstead Lake	13354.*	Max WS	5655.09	22.98	41.92		41.92	0.000002	0.36	17644.84	1467.71	0.02
Hempstead Lake	13337.6*	Max WS	5655.07	22.97	41.92		41.92	0.000002	0.36	17737.32	1471.49	0.02
Hempstead Lake	13321.3*	Max WS	5655.05	22.96	41.92		41.92	0.000002	0.35	17842.03	1475.18	0.02
Hempstead Lake	13304.9*	Max WS	5655.03	22.95	41.92		41.92	0.000002	0.35	17958.39	1478.89	0.02
Hempstead Lake	13288.6*	Max WS	5655.01	22.95	41.92		41.92	0.000002	0.35	18088.25	1482.55	0.02
Hempstead Lake	13272.29	Max WS	5657.21	22.94	41.92		41.92	0.000002	0.35	18229.70	1486.18	0.02
Hempstead Lake	13255.0*	Max WS	5654.99	22.90	41.92		41.92	0.000001	0.34	18499.77	1488.07	0.02
Hempstead Lake	13237.8*	Max WS	5657.05	22.87	41.92		41.92	0.000002	0.34	18760.04	1489.89	0.02
Hempstead Lake	13220.5*	Max WS	5656.98	22.83	41.92		41.92	0.000002	0.33	19013.23	1491.64	0.02
Hempstead Lake	13203.3*	Max WS	5656.91	22.80	41.92		41.92	0.000002	0.33	19255.74	1493.31	0.01
Hempstead Lake	13186.0*	Max WS	5656.83	22.76	41.92		41.92	0.000002	0.32	19489.46	1494.91	0.01
Hempstead Lake	13168.8*	Max WS	5656.76	22.72	41.92		41.92	0.000002	0.32	19714.19	1496.38	0.01
Hempstead Lake	13151.6*	Max WS	5656.70	22.69	41.92		41.92	0.000002	0.31	19929.78	1497.76	0.01
Hempstead Lake	13134.3*	Max WS	5656.64	22.65	41.92		41.92	0.000002	0.31	20136.70	1499.02	0.01
Hempstead Lake	13117.1*	Max WS	5656.58	22.62	41.92		41.92	0.000002	0.31	20335.22	1500.08	0.01
Hempstead Lake	13099.8*	Max WS	5656.51	22.58	41.92		41.92	0.000002	0.30	20524.52	1501.05	0.01
Hempstead Lake	13082.6*	Max WS	5656.45	22.55	41.92		41.92	0.000002	0.30	20703.96	1501.83	0.01
Hempstead Lake	13065.3*	Max WS	5656.39	22.51	41.92		41.92	0.000002	0.30	20876.31	1502.40	0.01
Hempstead Lake	13048.1*	Max WS	5656.34	22.47	41.92		41.92	0.000002	0.29	21039.41	1502.73	0.01
Hempstead Lake	13030.9*	Max WS	5656.28	22.44	41.92		41.92	0.000002	0.29	21192.08	1502.76	0.01
Hempstead Lake	13013.6*	Max WS	5656.23	22.40	41.92		41.92	0.000002	0.29	21337.35	1502.46	0.01
Hempstead Lake	12996.4*	Max WS	5656.18	22.37	41.92		41.92	0.000002	0.29	21474.79	1501.93	0.01
Hempstead Lake	12979.1*	Max WS	5656.13	22.33	41.92		41.92	0.000002	0.29	21600.91	1501.51	0.01
Hempstead Lake	12961.9*	Max WS	5656.08	22.29	41.92		41.92	0.000001	0.28	21722.05	1500.92	0.01
Hempstead Lake	12944.7*	Max WS	5656.03	22.26	41.92		41.92	0.000001	0.28	21832.21	1500.11	0.01
Hempstead Lake	12927.4*	Max WS	5655.98	22.22	41.92		41.92	0.000001	0.28	21935.18	1499.02	0.01
Hempstead Lake	12910.2*	Max WS	5655.94	22.19	41.92		41.92	0.000001	0.28	22030.05	1497.44	0.01
Hempstead Lake	12892.97	Max WS	5655.90	22.15	41.92		41.92	0.000001	0.28	22116.08	1495.54	0.01
Hempstead Lake	12881.0*	Max WS	6619.89	22.12	41.92		41.92	0.000001	0.33	22104.03	1493.51	0.01
Hempstead Lake	12869.1*	Max WS	6619.85	22.09	41.92		41.92	0.000001	0.33	22093.89	1491.27	0.01
Hempstead Lake	12857.1*	Max WS	6619.81	22.06	41.92		41.92	0.000001	0.33	22082.85	1488.55	0.01
Hempstead Lake	12845.2*	Max WS	6619.78	22.03	41.92		41.92	0.000001	0.33	22072.32	1485.63	0.01
Hempstead Lake	12833.3*	Max WS	6619.74	22.00	41.92		41.92	0.000001	0.33	22061.09	1482.33	0.01
Hempstead Lake	12821.4*	Max WS	6619.71	21.97	41.92		41.92	0.000001	0.33	22053.18	1478.47	0.01
Hempstead Lake	12809.4*	Max WS	6619.67	21.94	41.92		41.92	0.000001	0.33	22044.83	1474.25	0.01
Hempstead Lake	12797.5*	Max WS	6619.64	21.92	41.92		41.92	0.000001	0.33	22036.18	1469.48	0.01
Hempstead Lake	12785.6*	Max WS	6619.61	21.89	41.92		41.92	0.000001	0.33	22029.88	1464.45	0.01
Hempstead Lake	12773.7*	Max WS	6619.57	21.86	41.92		41.92	0.000001	0.33	22024.12	1459.83	0.01
Hempstead Lake	12761.7*	Max WS	6619.54	21.83	41.92		41.92	0.000001	0.33	22018.85	1455.28	0.01
Hempstead Lake	12749.8*	Max WS	6619.51	21.80	41.92		41.92	0.000001	0.33	22015.52	1450.43	0.01
Hempstead Lake	12737.9*	Max WS	6619.48	21.77	41.92		41.92	0.000001	0.33	22012.95	1445.49	0.01
Hempstead Lake	12726.0*	Max WS	6619.45	21.74	41.92		41.92	0.000001	0.33	22010.62	1440.19	0.01
Hempstead Lake	12714.0*	Max WS	6619.42	21.71	41.92		41.92	0.000001	0.33	22008.16	1434.91	0.01
Hempstead Lake	12702.1*	Max WS	6619.39	21.68	41.92		41.92	0.000001	0.33	22009.81	1431.18	0.01
Hempstead Lake	12690.2*	Max WS	6619.35	21.65	41.92		41.92	0.000001	0.33	22010.94	1427.34	0.01
Hempstead Lake	12678.3*	Max WS	6619.32	21.62	41.92		41.92	0.000001	0.33	22013.06	1423.68	0.01
Hempstead Lake	12666.3*	Max WS	6619.29	21.59	41.92		41.92	0.000001	0.33	22015.36	1419.88	0.01
Hempstead Lake	12654.4*	Max WS	6619.26	21.56	41.92		41.92	0.000001	0.33	22018.51	1416.20	0.01
Hempstead Lake	12642.5*	Max WS	6619.23	21.53	41.92		41.92	0.000001	0.33	22023.46	1412.99	0.01
Hempstead Lake	12630.6*	Max WS	6619.20	21.50	41.92		41.92	0.000001	0.33	22028.35	1409.55	0.01
Hempstead Lake	12618.6*	Max WS	6619.17	21.47	41.92		41.92	0.000001	0.33	22034.71	1407.33	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	6619.14	21.45	41.92		41.92	0.000001	0.33	22040.60	1405.24	0.01
Hempstead Lake	12594.8*	Max WS	6619.11	21.42	41.92		41.92	0.000001	0.33	22048.47	1403.10	0.01
Hempstead Lake	12582.9*	Max WS	6619.08	21.39	41.92		41.92	0.000001	0.33	22055.84	1400.97	0.01
Hempstead Lake	12570.9*	Max WS	6619.05	21.36	41.92		41.92	0.000001	0.33	22063.16	1398.93	0.01
Hempstead Lake	12559.0*	Max WS	6619.02	21.33	41.92		41.92	0.000001	0.33	22071.44	1396.85	0.01
Hempstead Lake	12547.1*	Max WS	6619.00	21.30	41.92		41.92	0.000001	0.33	22081.12	1394.77	0.01
Hempstead Lake	12535.2*	Max WS	6618.97	21.27	41.92		41.92	0.000001	0.33	22091.66	1392.78	0.01
Hempstead Lake	12523.27	Max WS	6618.95	21.24	41.92		41.92	0.000001	0.33	22100.92	1390.72	0.01
Hempstead Lake	12515.8*	Max WS	7064.69	21.24	41.92		41.92	0.000001	0.35	21930.17	1377.49	0.01
Hempstead Lake	12508.3*	Max WS	7064.67	21.24	41.92		41.92	0.000001	0.36	21760.80	1364.19	0.01
Hempstead Lake	12500.9*	Max WS	7064.66	21.23	41.92		41.92	0.000002	0.36	21592.04	1350.91	0.01
Hempstead Lake	12493.4*	Max WS	7064.64	21.23	41.92		41.92	0.000002	0.36	21423.50	1337.54	0.01
Hempstead Lake	12486.0*	Max WS	7064.62	21.23	41.92		41.92	0.000002	0.36	21257.07	1324.11	0.01
Hempstead Lake	12478.5*	Max WS	7064.61	21.23	41.92		41.92	0.000002	0.36	21090.28	1310.63	0.01
Hempstead Lake	12471.1*	Max WS	7064.60	21.23	41.92		41.92	0.000002	0.36	20924.61	1297.12	0.01
Hempstead Lake	12463.7*	Max WS	7064.58	21.23	41.92		41.92	0.000003	0.36	20759.77	1283.50	0.01
Hempstead Lake	12456.2*	Max WS	7064.57	21.22	41.92		41.92	0.000003	0.36	20596.21	1269.82	0.01
Hempstead Lake	12448.8*	Max WS	7064.56	21.22	41.92		41.92	0.000003	0.37	20432.37	1255.93	0.01
Hempstead Lake	12441.3*	Max WS	7064.54	21.22	41.92		41.92	0.000003	0.37	20269.39	1241.99	0.01
Hempstead Lake	12433.9*	Max WS	7064.53	21.22	41.92		41.92	0.000004	0.37	20107.47	1227.86	0.01
Hempstead Lake	12426.4*	Max WS	7064.52	21.22	41.92		41.92	0.000004	0.37	19948.28	1213.54	0.01
Hempstead Lake	12419.0*	Max WS	7064.50	21.21	41.92		41.92	0.000004	0.37	19787.84	1198.81	0.01
Hempstead Lake	12411.5*	Max WS	7064.49	21.21	41.92		41.92	0.000005	0.37	19629.75	1182.73	0.02
Hempstead Lake	12404.1*	Max WS	7064.48	21.21	41.92		41.92	0.000005	0.38	19472.64	1168.38	0.02
Hempstead Lake	12396.6*	Max WS	7064.47	21.21	41.92		41.92	0.000005	0.38	19316.35	1154.15	0.02
Hempstead Lake	12389.2*	Max WS	7064.45	21.21	41.92		41.92	0.000006	0.38	19161.91	1139.57	0.02
Hempstead Lake	12381.8*	Max WS	7064.44	21.21	41.92		41.92	0.000006	0.38	19007.99	1124.36	0.02
Hempstead Lake	12374.3*	Max WS	7064.43	21.20	41.92		41.92	0.000007	0.38	18855.30	1108.86	0.02
Hempstead Lake	12366.9*	Max WS	7064.42	21.20	41.92		41.92	0.000007	0.38	18704.65	1092.85	0.02
Hempstead Lake	12359.46	Max WS	7064.40	21.20	41.92		41.92	0.000001	0.40	18555.36	1076.36	0.02
Hempstead Lake	12350.7*	Max WS	7356.31	21.19	41.92		41.92	0.000008	0.41	18239.63	1063.17	0.02
Hempstead Lake	12342.0*	Max WS	7356.30	21.17	41.92		41.92	0.000008	0.42	17927.34	1050.01	0.02
Hempstead Lake	12333.3*	Max WS	7356.28	21.16	41.92		41.92	0.000009	0.42	17614.24	1036.78	0.02
Hempstead Lake	12324.7*	Max WS	7356.27	21.14	41.92		41.92	0.000009	0.43	17303.62	1023.48	0.02
Hempstead Lake	12316.0*	Max WS	7356.25	21.13	41.92		41.92	0.000009	0.44	16996.53	1010.30	0.02
Hempstead Lake	12307.3*	Max WS	7356.24	21.11	41.91		41.92	0.000009	0.45	16690.78	996.95	0.02
Hempstead Lake	12298.6*	Max WS	7356.22	21.10	41.91		41.92	0.000010	0.46	16386.34	983.68	0.02
Hempstead Lake	12289.9*	Max WS	7356.21	21.09	41.91		41.92	0.000010	0.47	16084.52	970.44	0.02
Hempstead Lake	12281.2*	Max WS	7356.19	21.07	41.91		41.92	0.000010	0.48	15785.22	957.02	0.02
Hempstead Lake	12272.5*	Max WS	7356.18	21.06	41.91		41.92	0.000010	0.49	15486.70	943.31	0.02
Hempstead Lake	12263.8*	Max WS	7356.16	21.04	41.91		41.92	0.000011	0.50	15190.06	929.48	0.02
Hempstead Lake	12255.1*	Max WS	7356.15	21.03	41.91		41.92	0.000011	0.51	14895.30	915.68	0.02
Hempstead Lake	12246.4*	Max WS	7356.13	21.01	41.91		41.92	0.000011	0.52	14603.84	906.37	0.02
Hempstead Lake	12237.7*	Max WS	7356.12	21.00	41.91		41.92	0.000012	0.53	14314.24	894.93	0.02
Hempstead Lake	12229.1*	Max WS	7356.10	20.99	41.91		41.92	0.000012	0.54	14026.56	883.37	0.02
Hempstead Lake	12220.4*	Max WS	7356.09	20.97	41.91		41.92	0.000012	0.55	13740.18	871.61	0.02
Hempstead Lake	12211.7*	Max WS	7356.08	20.96	41.91		41.92	0.000013	0.56	13457.12	859.77	0.02
Hempstead Lake	12203.0*	Max WS	7356.07	20.94	41.91		41.92	0.000013	0.58	13175.35	847.67	0.02
Hempstead Lake	12194.3*	Max WS	7356.05	20.93	41.91		41.92	0.000014	0.59	12895.77	835.41	0.02
Hempstead Lake	12185.6*	Max WS	7356.04	20.91	41.91		41.92	0.000014	0.60	12618.75	823.15	0.03
Hempstead Lake	12176.9*	Max WS	7356.02	20.90	41.91		41.92	0.000015	0.62	12343.04	810.58	0.03
Hempstead Lake	12168.2*	Max WS	7356.01	20.89	41.91		41.92	0.000015	0.63	12069.53	798.02	0.03
Hempstead Lake	12159.5*	Max WS	7356.00	20.87	41.91		41.92	0.000015	0.65	11798.08	785.16	0.03
Hempstead Lake	12150.8*	Max WS	7355.98	20.86	41.91		41.92	0.000016	0.66	11528.00	772.13	0.03
Hempstead Lake	12142.1*	Max WS	7355.97	20.84	41.91		41.92	0.000014	0.68	11260.08	759.16	0.03
Hempstead Lake	12133.5*	Max WS	7355.96	20.83	41.91		41.92	0.000014	0.70	10994.39	745.85	0.03
Hempstead Lake	12124.8*	Max WS	7355.95	20.81	41.91		41.92	0.000015	0.72	10730.57	732.74	0.03
Hempstead Lake	12116.1*	Max WS	7355.94	20.80	41.91		41.92	0.000015	0.74	10467.83	719.36	0.03
Hempstead Lake	12107.4*	Max WS	7355.93	20.79	41.91		41.92	0.000016	0.76	10206.95	706.09	0.03
Hempstead Lake	12098.7*	Max WS	7355.92	20.77	41.91		41.92	0.000016	0.78	9948.49	692.40	0.03
Hempstead Lake	12090.0*	Max WS	7355.90	20.76	41.91		41.92	0.000016	0.80	9691.42	678.54	0.03
Hempstead Lake	12081.3*	Max WS	7355.89	20.74	41.91		41.92	0.000017	0.82	9436.54	664.77	0.04
Hempstead Lake	12072.6*	Max WS	7355.88	20.73	41.90		41.92	0.000017	0.85	9182.19	650.71	0.04
Hempstead Lake	12063.9*	Max WS	7355.87	20.71	41.90		41.92	0.000018	0.87	8930.25	636.70	0.04
Hempstead Lake	12055.2*	Max WS	7355.86	20.70	41.90		41.91	0.000018	0.90	8680.56	622.42	0.04
Hempstead Lake	12046.5*	Max WS	7355.85	20.69	41.90		41.91	0.000018	0.93	8431.28	608.06	0.04
Hempstead Lake	12037.9*	Max WS	7355.84	20.67	41.90		41.91	0.000019	0.96	8185.19	593.67	0.04
Hempstead Lake	12029.2*	Max WS	7355.83	20.66	41.90		41.91	0.000019	0.99	7939.25	578.97	0.04
Hempstead Lake	12020.5*	Max WS	7355.82	20.64	41.90		41.91	0.000020	1.03	7695.56	564.32	0.05
Hempstead Lake	12011.8*	Max WS	7355.81	20.63	41.90		41.91	0.000020	1.06	7453.33	549.50	0.05
Hempstead Lake	12003.1*	Max WS	7355.81	20.61	41.90		41.91	0.000021	1.10	7212.34	534.58	0.05
Hempstead Lake	11994.45	Max WS	7355.80	20.60	41.90		41.91	0.000057	1.12	6973.47	519.56	0.05
Hempstead Lake	11989.45	Max WS	7407.70	19.90	41.89		41.91	0.000066	1.18	6655.77	518.94	0.05
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	6398.26	19.90	38.58		40.51	0.001472	11.13	574.79	463.00	0.49
Hempstead Lake	11964.45	Max WS	7407.17	20.15	39.43		39.47	0.000139	1.52	5158.34	476.32	0.08
Hempstead Lake	11954.6*	Max WS	7407.17	20.12	39.43		39.47	0.000053	1.58	5092.61	483.59	0.08
Hempstead Lake	11944.8*	Max WS	7407.16	20.08	39.43		39.47	0.000057	1.60	5030.63	491.65	0.08
Hempstead Lake	11934.9*	Max WS	7407.16	20.05	39.43		39.47	0.000061	1.63	4972.22	500.92	0.08
Hempstead Lake	11925.1*	Max WS	7407.39	20.01	39.43		39.47	0.000066	1.65	4919.16	512.14	0.09
Hempstead Lake	11915.3*	Max WS	7407.15	19.98	39.43		39.47	0.000107	1.66	4871.91	524.65	0.09

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	7407.39	19.94	39.42		39.47	0.000111	1.69	4830.48	536.60	0.09
Hempstead Lake	11895.6*	Max WS	7407.38	19.91	39.42		39.46	0.000116	1.71	4794.90	548.82	0.09
Hempstead Lake	11885.8*	Max WS	7407.38	19.87	39.42		39.46	0.000120	1.74	4765.95	560.83	0.09
Hempstead Lake	11876.0*	Max WS	7407.12	19.84	39.42		39.46	0.000125	1.76	4744.63	573.78	0.10
Hempstead Lake	11866.2*	Max WS	7407.12	19.80	39.41		39.46	0.000130	1.78	4729.76	586.45	0.10
Hempstead Lake	11856.4*	Max WS	7407.11	19.77	39.41		39.46	0.000134	1.80	4723.17	599.98	0.10
Hempstead Lake	11846.5*	Max WS	7407.10	19.73	39.41		39.46	0.000139	1.82	4724.03	606.16	0.10
Hempstead Lake	11836.7*	Max WS	7407.10	19.70	39.41		39.46	0.000143	1.84	4726.05	607.82	0.10
Hempstead Lake	11826.9*	Max WS	7407.09	19.66	39.41		39.46	0.000114	1.87	4728.99	609.47	0.11
Hempstead Lake	11817.1*	Max WS	7407.38	19.63	39.41		39.46	0.000119	1.89	4733.13	611.13	0.11
Hempstead Lake	11807.2*	Max WS	7407.07	19.59	39.40		39.45	0.000123	1.90	4739.70	612.78	0.11
Hempstead Lake	11797.46	Max WS	7407.07	19.56	39.40		39.45	0.000084	1.92	4746.15	614.44	0.11
Hempstead Lake	11792.46	Max WS	7407.06	19.56	39.40		39.45	0.000084	1.95	4706.63	614.44	0.11
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	5819.43	19.54	37.71		37.82	0.000539	2.78	2333.47	614.44	0.24
Hempstead Lake	11627.46	Max WS	5817.97	19.54	37.71		37.82	0.000453	2.66	2432.33	614.44	0.23
Hempstead Lake	11623.2*	Max WS	5816.67	19.43	37.73		37.81	0.001228	2.40	2610.01	645.38	0.20
Hempstead Lake	11619.1*	Max WS	5815.28	19.31	37.73		37.81	0.001058	2.27	2778.76	676.31	0.19
Hempstead Lake	11614.94	Max WS	5813.81	19.20	37.73		37.80	0.000286	2.28	2939.36	707.25	0.18
Hempstead Lake	11612.94	Max WS	5813.12	19.20	37.73		37.80	0.000270	2.24	2979.91	707.25	0.18
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	1481.39	19.20	35.58		35.71	0.000095	2.88	513.67	682.05	0.13
Hempstead Lake	11598.94	Max WS	1508.33	19.20	35.67		35.68	0.000041	0.90	1819.21	684.78	0.09
Hempstead Lake	11573.9*	Max WS	1510.06	19.18	35.67		35.68	0.000015	0.66	2504.50	757.51	0.06
Hempstead Lake	11548.9*	Max WS	1510.05	19.15	35.67		35.68	0.000010	0.52	3236.16	832.33	0.04
Hempstead Lake	11523.9*	Max WS	1511.70	19.12	35.68		35.68	0.000007	0.43	4014.13	908.90	0.03
Hempstead Lake	11498.9*	Max WS	1511.67	19.10	35.68		35.68	0.000005	0.36	4838.31	986.56	0.02
Hempstead Lake	11473.9*	Max WS	1510.04	19.08	35.68		35.68	0.000004	0.30	5709.59	1064.81	0.02
Hempstead Lake	11448.9*	Max WS	1511.60	19.05	35.68		35.68	0.000003	0.26	6625.69	1136.95	0.02
Hempstead Lake	11423.9*	Max WS	1510.04	19.02	35.68		35.68	0.000003	0.23	7590.15	1207.21	0.01
Hempstead Lake	11398.9*	Max WS	1511.53	19.00	35.68		35.68	0.000002	0.20	8602.29	1278.55	0.01
Hempstead Lake	11373.9*	Max WS	1511.49	18.98	35.68		35.68	0.000002	0.17	9661.57	1349.39	0.01
Hempstead Lake	11349.*	Max WS	1510.06	18.95	35.68		35.68	0.000001	0.15	10767.31	1420.88	0.01
Hempstead Lake	11324.*	Max WS	1511.42	18.92	35.68		35.68	0.000001	0.13	11925.18	1443.75	0.01
Hempstead Lake	11299.0*	Max WS	1511.38	18.90	35.68		35.68	0.000001	0.11	13130.28	1503.87	0.01
Hempstead Lake	11274.0*	Max WS	1511.34	18.88	35.68		35.68	0.000001	0.10	14386.74	1564.21	0.00
Hempstead Lake	11249.0*	Max WS	1511.30	18.85	35.68		35.68	0.000000	0.09	15690.66	1630.90	0.00
Hempstead Lake	11224.0*	Max WS	1511.25	18.83	35.68		35.68	0.000000	0.08	17044.57	1700.47	0.00
Hempstead Lake	11199.0*	Max WS	1511.21	18.80	35.68		35.68	0.000000	0.07	18443.16	1770.03	0.00
Hempstead Lake	11174.0*	Max WS	1511.16	18.77	35.68		35.68	0.000000	0.06	19890.91	1839.82	0.00
Hempstead Lake	11149.0*	Max WS	1511.10	18.75	35.68		35.68	0.000000	0.05	21386.67	1909.50	0.00
Hempstead Lake	11124.0*	Max WS	1511.05	18.73	35.68		35.68	0.000000	0.05	22930.07	1979.34	0.00
Hempstead Lake	11099.0*	Max WS	1510.98	18.70	35.68		35.68	0.000000	0.04	24519.42	2049.40	0.00
Hempstead Lake	11074.0*	Max WS	1510.92	18.67	35.68		35.68	0.000000	0.03	26159.97	2119.33	0.00
Hempstead Lake	11049.07	Max WS	1510.86	18.65	35.68		35.68	0.000000	0.06	27844.80	2189.68	0.00
Hempstead Lake	11038.4*	Max WS	1510.83	18.61	35.68		35.68	0.000000	0.03	27153.21	2164.20	0.00
Hempstead Lake	11027.7*	Max WS	1510.16	18.58	35.68		35.68	0.000000	0.04	26480.46	2138.83	0.00
Hempstead Lake	11017.0*	Max WS	1510.77	18.54	35.68		35.68	0.000000	0.04	25823.13	2114.80	0.00
Hempstead Lake	11006.4*	Max WS	1510.17	18.50	35.68		35.68	0.000000	0.04	25181.83	2091.46	0.00
Hempstead Lake	10995.7*	Max WS	1510.71	18.47	35.68		35.68	0.000000	0.04	24561.29	2068.12	0.00
Hempstead Lake	10985.0*	Max WS	1510.68	18.43	35.68		35.68	0.000000	0.05	23956.69	2043.04	0.00
Hempstead Lake	10974.4*	Max WS	1510.63	18.39	35.68		35.68	0.000000	0.05	23371.63	1954.46	0.00
Hempstead Lake	10963.7*	Max WS	1510.60	18.35	35.68		35.68	0.000000	0.05	22824.63	1819.83	0.00
Hempstead Lake	10953.1*	Max WS	1510.57	18.32	35.68		35.68	0.000000	0.05	22301.99	1800.61	0.00
Hempstead Lake	10942.4*	Max WS	1510.54	18.28	35.68		35.68	0.000000	0.06	21794.23	1781.28	0.00
Hempstead Lake	10931.7*	Max WS	1510.52	18.24	35.68		35.68	0.000000	0.06	21299.76	1761.93	0.00
Hempstead Lake	10921.1*	Max WS	1510.21	18.21	35.68		35.68	0.000000	0.06	20824.43	1742.80	0.00
Hempstead Lake	10910.4*	Max WS	1510.45	18.17	35.68		35.68	0.000000	0.07	20366.40	1723.88	0.00
Hempstead Lake	10899.7*	Max WS	1510.42	18.13	35.68		35.68	0.000000	0.07	19920.60	1704.82	0.00
Hempstead Lake	10889.1*	Max WS	1510.38	18.10	35.68		35.68	0.000000	0.07	19492.42	1686.04	0.00
Hempstead Lake	10878.4*	Max WS	1510.23	18.06	35.68		35.68	0.000000	0.08	19079.06	1667.09	0.00
Hempstead Lake	10867.8*	Max WS	1510.31	18.02	35.68		35.68	0.000000	0.08	18682.30	1648.11	0.00
Hempstead Lake	10857.1*	Max WS	1510.28	17.99	35.68		35.68	0.000000	0.08	18299.97	1629.40	0.00
Hempstead Lake	10846.4*	Max WS	1510.24	17.95	35.68		35.68	0.000000	0.09	17935.74	1610.60	0.00
Hempstead Lake	10835.8*	Max WS	1510.26	17.91	35.68		35.68	0.000000	0.09	17584.65	1591.88	0.00
Hempstead Lake	10825.1*	Max WS	1510.26	17.88	35.68		35.68	0.000000	0.09	17250.42	1573.36	0.00
Hempstead Lake	10814.4*	Max WS	1510.26	17.84	35.68		35.68	0.000000	0.10	16932.67	1554.76	0.00
Hempstead Lake	10803.8*	Max WS	1510.14	17.80	35.68		35.68	0.000000	0.10	16628.99	1536.28	0.00
Hempstead Lake	10793.1*	Max WS	1510.11	17.76	35.68		35.68	0.000000	0.10	16343.03	1517.87	0.00
Hempstead Lake	10782.4*	Max WS	1510.08	17.73	35.68		35.68	0.000000	0.10	16070.54	1499.51	0.00
Hempstead Lake	10771.8*	Max WS	1510.04	17.69	35.68		35.68	0.000000	0.10	15814.81	1481.20	0.01
Hempstead Lake	10761.1*	Max WS	1510.01	17.65	35.68		35.68	0.000000	0.10	15576.12	1463.01	0.01
Hempstead Lake	10750.5*	Max WS	1509.99	17.62	35.68		35.68	0.000000	0.11	15350.28	1444.80	0.01
Hempstead Lake	10739.8*	Max WS	1509.96	17.58	35.68		35.68	0.000000	0.11	15141.04	1426.75	0.01
Hempstead Lake	10729.1*	Max WS	1509.93	17.54	35.68		35.68	0.000000	0.11	14948.03	1408.73	0.01
Hempstead Lake	10718.5*	Max WS	1509.91	17.51	35.68		35.68	0.000000	0.11	14768.34	1390.89	0.01
Hempstead Lake	10707.8*	Max WS	1509.88	17.47	35.68		35.68	0.000000	0.11	14607.19	1373.25	0.01
Hempstead Lake	10697.1*	Max WS	1509.85	17.43	35.68		35.68	0.000000	0.11	14459.14	1354.47	0.01
Hempstead Lake	10686.5*	Max WS	1509.82	17.40	35.68		35.68	0.000000	0.11	14328.52	1336.12	0.01
Hempstead Lake	10675.8*	Max WS	1509.79	17.36	35.68		35.68	0.000000	0.11	14211.96	1318.06	0.01
Hempstead Lake	10665.2*	Max WS	1509.76	17.32	35.68		35.68	0.000000	0.11	14110.97	1300.37	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	1509.73	17.29	35.68		35.68	0.000000	0.11	14024.89	1282.81	0.01
Hempstead Lake	10643.8*	Max WS	1509.71	17.25	35.68		35.68	0.000000	0.11	13954.56	1265.92	0.01
Hempstead Lake	10633.2*	Max WS	1510.31	17.21	35.68		35.68	0.000000	0.11	13899.06	1249.19	0.01
Hempstead Lake	10622.5*	Max WS	1509.66	17.17	35.68		35.68	0.000000	0.11	13858.24	1233.27	0.01
Hempstead Lake	10611.8*	Max WS	1509.63	17.14	35.68		35.68	0.000000	0.11	13831.26	1217.61	0.01
Hempstead Lake	10601.2*	Max WS	1509.60	17.10	35.68		35.68	0.000000	0.11	13819.63	1202.12	0.01
Hempstead Lake	10590.5*	Max WS	1510.31	17.06	35.68		35.68	0.000000	0.11	13821.90	1186.81	0.01
Hempstead Lake	10579.8*	Max WS	1509.54	17.03	35.68		35.68	0.000000	0.11	13839.14	1171.70	0.01
Hempstead Lake	10569.23	Max WS	1510.31	16.99	35.68		35.68	0.000000	0.11	13870.55	1147.09	0.01
Hempstead Lake	10549.1*	Max WS	1509.48	16.96	35.68		35.68	0.000000	0.11	13912.63	1138.39	0.01
Hempstead Lake	10529.0*	Max WS	1509.45	16.94	35.68		35.68	0.000000	0.11	13956.78	1132.55	0.01
Hempstead Lake	10508.9*	Max WS	1509.43	16.91	35.68		35.68	0.000000	0.11	14000.12	1128.62	0.01
Hempstead Lake	10488.7*	Max WS	1510.32	16.89	35.68		35.68	0.000000	0.11	14042.89	1124.85	0.01
Hempstead Lake	10468.6*	Max WS	1510.31	16.86	35.68		35.68	0.000000	0.11	14088.20	1121.36	0.01
Hempstead Lake	10448.5*	Max WS	1509.35	16.83	35.68		35.68	0.000000	0.11	14134.22	1118.25	0.01
Hempstead Lake	10428.4*	Max WS	1510.32	16.81	35.68		35.68	0.000000	0.11	14178.42	1115.24	0.01
Hempstead Lake	10408.3*	Max WS	1509.30	16.78	35.68		35.68	0.000000	0.11	14225.84	1112.15	0.01
Hempstead Lake	10388.2*	Max WS	1510.31	16.76	35.68		35.68	0.000000	0.11	14271.26	1109.28	0.01
Hempstead Lake	10368.1*	Max WS	1509.24	16.73	35.68		35.68	0.000000	0.11	14320.09	1106.48	0.01
Hempstead Lake	10348.0*	Max WS	1510.31	16.71	35.68		35.68	0.000000	0.11	14366.91	1103.71	0.01
Hempstead Lake	10327.9*	Max WS	1509.19	16.68	35.68		35.68	0.000000	0.10	14415.40	1100.93	0.01
Hempstead Lake	10307.8*	Max WS	1509.16	16.65	35.68		35.68	0.000000	0.10	14465.37	1098.32	0.01
Hempstead Lake	10287.7*	Max WS	1510.31	16.63	35.68		35.68	0.000000	0.10	14515.08	1095.67	0.01
Hempstead Lake	10267.6*	Max WS	1510.30	16.60	35.68		35.68	0.000000	0.10	14565.88	1093.02	0.01
Hempstead Lake	10247.4*	Max WS	1509.08	16.58	35.68		35.68	0.000000	0.10	14615.42	1090.40	0.00
Hempstead Lake	10227.3*	Max WS	1509.06	16.55	35.68		35.68	0.000000	0.10	14666.79	1087.91	0.00
Hempstead Lake	10207.2*	Max WS	1510.29	16.52	35.68		35.68	0.000000	0.10	14720.16	1085.38	0.00
Hempstead Lake	10187.1*	Max WS	1510.29	16.50	35.68		35.68	0.000000	0.10	14771.49	1082.92	0.00
Hempstead Lake	10167.0*	Max WS	1508.98	16.47	35.68		35.68	0.000000	0.10	14825.30	1080.43	0.00
Hempstead Lake	10146.9*	Max WS	1510.29	16.45	35.68		35.68	0.000000	0.10	14877.51	1078.12	0.00
Hempstead Lake	10126.8*	Max WS	1508.92	16.42	35.68		35.68	0.000000	0.10	14934.51	1075.71	0.00
Hempstead Lake	10106.7*	Max WS	1508.89	16.40	35.68		35.68	0.000000	0.10	14987.43	1073.40	0.00
Hempstead Lake	10086.6*	Max WS	1508.87	16.37	35.68		35.68	0.000000	0.10	15042.98	1071.21	0.00
Hempstead Lake	10066.5*	Max WS	1508.84	16.34	35.68		35.68	0.000000	0.10	15101.13	1084.95	0.00
Hempstead Lake	10046.4*	Max WS	1510.30	16.32	35.68		35.68	0.000000	0.10	15161.96	1102.13	0.00
Hempstead Lake	10026.2*	Max WS	1510.29	16.29	35.68		35.68	0.000000	0.10	15234.11	1160.33	0.00
Hempstead Lake	10006.1*	Max WS	1510.29	16.27	35.68		35.68	0.000000	0.10	15309.00	1171.14	0.00
Hempstead Lake	9986.073	Max WS	1508.72	16.24	35.68		35.68	0.000000	0.10	15388.18	1182.37	0.00
Hempstead Lake	9965.77*	Max WS	1508.69	16.21	35.68		35.68	0.000000	0.10	15377.61	1178.56	0.00
Hempstead Lake	9945.47*	Max WS	1510.29	16.19	35.68		35.68	0.000000	0.10	15364.05	1174.93	0.00
Hempstead Lake	9925.18*	Max WS	1508.63	16.16	35.68		35.68	0.000000	0.10	15350.99	1170.70	0.00
Hempstead Lake	9904.88*	Max WS	1510.28	16.13	35.68		35.68	0.000000	0.10	15337.82	1162.87	0.00
Hempstead Lake	9884.59*	Max WS	1508.58	16.11	35.68		35.68	0.000000	0.10	15324.84	1103.75	0.00
Hempstead Lake	9864.29*	Max WS	1510.27	16.08	35.68		35.68	0.000000	0.10	15316.56	1090.31	0.00
Hempstead Lake	9843.99*	Max WS	1508.53	16.05	35.68		35.68	0.000000	0.10	15307.52	1077.18	0.00
Hempstead Lake	9823.7*	Max WS	1510.26	16.03	35.68		35.68	0.000000	0.10	15299.17	1062.41	0.00
Hempstead Lake	9803.40*	Max WS	1508.48	16.00	35.68		35.68	0.000000	0.10	15291.37	1047.78	0.00
Hempstead Lake	9783.10*	Max WS	1508.45	15.97	35.68		35.68	0.000000	0.10	15284.61	1042.71	0.00
Hempstead Lake	9762.81*	Max WS	1508.43	15.95	35.68		35.68	0.000000	0.10	15276.89	1041.07	0.00
Hempstead Lake	9742.51*	Max WS	1508.40	15.92	35.68		35.68	0.000000	0.10	15269.57	1039.38	0.00
Hempstead Lake	9722.21*	Max WS	1510.26	15.89	35.68		35.68	0.000000	0.10	15261.44	1037.34	0.00
Hempstead Lake	9701.92*	Max WS	1508.35	15.87	35.68		35.68	0.000000	0.10	15251.72	1035.35	0.00
Hempstead Lake	9681.62*	Max WS	1510.26	15.84	35.68		35.68	0.000000	0.10	15241.30	1033.11	0.00
Hempstead Lake	9661.32*	Max WS	1508.30	15.81	35.68		35.68	0.000000	0.10	15231.93	1030.86	0.00
Hempstead Lake	9641.03*	Max WS	1510.25	15.79	35.68		35.68	0.000000	0.10	15219.98	1028.30	0.00
Hempstead Lake	9620.73*	Max WS	1510.25	15.76	35.68		35.68	0.000000	0.10	15208.36	1025.69	0.00
Hempstead Lake	9600.43*	Max WS	1508.23	15.73	35.68		35.68	0.000000	0.10	15194.87	1022.97	0.00
Hempstead Lake	9580.14*	Max WS	1508.20	15.71	35.68		35.68	0.000000	0.10	15180.93	1020.30	0.00
Hempstead Lake	9559.84*	Max WS	1508.18	15.68	35.68		35.68	0.000000	0.10	15166.62	1017.45	0.00
Hempstead Lake	9539.54*	Max WS	1510.24	15.66	35.68		35.68	0.000000	0.10	15150.65	1014.56	0.00
Hempstead Lake	9519.25*	Max WS	1508.14	15.63	35.68		35.68	0.000000	0.10	15133.65	1011.65	0.00
Hempstead Lake	9498.95*	Max WS	1508.12	15.60	35.68		35.68	0.000000	0.10	15118.21	1008.75	0.00
Hempstead Lake	9478.65*	Max WS	1510.23	15.58	35.68		35.68	0.000000	0.10	15099.52	1005.58	0.00
Hempstead Lake	9458.36*	Max WS	1508.07	15.55	35.68		35.68	0.000000	0.10	15081.45	1005.07	0.00
Hempstead Lake	9438.06*	Max WS	1508.04	15.52	35.68		35.68	0.000000	0.10	15060.95	1004.93	0.00
Hempstead Lake	9417.76*	Max WS	1510.23	15.50	35.68		35.68	0.000000	0.10	15041.51	1002.52	0.00
Hempstead Lake	9397.47*	Max WS	1510.22	15.47	35.68		35.68	0.000000	0.10	15020.18	998.93	0.00
Hempstead Lake	9377.17*	Max WS	1510.21	15.44	35.68		35.68	0.000000	0.10	14999.96	995.44	0.00
Hempstead Lake	9356.87*	Max WS	1507.96	15.42	35.68		35.68	0.000000	0.10	14974.96	992.60	0.00
Hempstead Lake	9336.58*	Max WS	1507.94	15.39	35.68		35.68	0.000000	0.10	14952.77	990.81	0.00
Hempstead Lake	9316.28*	Max WS	1507.91	15.36	35.68		35.68	0.000000	0.10	14929.16	988.76	0.00
Hempstead Lake	9295.98*	Max WS	1510.21	15.34	35.68		35.68	0.000000	0.10	14903.60	986.59	0.00
Hempstead Lake	9275.69*	Max WS	1507.87	15.31	35.68		35.68	0.000000	0.10	14878.04	984.43	0.00
Hempstead Lake	9255.39*	Max WS	1507.84	15.28	35.68		35.68	0.000000	0.10	14851.94	982.31	0.00
Hempstead Lake	9235.09*	Max WS	1507.81	15.26	35.68		35.68	0.000000	0.10	14823.24	980.03	0.00
Hempstead Lake	9214.80*	Max WS	1510.20	15.23	35.68		35.68	0.000000	0.10	14797.09	977.91	0.00
Hempstead Lake	9194.50*	Max WS	1510.19	15.20	35.68		35.68	0.000000	0.10	14767.00	975.41	0.00
Hempstead Lake	9174.20*	Max WS	1507.74	15.18	35.68		35.68	0.000000	0.11	14736.55	973.29	0.00
Hempstead Lake	9153.910	Max WS	1510.19	15.15	35.68		35.68	0.000000	0.11	14707.25	971.00	0.00
Hempstead Lake	9133.22*	Max WS	1543.40	15.12	35.68		35.68	0.000000	0.11	14754.60	977.74	0.00
Hempstead Lake	9112.54*	Max WS	1540.91	15.10	35.68		35.68	0.000000	0.11	14797.51	984.40	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	1540.89	15.07	35.68		35.68	0.000000	0.11	14843.26	991.31	0.00
Hempstead Lake	9071.17*	Max WS	1540.87	15.05	35.68		35.68	0.000000	0.11	14885.84	998.24	0.00
Hempstead Lake	9050.49*	Max WS	1540.84	15.02	35.68		35.68	0.000000	0.11	14927.76	1005.12	0.00
Hempstead Lake	9029.80*	Max WS	1543.39	15.00	35.68		35.68	0.000000	0.11	14967.84	1012.25	0.00
Hempstead Lake	9009.12*	Max WS	1540.80	14.97	35.68		35.68	0.000000	0.11	15007.98	1019.37	0.00
Hempstead Lake	8988.44*	Max WS	1543.39	14.95	35.68		35.68	0.000000	0.11	15046.48	1026.46	0.00
Hempstead Lake	8967.75*	Max WS	1543.38	14.92	35.68		35.68	0.000000	0.10	15083.99	1033.77	0.00
Hempstead Lake	8947.07*	Max WS	1543.37	14.90	35.68		35.68	0.000000	0.10	15119.99	1041.16	0.00
Hempstead Lake	8926.39*	Max WS	1540.71	14.87	35.68		35.68	0.000000	0.10	15155.34	1048.56	0.00
Hempstead Lake	8905.70*	Max WS	1543.37	14.85	35.68		35.68	0.000000	0.10	15190.19	1056.46	0.00
Hempstead Lake	8885.02*	Max WS	1540.67	14.82	35.68		35.68	0.000000	0.10	15223.34	1064.59	0.00
Hempstead Lake	8864.33*	Max WS	1540.65	14.80	35.68		35.68	0.000000	0.10	15254.62	1072.77	0.00
Hempstead Lake	8843.65*	Max WS	1543.36	14.77	35.68		35.68	0.000000	0.10	15286.64	1081.31	0.00
Hempstead Lake	8822.97*	Max WS	1540.59	14.75	35.68		35.68	0.000000	0.10	15316.01	1090.11	0.00
Hempstead Lake	8802.28*	Max WS	1540.57	14.72	35.68		35.68	0.000000	0.10	15344.87	1098.97	0.00
Hempstead Lake	8781.60*	Max WS	1543.36	14.70	35.68		35.68	0.000000	0.10	15373.26	1108.84	0.00
Hempstead Lake	8760.92*	Max WS	1540.51	14.67	35.68		35.68	0.000000	0.10	15400.67	1118.69	0.00
Hempstead Lake	8740.23*	Max WS	1543.35	14.65	35.68		35.68	0.000000	0.10	15427.75	1128.87	0.00
Hempstead Lake	8719.55*	Max WS	1543.34	14.62	35.68		35.68	0.000000	0.10	15451.95	1139.79	0.00
Hempstead Lake	8698.86*	Max WS	1543.33	14.60	35.68		35.68	0.000000	0.10	15478.79	1151.38	0.00
Hempstead Lake	8678.18*	Max WS	1543.32	14.57	35.68		35.68	0.000000	0.10	15503.23	1166.14	0.00
Hempstead Lake	8657.50*	Max WS	1543.32	14.55	35.68		35.68	0.000000	0.10	15527.62	1204.02	0.00
Hempstead Lake	8636.81*	Max WS	1543.30	14.52	35.68		35.68	0.000000	0.10	15556.48	1250.00	0.00
Hempstead Lake	8616.13*	Max WS	1540.35	14.50	35.68		35.68	0.000000	0.10	15589.57	1324.81	0.00
Hempstead Lake	8595.45*	Max WS	1540.32	14.47	35.68		35.68	0.000000	0.10	15630.55	1360.95	0.00
Hempstead Lake	8574.76*	Max WS	1540.28	14.45	35.68		35.68	0.000000	0.10	15670.67	1399.83	0.00
Hempstead Lake	8554.08*	Max WS	1543.29	14.42	35.68		35.68	0.000000	0.10	15715.47	1446.14	0.00
Hempstead Lake	8533.39*	Max WS	1543.28	14.40	35.68		35.68	0.000000	0.10	15764.78	1493.12	0.00
Hempstead Lake	8512.71*	Max WS	1540.20	14.37	35.68		35.68	0.000000	0.10	15815.64	1523.45	0.00
Hempstead Lake	8492.03*	Max WS	1540.16	14.35	35.68		35.68	0.000000	0.10	15869.09	1541.12	0.00
Hempstead Lake	8471.34*	Max WS	1543.27	14.32	35.68		35.68	0.000000	0.10	15922.46	1562.85	0.00
Hempstead Lake	8450.66*	Max WS	1540.09	14.30	35.68		35.68	0.000000	0.10	15976.59	1585.00	0.00
Hempstead Lake	8429.980	Max WS	1540.05	14.27	35.68		35.68	0.000000	0.10	16030.25	1607.12	0.00
Hempstead Lake	8416.34*	Max WS	1543.26	14.25	35.68		35.68	0.000000	0.10	16117.91	1613.66	0.00
Hempstead Lake	8402.71*	Max WS	1540.00	14.23	35.68		35.68	0.000000	0.10	16206.75	1621.42	0.00
Hempstead Lake	8389.07*	Max WS	1543.25	14.21	35.68		35.68	0.000000	0.10	16294.77	1627.97	0.00
Hempstead Lake	8375.44*	Max WS	1543.24	14.19	35.68		35.68	0.000000	0.10	16386.88	1636.21	0.00
Hempstead Lake	8361.81*	Max WS	1543.23	14.16	35.68		35.68	0.000000	0.10	16475.73	1643.58	0.00
Hempstead Lake	8348.17*	Max WS	1539.91	14.14	35.68		35.68	0.000000	0.10	16567.02	1652.30	0.00
Hempstead Lake	8334.54*	Max WS	1543.22	14.12	35.68		35.68	0.000000	0.10	16656.61	1660.94	0.00
Hempstead Lake	8320.91*	Max WS	1543.21	14.10	35.68		35.68	0.000000	0.10	16747.91	1670.31	0.00
Hempstead Lake	8307.27*	Max WS	1543.20	14.08	35.68		35.68	0.000000	0.09	16838.46	1680.85	0.00
Hempstead Lake	8293.64*	Max WS	1543.19	14.06	35.68		35.68	0.000000	0.09	16933.06	1691.77	0.00
Hempstead Lake	8280.00*	Max WS	1543.18	14.04	35.68		35.68	0.000000	0.09	17024.80	1704.67	0.00
Hempstead Lake	8266.37*	Max WS	1539.77	14.02	35.68		35.68	0.000000	0.09	17115.32	1719.77	0.00
Hempstead Lake	8252.74*	Max WS	1543.17	13.99	35.68		35.68	0.000000	0.09	17208.60	1734.67	0.00
Hempstead Lake	8239.10*	Max WS	1539.72	13.97	35.68		35.68	0.000000	0.09	17301.67	1752.91	0.00
Hempstead Lake	8225.47*	Max WS	1539.70	13.95	35.68		35.68	0.000000	0.09	17398.56	1765.44	0.00
Hempstead Lake	8211.84*	Max WS	1539.68	13.93	35.68		35.68	0.000000	0.09	17493.42	1778.32	0.00
Hempstead Lake	8198.20*	Max WS	1543.15	13.91	35.68		35.68	0.000000	0.09	17591.56	1740.58	0.00
Hempstead Lake	8184.57*	Max WS	1543.14	13.89	35.68		35.68	0.000000	0.09	17690.98	1703.95	0.00
Hempstead Lake	8170.93*	Max WS	1539.61	13.87	35.68		35.68	0.000000	0.09	17793.39	1688.11	0.00
Hempstead Lake	8157.30*	Max WS	1543.14	13.85	35.68		35.68	0.000000	0.09	17895.79	1683.35	0.00
Hempstead Lake	8143.67*	Max WS	1543.13	13.82	35.68		35.68	0.000000	0.09	18003.59	1682.35	0.00
Hempstead Lake	8130.03*	Max WS	1539.54	13.80	35.68		35.68	0.000000	0.09	18108.93	1686.94	0.00
Hempstead Lake	8116.40*	Max WS	1543.12	13.78	35.68		35.68	0.000000	0.09	18219.14	1691.35	0.00
Hempstead Lake	8102.76*	Max WS	1543.10	13.76	35.68		35.68	0.000000	0.09	18327.52	1694.73	0.00
Hempstead Lake	8089.13*	Max WS	1543.09	13.74	35.68		35.68	0.000000	0.09	18435.81	1699.40	0.00
Hempstead Lake	8075.50*	Max WS	1539.44	13.72	35.68		35.68	0.000000	0.09	18548.38	1704.07	0.00
Hempstead Lake	8061.86*	Max WS	1543.08	13.70	35.68		35.68	0.000000	0.08	18660.44	1711.15	0.00
Hempstead Lake	8048.23*	Max WS	1543.07	13.68	35.68		35.68	0.000000	0.08	18773.99	1724.65	0.00
Hempstead Lake	8034.6*	Max WS	1543.06	13.65	35.68		35.68	0.000000	0.08	18889.44	1739.11	0.00
Hempstead Lake	8020.96*	Max WS	1539.34	13.63	35.68		35.68	0.000000	0.08	19008.38	1760.82	0.00
Hempstead Lake	8007.33*	Max WS	1543.05	13.61	35.68		35.68	0.000000	0.08	19126.27	1786.16	0.00
Hempstead Lake	7993.69*	Max WS	1543.05	13.59	35.68		35.68	0.000000	0.08	19247.83	1801.75	0.00
Hempstead Lake	7980.06*	Max WS	1543.04	13.57	35.68		35.68	0.000000	0.08	19368.25	1816.83	0.00
Hempstead Lake	7966.43*	Max WS	1543.02	13.55	35.68		35.68	0.000000	0.08	19493.48	1842.57	0.00
Hempstead Lake	7952.79*	Max WS	1539.21	13.53	35.68		35.68	0.000000	0.08	19619.10	1870.45	0.00
Hempstead Lake	7939.16*	Max WS	1543.00	13.51	35.68		35.68	0.000000	0.08	19747.57	1899.65	0.00
Hempstead Lake	7925.53*	Max WS	1542.99	13.48	35.68		35.68	0.000000	0.08	19880.20	1955.17	0.00
Hempstead Lake	7911.89*	Max WS	1542.97	13.46	35.68		35.68	0.000000	0.08	20015.48	2005.98	0.00
Hempstead Lake	7898.26*	Max WS	1542.96	13.44	35.68		35.68	0.000000	0.08	20156.28	2064.11	0.00
Hempstead Lake	7884.62*	Max WS	1539.08	13.42	35.68		35.68	0.000000	0.08	20299.15	2115.50	0.00
Hempstead Lake	7870.99*	Max WS	1542.94	13.40	35.68		35.68	0.000000	0.08	20446.08	2168.32	0.00
Hempstead Lake	7857.36*	Max WS	1542.93	13.38	35.68		35.68	0.000000	0.08	20597.46	2222.07	0.00
Hempstead Lake	7843.72*	Max WS	1542.91	13.36	35.68		35.68	0.000000	0.08	20754.40	2270.42	0.00
Hempstead Lake	7830.09*	Max WS	1542.90	13.34	35.68		35.68	0.000000	0.08	20913.31	2325.79	0.00
Hempstead Lake	7816.45*	Max WS	1542.88	13.31	35.68		35.68	0.000000	0.08	21102.66	2872.92	0.00
Hempstead Lake	7802.82*	Max WS	1542.86	13.29	35.68		35.68	0.000000	0.08	21302.09	2879.20	0.00
Hempstead Lake	7789.19*	Max WS	1542.85	13.27	35.68		35.68	0.000000	0.08	21510.09	2885.11	0.00
Hempstead Lake	7775.55*	Max WS	1542.83	13.25	35.68		35.68	0.000000	0.08	21712.49	2891.64	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	1542.81	13.23	35.68		35.68	0.000000	0.07	21919.83	2898.94	0.00
Hempstead Lake	7748.29*	Max WS	1542.79	13.21	35.68		35.68	0.000000	0.07	22126.48	2905.92	0.00
Hempstead Lake	7734.65*	Max WS	1542.78	13.19	35.68		35.68	0.000000	0.07	22334.97	2913.39	0.00
Hempstead Lake	7721.02*	Max WS	1542.76	13.17	35.68		35.68	0.000000	0.07	22548.12	2920.75	0.00
Hempstead Lake	7707.38*	Max WS	1538.54	13.14	35.68		35.68	0.000000	0.07	22753.88	2928.97	0.00
Hempstead Lake	7693.75*	Max WS	1542.73	13.12	35.68		35.68	0.000000	0.07	22966.89	2937.31	0.00
Hempstead Lake	7680.12*	Max WS	1542.71	13.10	35.68		35.68	0.000000	0.07	23175.77	2946.82	0.00
Hempstead Lake	7666.48*	Max WS	1542.69	13.08	35.68		35.68	0.000000	0.07	23393.29	2956.21	0.00
Hempstead Lake	7652.85*	Max WS	1542.67	13.06	35.68		35.68	0.000000	0.07	23602.48	2964.94	0.00
Hempstead Lake	7639.22*	Max WS	1542.65	13.04	35.68		35.68	0.000000	0.07	23820.07	2975.58	0.00
Hempstead Lake	7625.58*	Max WS	1542.62	13.02	35.68		35.68	0.000000	0.07	24038.24	2986.89	0.00
Hempstead Lake	7611.95*	Max WS	1542.60	13.00	35.68		35.68	0.000000	0.07	24250.98	2998.09	0.00
Hempstead Lake	7598.31*	Max WS	1546.97	12.97	35.68		35.68	0.000000	0.07	24469.69	3009.62	0.00
Hempstead Lake	7584.68*	Max WS	1542.57	12.95	35.68		35.68	0.000000	0.07	24687.79	3021.14	0.00
Hempstead Lake	7571.05*	Max WS	1542.56	12.93	35.68		35.68	0.000000	0.07	24910.36	3033.09	0.00
Hempstead Lake	7557.41*	Max WS	1542.54	12.91	35.68		35.68	0.000000	0.07	25128.62	3046.08	0.00
Hempstead Lake	7543.783	Max WS	1542.52	12.89	35.68		35.68	0.000000	0.07	25351.95	3059.52	0.00
Hempstead Lake	7530.03*	Max WS	1559.37	12.85	35.68		35.68	0.000000	0.07	25501.93	3073.79	0.00
Hempstead Lake	7516.28*	Max WS	1559.35	12.82	35.68		35.68	0.000000	0.07	25652.31	3087.83	0.00
Hempstead Lake	7502.53*	Max WS	1563.88	12.78	35.68		35.68	0.000000	0.07	25804.04	3102.54	0.00
Hempstead Lake	7488.79*	Max WS	1559.30	12.74	35.68		35.68	0.000000	0.07	25958.39	3176.40	0.00
Hempstead Lake	7475.04*	Max WS	1563.88	12.71	35.68		35.68	0.000000	0.07	26112.15	3193.07	0.00
Hempstead Lake	7461.29*	Max WS	1563.87	12.67	35.68		35.68	0.000000	0.07	26267.33	3209.23	0.00
Hempstead Lake	7447.54*	Max WS	1559.24	12.63	35.68		35.68	0.000000	0.07	26426.64	3226.51	0.00
Hempstead Lake	7433.79*	Max WS	1559.21	12.60	35.68		35.68	0.000000	0.07	26582.08	3243.20	0.00
Hempstead Lake	7420.04*	Max WS	1559.19	12.56	35.68		35.68	0.000000	0.07	26739.65	3263.67	0.00
Hempstead Lake	7406.3*	Max WS	1559.17	12.52	35.68		35.68	0.000000	0.07	26901.69	3283.49	0.00
Hempstead Lake	7392.55*	Max WS	1559.15	12.49	35.68		35.68	0.000000	0.07	27063.56	3318.68	0.00
Hempstead Lake	7378.80*	Max WS	1559.13	12.45	35.68		35.68	0.000000	0.07	27223.74	3329.36	0.00
Hempstead Lake	7365.05*	Max WS	1563.89	12.41	35.68		35.68	0.000000	0.07	27388.06	3336.93	0.00
Hempstead Lake	7351.30*	Max WS	1559.08	12.38	35.68		35.68	0.000000	0.07	27551.13	3344.02	0.00
Hempstead Lake	7337.55*	Max WS	1559.06	12.34	35.68		35.68	0.000000	0.07	27713.16	3352.20	0.00
Hempstead Lake	7323.81*	Max WS	1559.03	12.30	35.68		35.68	0.000000	0.07	27877.68	3359.50	0.00
Hempstead Lake	7310.06*	Max WS	1559.00	12.26	35.68		35.68	0.000000	0.07	28042.99	3368.55	0.00
Hempstead Lake	7296.31*	Max WS	1563.88	12.23	35.68		35.68	0.000000	0.07	28209.13	3377.39	0.00
Hempstead Lake	7282.56*	Max WS	1558.95	12.19	35.68		35.68	0.000000	0.07	28374.18	3386.28	0.00
Hempstead Lake	7268.81*	Max WS	1558.91	12.15	35.68		35.68	0.000000	0.06	28541.63	3396.85	0.00
Hempstead Lake	7255.06*	Max WS	1558.87	12.12	35.68		35.68	0.000000	0.06	28707.32	3408.74	0.00
Hempstead Lake	7241.32*	Max WS	1558.82	12.08	35.68		35.68	0.000000	0.06	28875.76	3422.63	0.00
Hempstead Lake	7227.57*	Max WS	1558.78	12.04	35.68		35.68	0.000000	0.06	29046.64	3436.21	0.00
Hempstead Lake	7213.82*	Max WS	1563.89	12.01	35.68		35.68	0.000000	0.06	29214.35	3450.40	0.00
Hempstead Lake	7200.07*	Max WS	1558.72	11.97	35.68		35.68	0.000000	0.06	29382.44	3465.03	0.00
Hempstead Lake	7186.32*	Max WS	1563.88	11.93	35.68		35.68	0.000000	0.06	29556.47	3482.12	0.00
Hempstead Lake	7172.57*	Max WS	1563.87	11.90	35.68		35.68	0.000000	0.06	29728.86	3499.47	0.00
Hempstead Lake	7158.83*	Max WS	1563.87	11.86	35.68		35.68	0.000000	0.06	29901.31	3516.13	0.00
Hempstead Lake	7145.08*	Max WS	1558.61	11.82	35.68		35.68	0.000000	0.06	30077.68	3535.58	0.00
Hempstead Lake	7131.33*	Max WS	1558.58	11.79	35.68		35.68	0.000000	0.06	30255.38	3554.49	0.00
Hempstead Lake	7117.58*	Max WS	1558.55	11.75	35.68		35.68	0.000000	0.06	30436.04	3574.71	0.00
Hempstead Lake	7103.83*	Max WS	1563.88	11.71	35.68		35.68	0.000000	0.06	30615.94	3599.52	0.00
Hempstead Lake	7090.08*	Max WS	1563.87	11.68	35.68		35.68	0.000000	0.06	30796.03	3630.25	0.00
Hempstead Lake	7076.34*	Max WS	1558.48	11.64	35.68		35.68	0.000000	0.06	30983.57	3660.01	0.00
Hempstead Lake	7062.59*	Max WS	1558.45	11.60	35.68		35.68	0.000000	0.06	31167.88	3690.85	0.00
Hempstead Lake	7048.84*	Max WS	1558.42	11.57	35.68		35.68	0.000000	0.06	31355.43	3720.51	0.00
Hempstead Lake	7035.09*	Max WS	1558.40	11.53	35.68		35.68	0.000000	0.06	31550.68	3751.55	0.00
Hempstead Lake	7021.34*	Max WS	1558.38	11.49	35.68		35.68	0.000000	0.06	31743.72	3773.93	0.00
Hempstead Lake	7007.6*	Max WS	1558.35	11.46	35.68		35.68	0.000000	0.06	31940.42	3778.09	0.00
Hempstead Lake	6993.85*	Max WS	1558.23	11.42	35.68		35.68	0.000000	0.06	32135.58	3782.24	0.00
Hempstead Lake	6980.10*	Max WS	1557.98	11.38	35.68		35.68	0.000000	0.06	32335.38	3786.39	0.00
Hempstead Lake	6966.35*	Max WS	1557.65	11.35	35.68		35.68	0.000000	0.06	32532.17	3790.55	0.00
Hempstead Lake	6952.60*	Max WS	1563.72	11.31	35.68		35.68	0.000000	0.06	32731.83	3794.70	0.00
Hempstead Lake	6938.85*	Max WS	1557.12	11.27	35.68		35.68	0.000000	0.06	32930.72	3798.85	0.00
Hempstead Lake	6925.11*	Max WS	1563.58	11.23	35.68		35.68	0.000000	0.06	33129.35	3803.01	0.00
Hempstead Lake	6911.36*	Max WS	1556.98	11.20	35.68		35.68	0.000000	0.06	33333.04	3807.16	0.00
Hempstead Lake	6897.61*	Max WS	1556.81	11.16	35.68		35.68	0.000000	0.06	33533.73	3811.31	0.00
Hempstead Lake	6883.86*	Max WS	1556.48	11.12	35.67		35.68	0.000000	0.06	33736.89	3815.47	0.00
Hempstead Lake	6870.11*	Max WS	1563.52	11.09	35.67		35.68	0.000000	0.05	41526.40	5497.30	0.00
Hempstead Lake	6856.36*	Max WS	1555.73	11.05	35.67		35.68	0.000000	0.05	41785.85	5495.37	0.00
Hempstead Lake	6842.62*	Max WS	1563.44	11.01	35.67		35.68	0.000000	0.05	42045.73	5492.88	0.00
Hempstead Lake	6828.87*	Max WS	1555.20	10.98	35.67		35.68	0.000000	0.05	42312.20	5484.96	0.00
Hempstead Lake	6815.12*	Max WS	1554.97	10.94	35.67		35.67	0.000000	0.05	42582.27	5482.12	0.00
Hempstead Lake	6801.37*	Max WS	1554.78	10.90	35.67		35.67	0.000000	0.05	42855.64	5480.24	0.00
Hempstead Lake	6787.62*	Max WS	1554.73	10.87	35.67		35.67	0.000000	0.05	43130.34	5479.07	0.00
Hempstead Lake	6773.87*	Max WS	1563.37	10.83	35.67		35.67	0.000000	0.05	43408.55	5475.42	0.00
Hempstead Lake	6760.13*	Max WS	1554.66	10.79	35.67		35.67	0.000000	0.05	43692.23	5468.98	0.00
Hempstead Lake	6746.38*	Max WS	1554.50	10.76	35.67		35.67	0.000000	0.05	43974.65	5458.86	0.00
Hempstead Lake	6732.634	Max WS	1563.40	10.72	35.67		35.67	0.000000	0.05	44263.47	5449.99	0.00
Hempstead Lake	6718.98*	Max WS	1554.08	10.73	35.67		35.67	0.000000	0.05	44160.49	5422.99	0.00
Hempstead Lake	6705.33*	Max WS	1563.22	10.74	35.67		35.67	0.000000	0.05	44062.05	5394.61	0.00
Hempstead Lake	6691.68*	Max WS	1563.07	10.75	35.67		35.67	0.000000	0.05	43958.39	5363.81	0.00
Hempstead Lake	6678.03*	Max WS	1553.22	10.76	35.67		35.67	0.000000	0.05	43858.15	5331.48	0.00
Hempstead Lake	6664.38*	Max WS	1552.91	10.77	35.67		35.67	0.000000	0.05	43758.46	5296.84	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	1552.59	10.78	35.67		35.67	0.000000	0.06	35107.74	3824.83	0.00
Hempstead Lake	6637.07*	Max WS	1563.04	10.79	35.67		35.67	0.000000	0.06	34959.45	3818.77	0.00
Hempstead Lake	6623.42*	Max WS	1552.05	10.80	35.67		35.67	0.000000	0.06	34808.30	3812.72	0.00
Hempstead Lake	6609.77*	Max WS	1551.87	10.81	35.67		35.67	0.000000	0.06	34659.56	3806.67	0.00
Hempstead Lake	6596.12*	Max WS	1551.67	10.82	35.67		35.67	0.000000	0.06	34508.90	3800.61	0.00
Hempstead Lake	6582.47*	Max WS	1551.40	10.83	35.67		35.67	0.000000	0.06	34361.20	3794.56	0.00
Hempstead Lake	6568.82*	Max WS	1551.24	10.84	35.67		35.67	0.000000	0.06	34212.83	3788.50	0.00
Hempstead Lake	6555.17*	Max WS	1551.21	10.85	35.67		35.67	0.000000	0.06	34065.63	3782.45	0.00
Hempstead Lake	6541.52*	Max WS	1551.19	10.86	35.67		35.67	0.000000	0.06	33919.45	3776.40	0.00
Hempstead Lake	6527.87*	Max WS	1551.17	10.87	35.67		35.67	0.000000	0.06	33771.12	3770.34	0.00
Hempstead Lake	6514.22*	Max WS	1551.16	10.88	35.67		35.67	0.000000	0.06	33625.13	3764.29	0.00
Hempstead Lake	6500.57*	Max WS	1539.17	10.89	35.67		35.67	0.000000	0.06	33479.55	3758.24	0.00
Hempstead Lake	6486.91*	Max WS	1551.13	10.91	35.67		35.67	0.000000	0.06	33333.10	3743.38	0.00
Hempstead Lake	6473.26*	Max WS	1551.11	10.92	35.67		35.67	0.000000	0.06	33187.70	3725.98	0.00
Hempstead Lake	6459.61*	Max WS	1563.30	10.93	35.67		35.67	0.000000	0.06	33045.89	3712.60	0.00
Hempstead Lake	6445.96*	Max WS	1551.07	10.94	35.67		35.67	0.000000	0.06	32901.62	3701.51	0.00
Hempstead Lake	6432.31*	Max WS	1538.96	10.95	35.67		35.67	0.000000	0.06	32759.12	3690.69	0.00
Hempstead Lake	6418.66*	Max WS	1538.92	10.96	35.67		35.67	0.000000	0.06	32615.63	3680.12	0.00
Hempstead Lake	6405.01*	Max WS	1538.89	10.97	35.67		35.67	0.000000	0.06	32474.58	3669.37	0.00
Hempstead Lake	6391.36*	Max WS	1538.85	10.98	35.67		35.67	0.000000	0.06	32335.74	3659.19	0.00
Hempstead Lake	6377.71*	Max WS	1551.02	10.99	35.67		35.67	0.000000	0.06	32194.53	3649.21	0.00
Hempstead Lake	6364.06*	Max WS	1551.01	11.00	35.67		35.67	0.000000	0.07	32056.02	3639.43	0.00
Hempstead Lake	6350.41*	Max WS	1538.75	11.01	35.67		35.67	0.000000	0.06	31917.36	3629.18	0.00
Hempstead Lake	6336.76*	Max WS	1550.99	11.02	35.67		35.67	0.000000	0.07	31780.36	3619.71	0.00
Hempstead Lake	6323.11*	Max WS	1550.97	11.03	35.67		35.67	0.000000	0.07	31641.80	3610.38	0.00
Hempstead Lake	6309.45*	Max WS	1538.65	11.04	35.67		35.67	0.000000	0.07	31504.38	3601.21	0.00
Hempstead Lake	6295.80*	Max WS	1538.62	11.05	35.67		35.67	0.000000	0.07	31367.42	3591.39	0.00
Hempstead Lake	6282.15*	Max WS	1550.95	11.06	35.67		35.67	0.000000	0.07	31232.02	3582.47	0.00
Hempstead Lake	6268.507	Max WS	1550.94	11.07	35.67		35.67	0.000000	0.07	31096.06	3573.70	0.00
Hempstead Lake	6259.72*	Max WS	1538.55	11.10	35.67		35.67	0.000000	0.07	30568.33	3372.22	0.00
Hempstead Lake	6250.93*	Max WS	1538.54	11.14	35.67		35.67	0.000000	0.06	30141.15	3171.49	0.00
Hempstead Lake	6242.14*	Max WS	1538.53	11.17	35.67		35.67	0.000000	0.06	29814.70	2970.12	0.00
Hempstead Lake	6233.35*	Max WS	1538.51	11.21	35.67		35.67	0.000000	0.06	29588.15	2768.93	0.00
Hempstead Lake	6224.57*	Max WS	1538.49	11.24	35.67		35.67	0.000000	0.06	29464.33	2557.71	0.00
Hempstead Lake	6215.78*	Max WS	1538.46	11.27	35.67		35.67	0.000000	0.06	31178.81	2888.04	0.00
Hempstead Lake	6206.99*	Max WS	1538.44	11.31	35.67		35.67	0.000000	0.06	30576.96	2556.41	0.00
Hempstead Lake	6198.21*	Max WS	1550.94	11.34	35.67		35.67	0.000000	0.05	30240.12	2223.95	0.00
Hempstead Lake	6189.42*	Max WS	1538.42	11.38	35.67		35.67	0.000000	0.05	30181.09	1916.58	0.00
Hempstead Lake	6180.638	Max WS	1538.41	11.41	35.67		35.67	0.000000	0.05	30372.29	1541.19	0.00
Hempstead Lake	6177.638	Max WS	1538.40	11.00	35.67	11.38	35.67	0.000000	0.05	30837.84	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	17063.77	10.80	26.93		27.14	0.004757	3.66	4666.62	1091.81	0.31
Hempstead Lake	5930.638	Max WS	17034.37	10.80	26.76		26.93	0.003561	3.36	5138.73	1174.56	0.27
Hempstead Lake	5880.638	Max WS	17026.14	10.80	26.51		26.72	0.004856	3.71	4641.41	1137.95	0.31
Hempstead Lake	5830.638	Max WS	17006.90	10.80	26.21		26.45	0.005998	3.96	4353.94	1113.38	0.34
Hempstead Lake	5780.638	Max WS	16987.99	10.80	25.81		26.10	0.008062	4.32	4000.59	1128.98	0.39
Hempstead Lake	5730.638	Max WS	16985.40	10.80	25.43		25.70	0.007837	4.12	4106.99	1193.32	0.38
Hempstead Lake	5680.638	Max WS	16967.84	10.80	25.13		25.37	0.006025	3.64	4459.20	1257.60	0.34
Hempstead Lake	5630.638	Max WS	16950.68	10.80	24.85		25.09	0.005311	3.44	4593.28	1273.57	0.32
Hempstead Lake	5580.638	Max WS	16948.64	10.80	24.62		24.83	0.004858	3.38	4810.32	1260.74	0.31
Hempstead Lake	5530.638	Max WS	16935.72	10.80	24.36		24.57	0.005218	3.50	4739.04	1253.60	0.32
Hempstead Lake	5480.638	Max WS	16934.11	10.80	24.04		24.28	0.006648	3.82	4400.72	1249.81	0.35
Hempstead Lake	5430.638	Max WS	16923.79	8.00	23.52		23.84	0.010942	4.42	3804.48	1245.25	0.44
Hempstead Lake	5380.638	Max WS	16912.20	8.00	23.05		23.48	0.003744	5.49	3459.60	1197.46	0.56
Hempstead Lake	5330.638	Max WS	16884.91	8.00	22.68		23.04	0.013472	4.78	3553.10	1202.29	0.48
Hempstead Lake	5307.48*	Max WS	16847.80	7.93	22.40		22.75	0.011349	4.86	3617.62	1216.69	0.48
Hempstead Lake	5284.32*	Max WS	16800.55	7.87	22.17		22.50	0.009397	4.76	3721.58	1204.23	0.45
Hempstead Lake	5261.17*	Max WS	16714.78	7.80	22.01		22.31	0.007203	4.51	3916.53	1185.82	0.41
Hempstead Lake	5238.01*	Max WS	16616.87	7.73	21.90		22.16	0.005322	4.19	4186.30	1171.29	0.37
Hempstead Lake	5214.85*	Max WS	16547.28	7.67	21.83		22.05	0.003943	3.88	4499.34	1168.40	0.32
Hempstead Lake	5191.70*	Max WS	16475.72	7.60	21.77		21.97	0.002947	3.60	4835.33	1168.66	0.29
Hempstead Lake	5168.54*	Max WS	16475.47	7.54	21.74		21.91	0.002250	3.36	5186.09	1169.71	0.26
Hempstead Lake	5145.39*	Max WS	16439.42	7.47	21.71		21.86	0.001739	3.13	5542.20	1171.03	0.23
Hempstead Lake	5122.23*	Max WS	16439.04	7.40	21.69		21.82	0.001370	2.94	5901.67	1173.54	0.21
Hempstead Lake	5099.07*	Max WS	16403.41	7.34	21.68		21.79	0.001090	2.76	6261.38	1176.59	0.19
Hempstead Lake	5075.922	Max WS	16403.20	7.27	21.67		21.78	0.000164	2.68	6621.61	1179.12	0.18
Hempstead Lake	5055.96*	Max WS	16403.01	7.23	21.68		21.77	0.000678	2.49	6934.97	1165.50	0.16
Hempstead Lake	5036.01*	Max WS	16402.85	7.20	21.67		21.76	0.000493	2.38	7273.61	1152.98	0.15
Hempstead Lake	5016.05*	Max WS	16402.67	7.16	21.67		21.75	0.000356	2.27	7638.03	1150.98	0.14
Hempstead Lake	4996.10*	Max WS	16402.49	7.12	21.67		21.74	0.000240	2.16	8021.09	1152.40	0.13
Hempstead Lake	4976.14*	Max WS	16402.31	7.09	21.67		21.74	0.000162	2.07	8414.69	1154.96	0.12
Hempstead Lake	4956.192	Max WS	16402.16	7.05	21.68		21.74	0.000072	1.98	8819.85	1158.38	0.11
Hempstead Lake	4936.44*	Max WS	16402.04	7.02	21.68		21.73	0.000102	1.88	9220.33	1152.94	0.11
Hempstead Lake	4916.69*	Max WS	16401.96	6.98	21.68		21.73	0.000125	1.79	9627.07	1146.62	0.10
Hempstead Lake	4896.94*	Max WS	16401.89	6.95	21.69		21.73	0.000151	1.71	10036.24	1140.41	0.09
Hempstead Lake	4877.19*	Max WS	16401.83	6.91	21.69		21.73	0.000167	1.63	10452.75	1133.77	0.08
Hempstead Lake	4857.44*	Max WS	16401.78	6.88	21.69		21.72	0.000184	1.56	10875.34	1126.78	0.08
Hempstead Lake	4837.697	Max WS	16401.72	6.84	21.69		21.72	0.000032	1.52	11306.83	1117.93	0.08
Hempstead Lake	4817.64*	Max WS	16449.55	6.81	21.69		21.72	0.000193	1.48	11344.18	1112.11	0.07
Hempstead Lake	4797.59*	Max WS	16449.46	6.77	21.68		21.72	0.000189	1.48	11380.24	1105.86	0.07
Hempstead Lake	4777.53*	Max WS	16449.35	6.67	21.68		21.71	0.000186	1.47	11418.93	1099.69	0.07

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	16449.20	6.58	21.68		21.71	0.000182	1.46	11458.06	1092.93	0.07
Hempstead Lake	4737.42*	Max WS	16449.03	6.49	21.67		21.70	0.000179	1.45	11498.98	1086.48	0.07
Hempstead Lake	4717.37*	Max WS	16448.83	6.40	21.67		21.70	0.000175	1.45	11541.26	1080.42	0.07
Hempstead Lake	4697.32*	Max WS	16448.60	6.30	21.67		21.70	0.000172	1.44	11587.19	1073.56	0.07
Hempstead Lake	4677.26*	Max WS	16448.36	6.21	21.66		21.69	0.000168	1.43	11633.99	1066.24	0.07
Hempstead Lake	4657.21*	Max WS	16448.08	6.12	21.66		21.69	0.000164	1.42	11683.30	1058.44	0.07
Hempstead Lake	4637.16*	Max WS	16447.79	6.02	21.66		21.69	0.000161	1.41	11735.40	1050.51	0.07
Hempstead Lake	4617.10*	Max WS	16447.48	5.91	21.65		21.69	0.000158	1.40	11789.85	1043.43	0.07
Hempstead Lake	4597.05*	Max WS	16447.14	5.76	21.65		21.68	0.000155	1.39	11844.62	1037.34	0.07
Hempstead Lake	4577.*	Max WS	16421.25	5.60	21.65		21.68	0.000150	1.38	11903.47	1031.34	0.07
Hempstead Lake	4556.94*	Max WS	16421.22	5.45	21.65		21.68	0.000147	1.37	11964.15	1026.22	0.07
Hempstead Lake	4536.893	Max WS	16421.18	5.30	21.64		21.67	0.000024	1.41	12026.01	1021.27	0.07
Hempstead Lake	4516.70*	Max WS	16424.44	5.16	21.64		21.67	0.000140	1.35	12083.47	1019.33	0.06
Hempstead Lake	4496.51*	Max WS	16424.37	5.02	21.64		21.67	0.000137	1.35	12143.94	1016.88	0.06
Hempstead Lake	4476.32*	Max WS	16424.28	4.88	21.64		21.67	0.000135	1.34	12211.11	1015.22	0.06
Hempstead Lake	4456.14*	Max WS	16424.17	4.74	21.64		21.67	0.000131	1.33	12280.33	1013.40	0.06
Hempstead Lake	4435.95*	Max WS	16424.03	4.60	21.64		21.66	0.000128	1.33	12356.75	1011.70	0.06
Hempstead Lake	4415.76*	Max WS	16423.88	4.46	21.63		21.66	0.000125	1.32	12437.59	1010.52	0.06
Hempstead Lake	4395.57*	Max WS	16423.71	4.32	21.63		21.66	0.000122	1.31	12523.84	1009.22	0.06
Hempstead Lake	4375.38*	Max WS	16423.52	4.18	21.63		21.66	0.000119	1.30	12615.35	1008.43	0.06
Hempstead Lake	4355.20*	Max WS	16423.32	4.04	21.63		21.65	0.000115	1.29	12712.47	1009.25	0.06
Hempstead Lake	4335.01*	Max WS	16423.10	3.90	21.63		21.65	0.000111	1.28	12814.84	1009.84	0.06
Hempstead Lake	4314.82*	Max WS	16422.86	3.76	21.62		21.65	0.000108	1.27	12923.00	1010.64	0.06
Hempstead Lake	4294.63*	Max WS	16422.61	3.62	21.62		21.65	0.000105	1.26	13036.68	1011.29	0.06
Hempstead Lake	4274.44*	Max WS	16422.34	3.48	21.62		21.65	0.000101	1.25	13154.84	1012.07	0.06
Hempstead Lake	4254.26*	Max WS	16422.06	3.34	21.62		21.64	0.000098	1.24	13279.07	1012.56	0.05
Hempstead Lake	4234.07*	Max WS	16421.76	3.20	21.62		21.64	0.000094	1.23	13409.00	1013.00	0.05
Hempstead Lake	4213.88*	Max WS	16421.45	3.06	21.62		21.64	0.000091	1.21	13545.02	1013.61	0.05
Hempstead Lake	4193.69*	Max WS	16421.12	2.92	21.62		21.64	0.000088	1.20	13684.76	1014.00	0.05
Hempstead Lake	4173.50*	Max WS	16401.07	2.78	21.61		21.64	0.000084	1.19	13830.55	1014.29	0.05
Hempstead Lake	4153.320	Max WS	16401.05	2.64	21.61		21.64	0.000014	1.22	13981.73	1014.69	0.05
Hempstead Lake	4131.85*	Max WS	16403.98	2.69	21.61		21.63	0.000083	1.19	13901.53	1008.59	0.05
Hempstead Lake	4110.38*	Max WS	16403.93	2.75	21.61		21.63	0.000084	1.20	13825.03	1003.23	0.05
Hempstead Lake	4088.91*	Max WS	16403.86	2.80	21.61		21.63	0.000085	1.20	13756.31	998.22	0.05
Hempstead Lake	4067.44*	Max WS	16403.78	2.86	21.61		21.63	0.000086	1.21	13691.20	993.84	0.05
Hempstead Lake	4045.97*	Max WS	16403.67	2.91	21.60		21.63	0.000088	1.22	13634.37	989.82	0.05
Hempstead Lake	4024.50*	Max WS	16403.55	2.97	21.60		21.63	0.000088	1.22	13580.89	986.05	0.05
Hempstead Lake	4003.034	Max WS	16403.41	3.02	21.60		21.62	0.000015	1.27	13535.39	982.63	0.05
Hempstead Lake	3984.01*	Max WS	16403.27	3.78	21.60		21.62	0.000117	1.34	12491.43	978.45	0.06
Hempstead Lake	3964.99*	Max WS	16403.09	4.54	21.59		21.62	0.000153	1.46	11471.11	977.84	0.07
Hempstead Lake	3945.97*	Max WS	16402.87	5.30	21.58		21.62	0.000206	1.60	10478.61	998.55	0.08
Hempstead Lake	3926.95*	Max WS	16385.45	6.06	21.57		21.61	0.000282	1.76	9518.48	1019.53	0.09
Hempstead Lake	3907.93*	Max WS	16385.39	6.82	21.55		21.61	0.000399	1.96	8608.32	1086.18	0.10
Hempstead Lake	3888.916	Max WS	16385.23	7.58	21.53		21.60	0.000100	2.27	7723.57	1082.95	0.13
Hempstead Lake	3883.916	Max WS	16387.88	7.20	21.52	14.77	21.60	0.000105	2.31	7610.83	1085.47	0.13
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	16308.83	7.19	21.37		21.47	0.000148	2.59	6895.61	1079.80	0.15
Hempstead Lake	3858.916	Max WS	16308.78	7.17	21.36		21.47	0.000170	2.64	6770.63	1081.23	0.16
Hempstead Lake	3826.579	Max WS	16262.10	6.10	21.31		21.47	0.000312	3.23	5616.01	1084.96	0.21
Hempstead Lake	3821.579	Max WS	16262.08	6.02	21.30		21.47	0.000343	3.32	5481.69	1086.88	0.22
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	16262.08	5.94	21.22		21.38	0.001036	3.33	5620.37	1160.12	0.22
Hempstead Lake	3736.579	Max WS	16237.71	5.88	21.22		21.38	0.000344	3.30	5716.27	1164.18	0.21
Hempstead Lake	3699.46*	Max WS	16237.67	5.83	21.22		21.36	0.000377	3.15	6047.72	1177.22	0.20
Hempstead Lake	3662.35*	Max WS	16237.63	5.78	21.22		21.35	0.000360	3.01	6433.21	1208.86	0.18
Hempstead Lake	3625.24*	Max WS	16237.57	5.74	21.21		21.34	0.000331	2.89	6849.78	1245.03	0.17
Hempstead Lake	3588.13*	Max WS	16237.50	5.69	21.21		21.32	0.000317	2.76	7295.85	1278.30	0.16
Hempstead Lake	3551.028	Max WS	16237.40	5.64	21.21		21.31	0.000237	2.67	7770.23	1304.14	0.15
Hempstead Lake	3531.67*	Max WS	16237.32	5.61	21.20		21.31	0.000359	2.71	7516.56	1307.63	0.15
Hempstead Lake	3512.33*	Max WS	16237.17	5.58	21.19		21.30	0.000371	2.80	7246.25	1305.28	0.16
Hempstead Lake	3492.98*	Max WS	16236.93	5.55	21.17		21.30	0.000380	2.90	6972.55	1290.70	0.17
Hempstead Lake	3473.63*	Max WS	16236.61	5.52	21.16		21.29	0.000386	3.00	6716.07	1246.14	0.17
Hempstead Lake	3454.28*	Max WS	16216.53	5.49	21.14		21.28	0.000391	3.09	6469.22	1234.00	0.18
Hempstead Lake	3434.93*	Max WS	16216.41	5.46	21.13		21.28	0.000383	3.20	6223.96	1221.23	0.19
Hempstead Lake	3415.58*	Max WS	16216.19	5.43	21.11		21.27	0.000383	3.31	5982.32	1209.75	0.19
Hempstead Lake	3396.239	Max WS	16215.90	5.40	21.09		21.26	0.000536	3.39	5752.08	1186.56	0.20
Hempstead Lake	3376.88*	Max WS	16196.64	5.37	21.08		21.26	0.000398	3.44	5724.01	1174.59	0.20
Hempstead Lake	3357.52*	Max WS	16196.58	5.34	21.07		21.25	0.000416	3.45	5705.37	1161.27	0.20
Hempstead Lake	3338.16*	Max WS	16196.48	5.32	21.06		21.24	0.000433	3.47	5686.07	1144.46	0.20
Hempstead Lake	3318.80*	Max WS	16196.34	5.29	21.05		21.23	0.000450	3.49	5671.26	1129.83	0.20
Hempstead Lake	3299.44*	Max WS	16196.17	5.26	21.04		21.22	0.000468	3.51	5655.25	1117.21	0.20
Hempstead Lake	3280.08*	Max WS	16195.96	5.23	21.03		21.22	0.000485	3.53	5642.94	1104.61	0.20
Hempstead Lake	3260.73*	Max WS	16195.72	5.21	21.02		21.21	0.000503	3.55	5628.52	1092.54	0.20
Hempstead Lake	3241.37*	Max WS	16195.43	5.18	21.01		21.20	0.000509	3.57	5615.47	1081.07	0.21
Hempstead Lake	3222.01*	Max WS	16178.32	5.15	21.00		21.19	0.000526	3.59	5604.46	1069.07	0.21
Hempstead Lake	3202.65*	Max WS	16178.29	5.12	20.99		21.18	0.000544	3.61	5592.72	1060.58	0.21
Hempstead Lake	3183.29*	Max WS	16178.22	5.10	20.98		21.17	0.000563	3.63	5580.69	1053.56	0.21
Hempstead Lake	3163.93*	Max WS	16178.10	5.07	20.97		21.16	0.000582	3.66	5567.52	1045.61	0.21
Hempstead Lake	3144.581	Max WS	16177.95	5.04	20.95		21.15	0.000517	3.71	5552.17	1038.91	0.21
Hempstead Lake	3124.73*	Max WS	16177.75	5.01	20.94		21.14	0.000476	3.72	5560.63	1042.05	0.21
Hempstead Lake	3104.89*	Max WS	16177.51	4.98	20.93		21.13	0.000473	3.72	5570.83	1045.08	0.21

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

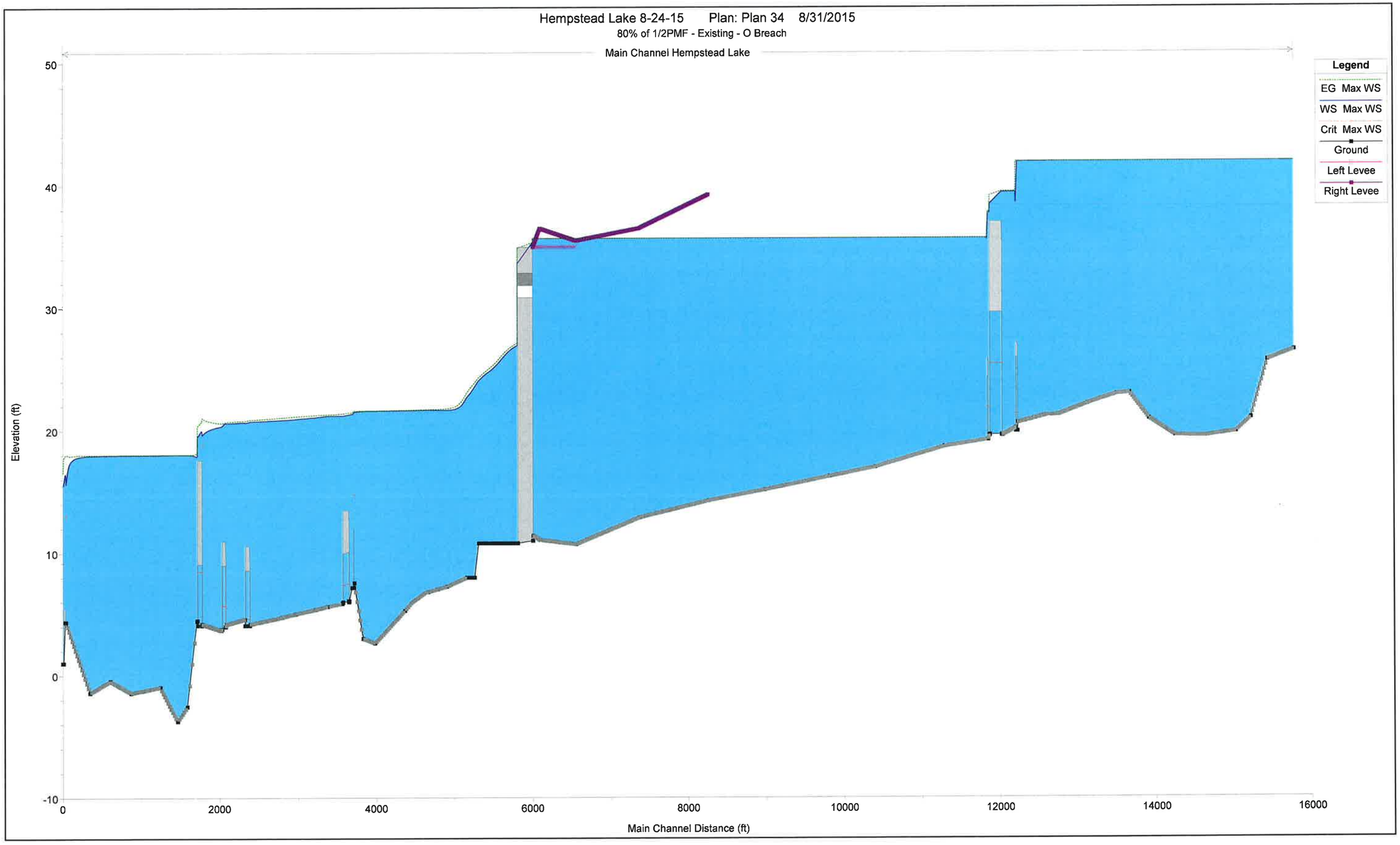
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	16177.25	4.95	20.92		21.12	0.000470	3.71	5581.92	1051.81	0.21
Hempstead Lake	3065.2*	Max WS	16176.97	4.92	20.91		21.11	0.000468	3.71	5591.19	1059.21	0.21
Hempstead Lake	3045.35*	Max WS	16162.05	4.88	20.90		21.10	0.000447	3.71	5605.87	1104.78	0.21
Hempstead Lake	3025.51*	Max WS	16162.02	4.85	20.89		21.09	0.000444	3.71	5630.71	1134.09	0.21
Hempstead Lake	3005.66*	Max WS	16161.98	4.82	20.89		21.08	0.000440	3.70	5663.72	1160.30	0.21
Hempstead Lake	2985.81*	Max WS	16161.91	4.79	20.88		21.08	0.000421	3.70	5701.63	1264.24	0.21
Hempstead Lake	2965.974	Max WS	16161.83	4.76	20.87		21.07	0.000477	3.67	5761.53	1300.80	0.21
Hempstead Lake	2951.87*	Max WS	16161.77	4.74	20.87		21.06	0.000531	3.62	5807.74	1310.76	0.20
Hempstead Lake	2937.77*	Max WS	16161.71	4.72	20.87		21.05	0.000523	3.60	5848.84	1321.87	0.20
Hempstead Lake	2923.67*	Max WS	16161.64	4.70	20.86		21.04	0.000515	3.57	5893.77	1325.27	0.20
Hempstead Lake	2909.57*	Max WS	16161.56	4.68	20.86		21.03	0.000506	3.54	5936.36	1328.04	0.20
Hempstead Lake	2895.47*	Max WS	16161.48	4.66	20.85		21.03	0.000498	3.51	5980.32	1330.74	0.20
Hempstead Lake	2881.37*	Max WS	16161.40	4.64	20.85		21.02	0.000489	3.48	6023.65	1334.05	0.20
Hempstead Lake	2867.27*	Max WS	16161.31	4.62	20.84		21.01	0.000483	3.45	6068.66	1335.65	0.19
Hempstead Lake	2853.17*	Max WS	16161.21	4.61	20.84		21.00	0.000474	3.43	6112.90	1340.35	0.19
Hempstead Lake	2839.07*	Max WS	16161.12	4.59	20.83		21.00	0.000467	3.40	6158.27	1343.37	0.19
Hempstead Lake	2824.98*	Max WS	16161.01	4.57	20.83		20.99	0.000460	3.37	6201.88	1347.46	0.19
Hempstead Lake	2810.88*	Max WS	16160.90	4.55	20.82		20.98	0.000451	3.35	6247.45	1352.62	0.19
Hempstead Lake	2796.78*	Max WS	16160.79	4.53	20.82		20.98	0.000446	3.32	6292.24	1356.29	0.19
Hempstead Lake	2782.68*	Max WS	16160.67	4.51	20.81		20.97	0.000437	3.29	6336.84	1358.51	0.19
Hempstead Lake	2768.58*	Max WS	16160.55	4.49	20.81		20.96	0.000430	3.27	6381.78	1361.26	0.18
Hempstead Lake	2754.48*	Max WS	16160.42	4.47	20.81		20.96	0.000422	3.24	6426.67	1363.86	0.18
Hempstead Lake	2740.38*	Max WS	16160.30	4.45	20.80		20.95	0.000415	3.22	6470.39	1368.43	0.18
Hempstead Lake	2726.28*	Max WS	16160.17	4.43	20.80		20.94	0.000409	3.19	6516.20	1372.51	0.18
Hempstead Lake	2712.18*	Max WS	16160.04	4.41	20.79		20.94	0.000402	3.17	6558.56	1374.71	0.18
Hempstead Lake	2698.08*	Max WS	16159.90	4.39	20.79		20.93	0.000394	3.15	6601.88	1376.80	0.18
Hempstead Lake	2683.98*	Max WS	16159.76	4.37	20.78		20.92	0.000388	3.13	6642.88	1384.38	0.18
Hempstead Lake	2669.88*	Max WS	16159.61	4.35	20.78		20.92	0.000382	3.10	6686.85	1393.34	0.17
Hempstead Lake	2655.78*	Max WS	16159.46	4.34	20.78		20.91	0.000376	3.08	6727.39	1389.79	0.17
Hempstead Lake	2641.68*	Max WS	16159.31	4.32	20.77		20.91	0.000369	3.06	6765.93	1384.48	0.17
Hempstead Lake	2627.58*	Max WS	16159.15	4.30	20.77		20.90	0.000363	3.04	6804.17	1458.13	0.17
Hempstead Lake	2613.48*	Max WS	16158.99	4.28	20.77		20.90	0.000358	3.03	6847.71	1446.44	0.17
Hempstead Lake	2599.38*	Max WS	16158.82	4.26	20.76		20.89	0.000350	3.00	6883.75	1412.94	0.17
Hempstead Lake	2585.29*	Max WS	16158.65	4.24	20.76		20.89	0.000345	2.98	6915.48	1370.04	0.17
Hempstead Lake	2571.19*	Max WS	16158.49	4.22	20.76		20.88	0.000337	2.95	6938.21	1326.49	0.17
Hempstead Lake	2557.091	Max WS	16158.33	4.20	20.76		20.87	0.000745	2.80	6964.71	1282.93	0.16
Hempstead Lake	2552.091	Max WS	16158.27	4.09	20.72		20.87	0.001682	3.29	5870.97	1282.93	0.20
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	16158.27	4.09	20.67		20.81	0.001638	3.20	5964.76	1282.93	0.20
Hempstead Lake	2487.091	Max WS	16158.20	4.60	20.70		20.79	0.000638	2.62	7319.24	1282.93	0.15
Hempstead Lake	2477.12*	Max WS	16158.03	4.58	20.68		20.79	0.000290	2.75	7338.28	1295.08	0.15
Hempstead Lake	2467.14*	Max WS	16157.85	4.57	20.68		20.79	0.000295	2.77	7377.86	1307.22	0.15
Hempstead Lake	2457.17*	Max WS	16157.67	4.55	20.68		20.79	0.000300	2.79	7419.49	1319.37	0.15
Hempstead Lake	2447.20*	Max WS	16157.49	4.53	20.67		20.78	0.000304	2.81	7465.76	1331.51	0.15
Hempstead Lake	2437.23*	Max WS	16157.30	4.51	20.68		20.78	0.000487	2.74	7525.48	1343.66	0.15
Hempstead Lake	2427.26*	Max WS	16157.11	4.50	20.67		20.77	0.000483	2.76	7577.48	1355.81	0.15
Hempstead Lake	2417.29*	Max WS	16156.91	4.48	20.67		20.77	0.000476	2.77	7635.31	1341.65	0.15
Hempstead Lake	2407.32*	Max WS	16156.71	4.46	20.65		20.77	0.000319	2.88	7691.79	1346.38	0.16
Hempstead Lake	2397.35*	Max WS	16156.50	4.44	20.65		20.76	0.000322	2.90	7762.66	1352.77	0.16
Hempstead Lake	2387.37*	Max WS	16156.29	4.43	20.65		20.76	0.000323	2.92	7840.80	1359.84	0.16
Hempstead Lake	2377.40*	Max WS	16156.08	4.41	20.64		20.76	0.000323	2.93	7923.49	1367.15	0.16
Hempstead Lake	2367.43*	Max WS	16152.63	4.39	20.64		20.75	0.000326	2.95	8010.63	1374.82	0.16
Hempstead Lake	2357.46*	Max WS	16152.62	4.37	20.64		20.75	0.000323	2.95	8103.40	1352.71	0.16
Hempstead Lake	2347.49*	Max WS	16152.61	4.36	20.64		20.75	0.000321	2.96	8201.59	1359.08	0.16
Hempstead Lake	2337.52*	Max WS	16152.60	4.34	20.63		20.74	0.000319	2.97	8304.42	1365.43	0.16
Hempstead Lake	2327.55*	Max WS	16152.59	4.32	20.63		20.74	0.000317	2.99	8412.64	1372.02	0.16
Hempstead Lake	2317.58*	Max WS	16152.58	4.30	20.63		20.74	0.000314	3.00	8526.67	1378.71	0.16
Hempstead Lake	2307.60*	Max WS	16152.57	4.29	20.63		20.73	0.000311	3.01	8646.05	1385.47	0.16
Hempstead Lake	2297.63*	Max WS	16152.55	4.27	20.63		20.73	0.000306	3.02	8768.90	1392.32	0.16
Hempstead Lake	2287.66*	Max WS	16152.53	4.25	20.62		20.72	0.000302	3.03	8895.53	1399.24	0.16
Hempstead Lake	2277.69*	Max WS	16152.51	4.23	20.62		20.72	0.000297	3.04	9028.80	1406.21	0.16
Hempstead Lake	2267.72*	Max WS	16152.49	4.22	20.62		20.72	0.000291	3.05	9167.24	1413.23	0.16
Hempstead Lake	2257.752	Max WS	16152.47	4.20	20.64		20.70	0.000446	2.56	9334.35	1421.00	0.13
Hempstead Lake	2252.75*	Max WS	16152.45	4.10	20.62		20.70	0.000386	2.90	9231.16	1409.06	0.15
Hempstead Lake	2247.752	Max WS	16152.44	4.00	20.63		20.70	0.000474	2.76	9148.69	1399.86	0.14
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	16152.44	3.80	20.37		20.60	0.000729	5.24	6809.24	1294.88	0.27
Hempstead Lake	2192.75*	Max WS	16152.40	3.75	20.37		20.59	0.000531	5.08	7260.07	1252.34	0.25
Hempstead Lake	2187.752	Max WS	16152.36	3.70	20.35		20.61	0.000421	5.42	7528.60	1233.91	0.27
Hempstead Lake	2178.63*	Max WS	16152.33	3.72	20.34		20.62	0.000444	5.55	7369.56	1236.71	0.27
Hempstead Lake	2169.52*	Max WS	16152.30	3.74	20.33		20.62	0.000470	5.68	7210.58	1252.84	0.28
Hempstead Lake	2160.40*	Max WS	16152.27	3.76	20.32		20.63	0.000504	5.85	7055.06	1280.16	0.29
Hempstead Lake	2151.29*	Max WS	16152.23	3.78	20.30		20.64	0.000533	6.00	6901.96	1291.40	0.30
Hempstead Lake	2142.17*	Max WS	16152.20	3.80	20.29		20.64	0.000564	6.14	6750.97	1300.64	0.31
Hempstead Lake	2133.05*	Max WS	16152.16	3.82	20.28		20.65	0.000597	6.28	6601.43	1311.48	0.32
Hempstead Lake	2123.94*	Max WS	16152.13	3.83	20.26		20.66	0.000632	6.43	6453.83	1323.27	0.32
Hempstead Lake	2114.82*	Max WS	16152.09	3.85	20.25		20.67	0.000671	6.59	6301.28	1353.41	0.33
Hempstead Lake	2105.71*	Max WS	16152.06	3.87	20.23		20.69	0.000728	6.83	6160.93	1356.43	0.35
Hempstead Lake	2096.59*	Max WS	16152.02	3.89	20.21		20.70	0.000770	6.98	6011.31	1351.79	0.36
Hempstead Lake	2087.48*	Max WS	16151.98	3.91	20.19		20.71	0.000815	7.14	5866.27	1347.17	0.37
Hempstead Lake	2078.36*	Max WS	16151.94	3.93	20.17		20.72	0.000863	7.30	5721.41	1342.99	0.38

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	16151.91	3.95	20.16		20.73	0.000914	7.47	5577.00	1339.03	0.39
Hempstead Lake	2060.13*	Max WS	16151.87	3.97	20.13		20.74	0.000971	7.65	5431.02	1334.82	0.40
Hempstead Lake	2051.01*	Max WS	16151.83	3.99	20.11		20.75	0.001033	7.83	5285.02	1331.19	0.41
Hempstead Lake	2041.90*	Max WS	16151.80	4.01	20.09		20.77	0.001103	8.03	5134.62	1327.01	0.42
Hempstead Lake	2032.78*	Max WS	16151.76	4.03	20.06		20.78	0.001178	8.24	4985.50	1323.08	0.44
Hempstead Lake	2023.67*	Max WS	16151.73	4.05	20.03		20.80	0.001262	8.46	4832.47	1319.37	0.45
Hempstead Lake	2014.55*	Max WS	16151.71	4.07	20.00		20.82	0.001352	8.69	4682.34	1313.32	0.47
Hempstead Lake	2005.44*	Max WS	16151.68	4.08	19.96		20.84	0.001455	8.93	4524.25	1301.40	0.48
Hempstead Lake	1996.32*	Max WS	16151.66	4.10	19.93		20.86	0.001567	9.19	4365.94	1288.95	0.50
Hempstead Lake	1987.20*	Max WS	16151.64	4.12	19.88		20.89	0.001697	9.47	4201.33	1275.55	0.52
Hempstead Lake	1978.09*	Max WS	16151.62	4.14	19.83		20.92	0.001845	9.77	4032.28	1261.00	0.54
Hempstead Lake	1968.97*	Max WS	16151.61	4.16	19.78		20.96	0.002022	10.12	3854.74	1247.60	0.56
Hempstead Lake	1959.86*	Max WS	16151.60	4.18	19.71		21.00	0.002232	10.50	3666.76	1233.09	0.59
Hempstead Lake	1950.747	Max WS	16129.76	4.20	19.63	18.90	21.05	0.002481	10.92	3465.80	1213.43	0.62
Hempstead Lake	1945.747	Max WS	16151.72	4.21	20.00		20.71	0.003375	9.52	4291.20	1316.92	0.64
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	14990.43	4.50	17.93		18.13	0.003828	4.19	4374.74	1058.15	0.30
Hempstead Lake	1880.747	Max WS	14990.35	4.45	17.89		18.15	0.000663	4.57	5226.92	1072.09	0.29
Hempstead Lake	1848.83*	Max WS	15019.67	2.70	17.99		18.07	0.000185	2.48	7717.23	1202.17	0.13
Hempstead Lake	1816.92*	Max WS	15043.46	0.95	18.02		18.06	0.000098	1.59	10741.92	1317.56	0.08
Hempstead Lake	1785.01*	Max WS	15042.82	-0.80	18.04		18.06	0.000058	1.12	14366.79	1349.16	0.05
Hempstead Lake	1753.104	Max WS	15042.33	-2.55	18.04		18.05	0.000006	0.85	18707.71	1383.89	0.04
Hempstead Lake	1732.65*	Max WS	15042.05	-2.75	18.04		18.05	0.000037	0.82	18976.60	1422.09	0.03
Hempstead Lake	1712.21*	Max WS	15041.76	-2.95	18.04		18.05	0.000036	0.81	19295.59	1466.59	0.03
Hempstead Lake	1691.76*	Max WS	15041.47	-3.14	18.04		18.05	0.000035	0.81	19665.44	1506.85	0.03
Hempstead Lake	1671.32*	Max WS	15041.18	-3.34	18.04		18.05	0.000034	0.80	20080.36	1539.93	0.03
Hempstead Lake	1650.87*	Max WS	15040.90	-3.54	18.04		18.05	0.000032	0.78	20539.44	1569.54	0.03
Hempstead Lake	1630.434	Max WS	15040.62	-3.74	18.04		18.05	0.000005	0.80	21040.67	1598.41	0.03
Hempstead Lake	1610.36*	Max WS	15040.36	-3.49	18.04		18.05	0.000030	0.80	20409.92	1594.93	0.03
Hempstead Lake	1590.30*	Max WS	15040.11	-3.23	18.04		18.05	0.000030	0.83	19778.55	1589.05	0.03
Hempstead Lake	1570.23*	Max WS	15039.88	-2.98	18.04		18.05	0.000029	0.86	19149.04	1582.57	0.04
Hempstead Lake	1550.17*	Max WS	15039.67	-2.73	18.04		18.05	0.000029	0.90	18521.62	1575.26	0.04
Hempstead Lake	1530.10*	Max WS	15039.47	-2.47	18.04		18.05	0.000028	0.93	17893.98	1566.40	0.04
Hempstead Lake	1510.03*	Max WS	15039.30	-2.22	18.03		18.05	0.000025	0.97	17269.07	1555.87	0.04
Hempstead Lake	1489.97*	Max WS	15039.15	-1.96	18.03		18.05	0.000024	1.01	16648.08	1543.03	0.04
Hempstead Lake	1469.90*	Max WS	15039.04	-1.71	18.03		18.05	0.000022	1.06	16031.71	1526.19	0.05
Hempstead Lake	1449.83*	Max WS	15038.96	-1.46	18.03		18.05	0.000020	1.10	15425.58	1505.54	0.05
Hempstead Lake	1429.77*	Max WS	15038.91	-1.20	18.03		18.05	0.000018	1.15	14823.34	1493.18	0.05
Hempstead Lake	1409.707	Max WS	15049.51	-0.95	18.03		18.05	0.000016	1.19	14229.01	1480.98	0.05
Hempstead Lake	1389.03*	Max WS	15883.28	-0.98	18.02		18.04	0.000018	1.27	14216.80	1474.67	0.06
Hempstead Lake	1368.35*	Max WS	15882.70	-1.00	18.02		18.04	0.000018	1.27	14211.25	1469.18	0.06
Hempstead Lake	1347.67*	Max WS	15882.20	-1.03	18.02		18.04	0.000018	1.28	14204.25	1463.88	0.06
Hempstead Lake	1326.99*	Max WS	15881.76	-1.06	18.02		18.04	0.000018	1.28	14194.57	1458.63	0.06
Hempstead Lake	1306.32*	Max WS	15881.41	-1.08	18.02		18.04	0.000019	1.28	14183.92	1453.46	0.06
Hempstead Lake	1285.64*	Max WS	15881.13	-1.11	18.02		18.04	0.000019	1.28	14172.76	1449.12	0.06
Hempstead Lake	1264.96*	Max WS	15880.92	-1.14	18.02		18.04	0.000019	1.29	14158.75	1444.74	0.06
Hempstead Lake	1244.28*	Max WS	15880.78	-1.16	18.02		18.04	0.000019	1.29	14145.94	1449.35	0.06
Hempstead Lake	1223.61*	Max WS	15880.70	-1.19	18.02		18.04	0.000019	1.29	14135.35	1482.23	0.06
Hempstead Lake	1202.93*	Max WS	15886.84	-1.22	18.02		18.04	0.000019	1.30	14128.49	1521.91	0.06
Hempstead Lake	1182.25*	Max WS	15886.14	-1.24	18.02		18.04	0.000019	1.30	14137.15	1749.81	0.06
Hempstead Lake	1161.57*	Max WS	15885.45	-1.27	18.02		18.04	0.000019	1.31	14169.33	1890.99	0.06
Hempstead Lake	1140.90*	Max WS	15884.86	-1.30	18.02		18.04	0.000019	1.31	14221.53	1915.61	0.06
Hempstead Lake	1120.22*	Max WS	15806.56	-1.32	18.01		18.04	0.000020	1.30	14272.90	1892.35	0.06
Hempstead Lake	1099.54*	Max WS	15806.36	-1.35	18.01		18.04	0.000020	1.31	14318.89	1868.59	0.06
Hempstead Lake	1078.87*	Max WS	15806.12	-1.38	18.01		18.04	0.000020	1.31	14360.61	1844.10	0.06
Hempstead Lake	1058.19*	Max WS	15805.84	-1.40	18.01		18.04	0.000020	1.31	14405.31	1818.48	0.06
Hempstead Lake	1037.515	Max WS	15805.54	-1.43	18.02		18.04	0.000017	1.28	14449.32	1791.92	0.06
Hempstead Lake	1017.08*	Max WS	15810.05	-1.35	18.01		18.04	0.000021	1.30	14417.72	1800.61	0.06
Hempstead Lake	996.645*	Max WS	15809.71	-1.28	18.01		18.04	0.000026	1.30	14387.41	1809.87	0.06
Hempstead Lake	976.210*	Max WS	15809.36	-1.20	18.01		18.04	0.000030	1.30	14356.32	1820.87	0.06
Hempstead Lake	955.775*	Max WS	15809.02	-1.13	18.01		18.04	0.000036	1.30	14325.15	1831.31	0.06
Hempstead Lake	935.340*	Max WS	15808.71	-1.05	18.01		18.04	0.000040	1.30	14292.11	1838.41	0.06
Hempstead Lake	914.905*	Max WS	15808.43	-0.98	18.01		18.04	0.000046	1.29	14258.95	1844.88	0.06
Hempstead Lake	894.471*	Max WS	15808.19	-0.90	18.01		18.03	0.000051	1.29	14223.88	1871.74	0.06
Hempstead Lake	874.036*	Max WS	15808.01	-0.83	18.01		18.03	0.000058	1.29	14195.39	1929.67	0.06
Hempstead Lake	853.601*	Max WS	15807.89	-0.75	18.01		18.03	0.000064	1.28	14172.35	1966.01	0.05
Hempstead Lake	833.166*	Max WS	15822.04	-0.68	18.01		18.03	0.000071	1.28	14151.18	1985.37	0.05
Hempstead Lake	812.731*	Max WS	15820.77	-0.60	18.01		18.03	0.000076	1.27	14129.81	1994.01	0.05
Hempstead Lake	792.296*	Max WS	15819.54	-0.53	18.01		18.03	0.000083	1.26	14108.52	2001.93	0.05
Hempstead Lake	771.862	Max WS	15818.36	-0.45	18.00		18.03	0.000017	1.36	14079.74	2008.49	0.06
Hempstead Lake	750.331*	Max WS	15819.47	-0.53	18.00		18.03	0.000088	1.31	13777.00	2029.12	0.06
Hempstead Lake	728.8*	Max WS	15818.39	-0.61	18.00		18.02	0.000089	1.36	13470.23	2049.76	0.06
Hempstead Lake	707.269*	Max WS	15817.44	-0.69	18.00		18.02	0.000086	1.41	13168.42	2070.64	0.06
Hempstead Lake	685.738*	Max WS	15816.64	-0.77	17.99		18.02	0.000083	1.46	12869.44	2091.41	0.06
Hempstead Lake	664.207*	Max WS	15816.02	-0.85	17.99		18.02	0.000078	1.50	12574.50	2112.56	0.07
Hempstead Lake	642.676*	Max WS	15815.63	-0.93	17.98		18.02	0.000075	1.55	12285.99	2133.68	0.07
Hempstead Lake	621.145*	Max WS	15820.48	-1.02	17.98		18.02	0.000069	1.60	11999.26	2155.15	0.07
Hempstead Lake	599.614*	Max WS	15818.46	-1.10	17.98		18.02	0.000062	1.64	11718.25	2176.68	0.07
Hempstead Lake	578.083*	Max WS	15816.65	-1.18	17.97		18.02	0.000054	1.67	11442.26	2199.07	0.08
Hempstead Lake	556.552*	Max WS	15815.11	-1.26	17.97		18.01	0.000049	1.71	11171.44	2221.14	0.08
Hempstead Lake	535.021*	Max WS	15813.89	-1.34	17.97		18.01	0.000041	1.73	10905.16	2242.01	0.08

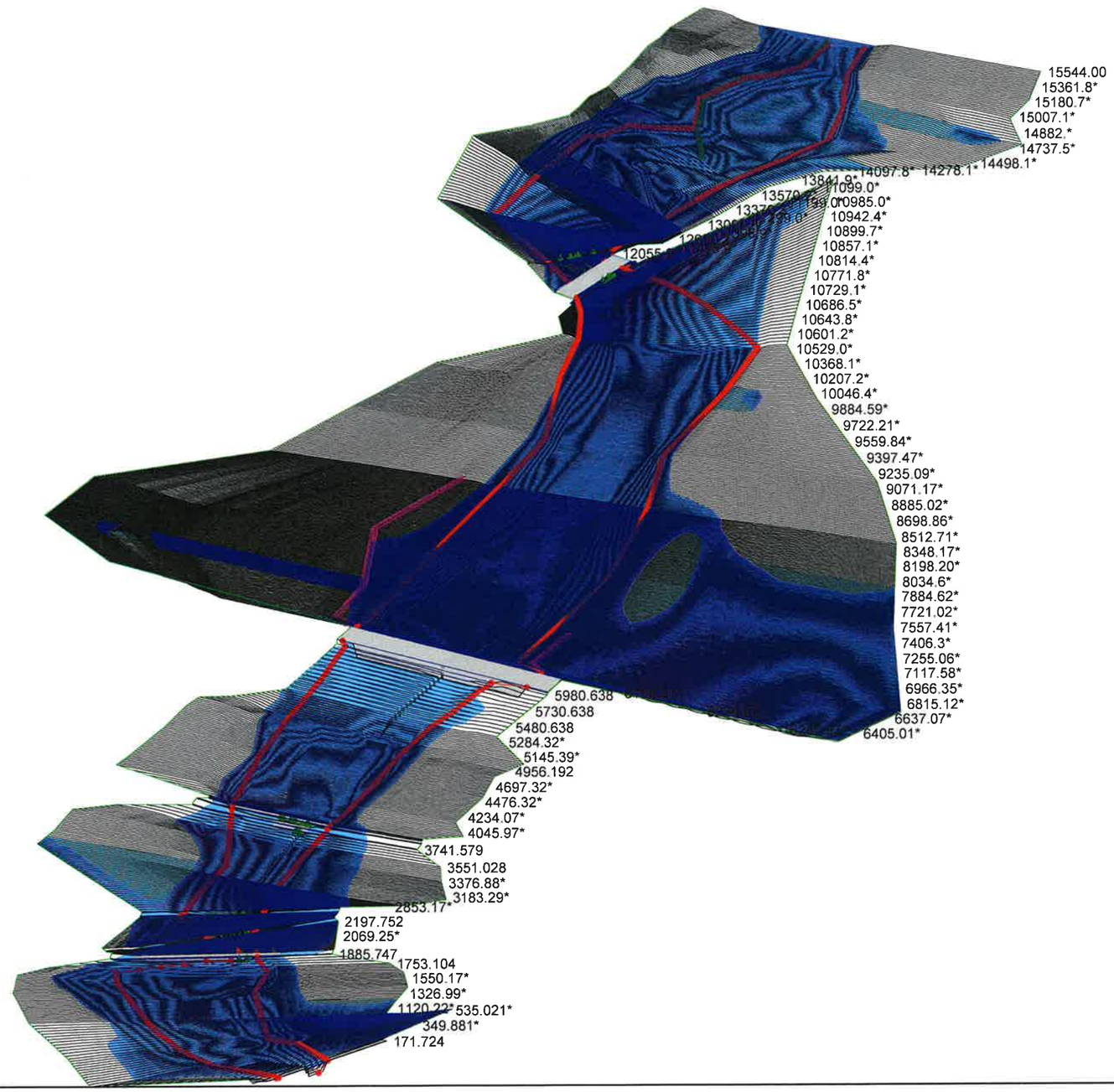
HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	15813.06	-1.42	17.97		18.01	0.000032	1.74	10646.80	2262.89	0.08
Hempstead Lake	493.038*	Max WS	15816.40	-1.03	17.96		18.01	0.000073	1.87	9919.65	2163.34	0.09
Hempstead Lake	472.587*	Max WS	15816.17	-0.65	17.95		18.01	0.000095	2.00	9220.38	2061.65	0.10
Hempstead Lake	452.136*	Max WS	15814.41	-0.26	17.94		18.01	0.000124	2.15	8541.71	1960.42	0.11
Hempstead Lake	431.685*	Max WS	15813.14	0.12	17.93		18.01	0.000163	2.32	7891.13	1831.81	0.12
Hempstead Lake	411.234*	Max WS	15812.38	0.51	17.91		18.01	0.000209	2.52	7265.09	1725.45	0.13
Hempstead Lake	390.783*	Max WS	15811.13	0.90	17.89		18.01	0.000276	2.74	6653.88	1631.55	0.15
Hempstead Lake	370.332*	Max WS	15809.06	1.28	17.87		18.00	0.000367	3.00	6058.33	1544.60	0.17
Hempstead Lake	349.881*	Max WS	15807.60	1.67	17.83		18.00	0.000490	3.32	5470.69	1462.27	0.19
Hempstead Lake	329.430*	Max WS	15806.86	2.05	17.78		17.99	0.000666	3.69	4891.07	1382.17	0.22
Hempstead Lake	308.979*	Max WS	15806.85	2.44	17.72		17.98	0.000907	4.16	4308.13	1303.81	0.26
Hempstead Lake	288.528*	Max WS	15804.77	2.83	17.62		17.97	0.001255	4.77	3714.91	1226.94	0.32
Hempstead Lake	268.077*	Max WS	15803.76	3.21	17.46		17.95	0.001785	5.62	3087.29	1150.58	0.40
Hempstead Lake	247.626*	Max WS	15799.81	3.60	17.20		17.94	0.002664	6.90	2384.71	1073.80	0.53
Hempstead Lake	227.175*	Max WS	15793.29	3.98	16.63		18.02	0.004235	9.45	1671.91	426.75	0.84
Hempstead Lake	206.724	Max WS	14997.62	4.37	15.63		17.99	0.003928	12.33	1215.92	149.87	0.76
Hempstead Lake	201.724	Max WS	15473.12	4.37	16.48	13.09	18.01	0.002253	9.92	1560.14	172.22	0.58
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	16031.93	1.00	15.56		16.60	0.000999	8.52	1973.27	157.99	0.41
Hempstead Lake	166.724	Max WS	16029.73	1.00	15.56	9.21	16.60	0.001000	8.52	1972.31	157.97	0.41


Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015
80% of 1/2PMF - Existing - O Breach
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
50
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

80% of 1/2PMF - Existing - O Breach



Legend

- WS Max WS
- Ground
- Ineff
- Bank Sta
- Ground
- Levee

80% Existing Half PMF Non-Breach 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	5644.99	26.48	41.92		41.93	0.000012	0.95	7226.36	805.97	0.05
Hempstead Lake	15523.7*	Max WS	5644.96	26.43	41.92		41.93	0.000062	0.90	7240.59	796.86	0.04
Hempstead Lake	15503.5*	Max WS	5644.94	26.38	41.92		41.93	0.000058	0.89	7252.22	790.21	0.04
Hempstead Lake	15483.3*	Max WS	5644.90	26.34	41.92		41.93	0.000053	0.89	7261.04	786.16	0.04
Hempstead Lake	15463.0*	Max WS	5644.85	26.29	41.92		41.93	0.000048	0.89	7266.93	781.85	0.04
Hempstead Lake	15442.8*	Max WS	5644.80	26.24	41.92		41.93	0.000045	0.89	7271.80	774.34	0.04
Hempstead Lake	15422.5*	Max WS	5644.74	26.19	41.92		41.93	0.000040	0.89	7275.68	766.35	0.04
Hempstead Lake	15402.3*	Max WS	5636.76	26.15	41.92		41.93	0.000036	0.89	7276.52	755.05	0.04
Hempstead Lake	15382.1*	Max WS	5644.61	26.10	41.92		41.93	0.000033	0.88	7278.50	739.19	0.04
Hempstead Lake	15361.8*	Max WS	5636.74	26.05	41.92		41.93	0.000029	0.87	7280.05	730.61	0.04
Hempstead Lake	15341.6*	Max WS	5636.72	26.00	41.92		41.93	0.000027	0.87	7279.68	728.05	0.04
Hempstead Lake	15321.4*	Max WS	5636.69	25.96	41.92		41.93	0.000024	0.87	7276.46	728.31	0.04
Hempstead Lake	15301.1*	Max WS	5636.66	25.91	41.91		41.92	0.000021	0.88	7269.72	729.16	0.04
Hempstead Lake	15280.9*	Max WS	5636.62	25.86	41.91		41.92	0.000019	0.88	7260.34	729.63	0.04
Hempstead Lake	15260.7*	Max WS	5636.58	25.81	41.91		41.92	0.000017	0.88	7247.81	729.53	0.04
Hempstead Lake	15240.4*	Max WS	5636.54	25.77	41.91		41.92	0.000015	0.88	7232.35	728.88	0.04
Hempstead Lake	15220.2*	Max WS	5636.49	25.72	41.91		41.92	0.000013	0.88	7213.80	727.48	0.04
Hempstead Lake	15200.02	Max WS	5628.98	25.67	41.91		41.92	0.000011	0.88	7194.22	725.17	0.04
Hempstead Lake	15180.7*	Max WS	5628.97	25.24	41.91		41.92	0.000012	0.84	7601.12	756.29	0.04
Hempstead Lake	15161.4*	Max WS	5636.33	24.82	41.92		41.92	0.000013	0.80	8031.17	785.09	0.04
Hempstead Lake	15142.1*	Max WS	5636.27	24.39	41.92		41.92	0.000014	0.75	8482.84	810.22	0.04
Hempstead Lake	15122.8*	Max WS	5628.96	23.96	41.92		41.92	0.000014	0.71	8951.44	833.62	0.03
Hempstead Lake	15103.5*	Max WS	5628.95	23.53	41.92		41.92	0.000014	0.67	9437.62	856.82	0.03
Hempstead Lake	15084.2*	Max WS	5636.08	23.11	41.92		41.92	0.000015	0.63	9941.67	879.43	0.03
Hempstead Lake	15064.9*	Max WS	5636.01	22.68	41.92		41.92	0.000015	0.60	10461.45	900.69	0.03
Hempstead Lake	15045.6*	Max WS	5635.94	22.25	41.92		41.92	0.000014	0.57	10997.30	922.94	0.02
Hempstead Lake	15026.4*	Max WS	5628.92	21.82	41.92		41.92	0.000014	0.54	11549.57	943.82	0.02
Hempstead Lake	15007.1*	Max WS	5628.91	21.40	41.92		41.92	0.000014	0.51	12115.56	963.48	0.02
Hempstead Lake	14987.82	Max WS	5628.89	20.97	41.92		41.92	0.000002	0.50	12697.46	982.41	0.02
Hempstead Lake	14966.6*	Max WS	5665.93	20.84	41.92		41.92	0.000013	0.48	13019.79	1002.77	0.02
Hempstead Lake	14945.4*	Max WS	5665.90	20.72	41.92		41.92	0.000012	0.47	13347.06	1022.92	0.02
Hempstead Lake	14924.3*	Max WS	5665.86	20.59	41.92		41.92	0.000011	0.45	13684.67	1043.03	0.02
Hempstead Lake	14903.1*	Max WS	5665.82	20.46	41.92		41.92	0.000011	0.44	14028.48	1062.68	0.02
Hempstead Lake	14882.*	Max WS	5665.76	20.34	41.92		41.92	0.000010	0.43	14381.70	1082.14	0.02
Hempstead Lake	14860.8*	Max WS	5665.71	20.21	41.92		41.92	0.000009	0.42	14742.54	1100.77	0.02
Hempstead Lake	14839.6*	Max WS	5665.63	20.08	41.92		41.92	0.000009	0.40	15185.82	1341.07	0.02
Hempstead Lake	14818.5*	Max WS	5665.55	19.96	41.92		41.92	0.000008	0.39	15798.41	1444.88	0.02
Hempstead Lake	14797.35	Max WS	5665.46	19.83	41.92		41.92	0.000001	0.40	16473.80	1507.89	0.02
Hempstead Lake	14777.4*	Max WS	5659.13	19.81	41.92		41.92	0.000007	0.37	16637.99	1506.01	0.02
Hempstead Lake	14757.4*	Max WS	5665.23	19.80	41.92		41.92	0.000006	0.37	16814.89	1506.79	0.02
Hempstead Lake	14737.5*	Max WS	5659.12	19.78	41.92		41.92	0.000005	0.36	17005.23	1511.45	0.01
Hempstead Lake	14717.5*	Max WS	5659.09	19.76	41.92		41.92	0.000005	0.36	17213.39	1514.02	0.01
Hempstead Lake	14697.6*	Max WS	5659.06	19.74	41.92		41.92	0.000004	0.35	17454.03	1450.40	0.01
Hempstead Lake	14677.6*	Max WS	5659.03	19.73	41.92		41.92	0.000004	0.34	17743.84	1394.44	0.01
Hempstead Lake	14657.7*	Max WS	5658.99	19.71	41.92		41.92	0.000004	0.34	18079.83	1388.47	0.01
Hempstead Lake	14637.7*	Max WS	5658.96	19.69	41.92		41.92	0.000003	0.33	18424.69	1427.22	0.01
Hempstead Lake	14617.8*	Max WS	5658.91	19.67	41.92		41.92	0.000003	0.33	18779.34	1466.97	0.01
Hempstead Lake	14597.8*	Max WS	5658.84	19.65	41.92		41.92	0.000003	0.32	19144.05	1495.55	0.01
Hempstead Lake	14577.9*	Max WS	5658.78	19.64	41.92		41.92	0.000002	0.32	19517.40	1522.35	0.01
Hempstead Lake	14557.9*	Max WS	5658.72	19.62	41.92		41.92	0.000002	0.31	19904.60	1553.20	0.01
Hempstead Lake	14538.0*	Max WS	5658.65	19.60	41.92		41.92	0.000002	0.31	20305.27	1596.85	0.01
Hempstead Lake	14518.0*	Max WS	5658.56	19.58	41.92		41.92	0.000001	0.30	20749.79	1695.33	0.01
Hempstead Lake	14498.1*	Max WS	5658.47	19.57	41.92		41.92	0.000001	0.30	21227.09	1720.57	0.01
Hempstead Lake	14478.1*	Max WS	5658.38	19.55	41.92		41.92	0.000001	0.29	21715.21	1742.47	0.01
Hempstead Lake	14458.2*	Max WS	5658.26	19.53	41.92		41.92	0.000001	0.29	22209.39	1762.58	0.01
Hempstead Lake	14438.2*	Max WS	5658.14	19.51	41.92		41.92	0.000001	0.28	22706.18	1778.12	0.01
Hempstead Lake	14418.3*	Max WS	5658.02	19.50	41.92		41.92	0.000001	0.28	23201.20	1789.50	0.01
Hempstead Lake	14398.37	Max WS	5653.54	19.48	41.92		41.92	0.000001	0.28	23699.13	1799.53	0.01
Hempstead Lake	14378.3*	Max WS	5653.52	19.48	41.92		41.92	0.000001	0.28	23442.22	1778.56	0.01
Hempstead Lake	14358.3*	Max WS	5657.64	19.49	41.92		41.92	0.000001	0.29	23180.41	1757.94	0.01
Hempstead Lake	14338.2*	Max WS	5653.49	19.49	41.92		41.92	0.000001	0.29	22923.81	1737.75	0.01
Hempstead Lake	14318.2*	Max WS	5653.46	19.49	41.92		41.92	0.000001	0.30	22664.81	1718.10	0.01
Hempstead Lake	14298.2*	Max WS	5653.43	19.49	41.92		41.92	0.000001	0.30	22405.84	1698.90	0.01
Hempstead Lake	14278.1*	Max WS	5653.40	19.50	41.92		41.92	0.000001	0.31	22149.12	1680.46	0.01
Hempstead Lake	14258.1*	Max WS	5653.37	19.50	41.92		41.92	0.000001	0.31	21893.53	1662.90	0.01
Hempstead Lake	14238.1*	Max WS	5653.34	19.50	41.92		41.92	0.000001	0.32	21639.93	1646.91	0.01
Hempstead Lake	14218.0*	Max WS	5653.31	19.50	41.92		41.92	0.000001	0.32	21387.97	1633.47	0.01
Hempstead Lake	14198.0*	Max WS	5653.26	19.51	41.92		41.92	0.000001	0.33	21141.96	1621.71	0.01
Hempstead Lake	14178.0*	Max WS	5653.20	19.51	41.92		41.92	0.000001	0.33	20912.69	1704.61	0.01
Hempstead Lake	14157.9*	Max WS	5653.14	19.51	41.92		41.92	0.000001	0.34	20732.80	1721.42	0.01
Hempstead Lake	14137.9*	Max WS	5653.09	19.51	41.92		41.92	0.000001	0.35	20565.33	1726.66	0.01
Hempstead Lake	14117.9*	Max WS	5653.03	19.52	41.92		41.92	0.000001	0.35	20405.21	1733.78	0.01
Hempstead Lake	14097.8*	Max WS	5652.95	19.52	41.92		41.92	0.000001	0.36	20254.86	1753.34	0.01
Hempstead Lake	14077.8*	Max WS	5652.87	19.52	41.92		41.92	0.000001	0.37	20113.49	1757.69	0.01
Hempstead Lake	14057.8*	Max WS	5652.80	19.52	41.92		41.92	0.000001	0.37	19964.80	1719.94	0.01
Hempstead Lake	14037.7*	Max WS	5652.72	19.53	41.92		41.92	0.000001	0.38	19805.58	1681.78	0.02
Hempstead Lake	14017.75	Max WS	5652.64	19.53	41.92		41.92	0.000001	0.38	19630.60	1643.36	0.02
Hempstead Lake	13998.2*	Max WS	5652.56	19.61	41.92		41.92	0.000002	0.37	19497.20	1634.17	0.01
Hempstead Lake	13978.6*	Max WS	5652.49	19.69	41.92		41.92	0.000002	0.36	19360.47	1624.97	0.01
Hempstead Lake	13959.1*	Max WS	5652.42	19.77	41.92		41.92	0.000002	0.36	19218.27	1615.77	0.01
Hempstead Lake	13939.6*	Max WS	5652.34	19.85	41.92		41.92	0.000003	0.36	19071.39	1606.55	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	5652.27	19.94	41.92		41.92	0.000003	0.36	18921.26	1595.32	0.01
Hempstead Lake	13900.5*	Max WS	5652.18	20.02	41.92		41.92	0.000003	0.36	18767.49	1583.13	0.01
Hempstead Lake	13881.*	Max WS	5652.10	20.10	41.92		41.92	0.000003	0.36	18611.62	1571.46	0.02
Hempstead Lake	13861.4*	Max WS	5652.03	20.18	41.92		41.92	0.000003	0.36	18453.46	1560.31	0.02
Hempstead Lake	13841.9*	Max WS	5650.35	20.26	41.92		41.92	0.000003	0.36	18291.15	1546.65	0.02
Hempstead Lake	13822.3*	Max WS	5651.89	20.34	41.92		41.92	0.000003	0.36	18125.16	1534.15	0.02
Hempstead Lake	13802.8*	Max WS	5651.82	20.42	41.92		41.92	0.000003	0.36	17956.39	1523.51	0.02
Hempstead Lake	13783.3*	Max WS	5651.74	20.50	41.92		41.92	0.000003	0.36	17780.42	1514.31	0.02
Hempstead Lake	13763.7*	Max WS	5650.38	20.59	41.92		41.92	0.000003	0.36	17596.80	1506.39	0.02
Hempstead Lake	13744.2*	Max WS	5651.63	20.67	41.92		41.92	0.000003	0.36	17405.08	1499.55	0.02
Hempstead Lake	13724.7*	Max WS	5651.57	20.75	41.92		41.92	0.000003	0.37	17204.80	1493.72	0.02
Hempstead Lake	13705.1*	Max WS	5651.53	20.83	41.92		41.92	0.000003	0.37	16991.52	1488.58	0.02
Hempstead Lake	13685.63	Max WS	5651.48	20.91	41.92		41.92	0.000002	0.38	16769.24	1484.28	0.02
Hempstead Lake	13666.4*	Max WS	5651.43	21.07	41.92		41.92	0.000003	0.36	17261.39	1481.47	0.02
Hempstead Lake	13647.1*	Max WS	5651.39	21.23	41.92		41.92	0.000003	0.35	17680.14	1478.65	0.02
Hempstead Lake	13627.9*	Max WS	5651.34	21.39	41.92		41.92	0.000003	0.35	18024.28	1475.86	0.02
Hempstead Lake	13608.7*	Max WS	5651.30	21.56	41.92		41.92	0.000003	0.34	18292.09	1473.06	0.02
Hempstead Lake	13589.5*	Max WS	5651.26	21.72	41.92		41.92	0.000003	0.34	18487.91	1470.26	0.02
Hempstead Lake	13570.2*	Max WS	5651.22	21.88	41.92		41.92	0.000002	0.34	18608.55	1467.37	0.02
Hempstead Lake	13551.0*	Max WS	5651.20	22.04	41.92		41.92	0.000002	0.33	18655.62	1464.44	0.02
Hempstead Lake	13531.8*	Max WS	5651.18	22.20	41.92		41.92	0.000002	0.34	18627.02	1461.59	0.02
Hempstead Lake	13512.6*	Max WS	5651.16	22.36	41.92		41.92	0.000002	0.34	18523.91	1458.78	0.02
Hempstead Lake	13493.3*	Max WS	5651.86	22.53	41.92		41.92	0.000002	0.34	18347.46	1456.08	0.02
Hempstead Lake	13474.1*	Max WS	5651.82	22.69	41.92		41.92	0.000002	0.35	18095.58	1453.30	0.02
Hempstead Lake	13454.9*	Max WS	5651.77	22.85	41.92		41.92	0.000002	0.36	17770.58	1450.72	0.02
Hempstead Lake	13435.72	Max WS	5652.59	23.01	41.92		41.92	0.000002	0.35	17369.62	1448.38	0.02
Hempstead Lake	13419.3*	Max WS	5651.74	23.00	41.92		41.92	0.000002	0.37	17398.14	1452.28	0.02
Hempstead Lake	13403.0*	Max WS	5651.73	23.00	41.92		41.92	0.000002	0.36	17440.69	1456.18	0.02
Hempstead Lake	13386.6*	Max WS	5651.72	22.99	41.92		41.92	0.000002	0.36	17495.09	1460.06	0.02
Hempstead Lake	13370.3*	Max WS	5652.47	22.98	41.92		41.92	0.000002	0.36	17561.98	1463.90	0.02
Hempstead Lake	13354.*	Max WS	5652.45	22.98	41.92		41.92	0.000002	0.36	17640.76	1467.70	0.02
Hempstead Lake	13337.6*	Max WS	5652.43	22.97	41.92		41.92	0.000002	0.36	17733.25	1471.47	0.02
Hempstead Lake	13321.3*	Max WS	5653.37	22.96	41.92		41.92	0.000002	0.35	17837.91	1475.16	0.02
Hempstead Lake	13304.9*	Max WS	5653.34	22.95	41.92		41.92	0.000002	0.35	17954.28	1478.87	0.02
Hempstead Lake	13288.6*	Max WS	5653.32	22.95	41.92		41.92	0.000002	0.35	18084.11	1482.54	0.02
Hempstead Lake	13272.29	Max WS	5653.30	22.94	41.92		41.92	0.000002	0.35	18225.56	1486.17	0.02
Hempstead Lake	13255.0*	Max WS	5653.29	22.90	41.92		41.92	0.000001	0.34	18495.63	1488.06	0.02
Hempstead Lake	13237.8*	Max WS	5654.34	22.87	41.92		41.92	0.000002	0.34	18755.90	1489.87	0.02
Hempstead Lake	13220.5*	Max WS	5653.27	22.83	41.92		41.92	0.000002	0.33	19009.06	1491.63	0.02
Hempstead Lake	13203.3*	Max WS	5653.27	22.80	41.92		41.92	0.000002	0.33	19251.58	1493.30	0.01
Hempstead Lake	13186.0*	Max WS	5654.20	22.76	41.92		41.92	0.000002	0.32	19485.30	1494.89	0.01
Hempstead Lake	13168.8*	Max WS	5654.17	22.72	41.92		41.92	0.000002	0.32	19710.00	1496.36	0.01
Hempstead Lake	13151.6*	Max WS	5654.14	22.69	41.92		41.92	0.000002	0.31	19925.58	1497.74	0.01
Hempstead Lake	13134.3*	Max WS	5654.12	22.65	41.92		41.92	0.000002	0.31	20132.50	1499.00	0.01
Hempstead Lake	13117.1*	Max WS	5654.10	22.62	41.92		41.92	0.000002	0.31	20331.02	1500.06	0.01
Hempstead Lake	13099.8*	Max WS	5654.08	22.58	41.92		41.92	0.000002	0.30	20520.31	1501.02	0.01
Hempstead Lake	13082.6*	Max WS	5654.06	22.55	41.92		41.92	0.000002	0.30	20699.76	1501.80	0.01
Hempstead Lake	13065.3*	Max WS	5654.05	22.51	41.92		41.92	0.000002	0.30	20872.11	1502.37	0.01
Hempstead Lake	13048.1*	Max WS	5654.03	22.47	41.92		41.92	0.000002	0.29	21035.20	1502.69	0.01
Hempstead Lake	13030.9*	Max WS	5654.01	22.44	41.92		41.92	0.000002	0.29	21187.87	1502.73	0.01
Hempstead Lake	13013.6*	Max WS	5653.99	22.40	41.92		41.92	0.000002	0.29	21333.14	1502.42	0.01
Hempstead Lake	12996.4*	Max WS	5654.60	22.37	41.92		41.92	0.000002	0.29	21470.58	1501.89	0.01
Hempstead Lake	12979.1*	Max WS	5654.54	22.33	41.92		41.92	0.000002	0.29	21596.71	1501.47	0.01
Hempstead Lake	12961.9*	Max WS	5654.48	22.29	41.92		41.92	0.000001	0.28	21717.85	1500.89	0.01
Hempstead Lake	12944.7*	Max WS	5654.42	22.26	41.92		41.92	0.000001	0.28	21828.01	1500.07	0.01
Hempstead Lake	12927.4*	Max WS	5653.95	22.22	41.92		41.92	0.000001	0.28	21930.97	1498.97	0.01
Hempstead Lake	12910.2*	Max WS	5654.30	22.19	41.92		41.92	0.000001	0.28	22025.86	1497.40	0.01
Hempstead Lake	12892.97	Max WS	5653.94	22.15	41.92		41.92	0.000001	0.28	22111.89	1495.49	0.01
Hempstead Lake	12881.0*	Max WS	6616.52	22.12	41.92		41.92	0.000001	0.33	22099.85	1493.46	0.01
Hempstead Lake	12869.1*	Max WS	6618.16	22.09	41.92		41.92	0.000001	0.33	22089.71	1491.21	0.01
Hempstead Lake	12857.1*	Max WS	6618.10	22.06	41.92		41.92	0.000001	0.33	22078.69	1488.49	0.01
Hempstead Lake	12845.2*	Max WS	6618.04	22.03	41.92		41.92	0.000001	0.33	22068.17	1485.57	0.01
Hempstead Lake	12833.3*	Max WS	6617.99	22.00	41.92		41.92	0.000001	0.33	22056.93	1482.26	0.01
Hempstead Lake	12821.4*	Max WS	6616.49	21.97	41.92		41.92	0.000001	0.33	22049.05	1478.40	0.01
Hempstead Lake	12809.4*	Max WS	6617.90	21.94	41.92		41.92	0.000001	0.33	22040.71	1474.18	0.01
Hempstead Lake	12797.5*	Max WS	6616.48	21.92	41.92		41.92	0.000001	0.33	22032.06	1469.41	0.01
Hempstead Lake	12785.6*	Max WS	6617.79	21.89	41.92		41.92	0.000001	0.33	22025.76	1464.39	0.01
Hempstead Lake	12773.7*	Max WS	6616.47	21.86	41.92		41.92	0.000001	0.33	22020.03	1459.77	0.01
Hempstead Lake	12761.7*	Max WS	6617.69	21.83	41.92		41.92	0.000001	0.33	22014.76	1455.21	0.01
Hempstead Lake	12749.8*	Max WS	6617.63	21.80	41.92		41.92	0.000001	0.33	22011.44	1450.36	0.01
Hempstead Lake	12737.9*	Max WS	6617.59	21.77	41.92		41.92	0.000001	0.33	22008.90	1445.43	0.01
Hempstead Lake	12726.0*	Max WS	6616.46	21.74	41.92		41.92	0.000001	0.33	22006.56	1440.12	0.01
Hempstead Lake	12714.0*	Max WS	6617.48	21.71	41.92		41.92	0.000001	0.33	22004.13	1434.86	0.01
Hempstead Lake	12702.1*	Max WS	6616.46	21.68	41.92		41.92	0.000001	0.33	22005.79	1431.14	0.01
Hempstead Lake	12690.2*	Max WS	6617.39	21.65	41.92		41.92	0.000001	0.33	22006.92	1427.29	0.01
Hempstead Lake	12678.3*	Max WS	6617.34	21.62	41.92		41.92	0.000001	0.33	22009.08	1423.64	0.01
Hempstead Lake	12666.3*	Max WS	6616.45	21.59	41.92		41.92	0.000001	0.33	22011.38	1419.84	0.01
Hempstead Lake	12654.4*	Max WS	6616.45	21.56	41.92		41.92	0.000001	0.33	22014.54	1416.16	0.01
Hempstead Lake	12642.5*	Max WS	6617.19	21.53	41.92		41.92	0.000001	0.33	22019.51	1412.95	0.01
Hempstead Lake	12630.6*	Max WS	6617.14	21.50	41.91		41.92	0.000001	0.33	22024.40	1409.51	0.01
Hempstead Lake	12618.6*	Max WS	6617.08	21.47	41.91		41.92	0.000001	0.33	22030.76	1407.31	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	6617.04	21.45	41.91		41.92	0.000001	0.33	22036.65	1405.21	0.01
Hempstead Lake	12594.8*	Max WS	6616.99	21.42	41.91		41.92	0.000001	0.33	22044.53	1403.08	0.01
Hempstead Lake	12582.9*	Max WS	6616.94	21.39	41.91		41.92	0.000001	0.33	22051.90	1400.95	0.01
Hempstead Lake	12570.9*	Max WS	6616.44	21.36	41.91		41.92	0.000001	0.33	22059.23	1398.91	0.01
Hempstead Lake	12559.0*	Max WS	6616.83	21.33	41.91		41.92	0.000001	0.33	22067.53	1396.83	0.01
Hempstead Lake	12547.1*	Max WS	6616.44	21.30	41.91		41.92	0.000001	0.33	22077.22	1394.75	0.01
Hempstead Lake	12535.2*	Max WS	6616.43	21.27	41.91		41.92	0.000001	0.33	22087.76	1392.76	0.01
Hempstead Lake	12523.27	Max WS	6616.69	21.24	41.91		41.92	0.000001	0.33	22097.01	1390.70	0.01
Hempstead Lake	12515.8*	Max WS	7061.58	21.24	41.91		41.92	0.000001	0.35	21926.31	1377.47	0.01
Hempstead Lake	12508.3*	Max WS	7062.39	21.24	41.91		41.92	0.000001	0.36	21756.98	1364.17	0.01
Hempstead Lake	12500.9*	Max WS	7062.36	21.23	41.91		41.92	0.000002	0.36	21588.26	1350.89	0.01
Hempstead Lake	12493.4*	Max WS	7061.58	21.23	41.91		41.92	0.000002	0.36	21419.74	1337.51	0.01
Hempstead Lake	12486.0*	Max WS	7062.31	21.23	41.91		41.92	0.000002	0.36	21253.36	1324.09	0.01
Hempstead Lake	12478.5*	Max WS	7062.28	21.23	41.91		41.92	0.000002	0.36	21086.61	1310.61	0.01
Hempstead Lake	12471.1*	Max WS	7062.25	21.23	41.91		41.92	0.000002	0.36	20920.98	1297.10	0.01
Hempstead Lake	12463.7*	Max WS	7062.22	21.23	41.91		41.92	0.000003	0.36	20756.18	1283.47	0.01
Hempstead Lake	12456.2*	Max WS	7062.20	21.22	41.91		41.92	0.000003	0.36	20592.65	1269.80	0.01
Hempstead Lake	12448.8*	Max WS	7062.17	21.22	41.91		41.92	0.000003	0.37	20428.83	1255.90	0.01
Hempstead Lake	12441.3*	Max WS	7062.14	21.22	41.91		41.92	0.000003	0.37	20265.89	1241.96	0.01
Hempstead Lake	12433.9*	Max WS	7061.58	21.22	41.91		41.92	0.000004	0.37	20104.02	1227.83	0.01
Hempstead Lake	12426.4*	Max WS	7062.10	21.22	41.91		41.92	0.000004	0.37	19944.87	1213.51	0.01
Hempstead Lake	12419.0*	Max WS	7062.07	21.21	41.91		41.92	0.000004	0.37	19784.47	1198.76	0.01
Hempstead Lake	12411.5*	Max WS	7062.05	21.21	41.91		41.92	0.000005	0.37	19626.44	1182.68	0.02
Hempstead Lake	12404.1*	Max WS	7062.03	21.21	41.91		41.92	0.000005	0.38	19469.37	1168.35	0.02
Hempstead Lake	12396.6*	Max WS	7062.01	21.21	41.91		41.92	0.000005	0.38	19313.10	1154.13	0.02
Hempstead Lake	12389.2*	Max WS	7061.57	21.21	41.91		41.92	0.000006	0.38	19158.71	1139.54	0.02
Hempstead Lake	12381.8*	Max WS	7061.57	21.21	41.91		41.92	0.000006	0.38	19004.83	1124.33	0.02
Hempstead Lake	12374.3*	Max WS	7061.94	21.20	41.91		41.92	0.000007	0.38	18852.18	1108.82	0.02
Hempstead Lake	12366.9*	Max WS	7061.57	21.20	41.91		41.92	0.000007	0.38	18701.59	1092.81	0.02
Hempstead Lake	12359.46	Max WS	7061.89	21.20	41.91		41.92	0.000001	0.40	18552.33	1076.32	0.02
Hempstead Lake	12350.7*	Max WS	7353.79	21.19	41.91		41.92	0.000008	0.41	18236.64	1063.13	0.02
Hempstead Lake	12342.0*	Max WS	7353.76	21.17	41.91		41.92	0.000008	0.42	17924.38	1049.97	0.02
Hempstead Lake	12333.3*	Max WS	7353.73	21.16	41.91		41.92	0.000009	0.42	17611.33	1036.74	0.02
Hempstead Lake	12324.7*	Max WS	7353.71	21.14	41.91		41.92	0.000009	0.43	17300.76	1023.44	0.02
Hempstead Lake	12316.0*	Max WS	7353.68	21.13	41.91		41.92	0.000009	0.44	16993.69	1010.26	0.02
Hempstead Lake	12307.3*	Max WS	7353.65	21.11	41.91		41.92	0.000009	0.45	16687.98	996.91	0.02
Hempstead Lake	12298.6*	Max WS	7353.06	21.10	41.91		41.92	0.000010	0.46	16383.58	983.64	0.02
Hempstead Lake	12289.9*	Max WS	7353.60	21.09	41.91		41.92	0.000010	0.47	16081.79	970.40	0.02
Hempstead Lake	12281.2*	Max WS	7353.05	21.07	41.91		41.91	0.000010	0.48	15782.53	956.98	0.02
Hempstead Lake	12272.5*	Max WS	7353.05	21.06	41.91		41.91	0.000010	0.49	15484.06	943.28	0.02
Hempstead Lake	12263.8*	Max WS	7353.05	21.04	41.91		41.91	0.000011	0.50	15187.45	929.45	0.02
Hempstead Lake	12255.1*	Max WS	7353.05	21.03	41.91		41.91	0.000011	0.51	14892.73	915.65	0.02
Hempstead Lake	12246.4*	Max WS	7353.04	21.01	41.91		41.91	0.000011	0.52	14601.30	906.28	0.02
Hempstead Lake	12237.7*	Max WS	7353.04	21.00	41.91		41.91	0.000012	0.53	14311.72	894.84	0.02
Hempstead Lake	12229.1*	Max WS	7353.43	20.99	41.91		41.91	0.000012	0.54	14024.08	883.29	0.02
Hempstead Lake	12220.4*	Max WS	7353.40	20.97	41.91		41.91	0.000012	0.55	13737.74	871.52	0.02
Hempstead Lake	12211.7*	Max WS	7353.37	20.96	41.91		41.91	0.000013	0.56	13454.71	859.69	0.02
Hempstead Lake	12203.0*	Max WS	7353.35	20.94	41.91		41.91	0.000013	0.58	13172.96	847.59	0.02
Hempstead Lake	12194.3*	Max WS	7353.03	20.93	41.91		41.91	0.000014	0.59	12893.42	835.34	0.02
Hempstead Lake	12185.6*	Max WS	7353.31	20.91	41.91		41.91	0.000014	0.60	12616.43	823.07	0.03
Hempstead Lake	12176.9*	Max WS	7353.28	20.90	41.91		41.91	0.000015	0.62	12340.77	810.50	0.03
Hempstead Lake	12168.2*	Max WS	7353.26	20.89	41.91		41.91	0.000015	0.63	12067.29	797.95	0.03
Hempstead Lake	12159.5*	Max WS	7353.24	20.87	41.91		41.91	0.000015	0.65	11795.87	785.08	0.03
Hempstead Lake	12150.8*	Max WS	7353.03	20.86	41.91		41.91	0.000016	0.66	11525.84	772.06	0.03
Hempstead Lake	12142.1*	Max WS	7353.02	20.84	41.91		41.91	0.000014	0.68	11257.95	759.09	0.03
Hempstead Lake	12133.5*	Max WS	7353.17	20.83	41.91		41.91	0.000014	0.70	10992.30	745.79	0.03
Hempstead Lake	12124.8*	Max WS	7353.02	20.81	41.91		41.91	0.000015	0.72	10728.52	732.67	0.03
Hempstead Lake	12116.1*	Max WS	7353.01	20.80	41.90		41.91	0.000015	0.74	10465.81	719.29	0.03
Hempstead Lake	12107.4*	Max WS	7353.01	20.79	41.90		41.91	0.000016	0.76	10204.97	706.02	0.03
Hempstead Lake	12098.7*	Max WS	7353.10	20.77	41.90		41.91	0.000016	0.78	9946.55	692.34	0.03
Hempstead Lake	12090.0*	Max WS	7353.08	20.76	41.90		41.91	0.000016	0.80	9689.51	678.48	0.03
Hempstead Lake	12081.3*	Max WS	7353.00	20.74	41.90		41.91	0.000017	0.82	9434.68	664.71	0.04
Hempstead Lake	12072.6*	Max WS	7353.00	20.73	41.90		41.91	0.000017	0.85	9180.37	650.66	0.04
Hempstead Lake	12063.9*	Max WS	7353.02	20.71	41.90		41.91	0.000018	0.87	8928.46	636.64	0.04
Hempstead Lake	12055.2*	Max WS	7353.00	20.70	41.90		41.91	0.000018	0.90	8678.81	622.37	0.04
Hempstead Lake	12046.5*	Max WS	7352.99	20.69	41.90		41.91	0.000018	0.93	8429.58	608.01	0.04
Hempstead Lake	12037.9*	Max WS	7352.97	20.67	41.90		41.91	0.000019	0.96	8183.53	593.62	0.04
Hempstead Lake	12029.2*	Max WS	7352.99	20.66	41.90		41.91	0.000019	0.99	7937.63	578.92	0.04
Hempstead Lake	12020.5*	Max WS	7352.93	20.64	41.90		41.91	0.000020	1.03	7693.98	564.28	0.05
Hempstead Lake	12011.8*	Max WS	7352.99	20.63	41.89		41.91	0.000020	1.06	7451.79	549.46	0.05
Hempstead Lake	12003.1*	Max WS	7352.99	20.61	41.89		41.91	0.000021	1.10	7210.85	534.53	0.05
Hempstead Lake	11994.45	Max WS	7352.89	20.60	41.89		41.91	0.000057	1.12	6972.02	519.51	0.05
Hempstead Lake	11989.45	Max WS	7404.79	19.90	41.89		41.91	0.000066	1.18	6654.32	518.89	0.05
Hempstead Lake	11979.45		Culvert									
Hempstead Lake	11969.45	Max WS	6487.32	19.90	38.53		40.52	0.001530	11.32	573.00	462.21	0.50
Hempstead Lake	11964.45	Max WS	7404.76	20.15	39.43		39.47	0.000138	1.52	5157.83	476.31	0.08
Hempstead Lake	11954.6*	Max WS	7404.76	20.12	39.43		39.47	0.000053	1.58	5092.08	483.57	0.08
Hempstead Lake	11944.8*	Max WS	7404.70	20.08	39.43		39.47	0.000057	1.60	5030.10	491.63	0.08
Hempstead Lake	11934.9*	Max WS	7404.70	20.05	39.43		39.47	0.000061	1.63	4971.68	500.90	0.08
Hempstead Lake	11925.1*	Max WS	7404.76	20.01	39.42		39.47	0.000066	1.65	4918.61	512.11	0.09
Hempstead Lake	11915.3*	Max WS	7404.75	19.98	39.42		39.46	0.000107	1.66	4871.34	524.63	0.09

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11905.5*	Max WS	7404.75	19.94	39.42		39.46	0.000111	1.69	4829.90	536.57	0.09
Hempstead Lake	11895.6*	Max WS	7404.75	19.91	39.42		39.46	0.000116	1.71	4794.31	548.80	0.09
Hempstead Lake	11885.8*	Max WS	7404.75	19.87	39.42		39.46	0.000120	1.73	4765.35	560.81	0.09
Hempstead Lake	11876.0*	Max WS	7404.74	19.84	39.42		39.46	0.000125	1.76	4744.02	573.76	0.10
Hempstead Lake	11866.2*	Max WS	7404.66	19.80	39.41		39.46	0.000130	1.78	4729.13	586.43	0.10
Hempstead Lake	11856.4*	Max WS	7404.65	19.77	39.41		39.46	0.000134	1.80	4722.53	599.96	0.10
Hempstead Lake	11846.5*	Max WS	7404.74	19.73	39.41		39.46	0.000139	1.82	4723.38	606.16	0.10
Hempstead Lake	11836.7*	Max WS	7404.73	19.70	39.41		39.46	0.000143	1.83	4725.41	607.82	0.10
Hempstead Lake	11826.9*	Max WS	7404.73	19.66	39.41		39.46	0.000114	1.87	4728.34	609.47	0.11
Hempstead Lake	11817.1*	Max WS	7404.63	19.63	39.40		39.45	0.000119	1.89	4732.47	611.13	0.11
Hempstead Lake	11807.2*	Max WS	7404.73	19.59	39.40		39.45	0.000123	1.90	4739.05	612.78	0.11
Hempstead Lake	11797.46	Max WS	7404.62	19.56	39.40		39.45	0.000084	1.92	4745.49	614.44	0.11
Hempstead Lake	11792.46	Max WS	7404.62	19.56	39.40		39.45	0.000084	1.95	4705.98	614.44	0.11
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	5824.81	19.54	37.71		37.83	0.000539	2.78	2335.95	614.44	0.24
Hempstead Lake	11627.46	Max WS	5822.29	19.54	37.72		37.82	0.000453	2.66	2434.90	614.44	0.23
Hempstead Lake	11623.2*	Max WS	5820.01	19.43	37.73		37.82	0.001226	2.40	2612.79	645.38	0.20
Hempstead Lake	11619.1*	Max WS	5817.53	19.31	37.74		37.81	0.001055	2.27	2781.77	676.31	0.19
Hempstead Lake	11614.94	Max WS	5814.84	19.20	37.73		37.81	0.000285	2.28	2942.63	707.25	0.18
Hempstead Lake	11612.94	Max WS	5813.54	19.20	37.73		37.81	0.000269	2.24	2983.23	707.25	0.18
Hempstead Lake	11606.94		Culvert									
Hempstead Lake	11600.94	Max WS	695.25	19.20	35.77		35.80	0.000020	1.34	519.95	686.04	0.06
Hempstead Lake	11598.94	Max WS	776.83	19.20	35.79		35.80	0.000010	0.44	1905.95	687.40	0.04
Hempstead Lake	11573.9*	Max WS	777.46	19.18	35.79		35.80	0.000004	0.33	2596.88	760.60	0.03
Hempstead Lake	11548.9*	Max WS	776.82	19.15	35.79		35.80	0.000002	0.26	3336.31	834.95	0.02
Hempstead Lake	11523.9*	Max WS	777.45	19.12	35.79		35.80	0.000002	0.22	4122.71	911.24	0.02
Hempstead Lake	11498.9*	Max WS	777.44	19.10	35.79		35.80	0.000001	0.18	4955.68	988.67	0.01
Hempstead Lake	11473.9*	Max WS	777.43	19.08	35.80		35.80	0.000001	0.15	5835.93	1066.72	0.01
Hempstead Lake	11448.9*	Max WS	777.74	19.05	35.80		35.80	0.000001	0.13	6760.67	1143.91	0.01
Hempstead Lake	11423.9*	Max WS	778.05	19.02	35.80		35.80	0.000001	0.11	7733.28	1214.19	0.01
Hempstead Lake	11398.9*	Max WS	777.11	19.00	35.80		35.80	0.000001	0.10	8753.75	1285.19	0.01
Hempstead Lake	11373.9*	Max WS	777.71	18.98	35.80		35.80	0.000000	0.09	9821.35	1356.52	0.00
Hempstead Lake	11349.*	Max WS	777.99	18.95	35.80		35.80	0.000000	0.08	10935.45	1427.91	0.00
Hempstead Lake	11324.*	Max WS	777.71	18.92	35.80		35.80	0.000000	0.07	12099.15	1499.58	0.00
Hempstead Lake	11299.0*	Max WS	777.70	18.90	35.80		35.80	0.000000	0.06	13308.68	1521.27	0.00
Hempstead Lake	11274.0*	Max WS	777.40	18.88	35.80		35.80	0.000000	0.05	14572.29	1580.75	0.00
Hempstead Lake	11249.0*	Max WS	777.67	18.85	35.80		35.80	0.000000	0.04	15883.63	1642.94	0.00
Hempstead Lake	11224.0*	Max WS	777.65	18.83	35.80		35.80	0.000000	0.04	17245.51	1706.79	0.00
Hempstead Lake	11199.0*	Max WS	777.38	18.80	35.80		35.80	0.000000	0.03	18652.29	1776.28	0.00
Hempstead Lake	11174.0*	Max WS	776.86	18.77	35.80		35.80	0.000000	0.03	20108.26	1845.92	0.00
Hempstead Lake	11149.0*	Max WS	777.60	18.75	35.80		35.80	0.000000	0.03	21612.20	1915.48	0.00
Hempstead Lake	11124.0*	Max WS	777.59	18.73	35.80		35.80	0.000000	0.02	23163.83	1985.28	0.00
Hempstead Lake	11099.0*	Max WS	777.35	18.70	35.80		35.80	0.000000	0.02	24761.46	2055.37	0.00
Hempstead Lake	11074.0*	Max WS	777.81	18.67	35.80		35.80	0.000000	0.02	26410.23	2125.28	0.00
Hempstead Lake	11049.07	Max WS	777.56	18.65	35.80		35.80	0.000000	0.03	28103.31	2195.40	0.00
Hempstead Lake	11038.4*	Max WS	777.10	18.61	35.80		35.80	0.000000	0.02	27408.74	2169.88	0.00
Hempstead Lake	11027.7*	Max WS	777.31	18.58	35.80		35.80	0.000000	0.02	26732.99	2144.30	0.00
Hempstead Lake	11017.0*	Max WS	777.54	18.54	35.80		35.80	0.000000	0.02	26072.73	2118.92	0.00
Hempstead Lake	11006.4*	Max WS	777.53	18.50	35.80		35.80	0.000000	0.02	25428.66	2095.15	0.00
Hempstead Lake	10995.7*	Max WS	777.71	18.47	35.80		35.80	0.000000	0.02	24805.36	2071.57	0.00
Hempstead Lake	10985.0*	Max WS	777.32	18.43	35.80		35.80	0.000000	0.02	24197.97	2048.06	0.00
Hempstead Lake	10974.4*	Max WS	777.69	18.39	35.80		35.80	0.000000	0.02	23607.45	2019.56	0.00
Hempstead Lake	10963.7*	Max WS	777.51	18.35	35.80		35.80	0.000000	0.03	23042.98	1897.21	0.00
Hempstead Lake	10953.1*	Max WS	777.49	18.32	35.80		35.80	0.000000	0.03	22514.56	1804.06	0.00
Hempstead Lake	10942.4*	Max WS	777.29	18.28	35.80		35.80	0.000000	0.03	22004.51	1784.68	0.00
Hempstead Lake	10931.7*	Max WS	777.48	18.24	35.80		35.80	0.000000	0.03	21507.77	1765.27	0.00
Hempstead Lake	10921.1*	Max WS	777.29	18.21	35.80		35.80	0.000000	0.03	21030.18	1746.00	0.00
Hempstead Lake	10910.4*	Max WS	777.45	18.17	35.80		35.80	0.000000	0.03	20569.90	1727.09	0.00
Hempstead Lake	10899.7*	Max WS	777.44	18.13	35.80		35.80	0.000000	0.04	20121.86	1708.02	0.00
Hempstead Lake	10889.1*	Max WS	777.43	18.10	35.80		35.80	0.000000	0.04	19691.49	1689.23	0.00
Hempstead Lake	10878.4*	Max WS	777.42	18.06	35.80		35.80	0.000000	0.04	19275.93	1670.27	0.00
Hempstead Lake	10867.8*	Max WS	777.28	18.02	35.80		35.80	0.000000	0.04	18876.91	1651.28	0.00
Hempstead Lake	10857.1*	Max WS	777.56	17.99	35.80		35.80	0.000000	0.04	18492.37	1632.56	0.00
Hempstead Lake	10846.4*	Max WS	777.41	17.95	35.80		35.80	0.000000	0.04	18125.95	1613.75	0.00
Hempstead Lake	10835.8*	Max WS	777.55	17.91	35.80		35.80	0.000000	0.05	17772.67	1595.01	0.00
Hempstead Lake	10825.1*	Max WS	777.40	17.88	35.80		35.80	0.000000	0.05	17436.28	1576.48	0.00
Hempstead Lake	10814.4*	Max WS	777.39	17.84	35.80		35.80	0.000000	0.05	17116.34	1557.87	0.00
Hempstead Lake	10803.8*	Max WS	777.27	17.80	35.80		35.80	0.000000	0.05	16810.50	1539.37	0.00
Hempstead Lake	10793.1*	Max WS	777.38	17.76	35.80		35.80	0.000000	0.05	16522.37	1520.94	0.00
Hempstead Lake	10782.4*	Max WS	777.26	17.73	35.80		35.80	0.000000	0.05	16247.73	1502.57	0.00
Hempstead Lake	10771.8*	Max WS	777.25	17.69	35.80		35.80	0.000000	0.05	15989.87	1484.28	0.00
Hempstead Lake	10761.1*	Max WS	777.37	17.65	35.80		35.80	0.000000	0.05	15749.04	1466.06	0.00
Hempstead Lake	10750.5*	Max WS	777.02	17.62	35.80		35.80	0.000000	0.05	15521.07	1447.84	0.00
Hempstead Lake	10739.8*	Max WS	777.36	17.58	35.80		35.80	0.000000	0.05	15309.71	1429.76	0.00
Hempstead Lake	10729.1*	Max WS	777.54	17.54	35.80		35.80	0.000000	0.06	15114.58	1411.73	0.00
Hempstead Lake	10718.5*	Max WS	777.35	17.51	35.80		35.80	0.000000	0.06	14932.80	1393.86	0.00
Hempstead Lake	10707.8*	Max WS	777.12	17.47	35.80		35.80	0.000000	0.06	14769.57	1376.20	0.00
Hempstead Lake	10697.1*	Max WS	777.33	17.43	35.80		35.80	0.000000	0.06	14619.33	1357.91	0.00
Hempstead Lake	10686.5*	Max WS	777.23	17.40	35.80		35.80	0.000000	0.06	14486.56	1339.50	0.00
Hempstead Lake	10675.8*	Max WS	777.23	17.36	35.80		35.80	0.000000	0.06	14367.87	1321.34	0.00
Hempstead Lake	10665.2*	Max WS	777.32	17.32	35.80		35.80	0.000000	0.06	14264.80	1303.58	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10654.5*	Max WS	777.31	17.29	35.80		35.80	0.000000	0.06	14176.65	1285.96	0.00
Hempstead Lake	10643.8*	Max WS	777.30	17.25	35.80		35.80	0.000000	0.06	14104.32	1268.97	0.00
Hempstead Lake	10633.2*	Max WS	777.23	17.21	35.80		35.80	0.000000	0.06	14046.86	1252.19	0.00
Hempstead Lake	10622.5*	Max WS	777.22	17.17	35.80		35.80	0.000000	0.06	14004.14	1235.94	0.00
Hempstead Lake	10611.8*	Max WS	777.22	17.14	35.80		35.80	0.000000	0.06	13975.33	1220.25	0.00
Hempstead Lake	10601.2*	Max WS	777.21	17.10	35.80		35.80	0.000000	0.06	13961.87	1204.72	0.00
Hempstead Lake	10590.5*	Max WS	777.21	17.06	35.80		35.80	0.000000	0.06	13962.32	1189.37	0.00
Hempstead Lake	10579.8*	Max WS	777.16	17.03	35.80		35.80	0.000000	0.06	13977.79	1174.23	0.00
Hempstead Lake	10569.23	Max WS	777.33	16.99	35.80		35.80	0.000000	0.06	14006.99	1159.34	0.00
Hempstead Lake	10549.1*	Max WS	777.32	16.96	35.80		35.80	0.000000	0.06	14048.01	1152.13	0.00
Hempstead Lake	10529.0*	Max WS	777.31	16.94	35.80		35.80	0.000000	0.06	14091.23	1143.25	0.00
Hempstead Lake	10508.9*	Max WS	777.30	16.91	35.80		35.80	0.000000	0.05	14133.92	1136.24	0.00
Hempstead Lake	10488.7*	Max WS	777.08	16.89	35.80		35.80	0.000000	0.05	14176.17	1129.73	0.00
Hempstead Lake	10468.6*	Max WS	777.15	16.86	35.80		35.80	0.000000	0.05	14221.05	1125.69	0.00
Hempstead Lake	10448.5*	Max WS	777.28	16.83	35.80		35.80	0.000000	0.05	14266.68	1122.18	0.00
Hempstead Lake	10428.4*	Max WS	777.23	16.81	35.80		35.80	0.000000	0.05	14310.51	1118.83	0.00
Hempstead Lake	10408.3*	Max WS	777.22	16.78	35.80		35.80	0.000000	0.05	14357.56	1115.51	0.00
Hempstead Lake	10388.2*	Max WS	777.21	16.76	35.80		35.80	0.000000	0.05	14402.63	1112.44	0.00
Hempstead Lake	10368.1*	Max WS	777.25	16.73	35.80		35.80	0.000000	0.05	14451.13	1109.51	0.00
Hempstead Lake	10348.0*	Max WS	777.23	16.71	35.80		35.80	0.000000	0.05	14497.61	1106.63	0.00
Hempstead Lake	10327.9*	Max WS	777.21	16.68	35.80		35.80	0.000000	0.05	14545.78	1103.76	0.00
Hempstead Lake	10307.8*	Max WS	777.17	16.65	35.80		35.80	0.000000	0.05	14595.45	1101.07	0.00
Hempstead Lake	10287.7*	Max WS	777.16	16.63	35.80		35.80	0.000000	0.05	14644.85	1098.37	0.00
Hempstead Lake	10267.6*	Max WS	777.14	16.60	35.80		35.80	0.000000	0.05	14695.34	1095.69	0.00
Hempstead Lake	10247.4*	Max WS	777.19	16.58	35.80		35.80	0.000000	0.05	14744.57	1093.03	0.00
Hempstead Lake	10227.3*	Max WS	777.16	16.55	35.80		35.80	0.000000	0.05	14795.66	1090.52	0.00
Hempstead Lake	10207.2*	Max WS	777.12	16.52	35.80		35.80	0.000000	0.05	14848.74	1088.00	0.00
Hempstead Lake	10187.1*	Max WS	777.11	16.50	35.80		35.80	0.000000	0.05	14899.79	1085.53	0.00
Hempstead Lake	10167.0*	Max WS	777.17	16.47	35.80		35.80	0.000000	0.05	14953.30	1083.05	0.00
Hempstead Lake	10146.9*	Max WS	777.16	16.45	35.80		35.80	0.000000	0.05	15005.23	1080.77	0.00
Hempstead Lake	10126.8*	Max WS	777.15	16.42	35.80		35.80	0.000000	0.05	15061.97	1078.38	0.00
Hempstead Lake	10106.7*	Max WS	777.14	16.40	35.80		35.80	0.000000	0.05	15114.62	1076.08	0.00
Hempstead Lake	10086.6*	Max WS	777.14	16.37	35.80		35.80	0.000000	0.05	15170.23	1081.86	0.00
Hempstead Lake	10066.5*	Max WS	777.14	16.34	35.80		35.80	0.000000	0.05	15230.43	1099.80	0.00
Hempstead Lake	10046.4*	Max WS	777.14	16.32	35.80		35.80	0.000000	0.05	15297.94	1159.47	0.00
Hempstead Lake	10026.2*	Max WS	777.13	16.29	35.80		35.80	0.000000	0.05	15372.04	1170.12	0.00
Hempstead Lake	10006.1*	Max WS	777.12	16.27	35.80		35.80	0.000000	0.05	15448.25	1181.21	0.00
Hempstead Lake	9986.073	Max WS	777.10	16.24	35.80		35.80	0.000000	0.05	15528.77	1192.43	0.00
Hempstead Lake	9965.77*	Max WS	777.11	16.21	35.80		35.80	0.000000	0.05	15517.83	1189.85	0.00
Hempstead Lake	9945.47*	Max WS	777.10	16.19	35.80		35.80	0.000000	0.05	15503.85	1186.49	0.00
Hempstead Lake	9925.18*	Max WS	777.09	16.16	35.80		35.80	0.000000	0.05	15490.33	1182.65	0.00
Hempstead Lake	9904.88*	Max WS	777.05	16.13	35.80		35.80	0.000000	0.05	15476.57	1177.76	0.00
Hempstead Lake	9884.59*	Max WS	777.08	16.11	35.80		35.80	0.000000	0.05	15460.14	1171.90	0.00
Hempstead Lake	9864.29*	Max WS	777.07	16.08	35.80		35.80	0.000000	0.05	15446.96	1122.83	0.00
Hempstead Lake	9843.99*	Max WS	777.13	16.05	35.80		35.80	0.000000	0.05	15436.33	1097.82	0.00
Hempstead Lake	9823.7*	Max WS	777.12	16.03	35.80		35.80	0.000000	0.05	15426.36	1084.92	0.00
Hempstead Lake	9803.40*	Max WS	777.17	16.00	35.80		35.80	0.000000	0.05	15416.81	1069.93	0.00
Hempstead Lake	9783.10*	Max WS	777.05	15.97	35.80		35.80	0.000000	0.05	15408.51	1053.17	0.00
Hempstead Lake	9762.81*	Max WS	777.04	15.95	35.80		35.80	0.000000	0.05	15400.50	1045.31	0.00
Hempstead Lake	9742.51*	Max WS	777.10	15.92	35.80		35.80	0.000000	0.05	15392.99	1043.57	0.00
Hempstead Lake	9722.21*	Max WS	777.12	15.89	35.80		35.80	0.000000	0.05	15384.62	1041.44	0.00
Hempstead Lake	9701.92*	Max WS	777.03	15.87	35.80		35.80	0.000000	0.05	15374.67	1039.40	0.00
Hempstead Lake	9681.62*	Max WS	777.08	15.84	35.80		35.80	0.000000	0.05	15364.00	1037.07	0.00
Hempstead Lake	9661.32*	Max WS	777.07	15.81	35.80		35.80	0.000000	0.05	15354.36	1034.74	0.00
Hempstead Lake	9641.03*	Max WS	777.16	15.79	35.80		35.80	0.000000	0.05	15342.12	1032.11	0.00
Hempstead Lake	9620.73*	Max WS	777.01	15.76	35.80		35.80	0.000000	0.05	15330.18	1029.42	0.00
Hempstead Lake	9600.43*	Max WS	777.06	15.73	35.80		35.80	0.000000	0.05	15316.38	1026.67	0.00
Hempstead Lake	9580.14*	Max WS	777.11	15.71	35.80		35.80	0.000000	0.05	15302.13	1023.96	0.00
Hempstead Lake	9559.84*	Max WS	776.99	15.68	35.80		35.80	0.000000	0.05	15287.50	1021.10	0.00
Hempstead Lake	9539.54*	Max WS	777.05	15.66	35.80		35.80	0.000000	0.05	15271.19	1018.17	0.00
Hempstead Lake	9519.25*	Max WS	777.04	15.63	35.80		35.80	0.000000	0.05	15253.85	1015.24	0.00
Hempstead Lake	9498.95*	Max WS	777.25	15.60	35.80		35.80	0.000000	0.05	15238.07	1012.73	0.00
Hempstead Lake	9478.65*	Max WS	777.03	15.58	35.80		35.80	0.000000	0.05	15219.20	1012.27	0.00
Hempstead Lake	9458.36*	Max WS	777.09	15.55	35.80		35.80	0.000000	0.05	15201.09	1011.53	0.00
Hempstead Lake	9438.06*	Max WS	777.08	15.52	35.80		35.80	0.000000	0.05	15180.46	1008.64	0.00
Hempstead Lake	9417.76*	Max WS	777.21	15.50	35.80		35.80	0.000000	0.05	15160.64	1005.22	0.00
Hempstead Lake	9397.47*	Max WS	777.01	15.47	35.80		35.80	0.000000	0.05	15138.88	1001.61	0.00
Hempstead Lake	9377.17*	Max WS	777.01	15.44	35.80		35.80	0.000000	0.05	15118.31	999.69	0.00
Hempstead Lake	9356.87*	Max WS	777.21	15.42	35.80		35.80	0.000000	0.05	15093.09	997.81	0.00
Hempstead Lake	9336.58*	Max WS	777.00	15.39	35.80		35.80	0.000000	0.05	15070.70	995.85	0.00
Hempstead Lake	9316.28*	Max WS	777.00	15.36	35.80		35.80	0.000000	0.05	15046.83	993.47	0.00
Hempstead Lake	9295.98*	Max WS	777.13	15.34	35.80		35.80	0.000000	0.05	15021.02	991.30	0.00
Hempstead Lake	9275.69*	Max WS	777.08	15.31	35.80		35.80	0.000000	0.05	14995.21	989.12	0.00
Hempstead Lake	9255.39*	Max WS	777.07	15.28	35.80		35.80	0.000000	0.05	14968.87	986.99	0.00
Hempstead Lake	9235.09*	Max WS	777.14	15.26	35.80		35.80	0.000000	0.05	14939.91	984.70	0.00
Hempstead Lake	9214.80*	Max WS	776.98	15.23	35.80		35.80	0.000000	0.05	14913.51	982.56	0.00
Hempstead Lake	9194.50*	Max WS	777.06	15.20	35.80		35.80	0.000000	0.05	14883.14	980.07	0.00
Hempstead Lake	9174.20*	Max WS	777.14	15.18	35.80		35.80	0.000000	0.05	14852.46	977.96	0.00
Hempstead Lake	9153.910	Max WS	777.05	15.15	35.80		35.80	0.000000	0.05	14822.89	975.65	0.00
Hempstead Lake	9133.22*	Max WS	802.34	15.12	35.80		35.80	0.000000	0.06	14871.06	982.40	0.00
Hempstead Lake	9112.54*	Max WS	802.34	15.10	35.80		35.80	0.000000	0.06	14914.78	989.14	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9091.85*	Max WS	802.52	15.07	35.80		35.80	0.000000	0.06	14961.37	996.08	0.00
Hempstead Lake	9071.17*	Max WS	802.52	15.05	35.80		35.80	0.000000	0.05	15004.79	1003.07	0.00
Hempstead Lake	9050.49*	Max WS	802.51	15.02	35.80		35.80	0.000000	0.05	15047.54	1010.01	0.00
Hempstead Lake	9029.80*	Max WS	802.33	15.00	35.80		35.80	0.000000	0.05	15088.48	1017.20	0.00
Hempstead Lake	9009.12*	Max WS	802.32	14.97	35.80		35.80	0.000000	0.05	15129.48	1024.40	0.00
Hempstead Lake	8988.44*	Max WS	802.50	14.95	35.80		35.80	0.000000	0.05	15168.83	1031.59	0.00
Hempstead Lake	8967.75*	Max WS	802.32	14.92	35.80		35.80	0.000000	0.05	15207.23	1039.12	0.00
Hempstead Lake	8947.07*	Max WS	802.31	14.90	35.80		35.80	0.000000	0.05	15244.15	1046.92	0.00
Hempstead Lake	8926.39*	Max WS	802.41	14.87	35.80		35.80	0.000000	0.05	15280.43	1054.78	0.00
Hempstead Lake	8905.70*	Max WS	802.40	14.85	35.80		35.80	0.000000	0.05	15316.23	1062.81	0.00
Hempstead Lake	8885.02*	Max WS	802.28	14.82	35.80		35.80	0.000000	0.05	15350.38	1071.11	0.00
Hempstead Lake	8864.33*	Max WS	802.40	14.80	35.80		35.80	0.000000	0.05	15382.67	1079.50	0.00
Hempstead Lake	8843.65*	Max WS	802.59	14.77	35.80		35.80	0.000000	0.05	15415.72	1088.25	0.00
Hempstead Lake	8822.97*	Max WS	802.50	14.75	35.80		35.80	0.000000	0.05	15446.17	1097.28	0.00
Hempstead Lake	8802.28*	Max WS	802.16	14.72	35.80		35.80	0.000000	0.05	15476.11	1106.41	0.00
Hempstead Lake	8781.60*	Max WS	802.37	14.70	35.80		35.80	0.000000	0.05	15505.70	1116.57	0.00
Hempstead Lake	8760.92*	Max WS	802.77	14.67	35.80		35.80	0.000000	0.05	15534.31	1126.76	0.00
Hempstead Lake	8740.23*	Max WS	802.76	14.65	35.80		35.80	0.000000	0.05	15562.64	1137.34	0.00
Hempstead Lake	8719.55*	Max WS	802.49	14.62	35.80		35.80	0.000000	0.05	15588.18	1148.69	0.00
Hempstead Lake	8698.86*	Max WS	802.67	14.60	35.80		35.80	0.000000	0.05	15616.54	1166.57	0.00
Hempstead Lake	8678.18*	Max WS	802.66	14.57	35.80		35.80	0.000000	0.05	15644.20	1202.06	0.00
Hempstead Lake	8657.50*	Max WS	802.48	14.55	35.80		35.80	0.000000	0.05	15673.47	1245.24	0.00
Hempstead Lake	8636.81*	Max WS	802.57	14.52	35.80		35.80	0.000000	0.05	15709.35	1315.57	0.00
Hempstead Lake	8616.13*	Max WS	802.56	14.50	35.80		35.80	0.000000	0.05	15749.39	1354.00	0.00
Hempstead Lake	8595.45*	Max WS	802.35	14.47	35.80		35.80	0.000000	0.05	15794.44	1394.43	0.00
Hempstead Lake	8574.76*	Max WS	802.55	14.45	35.80		35.80	0.000000	0.05	15839.97	1442.35	0.00
Hempstead Lake	8554.08*	Max WS	802.44	14.42	35.80		35.80	0.000000	0.05	15890.41	1488.00	0.00
Hempstead Lake	8533.39*	Max WS	802.67	14.40	35.80		35.80	0.000000	0.05	15944.61	1519.02	0.00
Hempstead Lake	8512.71*	Max WS	802.44	14.37	35.80		35.80	0.000000	0.05	15997.99	1536.50	0.00
Hempstead Lake	8492.03*	Max WS	802.41	14.35	35.80		35.80	0.000000	0.05	16053.88	1560.04	0.00
Hempstead Lake	8471.34*	Max WS	802.66	14.32	35.80		35.80	0.000000	0.05	16109.98	1583.15	0.00
Hempstead Lake	8450.66*	Max WS	802.53	14.30	35.80		35.80	0.000000	0.05	16166.71	1604.59	0.00
Hempstead Lake	8429.980	Max WS	802.40	14.27	35.80		35.80	0.000000	0.05	16223.01	1626.02	0.00
Hempstead Lake	8416.34*	Max WS	802.76	14.25	35.80		35.80	0.000000	0.05	16311.54	1633.67	0.00
Hempstead Lake	8402.71*	Max WS	802.76	14.23	35.80		35.80	0.000000	0.05	16401.31	1641.78	0.00
Hempstead Lake	8389.07*	Max WS	802.88	14.21	35.80		35.80	0.000000	0.05	16490.25	1650.26	0.00
Hempstead Lake	8375.44*	Max WS	802.75	14.19	35.80		35.80	0.000000	0.05	16583.37	1658.95	0.00
Hempstead Lake	8361.81*	Max WS	802.24	14.16	35.80		35.80	0.000000	0.05	16673.27	1668.49	0.00
Hempstead Lake	8348.17*	Max WS	802.88	14.14	35.80		35.80	0.000000	0.05	16765.68	1678.73	0.00
Hempstead Lake	8334.54*	Max WS	802.64	14.12	35.80		35.80	0.000000	0.05	16856.41	1688.85	0.00
Hempstead Lake	8320.91*	Max WS	802.50	14.10	35.80		35.80	0.000000	0.05	16948.99	1700.66	0.00
Hempstead Lake	8307.27*	Max WS	802.63	14.08	35.80		35.80	0.000000	0.05	17040.99	1714.12	0.00
Hempstead Lake	8293.64*	Max WS	802.74	14.06	35.80		35.80	0.000000	0.05	17137.01	1726.79	0.00
Hempstead Lake	8280.00*	Max WS	802.63	14.04	35.80		35.80	0.000000	0.05	17230.51	1740.51	0.00
Hempstead Lake	8266.37*	Max WS	802.86	14.02	35.80		35.80	0.000000	0.05	17322.83	1753.73	0.00
Hempstead Lake	8252.74*	Max WS	803.09	13.99	35.80		35.80	0.000000	0.05	17417.78	1767.33	0.00
Hempstead Lake	8239.10*	Max WS	802.85	13.97	35.80		35.80	0.000000	0.05	17512.50	1777.10	0.00
Hempstead Lake	8225.47*	Max WS	803.08	13.95	35.80		35.80	0.000000	0.05	17610.77	1786.77	0.00
Hempstead Lake	8211.84*	Max WS	803.33	13.93	35.80		35.80	0.000000	0.05	17706.97	1798.09	0.00
Hempstead Lake	8198.20*	Max WS	803.25	13.91	35.80		35.80	0.000000	0.05	17805.76	1810.35	0.00
Hempstead Lake	8184.57*	Max WS	802.60	13.89	35.80		35.80	0.000000	0.05	17903.10	1823.90	0.00
Hempstead Lake	8170.93*	Max WS	802.59	13.87	35.80		35.80	0.000000	0.05	18001.80	1838.50	0.00
Hempstead Lake	8157.30*	Max WS	802.84	13.85	35.80		35.80	0.000000	0.05	18102.02	1779.08	0.00
Hempstead Lake	8143.67*	Max WS	802.73	13.82	35.80		35.80	0.000000	0.05	18209.56	1764.26	0.00
Hempstead Lake	8130.03*	Max WS	802.84	13.80	35.80		35.80	0.000000	0.05	18314.67	1760.41	0.00
Hempstead Lake	8116.40*	Max WS	802.96	13.78	35.80		35.80	0.000000	0.04	18424.81	1758.05	0.00
Hempstead Lake	8102.76*	Max WS	802.96	13.76	35.80		35.80	0.000000	0.04	18533.31	1755.47	0.00
Hempstead Lake	8089.13*	Max WS	803.16	13.74	35.80		35.80	0.000000	0.04	18642.35	1760.97	0.00
Hempstead Lake	8075.50*	Max WS	802.95	13.72	35.80		35.80	0.000000	0.04	18755.74	1768.26	0.00
Hempstead Lake	8061.86*	Max WS	803.06	13.70	35.80		35.80	0.000000	0.04	18869.31	1781.81	0.00
Hempstead Lake	8048.23*	Max WS	803.05	13.68	35.80		35.80	0.000000	0.04	18984.55	1802.28	0.00
Hempstead Lake	8034.6*	Max WS	803.25	13.65	35.80		35.80	0.000000	0.04	19102.39	1824.17	0.00
Hempstead Lake	8020.96*	Max WS	803.16	13.63	35.80		35.80	0.000000	0.04	19223.78	1836.36	0.00
Hempstead Lake	8007.33*	Max WS	803.25	13.61	35.80		35.80	0.000000	0.04	19343.47	1848.12	0.00
Hempstead Lake	7993.69*	Max WS	803.24	13.59	35.80		35.80	0.000000	0.04	19466.80	1866.27	0.00
Hempstead Lake	7980.06*	Max WS	803.49	13.57	35.80		35.80	0.000000	0.04	19589.80	1893.33	0.00
Hempstead Lake	7966.43*	Max WS	803.56	13.55	35.80		35.80	0.000000	0.04	19718.23	1919.80	0.00
Hempstead Lake	7952.79*	Max WS	803.55	13.53	35.80		35.80	0.000000	0.04	19848.05	1972.31	0.00
Hempstead Lake	7939.16*	Max WS	803.54	13.51	35.80		35.80	0.000000	0.04	19981.75	2020.12	0.00
Hempstead Lake	7925.53*	Max WS	803.59	13.48	35.80		35.80	0.000000	0.04	20120.86	2077.65	0.00
Hempstead Lake	7911.89*	Max WS	803.58	13.46	35.80		35.80	0.000000	0.04	20262.65	2129.04	0.00
Hempstead Lake	7898.26*	Max WS	803.60	13.44	35.80		35.80	0.000000	0.04	20410.07	2178.56	0.00
Hempstead Lake	7884.62*	Max WS	803.51	13.42	35.80		35.80	0.000000	0.04	20558.68	2228.84	0.00
Hempstead Lake	7870.99*	Max WS	803.60	13.40	35.80		35.80	0.000000	0.04	20712.04	2275.27	0.00
Hempstead Lake	7857.36*	Max WS	803.60	13.38	35.80		35.80	0.000000	0.04	20869.11	2322.21	0.00
Hempstead Lake	7843.72*	Max WS	803.57	13.36	35.80		35.80	0.000000	0.04	21036.89	2884.58	0.00
Hempstead Lake	7830.09*	Max WS	803.58	13.34	35.80		35.80	0.000000	0.04	21240.64	2890.28	0.00
Hempstead Lake	7816.45*	Max WS	803.60	13.31	35.80		35.80	0.000000	0.04	21447.65	2896.12	0.00
Hempstead Lake	7802.82*	Max WS	803.60	13.29	35.80		35.80	0.000000	0.04	21647.84	2902.30	0.00
Hempstead Lake	7789.19*	Max WS	803.59	13.27	35.80		35.80	0.000000	0.04	21856.57	2908.29	0.00
Hempstead Lake	7775.55*	Max WS	803.58	13.25	35.80		35.80	0.000000	0.04	22059.75	2914.44	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7761.92*	Max WS	803.56	13.23	35.80		35.80	0.000000	0.04	22268.01	2922.08	0.00
Hempstead Lake	7748.29*	Max WS	803.55	13.21	35.80		35.80	0.000000	0.04	22475.50	2929.28	0.00
Hempstead Lake	7734.65*	Max WS	803.54	13.19	35.80		35.80	0.000000	0.04	22684.96	2938.08	0.00
Hempstead Lake	7721.02*	Max WS	803.57	13.17	35.80		35.80	0.000000	0.04	22899.06	2945.81	0.00
Hempstead Lake	7707.38*	Max WS	803.56	13.14	35.80		35.80	0.000000	0.04	23105.90	2955.04	0.00
Hempstead Lake	7693.75*	Max WS	803.35	13.12	35.80		35.80	0.000000	0.04	23319.92	2963.51	0.00
Hempstead Lake	7680.12*	Max WS	803.28	13.10	35.80		35.80	0.000000	0.04	23529.99	2973.28	0.00
Hempstead Lake	7666.48*	Max WS	803.34	13.08	35.80		35.80	0.000000	0.04	23748.71	2983.37	0.00
Hempstead Lake	7652.85*	Max WS	803.33	13.06	35.80		35.80	0.000000	0.04	23958.97	2992.86	0.00
Hempstead Lake	7639.22*	Max WS	803.44	13.04	35.80		35.80	0.000000	0.04	24177.88	3003.73	0.00
Hempstead Lake	7625.58*	Max WS	802.18	13.02	35.80		35.80	0.000000	0.04	24397.43	3014.96	0.00
Hempstead Lake	7611.95*	Max WS	802.56	13.00	35.80		35.80	0.000000	0.04	24611.55	3026.18	0.00
Hempstead Lake	7598.31*	Max WS	802.71	12.97	35.80		35.80	0.000000	0.04	24831.82	3039.96	0.00
Hempstead Lake	7584.68*	Max WS	802.91	12.95	35.80		35.80	0.000000	0.04	25051.37	3052.32	0.00
Hempstead Lake	7571.05*	Max WS	802.90	12.93	35.80		35.80	0.000000	0.04	25275.43	3064.46	0.00
Hempstead Lake	7557.41*	Max WS	800.84	12.91	35.80		35.80	0.000000	0.04	25495.36	3078.84	0.00
Hempstead Lake	7543.783	Max WS	801.66	12.89	35.80		35.80	0.000000	0.04	25722.17	3144.78	0.00
Hempstead Lake	7530.03*	Max WS	816.47	12.85	35.80		35.80	0.000000	0.04	25875.21	3160.01	0.00
Hempstead Lake	7516.28*	Max WS	816.22	12.82	35.80		35.80	0.000000	0.04	26028.83	3176.61	0.00
Hempstead Lake	7502.53*	Max WS	816.45	12.78	35.80		35.80	0.000000	0.04	26183.75	3192.25	0.00
Hempstead Lake	7488.79*	Max WS	816.69	12.74	35.80		35.80	0.000000	0.04	26340.84	3209.08	0.00
Hempstead Lake	7475.04*	Max WS	815.65	12.71	35.80		35.80	0.000000	0.04	26496.71	3227.39	0.00
Hempstead Lake	7461.29*	Max WS	815.95	12.67	35.80		35.80	0.000000	0.04	26653.90	3244.75	0.00
Hempstead Lake	7447.54*	Max WS	815.94	12.63	35.80		35.80	0.000000	0.04	26815.45	3264.42	0.00
Hempstead Lake	7433.79*	Max WS	816.18	12.60	35.80		35.80	0.000000	0.03	26973.32	3300.21	0.00
Hempstead Lake	7420.04*	Max WS	816.41	12.56	35.80		35.80	0.000000	0.03	27134.06	3322.54	0.00
Hempstead Lake	7406.3*	Max WS	815.12	12.52	35.80		35.80	0.000000	0.03	27298.90	3329.79	0.00
Hempstead Lake	7392.55*	Max WS	815.10	12.49	35.80		35.80	0.000000	0.03	27462.56	3336.64	0.00
Hempstead Lake	7378.80*	Max WS	815.65	12.45	35.80		35.80	0.000000	0.03	27623.74	3344.78	0.00
Hempstead Lake	7365.05*	Max WS	815.63	12.41	35.80		35.80	0.000000	0.03	27788.98	3352.42	0.00
Hempstead Lake	7351.30*	Max WS	813.32	12.38	35.80		35.80	0.000000	0.03	27952.97	3360.13	0.00
Hempstead Lake	7337.55*	Max WS	814.06	12.34	35.80		35.80	0.000000	0.03	28115.99	3368.48	0.00
Hempstead Lake	7323.81*	Max WS	815.63	12.30	35.80		35.80	0.000000	0.03	28281.47	3376.37	0.00
Hempstead Lake	7310.06*	Max WS	815.61	12.26	35.80		35.80	0.000000	0.03	28447.93	3386.36	0.00
Hempstead Lake	7296.31*	Max WS	815.86	12.23	35.80		35.80	0.000000	0.03	28615.22	3397.89	0.00
Hempstead Lake	7282.56*	Max WS	814.73	12.19	35.80		35.80	0.000000	0.03	28781.61	3409.87	0.00
Hempstead Lake	7268.81*	Max WS	814.71	12.15	35.80		35.80	0.000000	0.03	28950.48	3422.40	0.00
Hempstead Lake	7255.06*	Max WS	815.04	12.12	35.80		35.80	0.000000	0.03	29117.73	3435.53	0.00
Hempstead Lake	7241.32*	Max WS	812.47	12.08	35.80		35.80	0.000000	0.03	29287.90	3449.84	0.00
Hempstead Lake	7227.57*	Max WS	814.06	12.04	35.80		35.80	0.000000	0.03	29460.54	3464.89	0.00
Hempstead Lake	7213.82*	Max WS	814.06	12.01	35.80		35.80	0.000000	0.03	29630.05	3480.25	0.00
Hempstead Lake	7200.07*	Max WS	814.05	11.97	35.80		35.80	0.000000	0.03	29799.98	3495.37	0.00
Hempstead Lake	7186.32*	Max WS	812.42	11.93	35.80		35.80	0.000000	0.03	29976.12	3512.86	0.00
Hempstead Lake	7172.57*	Max WS	812.40	11.90	35.80		35.80	0.000000	0.03	30150.61	3530.61	0.00
Hempstead Lake	7158.83*	Max WS	813.70	11.86	35.80		35.80	0.000000	0.03	30325.19	3548.47	0.00
Hempstead Lake	7145.08*	Max WS	813.68	11.82	35.80		35.80	0.000000	0.03	30503.93	3568.42	0.00
Hempstead Lake	7131.33*	Max WS	811.56	11.79	35.80		35.80	0.000000	0.03	30683.97	3589.36	0.00
Hempstead Lake	7117.58*	Max WS	813.09	11.75	35.80		35.80	0.000000	0.03	30867.63	3619.79	0.00
Hempstead Lake	7103.83*	Max WS	813.57	11.71	35.80		35.80	0.000000	0.03	31050.97	3648.59	0.00
Hempstead Lake	7090.08*	Max WS	813.15	11.68	35.80		35.80	0.000000	0.03	31234.66	3676.64	0.00
Hempstead Lake	7076.34*	Max WS	812.45	11.64	35.80		35.80	0.000000	0.03	31425.72	3705.77	0.00
Hempstead Lake	7062.59*	Max WS	812.83	11.60	35.80		35.80	0.000000	0.03	31613.67	3736.13	0.00
Hempstead Lake	7048.84*	Max WS	812.45	11.57	35.80		35.80	0.000000	0.03	31805.00	3765.63	0.00
Hempstead Lake	7035.09*	Max WS	812.71	11.53	35.80		35.80	0.000000	0.03	32002.97	3769.78	0.00
Hempstead Lake	7021.34*	Max WS	812.37	11.49	35.80		35.80	0.000000	0.03	32196.89	3773.93	0.00
Hempstead Lake	7007.6*	Max WS	812.63	11.46	35.80		35.80	0.000000	0.03	32394.09	3778.09	0.00
Hempstead Lake	6993.85*	Max WS	812.48	11.42	35.80		35.80	0.000000	0.03	32589.80	3782.24	0.00
Hempstead Lake	6980.10*	Max WS	812.92	11.38	35.80		35.80	0.000000	0.03	32790.09	3786.39	0.00
Hempstead Lake	6966.35*	Max WS	811.53	11.35	35.80		35.80	0.000000	0.03	40464.30	5549.19	0.00
Hempstead Lake	6952.60*	Max WS	811.94	11.31	35.80		35.80	0.000000	0.03	40699.84	5531.42	0.00
Hempstead Lake	6938.85*	Max WS	812.11	11.27	35.80		35.80	0.000000	0.03	40938.61	5526.15	0.00
Hempstead Lake	6925.11*	Max WS	811.56	11.23	35.80		35.80	0.000000	0.03	41181.23	5521.79	0.00
Hempstead Lake	6911.36*	Max WS	811.83	11.20	35.80		35.80	0.000000	0.03	41430.32	5518.56	0.00
Hempstead Lake	6897.61*	Max WS	812.09	11.16	35.80		35.80	0.000000	0.03	41678.37	5515.55	0.00
Hempstead Lake	6883.86*	Max WS	810.82	11.12	35.80		35.80	0.000000	0.03	41932.03	5513.68	0.00
Hempstead Lake	6870.11*	Max WS	811.24	11.09	35.80		35.80	0.000000	0.03	42187.87	5511.61	0.00
Hempstead Lake	6856.36*	Max WS	811.43	11.05	35.80		35.80	0.000000	0.03	42447.12	5509.87	0.00
Hempstead Lake	6842.62*	Max WS	811.41	11.01	35.80		35.80	0.000000	0.03	42706.78	5507.78	0.00
Hempstead Lake	6828.87*	Max WS	811.23	10.98	35.80		35.80	0.000000	0.03	42972.61	5504.65	0.00
Hempstead Lake	6815.12*	Max WS	810.91	10.94	35.80		35.80	0.000000	0.03	43242.14	5497.25	0.00
Hempstead Lake	6801.37*	Max WS	811.15	10.90	35.80		35.80	0.000000	0.03	43515.27	5495.34	0.00
Hempstead Lake	6787.62*	Max WS	810.93	10.87	35.80		35.80	0.000000	0.03	43789.90	5494.08	0.00
Hempstead Lake	6773.87*	Max WS	811.09	10.83	35.80		35.80	0.000000	0.03	44067.97	5492.87	0.00
Hempstead Lake	6760.13*	Max WS	811.67	10.79	35.80		35.80	0.000000	0.03	44351.29	5492.08	0.00
Hempstead Lake	6746.38*	Max WS	811.35	10.76	35.80		35.80	0.000000	0.03	44632.64	5485.69	0.00
Hempstead Lake	6732.634	Max WS	811.77	10.72	35.80		35.80	0.000000	0.03	44920.38	5475.61	0.00
Hempstead Lake	6718.98*	Max WS	811.63	10.73	35.80		35.80	0.000000	0.03	44814.32	5450.00	0.00
Hempstead Lake	6705.33*	Max WS	811.40	10.74	35.80		35.80	0.000000	0.03	44712.58	5423.13	0.00
Hempstead Lake	6691.68*	Max WS	811.17	10.75	35.80		35.80	0.000000	0.03	44605.30	5392.91	0.00
Hempstead Lake	6678.03*	Max WS	811.03	10.76	35.80		35.80	0.000000	0.03	44501.30	5361.56	0.00
Hempstead Lake	6664.38*	Max WS	810.39	10.77	35.80		35.80	0.000000	0.03	44397.63	5328.48	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6650.72*	Max WS	810.69	10.78	35.80		35.80	0.000000	0.03	44294.33	5290.43	0.00
Hempstead Lake	6637.07*	Max WS	811.04	10.79	35.80		35.80	0.000000	0.03	44193.54	5257.75	0.00
Hempstead Lake	6623.42*	Max WS	810.83	10.80	35.80		35.80	0.000000	0.03	44088.78	5240.60	0.00
Hempstead Lake	6609.77*	Max WS	810.63	10.81	35.80		35.80	0.000000	0.03	43984.89	5223.41	0.00
Hempstead Lake	6596.12*	Max WS	810.70	10.82	35.80		35.80	0.000000	0.03	43877.16	5206.87	0.00
Hempstead Lake	6582.47*	Max WS	810.62	10.83	35.80		35.80	0.000000	0.03	34817.99	3794.56	0.00
Hempstead Lake	6568.82*	Max WS	810.33	10.84	35.80		35.80	0.000000	0.03	34668.96	3788.50	0.00
Hempstead Lake	6555.17*	Max WS	810.53	10.85	35.80		35.80	0.000000	0.03	34521.08	3782.45	0.00
Hempstead Lake	6541.52*	Max WS	810.58	10.86	35.80		35.80	0.000000	0.03	34374.24	3776.40	0.00
Hempstead Lake	6527.87*	Max WS	810.55	10.87	35.80		35.80	0.000000	0.03	34225.21	3770.34	0.00
Hempstead Lake	6514.22*	Max WS	810.53	10.88	35.80		35.80	0.000000	0.03	34078.57	3764.29	0.00
Hempstead Lake	6500.57*	Max WS	810.53	10.89	35.80		35.80	0.000000	0.03	33932.33	3758.24	0.00
Hempstead Lake	6486.91*	Max WS	810.53	10.91	35.80		35.80	0.000000	0.03	33785.08	3752.18	0.00
Hempstead Lake	6473.26*	Max WS	810.51	10.92	35.80		35.80	0.000000	0.03	33638.42	3746.13	0.00
Hempstead Lake	6459.61*	Max WS	810.49	10.93	35.80		35.80	0.000000	0.03	33494.95	3740.07	0.00
Hempstead Lake	6445.96*	Max WS	810.53	10.94	35.80		35.80	0.000000	0.03	33349.05	3725.26	0.00
Hempstead Lake	6432.31*	Max WS	810.48	10.95	35.80		35.80	0.000000	0.03	33205.05	3709.61	0.00
Hempstead Lake	6418.66*	Max WS	810.47	10.96	35.80		35.80	0.000000	0.03	33060.22	3695.58	0.00
Hempstead Lake	6405.01*	Max WS	810.45	10.97	35.80		35.80	0.000000	0.03	32917.93	3683.59	0.00
Hempstead Lake	6391.36*	Max WS	810.49	10.98	35.80		35.80	0.000000	0.03	32777.90	3672.92	0.00
Hempstead Lake	6377.71*	Max WS	810.47	10.99	35.80		35.80	0.000000	0.03	32635.49	3662.47	0.00
Hempstead Lake	6364.06*	Max WS	810.46	11.00	35.80		35.80	0.000000	0.03	32495.85	3652.24	0.00
Hempstead Lake	6350.41*	Max WS	810.45	11.01	35.80		35.80	0.000000	0.03	32356.02	3641.86	0.00
Hempstead Lake	6336.76*	Max WS	810.42	11.02	35.80		35.80	0.000000	0.03	32217.89	3631.97	0.00
Hempstead Lake	6323.11*	Max WS	810.45	11.03	35.80		35.80	0.000000	0.03	32078.26	3622.24	0.00
Hempstead Lake	6309.45*	Max WS	810.43	11.04	35.80		35.80	0.000000	0.03	31939.78	3612.69	0.00
Hempstead Lake	6295.80*	Max WS	810.41	11.05	35.80		35.80	0.000000	0.03	31801.70	3602.76	0.00
Hempstead Lake	6282.15*	Max WS	810.40	11.06	35.80		35.80	0.000000	0.03	31665.22	3593.47	0.00
Hempstead Lake	6268.507	Max WS	810.38	11.07	35.80		35.80	0.000000	0.03	31528.27	3584.42	0.00
Hempstead Lake	6259.72*	Max WS	810.37	11.10	35.80		35.80	0.000000	0.03	30976.24	3383.02	0.00
Hempstead Lake	6250.93*	Max WS	810.38	11.14	35.80		35.80	0.000000	0.03	30524.86	3182.19	0.00
Hempstead Lake	6242.14*	Max WS	810.39	11.17	35.80		35.80	0.000000	0.03	30174.15	2980.92	0.00
Hempstead Lake	6233.35*	Max WS	810.35	11.21	35.80		35.80	0.000000	0.03	29923.26	2777.23	0.00
Hempstead Lake	6224.57*	Max WS	810.36	11.24	35.80		35.80	0.000000	0.03	32436.40	3225.29	0.00
Hempstead Lake	6215.78*	Max WS	810.36	11.27	35.80		35.80	0.000000	0.03	31528.14	2894.35	0.00
Hempstead Lake	6206.99*	Max WS	810.34	11.31	35.80		35.80	0.000000	0.03	30886.15	2561.45	0.00
Hempstead Lake	6198.21*	Max WS	810.35	11.34	35.80		35.80	0.000000	0.03	30509.19	2230.66	0.00
Hempstead Lake	6189.42*	Max WS	810.34	11.38	35.80		35.80	0.000000	0.03	30412.71	1916.58	0.00
Hempstead Lake	6180.638	Max WS	810.34	11.41	35.80		35.80	0.000000	0.03	30558.56	1541.19	0.00
Hempstead Lake	6177.638	Max WS	810.34	11.00	35.80	11.24	35.80	0.000000	0.03	31024.11	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	810.30	10.80	20.80		20.83	0.001316	1.37	592.18	232.83	0.15
Hempstead Lake	5930.638	Max WS	810.30	10.80	20.77		20.78	0.000456	0.91	890.58	289.73	0.09
Hempstead Lake	5880.638	Max WS	810.29	10.80	20.75		20.76	0.000362	0.83	973.31	303.75	0.08
Hempstead Lake	5830.638	Max WS	810.29	10.80	20.74		20.75	0.000298	0.80	1017.16	293.52	0.08
Hempstead Lake	5780.638	Max WS	810.29	10.80	20.71		20.72	0.000565	0.97	835.94	290.56	0.10
Hempstead Lake	5730.638	Max WS	810.28	10.80	20.68		20.69	0.000629	1.04	805.20	316.61	0.11
Hempstead Lake	5680.638	Max WS	810.27	10.80	20.66		20.67	0.000501	0.83	1000.16	410.31	0.09
Hempstead Lake	5630.638	Max WS	810.27	10.80	20.63		20.64	0.000452	0.71	1054.74	440.87	0.09
Hempstead Lake	5580.638	Max WS	810.26	10.80	20.61		20.62	0.000617	0.70	1045.61	551.33	0.10
Hempstead Lake	5530.638	Max WS	810.26	10.80	20.57		20.58	0.000927	0.78	977.21	621.80	0.11
Hempstead Lake	5480.638	Max WS	810.26	10.80	20.49		20.51	0.001930	1.02	774.57	595.71	0.16
Hempstead Lake	5430.638	Max WS	810.26	8.00	20.32		20.34	0.004626	1.33	611.09	603.11	0.23
Hempstead Lake	5380.638	Max WS	810.25	8.00	20.16		20.20	0.001263	1.65	561.22	630.54	0.30
Hempstead Lake	5330.638	Max WS	810.26	8.00	19.25		19.36	0.032649	2.73	310.54	497.19	0.57
Hempstead Lake	5307.48*	Max WS	810.26	7.93	18.33		18.50	0.043032	3.28	246.67	325.69	0.67
Hempstead Lake	5284.32*	Max WS	565.83	7.87	17.82		17.86	0.006255	1.56	362.38	346.69	0.27
Hempstead Lake	5261.17*	Max WS	488.63	7.80	17.76		17.77	0.000750	0.76	645.84	376.67	0.10
Hempstead Lake	5238.01*	Max WS	486.64	7.73	17.75		17.76	0.000216	0.51	957.45	400.78	0.06
Hempstead Lake	5214.85*	Max WS	543.13	7.67	17.75		17.75	0.000109	0.43	1277.58	422.00	0.04
Hempstead Lake	5191.70*	Max WS	477.87	7.60	17.75		17.75	0.000041	0.30	1602.19	441.79	0.03
Hempstead Lake	5168.54*	Max WS	477.86	7.54	17.75		17.75	0.000022	0.25	1930.88	457.71	0.02
Hempstead Lake	5145.39*	Max WS	477.85	7.47	17.75		17.75	0.000013	0.21	2258.15	466.52	0.02
Hempstead Lake	5122.23*	Max WS	477.84	7.40	17.75		17.75	0.000008	0.19	2582.79	471.39	0.01
Hempstead Lake	5099.07*	Max WS	477.82	7.34	17.75		17.75	0.000006	0.16	2903.99	475.05	0.01
Hempstead Lake	5075.922	Max WS	477.81	7.27	17.75		17.75	0.000001	0.15	3221.64	477.79	0.01
Hempstead Lake	5055.96*	Max WS	477.79	7.23	17.75		17.75	0.000003	0.15	3279.01	559.35	0.01
Hempstead Lake	5036.01*	Max WS	477.77	7.20	17.75		17.75	0.000002	0.13	3551.82	658.52	0.01
Hempstead Lake	5016.05*	Max WS	477.75	7.16	17.75		17.75	0.000002	0.12	3868.68	670.75	0.01
Hempstead Lake	4996.10*	Max WS	477.73	7.12	17.75		17.75	0.000001	0.11	4204.32	670.61	0.01
Hempstead Lake	4976.14*	Max WS	477.71	7.09	17.75		17.75	0.000001	0.10	4552.64	666.20	0.01
Hempstead Lake	4956.192	Max WS	477.68	7.05	17.75		17.75	0.000000	0.10	4917.23	688.88	0.01
Hempstead Lake	4936.44*	Max WS	477.65	7.02	17.75		17.75	0.000000	0.09	5218.44	781.47	0.01
Hempstead Lake	4916.69*	Max WS	477.76	6.98	17.75		17.75	0.000000	0.09	5596.93	852.87	0.01
Hempstead Lake	4896.94*	Max WS	477.75	6.95	17.75		17.75	0.000001	0.08	6011.91	882.60	0.01
Hempstead Lake	4877.19*	Max WS	477.75	6.91	17.75		17.75	0.000001	0.07	6441.20	897.85	0.00
Hempstead Lake	4857.44*	Max WS	477.74	6.88	17.75		17.75	0.000001	0.07	6878.03	908.06	0.00
Hempstead Lake	4837.697	Max WS	477.73	6.84	17.75		17.75	0.000000	0.07	7323.64	928.35	0.00
Hempstead Lake	4817.64*	Max WS	750.96	6.81	17.75		17.75	0.000002	0.10	7376.92	912.76	0.01
Hempstead Lake	4797.59*	Max WS	750.94	6.77	17.75		17.75	0.000001	0.10	7435.15	907.33	0.01
Hempstead Lake	4777.53*	Max WS	750.91	6.67	17.75		17.75	0.000001	0.10	7497.23	908.24	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4757.48*	Max WS	750.88	6.58	17.75		17.75	0.000001	0.10	7561.55	908.92	0.01
Hempstead Lake	4737.42*	Max WS	750.84	6.49	17.75		17.75	0.000001	0.10	7628.70	908.50	0.01
Hempstead Lake	4717.37*	Max WS	750.83	6.40	17.75		17.75	0.000001	0.10	7696.68	907.39	0.01
Hempstead Lake	4697.32*	Max WS	750.82	6.30	17.75		17.75	0.000001	0.10	7768.87	905.81	0.01
Hempstead Lake	4677.26*	Max WS	750.80	6.21	17.75		17.75	0.000001	0.10	7841.20	903.83	0.01
Hempstead Lake	4657.21*	Max WS	750.78	6.12	17.75		17.75	0.000001	0.10	7915.01	901.70	0.01
Hempstead Lake	4637.16*	Max WS	750.76	6.02	17.75		17.75	0.000001	0.09	7989.54	899.46	0.01
Hempstead Lake	4617.10*	Max WS	750.72	5.91	17.75		17.75	0.000001	0.09	8065.57	897.01	0.01
Hempstead Lake	4597.05*	Max WS	750.75	5.76	17.75		17.75	0.000001	0.09	8140.80	894.50	0.01
Hempstead Lake	4577.*	Max WS	750.74	5.60	17.75		17.75	0.000001	0.09	8218.48	892.00	0.01
Hempstead Lake	4556.94*	Max WS	750.72	5.45	17.75		17.75	0.000001	0.09	8296.95	889.44	0.01
Hempstead Lake	4536.893	Max WS	750.70	5.30	17.75		17.75	0.000000	0.09	8375.72	886.80	0.01
Hempstead Lake	4516.70*	Max WS	757.46	5.16	17.75		17.75	0.000001	0.09	8433.56	887.84	0.00
Hempstead Lake	4496.51*	Max WS	757.45	5.02	17.75		17.75	0.000001	0.09	8498.07	888.30	0.00
Hempstead Lake	4476.32*	Max WS	757.44	4.88	17.75		17.75	0.000001	0.09	8569.63	888.49	0.00
Hempstead Lake	4456.14*	Max WS	757.42	4.74	17.75		17.75	0.000001	0.09	8645.03	888.09	0.00
Hempstead Lake	4435.95*	Max WS	757.40	4.60	17.75		17.75	0.000001	0.09	8727.38	887.50	0.00
Hempstead Lake	4415.76*	Max WS	757.37	4.46	17.75		17.75	0.000001	0.09	8814.74	886.80	0.00
Hempstead Lake	4395.57*	Max WS	757.36	4.32	17.75		17.75	0.000001	0.08	8907.73	886.07	0.00
Hempstead Lake	4375.38*	Max WS	757.35	4.18	17.75		17.75	0.000001	0.08	9005.69	885.25	0.00
Hempstead Lake	4355.20*	Max WS	757.33	4.04	17.75		17.75	0.000001	0.08	9109.63	884.21	0.00
Hempstead Lake	4335.01*	Max WS	757.28	3.90	17.75		17.75	0.000001	0.08	9218.18	883.16	0.00
Hempstead Lake	4314.82*	Max WS	757.28	3.76	17.75		17.75	0.000001	0.08	9332.49	881.87	0.00
Hempstead Lake	4294.63*	Max WS	757.27	3.62	17.75		17.75	0.000001	0.08	9451.33	880.59	0.00
Hempstead Lake	4274.44*	Max WS	757.26	3.48	17.75		17.75	0.000001	0.08	9574.18	879.17	0.00
Hempstead Lake	4254.26*	Max WS	757.24	3.34	17.75		17.75	0.000001	0.08	9702.56	877.65	0.00
Hempstead Lake	4234.07*	Max WS	757.22	3.20	17.75		17.75	0.000001	0.08	9836.31	876.09	0.00
Hempstead Lake	4213.88*	Max WS	757.20	3.06	17.75		17.75	0.000001	0.08	9975.08	874.48	0.00
Hempstead Lake	4193.69*	Max WS	757.17	2.92	17.75		17.75	0.000000	0.07	10117.56	872.77	0.00
Hempstead Lake	4173.50*	Max WS	757.17	2.78	17.75		17.75	0.000000	0.07	10265.59	871.00	0.00
Hempstead Lake	4153.320	Max WS	757.16	2.64	17.75		17.75	0.000000	0.07	10418.11	869.20	0.00
Hempstead Lake	4131.85*	Max WS	770.30	2.69	17.75		17.75	0.000000	0.07	10347.28	867.99	0.00
Hempstead Lake	4110.38*	Max WS	770.28	2.75	17.75		17.75	0.000000	0.08	10280.15	866.83	0.00
Hempstead Lake	4088.91*	Max WS	770.26	2.80	17.75		17.75	0.000000	0.08	10220.33	865.50	0.00
Hempstead Lake	4067.44*	Max WS	770.22	2.86	17.75		17.75	0.000000	0.08	10162.75	864.16	0.00
Hempstead Lake	4045.97*	Max WS	770.21	2.91	17.75		17.75	0.000000	0.08	10113.05	862.67	0.00
Hempstead Lake	4024.50*	Max WS	770.20	2.97	17.75		17.75	0.000001	0.08	10065.76	861.12	0.00
Hempstead Lake	4003.034	Max WS	770.18	3.02	17.75		17.75	0.000000	0.08	10025.97	859.38	0.00
Hempstead Lake	3984.01*	Max WS	770.16	3.78	17.75		17.75	0.000001	0.09	9026.12	842.28	0.00
Hempstead Lake	3964.99*	Max WS	770.14	4.54	17.75		17.75	0.000001	0.10	8047.83	824.83	0.01
Hempstead Lake	3945.97*	Max WS	770.12	5.30	17.75		17.75	0.000002	0.11	7090.11	808.09	0.01
Hempstead Lake	3926.95*	Max WS	770.11	6.06	17.75		17.75	0.000002	0.13	6154.62	795.24	0.01
Hempstead Lake	3907.93*	Max WS	770.09	6.82	17.75		17.75	0.000004	0.15	5243.10	784.20	0.01
Hempstead Lake	3888.916	Max WS	769.99	7.58	17.75		17.75	0.000001	0.18	4354.74	770.25	0.01
Hempstead Lake	3883.916	Max WS	783.82	7.20	17.75	8.88	17.75	0.000001	0.19	4257.22	760.44	0.01
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	783.49	7.19	17.74		17.74	0.000002	0.21	3705.73	724.90	0.02
Hempstead Lake	3858.916	Max WS	783.48	7.17	17.74		17.74	0.000002	0.22	3579.83	724.29	0.02
Hempstead Lake	3826.579	Max WS	783.14	6.10	17.73		17.74	0.000006	0.31	2505.30	674.06	0.03
Hempstead Lake	3821.579	Max WS	783.14	6.02	17.73		17.74	0.000007	0.33	2386.75	673.85	0.03
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	782.72	5.94	17.73		17.73	0.000019	0.33	2380.81	650.62	0.03
Hempstead Lake	3736.579	Max WS	782.20	5.88	17.73		17.73	0.000006	0.31	2595.94	650.84	0.03
Hempstead Lake	3699.46*	Max WS	781.61	5.83	17.73		17.73	0.000005	0.26	2827.36	663.13	0.02
Hempstead Lake	3662.35*	Max WS	781.58	5.78	17.73		17.73	0.000005	0.26	3066.80	708.35	0.02
Hempstead Lake	3625.24*	Max WS	780.98	5.74	17.73		17.73	0.000004	0.24	3354.67	759.32	0.02
Hempstead Lake	3588.13*	Max WS	780.95	5.69	17.73		17.73	0.000004	0.23	3678.80	801.53	0.02
Hempstead Lake	3551.028	Max WS	780.37	5.64	17.73		17.73	0.000002	0.21	4039.54	876.34	0.02
Hempstead Lake	3531.67*	Max WS	780.36	5.61	17.73		17.73	0.000004	0.22	3849.60	841.56	0.02
Hempstead Lake	3512.33*	Max WS	780.35	5.58	17.73		17.73	0.000004	0.23	3664.83	804.34	0.02
Hempstead Lake	3492.98*	Max WS	780.34	5.55	17.73		17.73	0.000004	0.24	3486.28	773.87	0.02
Hempstead Lake	3473.63*	Max WS	779.80	5.52	17.73		17.73	0.000004	0.24	3318.84	731.10	0.02
Hempstead Lake	3454.28*	Max WS	779.80	5.49	17.73		17.73	0.000004	0.25	3175.90	665.87	0.02
Hempstead Lake	3434.93*	Max WS	779.22	5.46	17.73		17.73	0.000004	0.26	3077.70	610.28	0.02
Hempstead Lake	3415.58*	Max WS	778.58	5.43	17.73		17.73	0.000004	0.27	2990.74	598.90	0.02
Hempstead Lake	3396.239	Max WS	777.87	5.40	17.73		17.73	0.000005	0.27	2905.94	590.41	0.02
Hempstead Lake	3376.88*	Max WS	777.11	5.37	17.73		17.73	0.000004	0.27	2909.08	589.24	0.02
Hempstead Lake	3357.52*	Max WS	777.11	5.34	17.73		17.73	0.000004	0.27	2913.44	588.67	0.02
Hempstead Lake	3338.16*	Max WS	776.32	5.32	17.73		17.73	0.000004	0.27	2915.95	589.04	0.02
Hempstead Lake	3318.80*	Max WS	777.09	5.29	17.73		17.73	0.000004	0.28	2919.60	590.41	0.02
Hempstead Lake	3299.44*	Max WS	776.31	5.26	17.73		17.73	0.000004	0.28	2921.52	594.65	0.02
Hempstead Lake	3280.08*	Max WS	775.51	5.23	17.73		17.73	0.000005	0.28	2925.36	600.98	0.02
Hempstead Lake	3260.73*	Max WS	775.51	5.21	17.73		17.73	0.000005	0.28	2928.01	607.55	0.02
Hempstead Lake	3241.37*	Max WS	775.50	5.18	17.73		17.73	0.000005	0.28	2931.34	614.79	0.02
Hempstead Lake	3222.01*	Max WS	775.50	5.15	17.73		17.73	0.000005	0.28	2936.54	623.05	0.02
Hempstead Lake	3202.65*	Max WS	775.49	5.12	17.73		17.73	0.000005	0.28	2940.80	626.59	0.02
Hempstead Lake	3183.29*	Max WS	775.48	5.10	17.73		17.73	0.000005	0.28	2945.79	630.38	0.02
Hempstead Lake	3163.93*	Max WS	775.47	5.07	17.73		17.73	0.000005	0.28	2950.09	633.60	0.02
Hempstead Lake	3144.581	Max WS	774.73	5.04	17.73		17.73	0.000004	0.28	2955.59	636.76	0.02
Hempstead Lake	3124.73*	Max WS	774.72	5.01	17.73		17.73	0.000004	0.28	2964.37	638.69	0.02
Hempstead Lake	3104.89*	Max WS	774.71	4.98	17.73		17.73	0.000004	0.28	2974.31	641.56	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3085.04*	Max WS	774.70	4.95	17.73		17.73	0.000004	0.28	2985.03	645.82	0.02
Hempstead Lake	3065.2*	Max WS	773.97	4.92	17.73		17.73	0.000004	0.28	2994.53	650.66	0.02
Hempstead Lake	3045.35*	Max WS	773.96	4.88	17.73		17.73	0.000004	0.28	3005.78	653.84	0.02
Hempstead Lake	3025.51*	Max WS	773.23	4.85	17.73		17.73	0.000004	0.28	3017.31	657.39	0.02
Hempstead Lake	3005.66*	Max WS	773.22	4.82	17.73		17.73	0.000004	0.28	3030.49	660.07	0.02
Hempstead Lake	2985.81*	Max WS	773.22	4.79	17.73		17.73	0.000003	0.28	3041.51	663.20	0.02
Hempstead Lake	2965.974	Max WS	772.47	4.76	17.73		17.73	0.000004	0.28	3054.09	665.62	0.02
Hempstead Lake	2951.87*	Max WS	772.47	4.74	17.73		17.73	0.000005	0.27	3083.76	666.39	0.02
Hempstead Lake	2937.77*	Max WS	772.46	4.72	17.73		17.73	0.000004	0.27	3111.78	666.97	0.02
Hempstead Lake	2923.67*	Max WS	771.70	4.70	17.73		17.73	0.000004	0.27	3142.03	667.95	0.02
Hempstead Lake	2909.57*	Max WS	772.45	4.68	17.73		17.73	0.000004	0.27	3169.89	668.64	0.02
Hempstead Lake	2895.47*	Max WS	770.93	4.66	17.73		17.73	0.000004	0.26	3198.27	669.38	0.02
Hempstead Lake	2881.37*	Max WS	771.70	4.64	17.73		17.73	0.000004	0.26	3226.20	670.70	0.02
Hempstead Lake	2867.27*	Max WS	771.69	4.62	17.73		17.73	0.000004	0.26	3253.76	671.71	0.02
Hempstead Lake	2853.17*	Max WS	770.93	4.61	17.73		17.73	0.000004	0.26	3281.54	673.21	0.02
Hempstead Lake	2839.07*	Max WS	771.67	4.59	17.73		17.73	0.000004	0.25	3309.47	674.44	0.02
Hempstead Lake	2824.98*	Max WS	770.92	4.57	17.73		17.73	0.000004	0.25	3335.99	675.75	0.02
Hempstead Lake	2810.88*	Max WS	770.15	4.55	17.73		17.73	0.000004	0.25	3363.55	677.77	0.02
Hempstead Lake	2796.78*	Max WS	769.34	4.53	17.73		17.73	0.000004	0.25	3389.58	679.42	0.02
Hempstead Lake	2782.68*	Max WS	769.33	4.51	17.73		17.73	0.000004	0.24	3416.46	681.20	0.02
Hempstead Lake	2768.58*	Max WS	768.49	4.49	17.73		17.73	0.000004	0.24	3442.87	683.72	0.02
Hempstead Lake	2754.48*	Max WS	768.49	4.47	17.73		17.73	0.000003	0.24	3468.91	686.05	0.02
Hempstead Lake	2740.38*	Max WS	768.49	4.45	17.73		17.73	0.000003	0.24	3495.03	689.55	0.02
Hempstead Lake	2726.28*	Max WS	768.48	4.43	17.73		17.73	0.000003	0.24	3522.07	695.76	0.02
Hempstead Lake	2712.18*	Max WS	768.47	4.41	17.73		17.73	0.000003	0.23	3548.19	707.73	0.02
Hempstead Lake	2698.08*	Max WS	768.47	4.39	17.73		17.73	0.000003	0.23	3575.07	720.81	0.02
Hempstead Lake	2683.98*	Max WS	768.46	4.37	17.73		17.73	0.000003	0.23	3601.50	732.67	0.02
Hempstead Lake	2669.88*	Max WS	768.45	4.35	17.73		17.73	0.000003	0.23	3631.08	740.86	0.02
Hempstead Lake	2655.78*	Max WS	768.44	4.34	17.73		17.73	0.000003	0.23	3658.09	746.41	0.02
Hempstead Lake	2641.68*	Max WS	768.43	4.32	17.73		17.73	0.000003	0.23	3686.37	751.51	0.02
Hempstead Lake	2627.58*	Max WS	768.42	4.30	17.73		17.73	0.000003	0.22	3714.80	757.86	0.02
Hempstead Lake	2613.48*	Max WS	768.42	4.28	17.73		17.73	0.000003	0.22	3743.74	763.96	0.02
Hempstead Lake	2599.38*	Max WS	768.41	4.26	17.73		17.73	0.000003	0.22	3771.48	770.03	0.01
Hempstead Lake	2585.29*	Max WS	768.40	4.24	17.73		17.73	0.000003	0.22	3801.74	777.95	0.01
Hempstead Lake	2571.19*	Max WS	769.06	4.22	17.73		17.73	0.000003	0.22	3831.36	785.50	0.01
Hempstead Lake	2557.091	Max WS	768.39	4.20	17.73		17.73	0.000007	0.21	3861.03	792.62	0.01
Hempstead Lake	2552.091	Max WS	769.01	4.09	17.72		17.73	0.000024	0.29	2804.97	793.26	0.02
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	768.39	4.09	17.72		17.72	0.000023	0.28	2928.09	792.85	0.02
Hempstead Lake	2487.091	Max WS	768.38	4.60	17.72		17.72	0.000005	0.19	4243.24	793.90	0.01
Hempstead Lake	2477.12*	Max WS	768.36	4.58	17.72		17.72	0.000002	0.20	4253.64	800.38	0.01
Hempstead Lake	2467.14*	Max WS	768.35	4.57	17.72		17.72	0.000002	0.20	4269.25	808.36	0.01
Hempstead Lake	2457.17*	Max WS	768.33	4.55	17.72		17.72	0.000002	0.20	4288.93	817.40	0.01
Hempstead Lake	2447.20*	Max WS	768.32	4.53	17.72		17.72	0.000002	0.20	4314.35	828.48	0.01
Hempstead Lake	2437.23*	Max WS	768.31	4.51	17.72		17.72	0.000004	0.20	4347.92	842.31	0.01
Hempstead Lake	2427.26*	Max WS	768.30	4.50	17.72		17.72	0.000004	0.20	4386.46	848.86	0.01
Hempstead Lake	2417.29*	Max WS	768.29	4.48	17.72		17.72	0.000004	0.20	4430.72	854.74	0.01
Hempstead Lake	2407.32*	Max WS	768.29	4.46	17.72		17.72	0.000002	0.20	4479.94	859.20	0.01
Hempstead Lake	2397.35*	Max WS	768.67	4.44	17.72		17.72	0.000002	0.20	4531.69	863.62	0.01
Hempstead Lake	2387.37*	Max WS	768.64	4.43	17.72		17.72	0.000002	0.21	4588.82	867.91	0.01
Hempstead Lake	2377.40*	Max WS	768.61	4.41	17.72		17.72	0.000002	0.21	4650.87	872.63	0.01
Hempstead Lake	2367.43*	Max WS	768.58	4.39	17.72		17.72	0.000002	0.21	4715.32	877.14	0.01
Hempstead Lake	2357.46*	Max WS	768.55	4.37	17.72		17.72	0.000002	0.21	4785.11	881.06	0.01
Hempstead Lake	2347.49*	Max WS	768.52	4.36	17.72		17.72	0.000002	0.21	4858.44	885.50	0.01
Hempstead Lake	2337.52*	Max WS	768.50	4.34	17.72		17.72	0.000002	0.21	4935.99	889.02	0.01
Hempstead Lake	2327.55*	Max WS	768.49	4.32	17.72		17.72	0.000002	0.21	5016.92	893.02	0.01
Hempstead Lake	2317.58*	Max WS	768.47	4.30	17.72		17.72	0.000002	0.21	5103.21	896.95	0.01
Hempstead Lake	2307.60*	Max WS	768.46	4.29	17.72		17.72	0.000002	0.21	5193.88	900.20	0.01
Hempstead Lake	2297.63*	Max WS	768.58	4.27	17.72		17.72	0.000002	0.21	5287.84	903.69	0.01
Hempstead Lake	2287.66*	Max WS	768.52	4.25	17.72		17.72	0.000002	0.21	5384.55	906.49	0.01
Hempstead Lake	2277.69*	Max WS	768.46	4.23	17.72		17.72	0.000002	0.21	5487.19	921.03	0.01
Hempstead Lake	2267.72*	Max WS	768.40	4.22	17.72		17.72	0.000002	0.21	5595.62	937.08	0.01
Hempstead Lake	2257.752	Max WS	768.35	4.20	17.72		17.72	0.000003	0.18	5709.41	952.43	0.01
Hempstead Lake	2252.75*	Max WS	768.32	4.10	17.72		17.72	0.000003	0.20	5660.46	930.55	0.01
Hempstead Lake	2247.752	Max WS	768.29	4.00	17.72		17.72	0.000003	0.19	5613.57	899.13	0.01
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	768.29	3.80	17.71		17.71	0.000005	0.37	4128.88	858.74	0.02
Hempstead Lake	2192.75*	Max WS	768.25	3.75	17.71		17.71	0.000003	0.34	4609.99	855.28	0.02
Hempstead Lake	2187.752	Max WS	768.22	3.70	17.71		17.71	0.000002	0.35	4919.72	852.07	0.02
Hempstead Lake	2178.63*	Max WS	768.19	3.72	17.71		17.71	0.000002	0.36	4774.94	847.86	0.02
Hempstead Lake	2169.52*	Max WS	768.17	3.74	17.71		17.71	0.000003	0.37	4631.15	843.81	0.02
Hempstead Lake	2160.40*	Max WS	768.16	3.76	17.71		17.71	0.000003	0.38	4488.01	839.68	0.02
Hempstead Lake	2151.29*	Max WS	768.14	3.78	17.71		17.71	0.000003	0.39	4345.87	835.60	0.02
Hempstead Lake	2142.17*	Max WS	768.13	3.80	17.71		17.71	0.000003	0.40	4204.42	831.23	0.02
Hempstead Lake	2133.05*	Max WS	768.13	3.82	17.71		17.71	0.000003	0.41	4063.60	826.77	0.02
Hempstead Lake	2123.94*	Max WS	767.92	3.83	17.71		17.71	0.000004	0.42	3924.04	822.47	0.02
Hempstead Lake	2114.82*	Max WS	767.88	3.85	17.71		17.71	0.000004	0.44	3784.95	817.89	0.02
Hempstead Lake	2105.71*	Max WS	767.83	3.87	17.71		17.71	0.000004	0.45	3648.09	813.55	0.03
Hempstead Lake	2096.59*	Max WS	767.80	3.89	17.71		17.71	0.000005	0.47	3511.75	809.58	0.03
Hempstead Lake	2087.48*	Max WS	767.76	3.91	17.71		17.71	0.000005	0.48	3374.62	805.94	0.03
Hempstead Lake	2078.36*	Max WS	767.73	3.93	17.71		17.71	0.000005	0.50	3239.18	802.30	0.03

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2069.25*	Max WS	767.70	3.95	17.71		17.71	0.000006	0.51	3105.36	798.80	0.03
Hempstead Lake	2060.13*	Max WS	767.68	3.97	17.70		17.71	0.000006	0.53	2971.98	795.41	0.03
Hempstead Lake	2051.01*	Max WS	767.66	3.99	17.70		17.71	0.000007	0.55	2840.69	792.05	0.03
Hempstead Lake	2041.90*	Max WS	767.65	4.01	17.70		17.71	0.000008	0.57	2708.74	788.53	0.03
Hempstead Lake	2032.78*	Max WS	767.41	4.03	17.70		17.71	0.000008	0.59	2580.85	784.78	0.03
Hempstead Lake	2023.67*	Max WS	767.34	4.05	17.70		17.71	0.000009	0.61	2452.07	781.76	0.04
Hempstead Lake	2014.55*	Max WS	767.27	4.07	17.70		17.71	0.000010	0.63	2326.13	780.48	0.04
Hempstead Lake	2005.44*	Max WS	767.21	4.08	17.70		17.71	0.000011	0.65	2199.80	787.56	0.04
Hempstead Lake	1996.32*	Max WS	767.16	4.10	17.70		17.71	0.000012	0.68	2081.06	815.52	0.04
Hempstead Lake	1987.20*	Max WS	767.10	4.12	17.70		17.71	0.000013	0.70	1966.01	862.02	0.04
Hempstead Lake	1978.09*	Max WS	767.06	4.14	17.70		17.71	0.000014	0.72	1859.03	867.04	0.04
Hempstead Lake	1968.97*	Max WS	767.03	4.16	17.70		17.71	0.000015	0.75	1753.56	865.27	0.05
Hempstead Lake	1959.86*	Max WS	767.00	4.18	17.70		17.71	0.000016	0.77	1651.01	862.13	0.05
Hempstead Lake	1950.747	Max WS	766.99	4.20	17.70		17.71	0.000018	0.79	1550.71	858.70	0.05
Hempstead Lake	1945.747	Max WS	768.25	4.21	17.70		17.71	0.000054	0.97	1816.68	903.41	0.08
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	409.85	4.50	15.59		15.59	0.000021	0.25	2200.69	820.22	0.02
Hempstead Lake	1880.747	Max WS	409.84	4.45	15.59		15.59	0.000002	0.20	3037.37	863.79	0.02
Hempstead Lake	1848.83*	Max WS	409.77	2.70	15.59		15.59	0.000000	0.09	5149.60	968.60	0.01
Hempstead Lake	1816.92*	Max WS	409.68	0.95	15.59		15.59	0.000000	0.05	7996.86	956.22	0.00
Hempstead Lake	1785.01*	Max WS	409.58	-0.80	15.59		15.59	0.000000	0.04	11524.35	1058.08	0.00
Hempstead Lake	1753.104	Max WS	409.45	-2.55	15.59		15.59	0.000000	0.03	15610.34	1188.35	0.00
Hempstead Lake	1732.65*	Max WS	410.51	-2.75	15.59		15.59	0.000000	0.03	15786.33	1219.89	0.00
Hempstead Lake	1712.21*	Max WS	410.50	-2.95	15.59		15.59	0.000000	0.03	16011.54	1257.11	0.00
Hempstead Lake	1691.76*	Max WS	410.48	-3.14	15.59		15.59	0.000000	0.03	16289.55	1294.64	0.00
Hempstead Lake	1671.32*	Max WS	410.47	-3.34	15.59		15.59	0.000000	0.03	16619.90	1333.12	0.00
Hempstead Lake	1650.87*	Max WS	410.44	-3.54	15.59		15.59	0.000000	0.03	17001.92	1368.32	0.00
Hempstead Lake	1630.434	Max WS	410.41	-3.74	15.59		15.59	0.000000	0.03	17433.00	1401.25	0.00
Hempstead Lake	1610.36*	Max WS	410.38	-3.49	15.59		15.59	0.000000	0.03	16826.92	1386.03	0.00
Hempstead Lake	1590.30*	Max WS	410.34	-3.23	15.59		15.59	0.000000	0.03	16225.54	1368.78	0.00
Hempstead Lake	1570.23*	Max WS	410.29	-2.98	15.59		15.59	0.000000	0.03	15629.11	1350.03	0.00
Hempstead Lake	1550.17*	Max WS	410.24	-2.73	15.59		15.59	0.000000	0.03	15038.96	1330.72	0.00
Hempstead Lake	1530.10*	Max WS	410.18	-2.47	15.59		15.59	0.000000	0.03	14452.20	1310.10	0.00
Hempstead Lake	1510.03*	Max WS	410.12	-2.22	15.59		15.59	0.000000	0.03	13872.81	1287.24	0.00
Hempstead Lake	1489.97*	Max WS	410.05	-1.96	15.59		15.59	0.000000	0.03	13300.93	1260.97	0.00
Hempstead Lake	1469.90*	Max WS	409.98	-1.71	15.59		15.59	0.000000	0.03	12739.23	1227.71	0.00
Hempstead Lake	1449.83*	Max WS	409.91	-1.46	15.59		15.59	0.000000	0.04	12195.63	1184.09	0.00
Hempstead Lake	1429.77*	Max WS	409.82	-1.20	15.59		15.59	0.000000	0.04	11666.92	1157.15	0.00
Hempstead Lake	1409.707	Max WS	412.20	-0.95	15.59		15.59	0.000000	0.04	11149.69	1132.91	0.00
Hempstead Lake	1389.03*	Max WS	8870.98	-0.98	15.57		15.58	0.000010	0.86	11118.90	1125.44	0.04
Hempstead Lake	1368.35*	Max WS	8867.32	-1.00	15.57		15.58	0.000010	0.86	11113.04	1118.71	0.04
Hempstead Lake	1347.67*	Max WS	8867.32	-1.03	15.57		15.58	0.000010	0.86	11107.74	1111.57	0.04
Hempstead Lake	1326.99*	Max WS	8867.31	-1.06	15.57		15.58	0.000010	0.86	11102.01	1104.21	0.04
Hempstead Lake	1306.32*	Max WS	8867.30	-1.08	15.57		15.58	0.000011	0.87	11097.05	1103.66	0.04
Hempstead Lake	1285.64*	Max WS	8867.28	-1.11	15.57		15.58	0.000011	0.87	11098.29	1110.41	0.04
Hempstead Lake	1264.96*	Max WS	8867.26	-1.14	15.57		15.58	0.000011	0.87	11101.80	1110.22	0.04
Hempstead Lake	1244.28*	Max WS	8867.22	-1.16	15.57		15.58	0.000011	0.87	11108.49	1106.00	0.04
Hempstead Lake	1223.61*	Max WS	8867.19	-1.19	15.57		15.58	0.000011	0.87	11117.00	1103.89	0.04
Hempstead Lake	1202.93*	Max WS	8867.15	-1.22	15.57		15.58	0.000011	0.87	11125.14	1101.50	0.04
Hempstead Lake	1182.25*	Max WS	8867.10	-1.24	15.57		15.58	0.000011	0.87	11132.09	1098.27	0.04
Hempstead Lake	1161.57*	Max WS	8867.06	-1.27	15.57		15.58	0.000011	0.87	11138.52	1094.51	0.04
Hempstead Lake	1140.90*	Max WS	8867.00	-1.30	15.57		15.58	0.000011	0.88	11143.88	1090.08	0.04
Hempstead Lake	1120.22*	Max WS	8866.95	-1.32	15.57		15.58	0.000011	0.88	11150.03	1085.51	0.04
Hempstead Lake	1099.54*	Max WS	8866.89	-1.35	15.57		15.58	0.000011	0.88	11152.01	1080.65	0.04
Hempstead Lake	1078.87*	Max WS	8866.83	-1.38	15.57		15.58	0.000011	0.88	11152.12	1075.48	0.04
Hempstead Lake	1058.19*	Max WS	8866.76	-1.40	15.57		15.58	0.000011	0.88	11152.87	1070.25	0.04
Hempstead Lake	1037.515	Max WS	8866.69	-1.43	15.57		15.58	0.000009	0.86	11152.09	1063.07	0.04
Hempstead Lake	1017.08*	Max WS	8941.97	-1.35	15.57		15.58	0.000012	0.89	11126.65	1055.05	0.04
Hempstead Lake	996.645*	Max WS	8941.90	-1.28	15.57		15.58	0.000015	0.89	11100.87	1046.92	0.04
Hempstead Lake	976.210*	Max WS	8941.82	-1.20	15.57		15.58	0.000017	0.89	11073.05	1038.90	0.04
Hempstead Lake	955.775*	Max WS	8939.58	-1.13	15.57		15.58	0.000021	0.89	11044.31	1030.85	0.04
Hempstead Lake	935.340*	Max WS	8939.58	-1.05	15.57		15.58	0.000023	0.89	11012.56	1022.70	0.04
Hempstead Lake	914.905*	Max WS	8939.57	-0.98	15.57		15.58	0.000027	0.89	10980.60	1014.62	0.04
Hempstead Lake	894.471*	Max WS	8939.56	-0.90	15.56		15.58	0.000030	0.88	10945.27	1006.63	0.04
Hempstead Lake	874.036*	Max WS	8939.55	-0.83	15.56		15.58	0.000034	0.88	10909.05	998.32	0.04
Hempstead Lake	853.601*	Max WS	8939.54	-0.75	15.56		15.57	0.000037	0.88	10871.41	990.18	0.04
Hempstead Lake	833.166*	Max WS	8939.53	-0.68	15.56		15.57	0.000041	0.88	10831.26	982.20	0.04
Hempstead Lake	812.731*	Max WS	8939.51	-0.60	15.56		15.57	0.000044	0.87	10789.37	973.84	0.04
Hempstead Lake	792.296*	Max WS	8939.50	-0.53	15.56		15.57	0.000048	0.87	10747.37	965.69	0.04
Hempstead Lake	771.862	Max WS	8939.48	-0.45	15.56		15.57	0.000009	0.92	10701.78	957.56	0.04
Hempstead Lake	750.331*	Max WS	8969.62	-0.53	15.56		15.57	0.000052	0.91	10374.05	959.08	0.04
Hempstead Lake	728.8*	Max WS	8969.60	-0.61	15.56		15.57	0.000053	0.95	10049.82	959.42	0.04
Hempstead Lake	707.269*	Max WS	8969.57	-0.69	15.55		15.57	0.000052	0.99	9732.20	958.19	0.05
Hempstead Lake	685.738*	Max WS	8969.54	-0.77	15.55		15.57	0.000050	1.02	9419.50	954.66	0.05
Hempstead Lake	664.207*	Max WS	8969.51	-0.85	15.55		15.57	0.000048	1.06	9113.18	948.22	0.05
Hempstead Lake	642.676*	Max WS	8969.47	-0.93	15.55		15.57	0.000046	1.09	8815.82	937.24	0.05
Hempstead Lake	621.145*	Max WS	8969.44	-1.02	15.55		15.56	0.000042	1.12	8526.49	918.98	0.05
Hempstead Lake	599.614*	Max WS	8969.40	-1.10	15.54		15.56	0.000038	1.15	8252.91	888.21	0.06
Hempstead Lake	578.083*	Max WS	8969.37	-1.18	15.54		15.56	0.000033	1.17	8001.80	835.06	0.06
Hempstead Lake	556.552*	Max WS	8969.34	-1.26	15.54		15.56	0.000029	1.19	7804.20	719.60	0.06
Hempstead Lake	535.021*	Max WS	8969.31	-1.34	15.54		15.56	0.000024	1.20	7687.43	670.62	0.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	513.490	Max WS	8969.28	-1.42	15.54		15.56	0.000019	1.20	7596.83	655.48	0.06
Hempstead Lake	493.038*	Max WS	9001.75	-1.03	15.53		15.56	0.000045	1.31	7032.18	637.83	0.07
Hempstead Lake	472.587*	Max WS	9001.72	-0.65	15.53		15.56	0.000060	1.42	6484.69	620.24	0.07
Hempstead Lake	452.136*	Max WS	9001.68	-0.26	15.52		15.56	0.000082	1.54	5951.20	602.63	0.08
Hempstead Lake	431.685*	Max WS	9001.65	0.12	15.51		15.56	0.000112	1.68	5433.53	585.21	0.09
Hempstead Lake	411.234*	Max WS	9001.61	0.51	15.50		15.55	0.000150	1.85	4931.34	567.85	0.11
Hempstead Lake	390.783*	Max WS	9001.58	0.90	15.49		15.55	0.000207	2.05	4441.75	550.45	0.12
Hempstead Lake	370.332*	Max WS	9001.54	1.28	15.46		15.55	0.000287	2.29	3967.30	533.07	0.14
Hempstead Lake	349.881*	Max WS	9001.50	1.67	15.43		15.54	0.000401	2.59	3504.25	515.51	0.17
Hempstead Lake	329.430*	Max WS	9001.46	2.05	15.39		15.53	0.000568	2.96	3054.30	497.82	0.21
Hempstead Lake	308.979*	Max WS	9001.42	2.44	15.33		15.52	0.000805	3.46	2609.45	478.97	0.26
Hempstead Lake	288.528*	Max WS	9001.37	2.83	15.23		15.50	0.001153	4.16	2167.56	455.15	0.33
Hempstead Lake	268.077*	Max WS	9001.24	3.21	15.04		15.47	0.001683	5.25	1713.95	426.23	0.46
Hempstead Lake	247.626*	Max WS	9001.24	3.60	14.58		15.45	0.002642	7.48	1203.35	271.83	0.63
Hempstead Lake	227.175*	Max WS	9001.27	3.98	14.31		15.39	0.003414	8.33	1079.97	147.64	0.54
Hempstead Lake	206.724	Max WS	9001.26	4.37	14.03		15.33	0.002546	9.13	985.66	137.96	0.60
Hempstead Lake	201.724	Max WS	9001.26	4.37	14.48	10.46	15.31	0.001467	7.31	1232.08	155.70	0.46
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	9001.26	1.00	11.41		12.11	0.000998	6.97	1343.18	145.15	0.39
Hempstead Lake	166.724	Max WS	9001.25	1.00	11.40	6.65	12.11	0.001000	6.98	1342.31	145.13	0.39

80% EX 1/2 PMF NON-BREACH 8/31/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	41.93	41.92	0.01	0.00		210.63	3114.46	2319.90	805.97
Hempstead Lake	15523.7*	Max WS	41.93	41.92	0.01	0.00		473.99	3000.21	2170.76	796.86
Hempstead Lake	15503.5*	Max WS	41.93	41.92	0.01	0.00		456.90	3046.33	2141.71	790.21
Hempstead Lake	15483.3*	Max WS	41.93	41.92	0.01	0.00		434.17	3097.15	2113.58	786.16
Hempstead Lake	15463.0*	Max WS	41.93	41.92	0.01	0.00		412.22	3143.82	2088.81	781.85
Hempstead Lake	15442.8*	Max WS	41.93	41.92	0.01	0.00		395.94	3177.90	2070.96	774.34
Hempstead Lake	15422.5*	Max WS	41.93	41.92	0.01	0.00		374.13	3209.98	2060.63	766.35
Hempstead Lake	15402.3*	Max WS	41.93	41.92	0.01	0.00		351.06	3226.87	2058.82	755.05
Hempstead Lake	15382.1*	Max WS	41.93	41.92	0.01	0.00		334.76	3234.32	2075.54	739.19
Hempstead Lake	15361.8*	Max WS	41.93	41.92	0.01	0.00		313.38	3244.86	2078.50	730.61
Hempstead Lake	15341.6*	Max WS	41.93	41.92	0.01	0.00		299.77	3265.75	2071.20	728.05
Hempstead Lake	15321.4*	Max WS	41.93	41.92	0.01	0.00		281.10	3293.73	2061.87	728.31
Hempstead Lake	15301.1*	Max WS	41.92	41.91	0.01	0.00		262.55	3319.82	2054.30	729.16
Hempstead Lake	15280.9*	Max WS	41.92	41.91	0.01	0.00		250.18	3339.54	2046.91	729.63
Hempstead Lake	15260.7*	Max WS	41.92	41.91	0.01	0.00		232.12	3358.42	2046.05	729.53
Hempstead Lake	15240.4*	Max WS	41.92	41.91	0.01	0.00		214.00	3373.71	2048.83	728.88
Hempstead Lake	15220.2*	Max WS	41.92	41.91	0.01	0.00		201.73	3380.67	2054.09	727.48
Hempstead Lake	15200.02	Max WS	41.92	41.91	0.01	0.00		183.33	3381.62	2064.03	725.17
Hempstead Lake	15180.7*	Max WS	41.92	41.91	0.01	0.00		204.39	3543.64	1880.94	756.29
Hempstead Lake	15161.4*	Max WS	41.92	41.92	0.01	0.00		224.07	3684.23	1728.03	785.09
Hempstead Lake	15142.1*	Max WS	41.92	41.92	0.01	0.00		241.21	3796.05	1599.02	810.22
Hempstead Lake	15122.8*	Max WS	41.92	41.92	0.01	0.00		256.56	3887.59	1484.81	833.62
Hempstead Lake	15103.5*	Max WS	41.92	41.92	0.01	0.00		270.71	3972.88	1385.36	856.82
Hempstead Lake	15084.2*	Max WS	41.92	41.92	0.01	0.00		289.05	4049.62	1297.41	879.43
Hempstead Lake	15064.9*	Max WS	41.92	41.92	0.00	0.00		301.30	4114.97	1219.75	900.69
Hempstead Lake	15045.6*	Max WS	41.92	41.92	0.00	0.00		309.66	4175.46	1150.82	922.94
Hempstead Lake	15026.4*	Max WS	41.92	41.92	0.00	0.00		319.88	4222.90	1086.14	943.82
Hempstead Lake	15007.1*	Max WS	41.92	41.92	0.00	0.00		332.11	4268.93	1027.88	963.48
Hempstead Lake	14987.82	Max WS	41.92	41.92	0.00	0.00		143.32	4474.36	1011.21	982.41
Hempstead Lake	14966.6*	Max WS	41.92	41.92	0.00	0.00		225.74	4535.07	905.13	1002.77
Hempstead Lake	14945.4*	Max WS	41.92	41.92	0.00	0.00		203.39	4644.00	818.51	1022.92
Hempstead Lake	14924.3*	Max WS	41.92	41.92	0.00	0.00		181.80	4745.10	738.97	1043.03
Hempstead Lake	14903.1*	Max WS	41.92	41.92	0.00	0.00		160.96	4839.28	665.58	1062.68
Hempstead Lake	14882.*	Max WS	41.92	41.92	0.00	0.00		140.75	4926.74	598.27	1082.14
Hempstead Lake	14860.8*	Max WS	41.92	41.92	0.00	0.00		121.29	5008.00	536.41	1100.77
Hempstead Lake	14839.6*	Max WS	41.92	41.92	0.00	0.00		104.82	5081.04	479.78	1341.07
Hempstead Lake	14818.5*	Max WS	41.92	41.92	0.00	0.00		102.22	5136.82	426.51	1444.88
Hempstead Lake	14797.35	Max WS	41.92	41.92	0.00	0.00		48.10	5458.04	159.32	1507.89
Hempstead Lake	14777.4*	Max WS	41.92	41.92	0.00	0.00		103.33	5203.83	351.97	1506.01
Hempstead Lake	14757.4*	Max WS	41.92	41.92	0.00	0.00		98.41	5233.34	333.49	1506.79
Hempstead Lake	14737.5*	Max WS	41.92	41.92	0.00	0.00		92.13	5256.38	310.61	1511.45
Hempstead Lake	14717.5*	Max WS	41.92	41.92	0.00	0.00		92.24	5273.52	293.33	1514.02
Hempstead Lake	14697.6*	Max WS	41.92	41.92	0.00	0.00		94.88	5287.39	276.79	1450.40
Hempstead Lake	14677.6*	Max WS	41.92	41.92	0.00	0.00		99.03	5299.21	260.80	1394.44
Hempstead Lake	14657.7*	Max WS	41.92	41.92	0.00	0.00		102.02	5314.78	242.19	1388.47
Hempstead Lake	14637.7*	Max WS	41.92	41.92	0.00	0.00		105.93	5324.78	228.25	1427.22
Hempstead Lake	14617.8*	Max WS	41.92	41.92	0.00	0.00		106.31	5337.58	215.02	1466.97
Hempstead Lake	14597.8*	Max WS	41.92	41.92	0.00	0.00		109.49	5347.33	202.02	1495.55
Hempstead Lake	14577.9*	Max WS	41.92	41.92	0.00	0.00		110.27	5361.75	186.76	1522.35
Hempstead Lake	14557.9*	Max WS	41.92	41.92	0.00	0.00		112.41	5370.02	176.30	1553.20
Hempstead Lake	14538.0*	Max WS	41.92	41.92	0.00	0.00		114.14	5379.45	165.06	1596.85
Hempstead Lake	14518.0*	Max WS	41.92	41.92	0.00	0.00		112.41	5396.71	149.45	1695.33
Hempstead Lake	14498.1*	Max WS	41.92	41.92	0.00	0.00		110.81	5399.57	148.10	1720.57
Hempstead Lake	14478.1*	Max WS	41.92	41.92	0.00	0.00		111.98	5399.63	146.76	1742.47
Hempstead Lake	14458.2*	Max WS	41.92	41.92	0.00	0.00		112.70	5400.23	145.33	1762.58
Hempstead Lake	14438.2*	Max WS	41.92	41.92	0.00	0.00		109.83	5408.72	139.59	1778.12
Hempstead Lake	14418.3*	Max WS	41.92	41.92	0.00	0.00		109.45	5411.58	136.99	1789.50
Hempstead Lake	14398.37	Max WS	41.92	41.92	0.00	0.00		54.03	5464.39	135.12	1799.53
Hempstead Lake	14378.3*	Max WS	41.92	41.92	0.00	0.00		57.33	5454.36	141.83	1778.56
Hempstead Lake	14358.3*	Max WS	41.92	41.92	0.00	0.00		60.49	5448.21	148.95	1757.94
Hempstead Lake	14338.2*	Max WS	41.92	41.92	0.00	0.00		63.53	5433.79	156.17	1737.75
Hempstead Lake	14318.2*	Max WS	41.92	41.92	0.00	0.00		66.46	5423.15	163.85	1718.10
Hempstead Lake	14298.2*	Max WS	41.92	41.92	0.00	0.00		69.17	5412.26	172.00	1698.90
Hempstead Lake	14278.1*	Max WS	41.92	41.92	0.00	0.00		71.74	5401.04	180.62	1680.46
Hempstead Lake	14258.1*	Max WS	41.92	41.92	0.00	0.00		74.08	5389.65	189.64	1662.90
Hempstead Lake	14238.1*	Max WS	41.92	41.92	0.00	0.00		76.07	5378.06	199.21	1646.91
Hempstead Lake	14218.0*	Max WS	41.92	41.92	0.00	0.00		77.50	5366.45	209.36	1633.47
Hempstead Lake	14198.0*	Max WS	41.92	41.92	0.00	0.00		78.54	5354.45	220.27	1621.71
Hempstead Lake	14178.0*	Max WS	41.92	41.92	0.00	0.00		79.25	5341.39	232.55	1704.61
Hempstead Lake	14157.9*	Max WS	41.92	41.92	0.00	0.00		80.61	5326.12	246.41	1721.42
Hempstead Lake	14137.9*	Max WS	41.92	41.92	0.00	0.00		82.10	5309.72	261.27	1726.66
Hempstead Lake	14117.9*	Max WS	41.92	41.92	0.00	0.00		83.38	5292.73	276.93	1733.78

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	41.92	41.92	0.00	0.00		83.11	5276.38	293.46	1753.34
Hempstead Lake	14077.8*	Max WS	41.92	41.92	0.00	0.00		73.78	5265.38	313.71	1757.69
Hempstead Lake	14057.8*	Max WS	41.92	41.92	0.00	0.00		79.46	5238.75	334.59	1719.94
Hempstead Lake	14037.7*	Max WS	41.92	41.92	0.00	0.00		84.02	5211.58	357.12	1681.78
Hempstead Lake	14017.75	Max WS	41.92	41.92	0.00	0.00		86.82	5186.53	379.29	1643.36
Hempstead Lake	13998.2*	Max WS	41.92	41.92	0.00	0.00		177.87	4999.21	475.49	1634.17
Hempstead Lake	13978.6*	Max WS	41.92	41.92	0.00	0.00		181.81	5016.80	453.88	1624.97
Hempstead Lake	13959.1*	Max WS	41.92	41.92	0.00	0.00		183.60	5034.17	434.64	1615.77
Hempstead Lake	13939.6*	Max WS	41.92	41.92	0.00	0.00		185.30	5051.29	415.75	1606.55
Hempstead Lake	13920.0*	Max WS	41.92	41.92	0.00	0.00		184.24	5075.23	392.80	1595.32
Hempstead Lake	13900.5*	Max WS	41.92	41.92	0.00	0.00		185.72	5089.50	376.97	1583.13
Hempstead Lake	13881.*	Max WS	41.92	41.92	0.00	0.00		186.56	5104.36	361.18	1571.46
Hempstead Lake	13861.4*	Max WS	41.92	41.92	0.00	0.00		186.49	5126.68	338.85	1560.31
Hempstead Lake	13841.9*	Max WS	41.92	41.92	0.00	0.00		186.04	5139.35	324.96	1546.65
Hempstead Lake	13822.3*	Max WS	41.92	41.92	0.00	0.00		181.85	5164.02	306.02	1534.15
Hempstead Lake	13802.8*	Max WS	41.92	41.92	0.00	0.00		180.12	5179.75	291.95	1523.51
Hempstead Lake	13783.3*	Max WS	41.92	41.92	0.00	0.00		175.07	5203.54	273.13	1514.31
Hempstead Lake	13763.7*	Max WS	41.92	41.92	0.00	0.00		170.83	5223.11	256.45	1506.39
Hempstead Lake	13744.2*	Max WS	41.92	41.92	0.00	0.00		166.70	5248.36	236.56	1499.55
Hempstead Lake	13724.7*	Max WS	41.92	41.92	0.00	0.00		161.77	5269.69	220.11	1493.72
Hempstead Lake	13705.1*	Max WS	41.92	41.92	0.00	0.00		152.12	5301.03	198.38	1488.58
Hempstead Lake	13685.63	Max WS	41.92	41.92	0.00	0.00		108.87	5406.98	135.63	1484.28
Hempstead Lake	13666.4*	Max WS	41.92	41.92	0.00	0.00		147.69	5316.20	187.54	1481.47
Hempstead Lake	13647.1*	Max WS	41.92	41.92	0.00	0.00		150.30	5311.95	189.14	1478.65
Hempstead Lake	13627.9*	Max WS	41.92	41.92	0.00	0.00		154.21	5302.40	194.73	1475.86
Hempstead Lake	13608.7*	Max WS	41.92	41.92	0.00	0.00		156.73	5299.01	195.56	1473.06
Hempstead Lake	13589.5*	Max WS	41.92	41.92	0.00	0.00		159.02	5296.29	195.95	1470.26
Hempstead Lake	13570.2*	Max WS	41.92	41.92	0.00	0.00		160.86	5294.84	195.52	1467.37
Hempstead Lake	13551.0*	Max WS	41.92	41.92	0.00	0.00		165.35	5286.14	199.71	1464.44
Hempstead Lake	13531.8*	Max WS	41.92	41.92	0.00	0.00		168.03	5283.45	199.70	1461.59
Hempstead Lake	13512.6*	Max WS	41.92	41.92	0.00	0.00		171.01	5280.51	199.65	1458.78
Hempstead Lake	13493.3*	Max WS	41.92	41.92	0.00	0.00		174.24	5277.98	199.64	1456.08
Hempstead Lake	13474.1*	Max WS	41.92	41.92	0.00	0.00		178.37	5273.09	200.35	1453.30
Hempstead Lake	13454.9*	Max WS	41.92	41.92	0.00	0.00		187.35	5257.36	207.06	1450.72
Hempstead Lake	13435.72	Max WS	41.92	41.92	0.00	0.00		164.85	5019.73	468.01	1448.38
Hempstead Lake	13419.3*	Max WS	41.92	41.92	0.00	0.00		180.02	5276.70	195.01	1452.28
Hempstead Lake	13403.0*	Max WS	41.92	41.92	0.00	0.00		186.01	5282.67	183.05	1456.18
Hempstead Lake	13386.6*	Max WS	41.92	41.92	0.00	0.00		191.46	5289.71	170.55	1460.06
Hempstead Lake	13370.3*	Max WS	41.92	41.92	0.00	0.00		191.91	5306.14	154.42	1463.90
Hempstead Lake	13354.*	Max WS	41.92	41.92	0.00	0.00		195.66	5315.11	141.68	1467.70
Hempstead Lake	13337.6*	Max WS	41.92	41.92	0.00	0.00		198.52	5324.70	129.21	1471.47
Hempstead Lake	13321.3*	Max WS	41.92	41.92	0.00	0.00		199.95	5336.97	116.45	1475.16
Hempstead Lake	13304.9*	Max WS	41.92	41.92	0.00	0.00		201.21	5347.55	104.59	1478.87
Hempstead Lake	13288.6*	Max WS	41.92	41.92	0.00	0.00		201.91	5358.16	93.26	1482.54
Hempstead Lake	13272.29	Max WS	41.92	41.92	0.00	0.00		169.02	5419.34	64.94	1486.17
Hempstead Lake	13255.0*	Max WS	41.92	41.92	0.00	0.00		166.40	5420.24	66.65	1488.06
Hempstead Lake	13237.8*	Max WS	41.92	41.92	0.00	0.00		167.37	5418.24	68.74	1489.87
Hempstead Lake	13220.5*	Max WS	41.92	41.92	0.00	0.00		168.60	5413.84	70.83	1491.63
Hempstead Lake	13203.3*	Max WS	41.92	41.92	0.00	0.00		166.34	5415.64	71.29	1493.30
Hempstead Lake	13186.0*	Max WS	41.92	41.92	0.00	0.00		167.91	5412.84	73.45	1494.89
Hempstead Lake	13168.8*	Max WS	41.92	41.92	0.00	0.00		169.51	5409.14	75.53	1496.36
Hempstead Lake	13151.6*	Max WS	41.92	41.92	0.00	0.00		171.03	5405.58	77.52	1497.74
Hempstead Lake	13134.3*	Max WS	41.92	41.92	0.00	0.00		171.53	5403.52	79.07	1499.00
Hempstead Lake	13117.1*	Max WS	41.92	41.92	0.00	0.00		172.07	5401.47	80.56	1500.06
Hempstead Lake	13099.8*	Max WS	41.92	41.92	0.00	0.00		168.87	5404.99	80.23	1501.02
Hempstead Lake	13082.6*	Max WS	41.92	41.92	0.00	0.00		168.36	5404.58	81.13	1501.80
Hempstead Lake	13065.3*	Max WS	41.92	41.92	0.00	0.00		167.43	5404.82	81.80	1502.37
Hempstead Lake	13048.1*	Max WS	41.92	41.92	0.00	0.00		166.64	5404.81	82.57	1502.69
Hempstead Lake	13030.9*	Max WS	41.92	41.92	0.00	0.00		164.92	5406.31	82.77	1502.73
Hempstead Lake	13013.6*	Max WS	41.92	41.92	0.00	0.00		162.71	5408.40	82.88	1502.42
Hempstead Lake	12996.4*	Max WS	41.92	41.92	0.00	0.00		159.07	5413.43	82.11	1501.89
Hempstead Lake	12979.1*	Max WS	41.92	41.92	0.00	0.00		156.56	5416.17	81.82	1501.47
Hempstead Lake	12961.9*	Max WS	41.92	41.92	0.00	0.00		153.86	5419.15	81.47	1500.89
Hempstead Lake	12944.7*	Max WS	41.92	41.92	0.00	0.00		152.56	5420.06	81.80	1500.07
Hempstead Lake	12927.4*	Max WS	41.92	41.92	0.00	0.00		149.69	5422.99	81.27	1498.97
Hempstead Lake	12910.2*	Max WS	41.92	41.92	0.00	0.00		146.82	5426.57	80.92	1497.40
Hempstead Lake	12892.97	Max WS	41.92	41.92	0.00	0.00		103.32	5456.88	93.74	1495.49
Hempstead Lake	12881.0*	Max WS	41.92	41.92	0.00	0.00		127.62	6416.85	72.04	1493.46
Hempstead Lake	12869.1*	Max WS	41.92	41.92	0.00	0.00		127.44	6418.15	72.57	1491.21
Hempstead Lake	12857.1*	Max WS	41.92	41.92	0.00	0.00		127.13	6417.76	73.22	1488.49
Hempstead Lake	12845.2*	Max WS	41.92	41.92	0.00	0.00		126.87	6417.29	73.88	1485.57
Hempstead Lake	12833.3*	Max WS	41.92	41.92	0.00	0.00		126.59	6416.86	74.55	1482.26

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	41.92	41.92	0.00	0.00		126.35	6414.76	75.38	1478.40
Hempstead Lake	12809.4*	Max WS	41.92	41.92	0.00	0.00		126.14	6415.39	76.37	1474.18
Hempstead Lake	12797.5*	Max WS	41.92	41.92	0.00	0.00		125.80	6413.22	77.46	1469.41
Hempstead Lake	12785.6*	Max WS	41.92	41.92	0.00	0.00		125.49	6413.69	78.61	1464.39
Hempstead Lake	12773.7*	Max WS	41.92	41.92	0.00	0.00		125.17	6411.56	79.73	1459.77
Hempstead Lake	12761.7*	Max WS	41.92	41.92	0.00	0.00		124.87	6411.84	80.98	1455.21
Hempstead Lake	12749.8*	Max WS	41.92	41.92	0.00	0.00		124.60	6410.67	82.37	1450.36
Hempstead Lake	12737.9*	Max WS	41.92	41.92	0.00	0.00		124.30	6409.44	83.84	1445.43
Hempstead Lake	12726.0*	Max WS	41.92	41.92	0.00	0.00		123.94	6407.12	85.41	1440.12
Hempstead Lake	12714.0*	Max WS	41.92	41.92	0.00	0.00		123.57	6406.78	87.13	1434.86
Hempstead Lake	12702.1*	Max WS	41.92	41.92	0.00	0.00		123.23	6404.72	88.52	1431.14
Hempstead Lake	12690.2*	Max WS	41.92	41.92	0.00	0.00		122.85	6404.57	89.97	1427.29
Hempstead Lake	12678.3*	Max WS	41.92	41.92	0.00	0.00		122.61	6403.12	91.61	1423.64
Hempstead Lake	12666.3*	Max WS	41.92	41.92	0.00	0.00		122.20	6401.11	93.14	1419.84
Hempstead Lake	12654.4*	Max WS	41.92	41.92	0.00	0.00		121.82	6399.89	94.74	1416.16
Hempstead Lake	12642.5*	Max WS	41.92	41.92	0.00	0.00		121.48	6399.40	96.31	1412.95
Hempstead Lake	12630.6*	Max WS	41.92	41.91	0.00	0.00		121.10	6398.15	97.89	1409.51
Hempstead Lake	12618.6*	Max WS	41.92	41.91	0.00	0.00		120.77	6397.02	99.29	1407.31
Hempstead Lake	12606.7*	Max WS	41.92	41.91	0.00	0.00		120.37	6396.16	100.50	1405.21
Hempstead Lake	12594.8*	Max WS	41.92	41.91	0.00	0.00		119.99	6395.16	101.84	1403.08
Hempstead Lake	12582.9*	Max WS	41.92	41.91	0.00	0.00		119.60	6394.27	103.07	1400.95
Hempstead Lake	12570.9*	Max WS	41.92	41.91	0.00	0.00		119.14	6392.95	104.35	1398.91
Hempstead Lake	12559.0*	Max WS	41.92	41.91	0.00	0.00		118.77	6392.36	105.71	1396.83
Hempstead Lake	12547.1*	Max WS	41.92	41.91	0.00	0.00		118.45	6391.03	106.96	1394.75
Hempstead Lake	12535.2*	Max WS	41.92	41.91	0.00	0.00		117.97	6390.19	108.27	1392.76
Hempstead Lake	12523.27	Max WS	41.92	41.91	0.00	0.00		117.69	6394.36	104.63	1390.70
Hempstead Lake	12515.8*	Max WS	41.92	41.91	0.00	0.00		179.03	6773.23	109.32	1377.47
Hempstead Lake	12508.3*	Max WS	41.92	41.91	0.00	0.00		190.79	6764.76	106.83	1364.17
Hempstead Lake	12500.9*	Max WS	41.92	41.91	0.00	0.00		199.84	6758.59	103.92	1350.89
Hempstead Lake	12493.4*	Max WS	41.92	41.91	0.00	0.00		208.68	6752.51	100.40	1337.51
Hempstead Lake	12486.0*	Max WS	41.92	41.91	0.00	0.00		219.98	6745.91	96.42	1324.09
Hempstead Lake	12478.5*	Max WS	41.92	41.91	0.00	0.00		228.32	6742.00	91.96	1310.61
Hempstead Lake	12471.1*	Max WS	41.92	41.91	0.00	0.00		236.08	6738.94	87.23	1297.10
Hempstead Lake	12463.7*	Max WS	41.92	41.91	0.00	0.00		246.92	6733.15	82.15	1283.47
Hempstead Lake	12456.2*	Max WS	41.92	41.91	0.00	0.00		254.15	6731.13	76.92	1269.80
Hempstead Lake	12448.8*	Max WS	41.92	41.91	0.00	0.00		260.83	6729.89	71.45	1255.90
Hempstead Lake	12441.3*	Max WS	41.92	41.91	0.00	0.00		271.01	6725.15	65.98	1241.96
Hempstead Lake	12433.9*	Max WS	41.92	41.91	0.00	0.00		281.56	6718.62	61.40	1227.83
Hempstead Lake	12426.4*	Max WS	41.92	41.91	0.00	0.00		286.99	6719.32	55.79	1213.51
Hempstead Lake	12419.0*	Max WS	41.92	41.91	0.00	0.00		296.04	6715.88	50.16	1198.76
Hempstead Lake	12411.5*	Max WS	41.92	41.91	0.00	0.00		300.54	6716.36	45.15	1182.68
Hempstead Lake	12404.1*	Max WS	41.92	41.91	0.00	0.00		304.49	6717.80	39.75	1168.35
Hempstead Lake	12396.6*	Max WS	41.92	41.91	0.00	0.00		307.75	6719.87	34.39	1154.13
Hempstead Lake	12389.2*	Max WS	41.92	41.91	0.00	0.00		315.27	6716.99	29.31	1139.54
Hempstead Lake	12381.8*	Max WS	41.92	41.91	0.00	0.00		320.82	6715.82	24.93	1124.33
Hempstead Lake	12374.3*	Max WS	41.92	41.91	0.00	0.00		321.80	6719.59	20.55	1108.82
Hempstead Lake	12366.9*	Max WS	41.92	41.91	0.00	0.00		327.31	6717.74	16.51	1092.81
Hempstead Lake	12359.46	Max WS	41.92	41.91	0.00	0.00		147.06	6908.99	5.85	1076.32
Hempstead Lake	12350.7*	Max WS	41.92	41.91	0.00	0.00		344.82	6994.69	14.28	1063.13
Hempstead Lake	12342.0*	Max WS	41.92	41.91	0.00	0.00		348.82	6989.86	15.08	1049.97
Hempstead Lake	12333.3*	Max WS	41.92	41.91	0.00	0.00		352.55	6985.31	15.87	1036.74
Hempstead Lake	12324.7*	Max WS	41.92	41.91	0.00	0.00		351.20	6985.86	16.65	1023.44
Hempstead Lake	12316.0*	Max WS	41.92	41.91	0.00	0.00		355.19	6980.97	17.52	1010.26
Hempstead Lake	12307.3*	Max WS	41.92	41.91	0.00	0.00		359.02	6976.24	18.39	996.91
Hempstead Lake	12298.6*	Max WS	41.92	41.91	0.00	0.00		362.79	6970.99	19.28	983.64
Hempstead Lake	12289.9*	Max WS	41.92	41.91	0.00	0.00		363.32	6970.20	20.08	970.40
Hempstead Lake	12281.2*	Max WS	41.91	41.91	0.00	0.00		366.94	6965.10	21.02	956.98
Hempstead Lake	12272.5*	Max WS	41.91	41.91	0.00	0.00		365.52	6965.45	22.08	943.28
Hempstead Lake	12263.8*	Max WS	41.91	41.91	0.00	0.00		369.05	6960.84	23.15	929.45
Hempstead Lake	12255.1*	Max WS	41.91	41.91	0.00	0.00		372.36	6956.42	24.27	915.65
Hempstead Lake	12246.4*	Max WS	41.91	41.91	0.00	0.00		375.70	6952.92	24.43	906.28
Hempstead Lake	12237.7*	Max WS	41.91	41.91	0.00	0.00		378.62	6949.23	25.19	894.84
Hempstead Lake	12229.1*	Max WS	41.91	41.91	0.00	0.00		381.79	6945.63	26.01	883.29
Hempstead Lake	12220.4*	Max WS	41.91	41.91	0.00	0.00		380.08	6946.40	26.92	871.52
Hempstead Lake	12211.7*	Max WS	41.91	41.91	0.00	0.00		382.98	6942.42	27.98	859.69
Hempstead Lake	12203.0*	Max WS	41.91	41.91	0.01	0.00		385.63	6938.68	29.05	847.59
Hempstead Lake	12194.3*	Max WS	41.91	41.91	0.01	0.00		387.91	6934.95	30.17	835.34
Hempstead Lake	12185.6*	Max WS	41.91	41.91	0.01	0.00		390.25	6931.60	31.46	823.07
Hempstead Lake	12176.9*	Max WS	41.91	41.91	0.01	0.00		392.54	6927.96	32.78	810.50
Hempstead Lake	12168.2*	Max WS	41.91	41.91	0.01	0.00		386.92	6932.44	33.90	797.95
Hempstead Lake	12159.5*	Max WS	41.91	41.91	0.01	0.00		388.71	6929.11	35.42	785.08
Hempstead Lake	12150.8*	Max WS	41.91	41.91	0.01	0.00		390.10	6925.96	36.97	772.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	41.91	41.91	0.01	0.00		360.56	6956.94	35.52	759.09
Hempstead Lake	12133.5*	Max WS	41.91	41.91	0.01	0.00		359.44	6956.81	36.93	745.79
Hempstead Lake	12124.8*	Max WS	41.91	41.91	0.01	0.00		358.01	6956.75	38.25	732.67
Hempstead Lake	12116.1*	Max WS	41.91	41.90	0.01	0.00		352.81	6960.59	39.61	719.29
Hempstead Lake	12107.4*	Max WS	41.91	41.90	0.01	0.00		350.48	6961.49	41.04	706.02
Hempstead Lake	12098.7*	Max WS	41.91	41.90	0.01	0.00		347.77	6962.90	42.43	692.34
Hempstead Lake	12090.0*	Max WS	41.91	41.90	0.01	0.00		344.91	6964.29	43.88	678.48
Hempstead Lake	12081.3*	Max WS	41.91	41.90	0.01	0.00		341.58	6966.03	45.40	664.71
Hempstead Lake	12072.6*	Max WS	41.91	41.90	0.01	0.00		337.92	6968.30	46.78	650.66
Hempstead Lake	12063.9*	Max WS	41.91	41.90	0.01	0.00		330.59	6974.15	48.28	636.64
Hempstead Lake	12055.2*	Max WS	41.91	41.90	0.01	0.00		319.12	6985.13	48.74	622.37
Hempstead Lake	12046.5*	Max WS	41.91	41.90	0.01	0.00		314.05	6988.83	50.12	608.01
Hempstead Lake	12037.9*	Max WS	41.91	41.90	0.01	0.00		308.37	6993.11	51.48	593.62
Hempstead Lake	12029.2*	Max WS	41.91	41.90	0.01	0.00		302.16	6997.98	52.86	578.92
Hempstead Lake	12020.5*	Max WS	41.91	41.90	0.02	0.00		295.50	7003.25	54.19	564.28
Hempstead Lake	12011.8*	Max WS	41.91	41.89	0.02	0.00		285.48	7012.14	55.37	549.46
Hempstead Lake	12003.1*	Max WS	41.91	41.89	0.02	0.00		277.68	7018.71	56.59	534.53
Hempstead Lake	11994.45	Max WS	41.91	41.89	0.02	0.00		365.85	6892.54	94.51	519.51
Hempstead Lake	11989.45	Max WS	41.91	41.89	0.02			393.34	6911.94	99.51	518.89
Hempstead Lake	11979.45		Culvert								
Hempstead Lake	11969.45	Max WS	40.52	38.53	1.99	0.00			6487.32		462.21
Hempstead Lake	11964.45	Max WS	39.47	39.43	0.03	0.00		365.42	6972.62	66.72	476.31
Hempstead Lake	11954.6*	Max WS	39.47	39.43	0.04	0.00		225.26	7127.21	52.29	483.57
Hempstead Lake	11944.8*	Max WS	39.47	39.43	0.04	0.00		233.24	7113.13	58.33	491.63
Hempstead Lake	11934.9*	Max WS	39.47	39.43	0.04	0.00		239.80	7099.44	65.45	500.90
Hempstead Lake	11925.1*	Max WS	39.47	39.42	0.04	0.00		247.11	7083.54	74.11	512.11
Hempstead Lake	11915.3*	Max WS	39.46	39.42	0.04	0.00		312.21	6987.92	104.63	524.63
Hempstead Lake	11905.5*	Max WS	39.46	39.42	0.04	0.00		315.10	6969.75	119.90	536.57
Hempstead Lake	11895.6*	Max WS	39.46	39.42	0.04	0.00		317.62	6947.64	139.49	548.80
Hempstead Lake	11885.8*	Max WS	39.46	39.42	0.04	0.00		319.11	6922.35	163.29	560.81
Hempstead Lake	11876.0*	Max WS	39.46	39.42	0.05	0.00		320.24	6891.99	192.51	573.76
Hempstead Lake	11866.2*	Max WS	39.46	39.41	0.05	0.00		319.87	6857.05	227.74	586.43
Hempstead Lake	11856.4*	Max WS	39.46	39.41	0.05	0.00		318.84	6815.98	269.83	599.96
Hempstead Lake	11846.5*	Max WS	39.46	39.41	0.05	0.00		317.35	6761.61	325.78	606.16
Hempstead Lake	11836.7*	Max WS	39.46	39.41	0.05	0.00		314.03	6698.44	392.26	607.82
Hempstead Lake	11826.9*	Max WS	39.46	39.41	0.05	0.00		273.47	6720.96	410.30	609.47
Hempstead Lake	11817.1*	Max WS	39.45	39.40	0.05	0.00		271.22	6649.07	484.33	611.13
Hempstead Lake	11807.2*	Max WS	39.45	39.40	0.05	0.00		267.99	6572.21	564.53	612.78
Hempstead Lake	11797.46	Max WS	39.45	39.40	0.05	0.00		214.03	6538.50	652.09	614.44
Hempstead Lake	11792.46	Max WS	39.45	39.40	0.05			219.63	6598.38	586.61	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	37.83	37.71	0.11	0.00		214.03	5518.50	92.28	614.44
Hempstead Lake	11627.46	Max WS	37.82	37.72	0.10	0.00		211.07	5540.81	70.42	614.44
Hempstead Lake	11623.2*	Max WS	37.82	37.73	0.08	0.00		390.74	5248.33	180.94	645.38
Hempstead Lake	11619.1*	Max WS	37.81	37.74	0.07	0.00		403.48	5207.21	206.84	676.31
Hempstead Lake	11614.94	Max WS	37.81	37.73	0.08	0.00		231.29	5465.86	117.69	707.25
Hempstead Lake	11612.94	Max WS	37.81	37.73	0.07			229.38	5472.85	111.31	707.25
Hempstead Lake	11606.94		Culvert								
Hempstead Lake	11600.94	Max WS	35.80	35.77	0.03	0.00			695.25		686.04
Hempstead Lake	11598.94	Max WS	35.80	35.79	0.00	0.00		11.26	763.53	2.03	687.40
Hempstead Lake	11573.9*	Max WS	35.80	35.79	0.00	0.00		16.75	759.81	0.91	760.60
Hempstead Lake	11548.9*	Max WS	35.80	35.79	0.00	0.00		27.24	749.00	0.58	834.95
Hempstead Lake	11523.9*	Max WS	35.80	35.79	0.00	0.00		42.83	734.23	0.40	911.24
Hempstead Lake	11498.9*	Max WS	35.80	35.79	0.00	0.00		63.68	713.48	0.28	988.67
Hempstead Lake	11473.9*	Max WS	35.80	35.80	0.00	0.00		90.77	686.46	0.20	1066.72
Hempstead Lake	11448.9*	Max WS	35.80	35.80	0.00	0.00		120.16	657.44	0.14	1143.91
Hempstead Lake	11423.9*	Max WS	35.80	35.80	0.00	0.00		152.02	625.93	0.10	1214.19
Hempstead Lake	11398.9*	Max WS	35.80	35.80	0.00	0.00		188.03	589.02	0.07	1285.19
Hempstead Lake	11373.9*	Max WS	35.80	35.80	0.00	0.00		222.57	555.09	0.05	1356.52
Hempstead Lake	11349.*	Max WS	35.80	35.80	0.00	0.00		257.08	520.88	0.03	1427.91
Hempstead Lake	11324.*	Max WS	35.80	35.80	0.00	0.00		297.49	480.20	0.02	1499.58
Hempstead Lake	11299.0*	Max WS	35.80	35.80	0.00	0.00		331.17	446.51	0.01	1521.27
Hempstead Lake	11274.0*	Max WS	35.80	35.80	0.00	0.00		363.48	413.91	0.01	1580.75
Hempstead Lake	11249.0*	Max WS	35.80	35.80	0.00	0.00		399.40	378.27	0.00	1642.94
Hempstead Lake	11224.0*	Max WS	35.80	35.80	0.00	0.00		429.10	348.55	0.00	1706.79
Hempstead Lake	11199.0*	Max WS	35.80	35.80	0.00	0.00		456.92	320.46	0.00	1776.28
Hempstead Lake	11174.0*	Max WS	35.80	35.80	0.00	0.00		482.95	293.91	0.00	1845.92
Hempstead Lake	11149.0*	Max WS	35.80	35.80	0.00	0.00		512.99	264.61	0.00	1915.48
Hempstead Lake	11124.0*	Max WS	35.80	35.80	0.00	0.00		535.95	241.64	0.00	1985.28
Hempstead Lake	11099.0*	Max WS	35.80	35.80	0.00	0.00		557.06	220.30	0.00	2055.37
Hempstead Lake	11074.0*	Max WS	35.80	35.80	0.00	0.00		581.81	196.00		2125.28
Hempstead Lake	11049.07	Max WS	35.80	35.80	0.00	0.00		447.16	330.40		2195.40

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	35.80	35.80	0.00	0.00		583.33	193.77		2169.88
Hempstead Lake	11027.7*	Max WS	35.80	35.80	0.00	0.00		571.92	205.39		2144.30
Hempstead Lake	11017.0*	Max WS	35.80	35.80	0.00	0.00		554.92	222.62		2118.92
Hempstead Lake	11006.4*	Max WS	35.80	35.80	0.00	0.00		536.73	240.80		2095.15
Hempstead Lake	10995.7*	Max WS	35.80	35.80	0.00	0.00		522.88	254.84		2071.57
Hempstead Lake	10985.0*	Max WS	35.80	35.80	0.00	0.00		502.59	274.73		2048.06
Hempstead Lake	10974.4*	Max WS	35.80	35.80	0.00	0.00		487.21	290.47		2019.56
Hempstead Lake	10963.7*	Max WS	35.80	35.80	0.00	0.00		465.54	311.97		1897.21
Hempstead Lake	10953.1*	Max WS	35.80	35.80	0.00	0.00		443.31	334.18		1804.06
Hempstead Lake	10942.4*	Max WS	35.80	35.80	0.00	0.00		425.25	352.04		1784.68
Hempstead Lake	10931.7*	Max WS	35.80	35.80	0.00	0.00		401.52	375.96		1765.27
Hempstead Lake	10921.1*	Max WS	35.80	35.80	0.00	0.00		377.12	400.17		1746.00
Hempstead Lake	10910.4*	Max WS	35.80	35.80	0.00	0.00		357.51	419.94		1727.09
Hempstead Lake	10899.7*	Max WS	35.80	35.80	0.00	0.00		332.42	445.02		1708.02
Hempstead Lake	10889.1*	Max WS	35.80	35.80	0.00	0.00		307.34	470.09		1689.23
Hempstead Lake	10878.4*	Max WS	35.80	35.80	0.00	0.00		286.90	490.53		1670.27
Hempstead Lake	10867.8*	Max WS	35.80	35.80	0.00	0.00		261.93	515.35		1651.28
Hempstead Lake	10857.1*	Max WS	35.80	35.80	0.00	0.00		241.69	535.88		1632.56
Hempstead Lake	10846.4*	Max WS	35.80	35.80	0.00	0.00		217.70	559.71		1613.75
Hempstead Lake	10835.8*	Max WS	35.80	35.80	0.00	0.00		194.66	582.88		1595.01
Hempstead Lake	10825.1*	Max WS	35.80	35.80	0.00	0.00		175.66	601.74		1576.48
Hempstead Lake	10814.4*	Max WS	35.80	35.80	0.00	0.00		154.48	622.91		1557.87
Hempstead Lake	10803.8*	Max WS	35.80	35.80	0.00	0.00		134.55	642.73		1539.37
Hempstead Lake	10793.1*	Max WS	35.80	35.80	0.00	0.00		118.50	658.88		1520.94
Hempstead Lake	10782.4*	Max WS	35.80	35.80	0.00	0.00		101.96	675.30		1502.57
Hempstead Lake	10771.8*	Max WS	35.80	35.80	0.00	0.00		86.88	690.37		1484.28
Hempstead Lake	10761.1*	Max WS	35.80	35.80	0.00	0.00		74.76	702.61		1466.06
Hempstead Lake	10750.5*	Max WS	35.80	35.80	0.00	0.00		62.39	714.62		1447.84
Hempstead Lake	10739.8*	Max WS	35.80	35.80	0.00	0.00		51.49	725.87		1429.76
Hempstead Lake	10729.1*	Max WS	35.80	35.80	0.00	0.00		42.77	734.77		1411.73
Hempstead Lake	10718.5*	Max WS	35.80	35.80	0.00	0.00		34.37	742.98		1393.86
Hempstead Lake	10707.8*	Max WS	35.80	35.80	0.00	0.00		27.68	749.44		1376.20
Hempstead Lake	10697.1*	Max WS	35.80	35.80	0.00	0.00		21.54	755.79		1357.91
Hempstead Lake	10686.5*	Max WS	35.80	35.80	0.00	0.00		16.45	760.78		1339.50
Hempstead Lake	10675.8*	Max WS	35.80	35.80	0.00	0.00		12.50	764.72		1321.34
Hempstead Lake	10665.2*	Max WS	35.80	35.80	0.00	0.00		9.06	768.25		1303.58
Hempstead Lake	10654.5*	Max WS	35.80	35.80	0.00	0.00		6.37	770.94		1285.96
Hempstead Lake	10643.8*	Max WS	35.80	35.80	0.00	0.00		4.37	772.94		1268.97
Hempstead Lake	10633.2*	Max WS	35.80	35.80	0.00	0.00		2.78	774.45		1252.19
Hempstead Lake	10622.5*	Max WS	35.80	35.80	0.00	0.00		1.65	775.57		1235.94
Hempstead Lake	10611.8*	Max WS	35.80	35.80	0.00	0.00		0.89	776.32		1220.25
Hempstead Lake	10601.2*	Max WS	35.80	35.80	0.00	0.00		0.40	776.81		1204.72
Hempstead Lake	10590.5*	Max WS	35.80	35.80	0.00	0.00		0.14	777.07		1189.37
Hempstead Lake	10579.8*	Max WS	35.80	35.80	0.00	0.00		0.02	777.14		1174.23
Hempstead Lake	10569.23	Max WS	35.80	35.80	0.00	0.00		0.00	777.33		1159.34
Hempstead Lake	10549.1*	Max WS	35.80	35.80	0.00	0.00			777.32		1152.13
Hempstead Lake	10529.0*	Max WS	35.80	35.80	0.00	0.00			777.31		1143.25
Hempstead Lake	10508.9*	Max WS	35.80	35.80	0.00	0.00			777.30		1136.24
Hempstead Lake	10488.7*	Max WS	35.80	35.80	0.00	0.00			777.08		1129.73
Hempstead Lake	10468.6*	Max WS	35.80	35.80	0.00	0.00			777.15		1125.69
Hempstead Lake	10448.5*	Max WS	35.80	35.80	0.00	0.00			777.28		1122.18
Hempstead Lake	10428.4*	Max WS	35.80	35.80	0.00	0.00			777.23		1118.83
Hempstead Lake	10408.3*	Max WS	35.80	35.80	0.00	0.00			777.22		1115.51
Hempstead Lake	10388.2*	Max WS	35.80	35.80	0.00	0.00			777.21		1112.44
Hempstead Lake	10368.1*	Max WS	35.80	35.80	0.00	0.00			777.25		1109.51
Hempstead Lake	10348.0*	Max WS	35.80	35.80	0.00	0.00			777.23		1106.63
Hempstead Lake	10327.9*	Max WS	35.80	35.80	0.00	0.00			777.21		1103.76
Hempstead Lake	10307.8*	Max WS	35.80	35.80	0.00	0.00			777.17		1101.07
Hempstead Lake	10287.7*	Max WS	35.80	35.80	0.00	0.00			777.16		1098.37
Hempstead Lake	10267.6*	Max WS	35.80	35.80	0.00	0.00			777.14		1095.69
Hempstead Lake	10247.4*	Max WS	35.80	35.80	0.00	0.00			777.19		1093.03
Hempstead Lake	10227.3*	Max WS	35.80	35.80	0.00	0.00			777.16		1090.52
Hempstead Lake	10207.2*	Max WS	35.80	35.80	0.00	0.00			777.12		1088.00
Hempstead Lake	10187.1*	Max WS	35.80	35.80	0.00	0.00			777.11		1085.53
Hempstead Lake	10167.0*	Max WS	35.80	35.80	0.00	0.00			777.17		1083.05
Hempstead Lake	10146.9*	Max WS	35.80	35.80	0.00	0.00			777.16		1080.77
Hempstead Lake	10126.8*	Max WS	35.80	35.80	0.00	0.00			777.15		1078.38
Hempstead Lake	10106.7*	Max WS	35.80	35.80	0.00	0.00			777.14		1076.08
Hempstead Lake	10086.6*	Max WS	35.80	35.80	0.00	0.00		0.00	777.14		1081.86
Hempstead Lake	10066.5*	Max WS	35.80	35.80	0.00	0.00		0.00	777.13		1099.80
Hempstead Lake	10046.4*	Max WS	35.80	35.80	0.00	0.00		0.02	777.12		1159.47
Hempstead Lake	10026.2*	Max WS	35.80	35.80	0.00	0.00		0.06	777.07		1170.12

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	35.80	35.80	0.00	0.00		0.12	777.00		1181.21
Hempstead Lake	9986.073	Max WS	35.80	35.80	0.00	0.00		0.17	776.93		1192.43
Hempstead Lake	9965.77*	Max WS	35.80	35.80	0.00	0.00		0.14	776.96		1189.85
Hempstead Lake	9945.47*	Max WS	35.80	35.80	0.00	0.00		0.11	776.99		1186.49
Hempstead Lake	9925.18*	Max WS	35.80	35.80	0.00	0.00		0.08	777.01	0.00	1182.65
Hempstead Lake	9904.88*	Max WS	35.80	35.80	0.00	0.00		0.05	777.00	0.00	1177.76
Hempstead Lake	9884.59*	Max WS	35.80	35.80	0.00	0.00		0.03	777.05	0.00	1171.90
Hempstead Lake	9864.29*	Max WS	35.80	35.80	0.00	0.00		0.02	777.05	0.01	1122.83
Hempstead Lake	9843.99*	Max WS	35.80	35.80	0.00	0.00		0.01	777.11	0.01	1097.82
Hempstead Lake	9823.7*	Max WS	35.80	35.80	0.00	0.00		0.00	777.10	0.02	1084.92
Hempstead Lake	9803.40*	Max WS	35.80	35.80	0.00	0.00		0.00	777.14	0.03	1069.93
Hempstead Lake	9783.10*	Max WS	35.80	35.80	0.00	0.00		0.00	777.01	0.04	1053.17
Hempstead Lake	9762.81*	Max WS	35.80	35.80	0.00	0.00		0.00	776.99	0.05	1045.31
Hempstead Lake	9742.51*	Max WS	35.80	35.80	0.00	0.00		0.00	777.03	0.06	1043.57
Hempstead Lake	9722.21*	Max WS	35.80	35.80	0.00	0.00		0.01	777.03	0.08	1041.44
Hempstead Lake	9701.92*	Max WS	35.80	35.80	0.00	0.00		0.01	776.92	0.10	1039.40
Hempstead Lake	9681.62*	Max WS	35.80	35.80	0.00	0.00		0.02	776.93	0.13	1037.07
Hempstead Lake	9661.32*	Max WS	35.80	35.80	0.00	0.00		0.03	776.89	0.15	1034.74
Hempstead Lake	9641.03*	Max WS	35.80	35.80	0.00	0.00		0.04	776.92	0.19	1032.11
Hempstead Lake	9620.73*	Max WS	35.80	35.80	0.00	0.00		0.06	776.73	0.23	1029.42
Hempstead Lake	9600.43*	Max WS	35.80	35.80	0.00	0.00		0.07	776.72	0.27	1026.67
Hempstead Lake	9580.14*	Max WS	35.80	35.80	0.00	0.00		0.09	776.72	0.30	1023.96
Hempstead Lake	9559.84*	Max WS	35.80	35.80	0.00	0.00		0.11	776.54	0.34	1021.10
Hempstead Lake	9539.54*	Max WS	35.80	35.80	0.00	0.00		0.13	776.52	0.39	1018.17
Hempstead Lake	9519.25*	Max WS	35.80	35.80	0.00	0.00		0.16	776.44	0.45	1015.24
Hempstead Lake	9498.95*	Max WS	35.80	35.80	0.00	0.00		0.18	776.56	0.51	1012.73
Hempstead Lake	9478.65*	Max WS	35.80	35.80	0.00	0.00		0.20	776.26	0.57	1012.27
Hempstead Lake	9458.36*	Max WS	35.80	35.80	0.00	0.00		0.22	776.24	0.63	1011.53
Hempstead Lake	9438.06*	Max WS	35.80	35.80	0.00	0.00		0.26	776.13	0.70	1008.64
Hempstead Lake	9417.76*	Max WS	35.80	35.80	0.00	0.00		0.30	776.14	0.78	1005.22
Hempstead Lake	9397.47*	Max WS	35.80	35.80	0.00	0.00		0.34	775.83	0.85	1001.61
Hempstead Lake	9377.17*	Max WS	35.80	35.80	0.00	0.00		0.38	775.70	0.93	999.69
Hempstead Lake	9356.87*	Max WS	35.80	35.80	0.00	0.00		0.43	775.77	1.02	997.81
Hempstead Lake	9336.58*	Max WS	35.80	35.80	0.00	0.00		0.48	775.42	1.10	995.85
Hempstead Lake	9316.28*	Max WS	35.80	35.80	0.00	0.00		0.53	775.27	1.20	993.47
Hempstead Lake	9295.98*	Max WS	35.80	35.80	0.00	0.00		0.59	775.24	1.30	991.30
Hempstead Lake	9275.69*	Max WS	35.80	35.80	0.00	0.00		0.66	775.03	1.39	989.12
Hempstead Lake	9255.39*	Max WS	35.80	35.80	0.00	0.00		0.72	774.84	1.50	986.99
Hempstead Lake	9235.09*	Max WS	35.80	35.80	0.00	0.00		0.79	774.73	1.61	984.70
Hempstead Lake	9214.80*	Max WS	35.80	35.80	0.00	0.00		0.87	774.38	1.73	982.56
Hempstead Lake	9194.50*	Max WS	35.80	35.80	0.00	0.00		0.95	774.26	1.85	980.07
Hempstead Lake	9174.20*	Max WS	35.80	35.80	0.00	0.00		1.03	774.13	1.98	977.96
Hempstead Lake	9153.910	Max WS	35.80	35.80	0.00	0.00		1.13	774.09	1.83	975.65
Hempstead Lake	9133.22*	Max WS	35.80	35.80	0.00	0.00		1.13	799.38	1.84	982.40
Hempstead Lake	9112.54*	Max WS	35.80	35.80	0.00	0.00		1.10	799.44	1.80	989.14
Hempstead Lake	9091.85*	Max WS	35.80	35.80	0.00	0.00		1.07	799.69	1.75	996.08
Hempstead Lake	9071.17*	Max WS	35.80	35.80	0.00	0.00		1.04	799.76	1.71	1003.07
Hempstead Lake	9050.49*	Max WS	35.80	35.80	0.00	0.00		1.02	799.83	1.67	1010.01
Hempstead Lake	9029.80*	Max WS	35.80	35.80	0.00	0.00		0.99	799.71	1.63	1017.20
Hempstead Lake	9009.12*	Max WS	35.80	35.80	0.00	0.00		0.96	799.77	1.59	1024.40
Hempstead Lake	8988.44*	Max WS	35.80	35.80	0.00	0.00		0.93	800.02	1.54	1031.59
Hempstead Lake	8967.75*	Max WS	35.80	35.80	0.00	0.00		0.91	799.91	1.50	1039.12
Hempstead Lake	8947.07*	Max WS	35.80	35.80	0.00	0.00		0.88	799.97	1.46	1046.92
Hempstead Lake	8926.39*	Max WS	35.80	35.80	0.00	0.00		0.86	800.14	1.42	1054.78
Hempstead Lake	8905.70*	Max WS	35.80	35.80	0.00	0.00		0.86	800.12	1.42	1062.81
Hempstead Lake	8885.02*	Max WS	35.80	35.80	0.00	0.00		0.83	800.07	1.38	1071.11
Hempstead Lake	8864.33*	Max WS	35.80	35.80	0.00	0.00		0.81	800.25	1.34	1079.50
Hempstead Lake	8843.65*	Max WS	35.80	35.80	0.00	0.00		0.78	800.51	1.29	1088.25
Hempstead Lake	8822.97*	Max WS	35.80	35.80	0.00	0.00		0.76	800.49	1.25	1097.28
Hempstead Lake	8802.28*	Max WS	35.80	35.80	0.00	0.00		0.74	800.21	1.21	1106.41
Hempstead Lake	8781.60*	Max WS	35.80	35.80	0.00	0.00		0.72	800.49	1.17	1116.57
Hempstead Lake	8760.92*	Max WS	35.80	35.80	0.00	0.00		0.70	800.94	1.13	1126.76
Hempstead Lake	8740.23*	Max WS	35.80	35.80	0.00	0.00		0.68	801.00	1.08	1137.34
Hempstead Lake	8719.55*	Max WS	35.80	35.80	0.00	0.00		0.66	800.78	1.04	1148.69
Hempstead Lake	8698.86*	Max WS	35.80	35.80	0.00	0.00		0.63	801.04	1.00	1166.57
Hempstead Lake	8678.18*	Max WS	35.80	35.80	0.00	0.00		0.57	801.13	0.96	1202.06
Hempstead Lake	8657.50*	Max WS	35.80	35.80	0.00	0.00		0.53	801.02	0.92	1245.24
Hempstead Lake	8636.81*	Max WS	35.80	35.80	0.00	0.00		0.50	801.19	0.88	1315.57
Hempstead Lake	8616.13*	Max WS	35.80	35.80	0.00	0.00		0.55	801.17	0.84	1354.00
Hempstead Lake	8595.45*	Max WS	35.80	35.80	0.00	0.00		0.61	800.93	0.80	1394.43
Hempstead Lake	8574.76*	Max WS	35.80	35.80	0.00	0.00		0.69	801.11	0.76	1442.35
Hempstead Lake	8554.08*	Max WS	35.80	35.80	0.00	0.00		0.78	800.93	0.72	1488.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	35.80	35.80	0.00	0.00		0.92	801.06	0.69	1519.02
Hempstead Lake	8512.71*	Max WS	35.80	35.80	0.00	0.00		1.09	800.70	0.65	1536.50
Hempstead Lake	8492.03*	Max WS	35.80	35.80	0.00	0.00		1.26	800.54	0.61	1560.04
Hempstead Lake	8471.34*	Max WS	35.80	35.80	0.00	0.00		1.45	800.63	0.58	1583.15
Hempstead Lake	8450.66*	Max WS	35.80	35.80	0.00	0.00		1.66	800.33	0.54	1604.59
Hempstead Lake	8429.980	Max WS	35.80	35.80	0.00	0.00		1.86	800.05	0.49	1626.02
Hempstead Lake	8416.34*	Max WS	35.80	35.80	0.00	0.00		1.79	800.48	0.50	1633.67
Hempstead Lake	8402.71*	Max WS	35.80	35.80	0.00	0.00		1.72	800.54	0.50	1641.78
Hempstead Lake	8389.07*	Max WS	35.80	35.80	0.00	0.00		1.65	800.74	0.50	1650.26
Hempstead Lake	8375.44*	Max WS	35.80	35.80	0.00	0.00		1.58	800.67	0.50	1658.95
Hempstead Lake	8361.81*	Max WS	35.80	35.80	0.00	0.00		1.52	800.23	0.50	1668.49
Hempstead Lake	8348.17*	Max WS	35.80	35.80	0.00	0.00		1.46	800.92	0.50	1678.73
Hempstead Lake	8334.54*	Max WS	35.80	35.80	0.00	0.00		1.39	800.75	0.50	1688.85
Hempstead Lake	8320.91*	Max WS	35.80	35.80	0.00	0.00		1.33	800.66	0.50	1700.66
Hempstead Lake	8307.27*	Max WS	35.80	35.80	0.00	0.00		1.27	800.86	0.50	1714.12
Hempstead Lake	8293.64*	Max WS	35.80	35.80	0.00	0.00		1.22	801.02	0.50	1726.79
Hempstead Lake	8280.00*	Max WS	35.80	35.80	0.00	0.00		1.17	800.96	0.50	1740.51
Hempstead Lake	8266.37*	Max WS	35.80	35.80	0.00	0.00		1.12	801.24	0.50	1753.73
Hempstead Lake	8252.74*	Max WS	35.80	35.80	0.00	0.00		1.06	801.52	0.50	1767.33
Hempstead Lake	8239.10*	Max WS	35.80	35.80	0.00	0.00		1.03	801.32	0.50	1777.10
Hempstead Lake	8225.47*	Max WS	35.80	35.80	0.00	0.00		0.99	801.59	0.50	1786.77
Hempstead Lake	8211.84*	Max WS	35.80	35.80	0.00	0.00		0.95	801.88	0.50	1798.09
Hempstead Lake	8198.20*	Max WS	35.80	35.80	0.00	0.00		0.91	801.84	0.50	1810.35
Hempstead Lake	8184.57*	Max WS	35.80	35.80	0.00	0.00		0.88	801.22	0.50	1823.90
Hempstead Lake	8170.93*	Max WS	35.80	35.80	0.00	0.00		0.84	801.25	0.50	1838.50
Hempstead Lake	8157.30*	Max WS	35.80	35.80	0.00	0.00		1.06	801.28	0.50	1779.08
Hempstead Lake	8143.67*	Max WS	35.80	35.80	0.00	0.00		1.08	801.15	0.50	1764.26
Hempstead Lake	8130.03*	Max WS	35.80	35.80	0.00	0.00		1.08	801.26	0.50	1760.41
Hempstead Lake	8116.40*	Max WS	35.80	35.80	0.00	0.00		1.08	801.38	0.50	1758.05
Hempstead Lake	8102.76*	Max WS	35.80	35.80	0.00	0.00		1.09	801.36	0.50	1755.47
Hempstead Lake	8089.13*	Max WS	35.80	35.80	0.00	0.00		1.09	801.56	0.50	1760.97
Hempstead Lake	8075.50*	Max WS	35.80	35.80	0.00	0.00		1.10	801.34	0.50	1768.26
Hempstead Lake	8061.86*	Max WS	35.80	35.80	0.00	0.00		1.12	801.44	0.50	1781.81
Hempstead Lake	8048.23*	Max WS	35.80	35.80	0.00	0.00		1.13	801.42	0.50	1802.28
Hempstead Lake	8034.6*	Max WS	35.80	35.80	0.00	0.00		1.15	801.59	0.51	1824.17
Hempstead Lake	8020.96*	Max WS	35.80	35.80	0.00	0.00		1.17	801.49	0.51	1836.36
Hempstead Lake	8007.33*	Max WS	35.80	35.80	0.00	0.00		1.19	801.56	0.51	1848.12
Hempstead Lake	7993.69*	Max WS	35.80	35.80	0.00	0.00		1.22	801.52	0.50	1866.27
Hempstead Lake	7980.06*	Max WS	35.80	35.80	0.00	0.00		1.25	801.73	0.51	1893.33
Hempstead Lake	7966.43*	Max WS	35.80	35.80	0.00	0.00		1.29	801.76	0.50	1919.80
Hempstead Lake	7952.79*	Max WS	35.80	35.80	0.00	0.00		1.32	801.72	0.51	1972.31
Hempstead Lake	7939.16*	Max WS	35.80	35.80	0.00	0.00		1.36	801.67	0.51	2020.12
Hempstead Lake	7925.53*	Max WS	35.80	35.80	0.00	0.00		1.42	801.67	0.51	2077.65
Hempstead Lake	7911.89*	Max WS	35.80	35.80	0.00	0.00		1.47	801.60	0.51	2129.04
Hempstead Lake	7898.26*	Max WS	35.80	35.80	0.00	0.00		1.54	801.55	0.51	2178.56
Hempstead Lake	7884.62*	Max WS	35.80	35.80	0.00	0.00		1.62	801.39	0.51	2228.84
Hempstead Lake	7870.99*	Max WS	35.80	35.80	0.00	0.00		1.70	801.40	0.51	2275.27
Hempstead Lake	7857.36*	Max WS	35.80	35.80	0.00	0.00		1.79	801.31	0.51	2322.21
Hempstead Lake	7843.72*	Max WS	35.80	35.80	0.00	0.00		1.64	801.42	0.51	2884.58
Hempstead Lake	7830.09*	Max WS	35.80	35.80	0.00	0.00		1.83	801.24	0.51	2890.28
Hempstead Lake	7816.45*	Max WS	35.80	35.80	0.00	0.00		2.04	801.05	0.51	2896.12
Hempstead Lake	7802.82*	Max WS	35.80	35.80	0.00	0.00		2.24	800.85	0.51	2902.30
Hempstead Lake	7789.19*	Max WS	35.80	35.80	0.00	0.00		2.48	800.60	0.51	2908.29
Hempstead Lake	7775.55*	Max WS	35.80	35.80	0.00	0.00		2.72	800.34	0.51	2914.44
Hempstead Lake	7761.92*	Max WS	35.80	35.80	0.00	0.00		2.98	800.08	0.51	2922.08
Hempstead Lake	7748.29*	Max WS	35.80	35.80	0.00	0.00		3.25	799.79	0.51	2929.28
Hempstead Lake	7734.65*	Max WS	35.80	35.80	0.00	0.00		3.53	799.49	0.51	2938.08
Hempstead Lake	7721.02*	Max WS	35.80	35.80	0.00	0.00		3.84	799.23	0.51	2945.81
Hempstead Lake	7707.38*	Max WS	35.80	35.80	0.00	0.00		4.13	798.93	0.51	2955.04
Hempstead Lake	7693.75*	Max WS	35.80	35.80	0.00	0.00		4.45	798.40	0.51	2963.51
Hempstead Lake	7680.12*	Max WS	35.80	35.80	0.00	0.00		4.75	798.02	0.51	2973.28
Hempstead Lake	7666.48*	Max WS	35.80	35.80	0.00	0.00		5.10	797.74	0.51	2983.37
Hempstead Lake	7652.85*	Max WS	35.80	35.80	0.00	0.00		5.43	797.39	0.51	2992.86
Hempstead Lake	7639.22*	Max WS	35.80	35.80	0.00	0.00		5.79	797.15	0.51	3003.73
Hempstead Lake	7625.58*	Max WS	35.80	35.80	0.00	0.00		6.15	795.52	0.51	3014.96
Hempstead Lake	7611.95*	Max WS	35.80	35.80	0.00	0.00		6.50	795.55	0.51	3026.18
Hempstead Lake	7598.31*	Max WS	35.80	35.80	0.00	0.00		6.87	795.33	0.51	3039.96
Hempstead Lake	7584.68*	Max WS	35.80	35.80	0.00	0.00		7.25	795.15	0.52	3052.32
Hempstead Lake	7571.05*	Max WS	35.80	35.80	0.00	0.00		7.64	794.74	0.52	3064.46
Hempstead Lake	7557.41*	Max WS	35.80	35.80	0.00	0.00		8.00	792.33	0.52	3078.84
Hempstead Lake	7543.783	Max WS	35.80	35.80	0.00	0.00		8.51	792.67	0.48	3144.78
Hempstead Lake	7530.03*	Max WS	35.80	35.80	0.00	0.00		9.20	806.70	0.57	3160.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	35.80	35.80	0.00	0.00		9.57	806.06	0.59	3176.61
Hempstead Lake	7502.53*	Max WS	35.80	35.80	0.00	0.00		9.95	805.88	0.62	3192.25
Hempstead Lake	7488.79*	Max WS	35.80	35.80	0.00	0.00		10.33	805.71	0.64	3209.08
Hempstead Lake	7475.04*	Max WS	35.80	35.80	0.00	0.00		10.72	804.27	0.66	3227.39
Hempstead Lake	7461.29*	Max WS	35.80	35.80	0.00	0.00		11.11	804.15	0.69	3244.75
Hempstead Lake	7447.54*	Max WS	35.80	35.80	0.00	0.00		11.52	803.70	0.72	3264.42
Hempstead Lake	7433.79*	Max WS	35.80	35.80	0.00	0.00		11.93	803.52	0.73	3300.21
Hempstead Lake	7420.04*	Max WS	35.80	35.80	0.00	0.00		12.35	803.30	0.76	3322.54
Hempstead Lake	7406.3*	Max WS	35.80	35.80	0.00	0.00		12.75	801.57	0.80	3329.79
Hempstead Lake	7392.55*	Max WS	35.80	35.80	0.00	0.00		13.18	801.08	0.84	3336.64
Hempstead Lake	7378.80*	Max WS	35.80	35.80	0.00	0.00		13.63	801.14	0.88	3344.78
Hempstead Lake	7365.05*	Max WS	35.80	35.80	0.00	0.00		14.07	800.64	0.91	3352.42
Hempstead Lake	7351.30*	Max WS	35.80	35.80	0.00	0.00		14.48	797.90	0.95	3360.13
Hempstead Lake	7337.55*	Max WS	35.80	35.80	0.00	0.00		14.94	798.13	0.98	3368.48
Hempstead Lake	7323.81*	Max WS	35.80	35.80	0.00	0.00		15.43	799.18	1.02	3376.37
Hempstead Lake	7310.06*	Max WS	35.80	35.80	0.00	0.00		15.90	798.66	1.06	3386.36
Hempstead Lake	7296.31*	Max WS	35.80	35.80	0.00	0.00		16.36	798.41	1.09	3397.89
Hempstead Lake	7282.56*	Max WS	35.80	35.80	0.00	0.00		16.80	796.81	1.12	3409.87
Hempstead Lake	7268.81*	Max WS	35.80	35.80	0.00	0.00		17.27	796.28	1.16	3422.40
Hempstead Lake	7255.06*	Max WS	35.80	35.80	0.00	0.00		17.75	796.10	1.19	3435.53
Hempstead Lake	7241.32*	Max WS	35.80	35.80	0.00	0.00		18.18	793.07	1.22	3449.84
Hempstead Lake	7227.57*	Max WS	35.80	35.80	0.00	0.00		18.70	794.11	1.25	3464.89
Hempstead Lake	7213.82*	Max WS	35.80	35.80	0.00	0.00		19.18	793.60	1.28	3480.25
Hempstead Lake	7200.07*	Max WS	35.80	35.80	0.00	0.00		19.67	793.07	1.31	3495.37
Hempstead Lake	7186.32*	Max WS	35.80	35.80	0.00	0.00		20.13	790.96	1.33	3512.86
Hempstead Lake	7172.57*	Max WS	35.80	35.80	0.00	0.00		20.63	790.41	1.36	3530.61
Hempstead Lake	7158.83*	Max WS	35.80	35.80	0.00	0.00		21.17	791.13	1.39	3548.47
Hempstead Lake	7145.08*	Max WS	35.80	35.80	0.00	0.00		21.68	790.58	1.42	3568.42
Hempstead Lake	7131.33*	Max WS	35.80	35.80	0.00	0.00		22.15	787.96	1.45	3589.36
Hempstead Lake	7117.58*	Max WS	35.80	35.80	0.00	0.00		22.66	788.96	1.48	3619.79
Hempstead Lake	7103.83*	Max WS	35.80	35.80	0.00	0.00		23.16	788.91	1.51	3648.59
Hempstead Lake	7090.08*	Max WS	35.80	35.80	0.00	0.00		22.92	788.73	1.49	3676.64
Hempstead Lake	7076.34*	Max WS	35.80	35.80	0.00	0.00		23.40	787.54	1.51	3705.77
Hempstead Lake	7062.59*	Max WS	35.80	35.80	0.00	0.00		23.75	787.54	1.53	3736.13
Hempstead Lake	7048.84*	Max WS	35.80	35.80	0.00	0.00		23.04	787.85	1.56	3765.63
Hempstead Lake	7035.09*	Max WS	35.80	35.80	0.00	0.00		23.66	787.46	1.59	3769.78
Hempstead Lake	7021.34*	Max WS	35.80	35.80	0.00	0.00		24.26	786.49	1.61	3773.93
Hempstead Lake	7007.6*	Max WS	35.80	35.80	0.00	0.00		24.89	786.10	1.64	3778.09
Hempstead Lake	6993.85*	Max WS	35.80	35.80	0.00	0.00		25.51	785.30	1.66	3782.24
Hempstead Lake	6980.10*	Max WS	35.80	35.80	0.00	0.00		26.16	785.08	1.69	3786.39
Hempstead Lake	6966.35*	Max WS	35.80	35.80	0.00	0.00		24.80	726.45	60.28	5549.19
Hempstead Lake	6952.60*	Max WS	35.80	35.80	0.00	0.00		25.36	724.69	61.89	5531.42
Hempstead Lake	6938.85*	Max WS	35.80	35.80	0.00	0.00		25.90	722.53	63.68	5526.15
Hempstead Lake	6925.11*	Max WS	35.80	35.80	0.00	0.00		26.45	720.99	64.11	5521.79
Hempstead Lake	6911.36*	Max WS	35.80	35.80	0.00	0.00		27.01	718.78	66.04	5518.56
Hempstead Lake	6897.61*	Max WS	35.80	35.80	0.00	0.00		27.54	716.46	68.09	5515.55
Hempstead Lake	6883.86*	Max WS	35.80	35.80	0.00	0.00		28.02	712.67	70.13	5513.68
Hempstead Lake	6870.11*	Max WS	35.80	35.80	0.00	0.00		28.63	711.84	70.78	5511.61
Hempstead Lake	6856.36*	Max WS	35.80	35.80	0.00	0.00		29.16	709.16	73.11	5509.87
Hempstead Lake	6842.62*	Max WS	35.80	35.80	0.00	0.00		29.67	706.14	75.60	5507.78
Hempstead Lake	6828.87*	Max WS	35.80	35.80	0.00	0.00		30.18	702.75	78.30	5504.65
Hempstead Lake	6815.12*	Max WS	35.80	35.80	0.00	0.00		30.74	700.84	79.33	5497.25
Hempstead Lake	6801.37*	Max WS	35.80	35.80	0.00	0.00		31.24	697.61	82.29	5495.34
Hempstead Lake	6787.62*	Max WS	35.80	35.80	0.00	0.00		31.71	693.85	85.37	5494.08
Hempstead Lake	6773.87*	Max WS	35.80	35.80	0.00	0.00		32.52	689.00	89.57	5492.87
Hempstead Lake	6760.13*	Max WS	35.80	35.80	0.00	0.00		33.14	687.86	90.68	5492.08
Hempstead Lake	6746.38*	Max WS	35.80	35.80	0.00	0.00		33.60	683.34	94.41	5485.69
Hempstead Lake	6732.634	Max WS	35.80	35.80	0.00	0.00		33.63	678.13	100.01	5475.61
Hempstead Lake	6718.98*	Max WS	35.80	35.80	0.00	0.00		39.18	673.18	99.27	5450.00
Hempstead Lake	6705.33*	Max WS	35.80	35.80	0.00	0.00		40.03	670.26	101.11	5423.13
Hempstead Lake	6691.68*	Max WS	35.80	35.80	0.00	0.00		40.90	670.12	100.16	5392.91
Hempstead Lake	6678.03*	Max WS	35.80	35.80	0.00	0.00		41.27	667.66	102.09	5361.56
Hempstead Lake	6664.38*	Max WS	35.80	35.80	0.00	0.00		42.01	664.45	103.93	5328.48
Hempstead Lake	6650.72*	Max WS	35.80	35.80	0.00	0.00		42.81	661.91	105.97	5290.43
Hempstead Lake	6637.07*	Max WS	35.80	35.80	0.00	0.00		43.67	662.19	105.18	5257.75
Hempstead Lake	6623.42*	Max WS	35.80	35.80	0.00	0.00		44.50	659.16	107.17	5240.60
Hempstead Lake	6609.77*	Max WS	35.80	35.80	0.00	0.00		45.37	656.19	109.08	5223.41
Hempstead Lake	6596.12*	Max WS	35.80	35.80	0.00	0.00		46.26	653.25	111.19	5206.87
Hempstead Lake	6582.47*	Max WS	35.80	35.80	0.00	0.00		54.32	754.59	1.71	3794.56
Hempstead Lake	6568.82*	Max WS	35.80	35.80	0.00	0.00		55.89	752.79	1.65	3788.50
Hempstead Lake	6555.17*	Max WS	35.80	35.80	0.00	0.00		57.25	751.68	1.60	3782.45
Hempstead Lake	6541.52*	Max WS	35.80	35.80	0.00	0.00		58.21	750.79	1.57	3776.40

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	35.80	35.80	0.00	0.00		59.63	749.40	1.52	3770.34
Hempstead Lake	6514.22*	Max WS	35.80	35.80	0.00	0.00		61.13	747.94	1.46	3764.29
Hempstead Lake	6500.57*	Max WS	35.80	35.80	0.00	0.00		62.76	746.36	1.40	3758.24
Hempstead Lake	6486.91*	Max WS	35.80	35.80	0.00	0.00		64.38	744.77	1.37	3752.18
Hempstead Lake	6473.26*	Max WS	35.80	35.80	0.00	0.00		66.06	743.14	1.31	3746.13
Hempstead Lake	6459.61*	Max WS	35.80	35.80	0.00	0.00		67.42	741.83	1.25	3740.07
Hempstead Lake	6445.96*	Max WS	35.80	35.80	0.00	0.00		69.24	740.07	1.22	3725.26
Hempstead Lake	6432.31*	Max WS	35.80	35.80	0.00	0.00		71.81	737.50	1.16	3709.61
Hempstead Lake	6418.66*	Max WS	35.80	35.80	0.00	0.00		73.44	735.93	1.11	3695.58
Hempstead Lake	6405.01*	Max WS	35.80	35.80	0.00	0.00		75.56	733.82	1.07	3683.59
Hempstead Lake	6391.36*	Max WS	35.80	35.80	0.00	0.00		77.75	731.72	1.02	3672.92
Hempstead Lake	6377.71*	Max WS	35.80	35.80	0.00	0.00		80.07	729.44	0.96	3662.47
Hempstead Lake	6364.06*	Max WS	35.80	35.80	0.00	0.00		83.07	726.47	0.92	3652.24
Hempstead Lake	6350.41*	Max WS	35.80	35.80	0.00	0.00		85.67	723.92	0.87	3641.86
Hempstead Lake	6336.76*	Max WS	35.80	35.80	0.00	0.00		88.40	721.22	0.81	3631.97
Hempstead Lake	6323.11*	Max WS	35.80	35.80	0.00	0.00		90.83	718.85	0.77	3622.24
Hempstead Lake	6309.45*	Max WS	35.80	35.80	0.00	0.00		93.87	715.85	0.72	3612.69
Hempstead Lake	6295.80*	Max WS	35.80	35.80	0.00	0.00		98.60	711.16	0.66	3602.76
Hempstead Lake	6282.15*	Max WS	35.80	35.80	0.00	0.00		101.65	708.12	0.62	3593.47
Hempstead Lake	6268.507	Max WS	35.80	35.80	0.00	0.00		106.03	703.87	0.49	3584.42
Hempstead Lake	6259.72*	Max WS	35.80	35.80	0.00	0.00		82.45	727.56	0.36	3383.02
Hempstead Lake	6250.93*	Max WS	35.80	35.80	0.00	0.00		64.32	745.79	0.26	3182.19
Hempstead Lake	6242.14*	Max WS	35.80	35.80	0.00	0.00		49.07	761.11	0.20	2980.92
Hempstead Lake	6233.35*	Max WS	35.80	35.80	0.00	0.00		37.01	773.19	0.15	2777.23
Hempstead Lake	6224.57*	Max WS	35.80	35.80	0.00	0.00		26.51	762.86	20.99	3225.29
Hempstead Lake	6215.78*	Max WS	35.80	35.80	0.00	0.00		18.96	779.94	11.46	2894.35
Hempstead Lake	6206.99*	Max WS	35.80	35.80	0.00	0.00		12.84	792.07	5.43	2561.45
Hempstead Lake	6198.21*	Max WS	35.80	35.80	0.00	0.00		8.10	800.14	2.12	2230.66
Hempstead Lake	6189.42*	Max WS	35.80	35.80	0.00	0.00		4.34	805.44	0.56	1916.58
Hempstead Lake	6180.638	Max WS	35.80	35.80	0.00	0.00		1.88	808.40	0.06	1541.19
Hempstead Lake	6177.638	Max WS	35.80	35.80	0.00			2.52	807.74	0.08	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	20.83	20.80	0.03	0.04			810.30		232.83
Hempstead Lake	5930.638	Max WS	20.78	20.77	0.01	0.02			810.30		289.73
Hempstead Lake	5880.638	Max WS	20.76	20.75	0.01	0.02			810.29		303.75
Hempstead Lake	5830.638	Max WS	20.75	20.74	0.01	0.02			810.29		293.52
Hempstead Lake	5780.638	Max WS	20.72	20.71	0.01	0.03			810.29		290.56
Hempstead Lake	5730.638	Max WS	20.69	20.68	0.02	0.03			796.59	13.69	316.61
Hempstead Lake	5680.638	Max WS	20.67	20.66	0.01	0.02			639.10	171.18	410.31
Hempstead Lake	5630.638	Max WS	20.64	20.63	0.01	0.03			497.15	313.12	440.87
Hempstead Lake	5580.638	Max WS	20.62	20.61	0.01	0.04			507.48	302.78	551.33
Hempstead Lake	5530.638	Max WS	20.58	20.57	0.01	0.06			558.12	252.14	621.80
Hempstead Lake	5480.638	Max WS	20.51	20.49	0.02	0.14			589.36	220.90	595.71
Hempstead Lake	5430.638	Max WS	20.34	20.32	0.03	0.11			625.99	184.27	603.11
Hempstead Lake	5380.638	Max WS	20.20	20.16	0.04	0.18			745.96	64.29	630.54
Hempstead Lake	5330.638	Max WS	19.36	19.25	0.11	0.87			737.97	72.29	497.19
Hempstead Lake	5307.48*	Max WS	18.50	18.33	0.17	0.36			810.26		325.69
Hempstead Lake	5284.32*	Max WS	17.86	17.82	0.04	0.04			565.83		346.69
Hempstead Lake	5261.17*	Max WS	17.77	17.76	0.01	0.01			488.63		376.67
Hempstead Lake	5238.01*	Max WS	17.76	17.75	0.00	0.00			486.64		400.78
Hempstead Lake	5214.85*	Max WS	17.75	17.75	0.00	0.00			543.13		422.00
Hempstead Lake	5191.70*	Max WS	17.75	17.75	0.00	0.00			477.87		441.79
Hempstead Lake	5168.54*	Max WS	17.75	17.75	0.00	0.00		0.01	477.85		457.71
Hempstead Lake	5145.39*	Max WS	17.75	17.75	0.00	0.00		0.16	477.68		466.52
Hempstead Lake	5122.23*	Max WS	17.75	17.75	0.00	0.00		0.50	477.34		471.39
Hempstead Lake	5099.07*	Max WS	17.75	17.75	0.00	0.00		0.97	476.85		475.05
Hempstead Lake	5075.922	Max WS	17.75	17.75	0.00	0.00		0.64	477.17		477.79
Hempstead Lake	5055.96*	Max WS	17.75	17.75	0.00	0.00		0.87	476.92		559.35
Hempstead Lake	5036.01*	Max WS	17.75	17.75	0.00	0.00		0.38	477.40		658.52
Hempstead Lake	5016.05*	Max WS	17.75	17.75	0.00	0.00		0.10	477.65		670.75
Hempstead Lake	4996.10*	Max WS	17.75	17.75	0.00	0.00		0.01	477.72		670.61
Hempstead Lake	4976.14*	Max WS	17.75	17.75	0.00	0.00			477.71		666.20
Hempstead Lake	4956.192	Max WS	17.75	17.75	0.00	0.00			477.68		688.88
Hempstead Lake	4936.44*	Max WS	17.75	17.75	0.00	0.00			477.65		781.47
Hempstead Lake	4916.69*	Max WS	17.75	17.75	0.00	0.00		0.02	477.74		852.87
Hempstead Lake	4896.94*	Max WS	17.75	17.75	0.00	0.00		0.11	477.64	0.01	882.60
Hempstead Lake	4877.19*	Max WS	17.75	17.75	0.00	0.00		0.30	477.37	0.08	897.85
Hempstead Lake	4857.44*	Max WS	17.75	17.75	0.00	0.00		0.59	476.89	0.25	908.06
Hempstead Lake	4837.697	Max WS	17.75	17.75	0.00	0.00		0.39	476.77	0.57	928.35
Hempstead Lake	4817.64*	Max WS	17.75	17.75	0.00	0.00		2.05	748.24	0.67	912.76
Hempstead Lake	4797.59*	Max WS	17.75	17.75	0.00	0.00		2.71	747.73	0.49	907.33
Hempstead Lake	4777.53*	Max WS	17.75	17.75	0.00	0.00		3.66	746.88	0.37	908.24

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	17.75	17.75	0.00	0.00		4.81	745.79	0.28	908.92
Hempstead Lake	4737.42*	Max WS	17.75	17.75	0.00	0.00		6.09	744.56	0.20	908.50
Hempstead Lake	4717.37*	Max WS	17.75	17.75	0.00	0.00		7.51	743.18	0.14	907.39
Hempstead Lake	4697.32*	Max WS	17.75	17.75	0.00	0.00		9.07	741.65	0.09	905.81
Hempstead Lake	4677.26*	Max WS	17.75	17.75	0.00	0.00		10.95	739.79	0.06	903.83
Hempstead Lake	4657.21*	Max WS	17.75	17.75	0.00	0.00		12.81	737.93	0.03	901.70
Hempstead Lake	4637.16*	Max WS	17.75	17.75	0.00	0.00		14.73	736.00	0.02	899.46
Hempstead Lake	4617.10*	Max WS	17.75	17.75	0.00	0.00		16.73	733.99	0.01	897.01
Hempstead Lake	4597.05*	Max WS	17.75	17.75	0.00	0.00		18.79	731.96	0.00	894.50
Hempstead Lake	4577.*	Max WS	17.75	17.75	0.00	0.00		21.13	729.61	0.00	892.00
Hempstead Lake	4556.94*	Max WS	17.75	17.75	0.00	0.00		23.39	727.33	0.00	889.44
Hempstead Lake	4536.893	Max WS	17.75	17.75	0.00	0.00		15.12	735.58		886.80
Hempstead Lake	4516.70*	Max WS	17.75	17.75	0.00	0.00		28.14	729.32	0.00	887.84
Hempstead Lake	4496.51*	Max WS	17.75	17.75	0.00	0.00		28.32	729.11	0.03	888.30
Hempstead Lake	4476.32*	Max WS	17.75	17.75	0.00	0.00		27.83	729.53	0.08	888.49
Hempstead Lake	4456.14*	Max WS	17.75	17.75	0.00	0.00		27.96	729.28	0.18	888.09
Hempstead Lake	4435.95*	Max WS	17.75	17.75	0.00	0.00		28.11	728.95	0.33	887.50
Hempstead Lake	4415.76*	Max WS	17.75	17.75	0.00	0.00		27.77	729.07	0.53	886.80
Hempstead Lake	4395.57*	Max WS	17.75	17.75	0.00	0.00		28.19	728.40	0.78	886.07
Hempstead Lake	4375.38*	Max WS	17.75	17.75	0.00	0.00		27.83	728.45	1.07	885.25
Hempstead Lake	4355.20*	Max WS	17.75	17.75	0.00	0.00		28.24	727.69	1.41	884.21
Hempstead Lake	4335.01*	Max WS	17.75	17.75	0.00	0.00		28.62	726.87	1.79	883.16
Hempstead Lake	4314.82*	Max WS	17.75	17.75	0.00	0.00		28.23	726.83	2.21	881.87
Hempstead Lake	4294.63*	Max WS	17.75	17.75	0.00	0.00		28.66	725.93	2.68	880.59
Hempstead Lake	4274.44*	Max WS	17.75	17.75	0.00	0.00		28.26	725.81	3.19	879.17
Hempstead Lake	4254.26*	Max WS	17.75	17.75	0.00	0.00		28.66	724.86	3.72	877.65
Hempstead Lake	4234.07*	Max WS	17.75	17.75	0.00	0.00		29.10	723.84	4.28	876.09
Hempstead Lake	4213.88*	Max WS	17.75	17.75	0.00	0.00		28.65	723.67	4.87	874.48
Hempstead Lake	4193.69*	Max WS	17.75	17.75	0.00	0.00		29.09	722.60	5.48	872.77
Hempstead Lake	4173.50*	Max WS	17.75	17.75	0.00	0.00		28.64	722.42	6.12	871.00
Hempstead Lake	4153.320	Max WS	17.75	17.75	0.00	0.00		11.90	738.34	6.92	869.20
Hempstead Lake	4131.85*	Max WS	17.75	17.75	0.00	0.00		25.87	737.12	7.32	867.99
Hempstead Lake	4110.38*	Max WS	17.75	17.75	0.00	0.00		23.85	738.66	7.77	866.83
Hempstead Lake	4088.91*	Max WS	17.75	17.75	0.00	0.00		22.46	739.58	8.22	865.50
Hempstead Lake	4067.44*	Max WS	17.75	17.75	0.00	0.00		20.27	741.25	8.69	864.16
Hempstead Lake	4045.97*	Max WS	17.75	17.75	0.00	0.00		18.07	742.97	9.18	862.67
Hempstead Lake	4024.50*	Max WS	17.75	17.75	0.00	0.00		16.39	744.14	9.67	861.12
Hempstead Lake	4003.034	Max WS	17.75	17.75	0.00	0.00		5.72	754.18	10.28	859.38
Hempstead Lake	3984.01*	Max WS	17.75	17.75	0.00	0.00		10.66	750.70	8.80	842.28
Hempstead Lake	3964.99*	Max WS	17.75	17.75	0.00	0.00		9.96	752.80	7.39	824.83
Hempstead Lake	3945.97*	Max WS	17.75	17.75	0.00	0.00		9.26	754.86	6.01	808.09
Hempstead Lake	3926.95*	Max WS	17.75	17.75	0.00	0.00		8.66	756.55	4.89	795.24
Hempstead Lake	3907.93*	Max WS	17.75	17.75	0.00	0.00		7.65	758.53	3.92	784.20
Hempstead Lake	3888.916	Max WS	17.75	17.75	0.00	0.00		2.67	764.54	2.78	770.25
Hempstead Lake	3883.916	Max WS	17.75	17.75	0.00			2.11	779.03	2.68	760.44
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	17.74	17.74	0.00	0.00		0.00	782.67	0.81	724.90
Hempstead Lake	3858.916	Max WS	17.74	17.74	0.00	0.00		0.00	782.75	0.74	724.29
Hempstead Lake	3826.579	Max WS	17.74	17.73	0.00	0.00		0.02	783.12		674.06
Hempstead Lake	3821.579	Max WS	17.74	17.73	0.00			0.03	783.11		673.85
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	17.73	17.73	0.00	0.00		6.00	776.72		650.62
Hempstead Lake	3736.579	Max WS	17.73	17.73	0.00	0.00		3.86	778.35		650.84
Hempstead Lake	3699.46*	Max WS	17.73	17.73	0.00	0.00		4.01	777.60		663.13
Hempstead Lake	3662.35*	Max WS	17.73	17.73	0.00	0.00		4.16	777.01	0.41	708.35
Hempstead Lake	3625.24*	Max WS	17.73	17.73	0.00	0.00		4.31	772.84	3.83	759.32
Hempstead Lake	3588.13*	Max WS	17.73	17.73	0.00	0.00		4.57	764.67	11.71	801.53
Hempstead Lake	3551.028	Max WS	17.73	17.73	0.00	0.00		4.23	756.86	19.28	876.34
Hempstead Lake	3531.67*	Max WS	17.73	17.73	0.00	0.00		5.09	757.70	17.57	841.56
Hempstead Lake	3512.33*	Max WS	17.73	17.73	0.00	0.00		4.82	764.18	11.35	804.34
Hempstead Lake	3492.98*	Max WS	17.73	17.73	0.00	0.00		4.56	770.10	5.68	773.87
Hempstead Lake	3473.63*	Max WS	17.73	17.73	0.00	0.00		4.32	773.57	1.91	731.10
Hempstead Lake	3454.28*	Max WS	17.73	17.73	0.00	0.00		4.16	775.43	0.20	665.87
Hempstead Lake	3434.93*	Max WS	17.73	17.73	0.00	0.00		3.98	775.16	0.08	610.28
Hempstead Lake	3415.58*	Max WS	17.73	17.73	0.00	0.00		3.82	774.67	0.09	598.90
Hempstead Lake	3396.239	Max WS	17.73	17.73	0.00	0.00		4.21	773.55	0.11	590.41
Hempstead Lake	3376.88*	Max WS	17.73	17.73	0.00	0.00		4.03	772.92	0.16	589.24
Hempstead Lake	3357.52*	Max WS	17.73	17.73	0.00	0.00		4.48	772.39	0.24	588.67
Hempstead Lake	3338.16*	Max WS	17.73	17.73	0.00	0.00		4.92	771.06	0.33	589.04
Hempstead Lake	3318.80*	Max WS	17.73	17.73	0.00	0.00		5.38	771.26	0.45	590.41
Hempstead Lake	3299.44*	Max WS	17.73	17.73	0.00	0.00		5.74	769.97	0.60	594.65
Hempstead Lake	3280.08*	Max WS	17.73	17.73	0.00	0.00		6.07	768.67	0.77	600.98

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

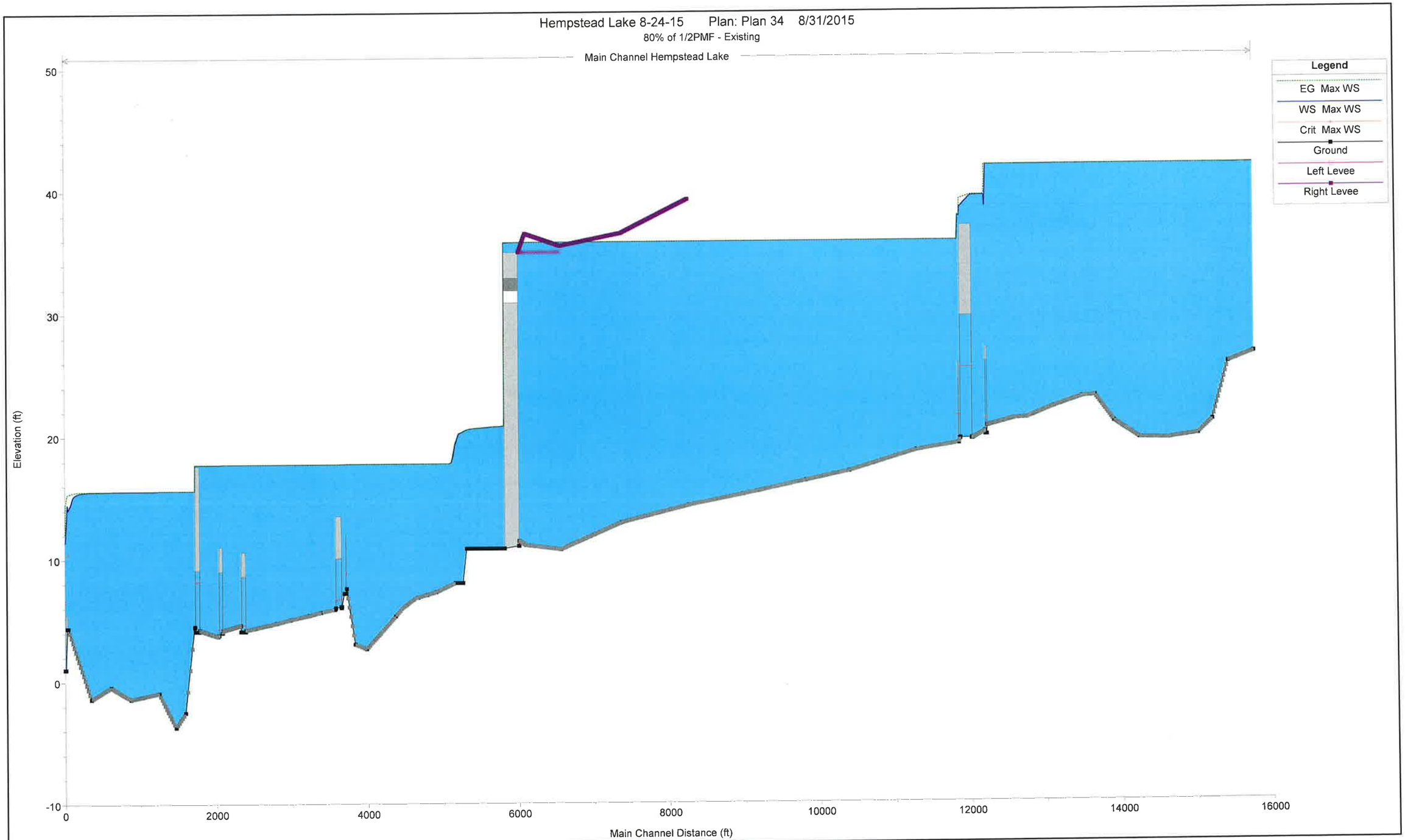
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3260.73*	Max WS	17.73	17.73	0.00	0.00		6.52	768.02	0.97	607.55
Hempstead Lake	3241.37*	Max WS	17.73	17.73	0.00	0.00		6.93	767.39	1.18	614.79
Hempstead Lake	3222.01*	Max WS	17.73	17.73	0.00	0.00		7.56	766.50	1.44	623.05
Hempstead Lake	3202.65*	Max WS	17.73	17.73	0.00	0.00		8.48	765.28	1.73	626.59
Hempstead Lake	3183.29*	Max WS	17.73	17.73	0.00	0.00		9.54	763.88	2.06	630.38
Hempstead Lake	3163.93*	Max WS	17.73	17.73	0.00	0.00		10.67	762.39	2.41	633.60
Hempstead Lake	3144.581	Max WS	17.73	17.73	0.00	0.00		10.60	761.61	2.52	636.76
Hempstead Lake	3124.73*	Max WS	17.73	17.73	0.00	0.00		10.56	761.75	2.40	638.69
Hempstead Lake	3104.89*	Max WS	17.73	17.73	0.00	0.00		10.72	761.62	2.37	641.56
Hempstead Lake	3085.04*	Max WS	17.73	17.73	0.00	0.00		10.77	761.60	2.33	645.82
Hempstead Lake	3065.2*	Max WS	17.73	17.73	0.00	0.00		10.89	760.80	2.28	650.66
Hempstead Lake	3045.35*	Max WS	17.73	17.73	0.00	0.00		10.85	760.92	2.19	653.84
Hempstead Lake	3025.51*	Max WS	17.73	17.73	0.00	0.00		11.06	760.03	2.14	657.39
Hempstead Lake	3005.66*	Max WS	17.73	17.73	0.00	0.00		11.31	759.80	2.12	660.07
Hempstead Lake	2985.81*	Max WS	17.73	17.73	0.00	0.00		11.34	759.85	2.02	663.20
Hempstead Lake	2965.974	Max WS	17.73	17.73	0.00	0.00		12.32	758.05	2.10	665.62
Hempstead Lake	2951.87*	Max WS	17.73	17.73	0.00	0.00		13.89	756.30	2.27	666.39
Hempstead Lake	2937.77*	Max WS	17.73	17.73	0.00	0.00		14.17	756.07	2.23	666.97
Hempstead Lake	2923.67*	Max WS	17.73	17.73	0.00	0.00		14.50	755.01	2.19	667.95
Hempstead Lake	2909.57*	Max WS	17.73	17.73	0.00	0.00		14.79	755.52	2.15	668.64
Hempstead Lake	2895.47*	Max WS	17.73	17.73	0.00	0.00		15.00	753.83	2.11	669.38
Hempstead Lake	2881.37*	Max WS	17.73	17.73	0.00	0.00		15.20	754.44	2.06	670.70
Hempstead Lake	2867.27*	Max WS	17.73	17.73	0.00	0.00		15.40	754.28	2.00	671.71
Hempstead Lake	2853.17*	Max WS	17.73	17.73	0.00	0.00		15.54	753.43	1.96	673.21
Hempstead Lake	2839.07*	Max WS	17.73	17.73	0.00	0.00		15.74	754.02	1.90	674.44
Hempstead Lake	2824.98*	Max WS	17.73	17.73	0.00	0.00		15.84	753.23	1.85	675.75
Hempstead Lake	2810.88*	Max WS	17.73	17.73	0.00	0.00		15.91	752.44	1.80	677.77
Hempstead Lake	2796.78*	Max WS	17.73	17.73	0.00	0.00		15.99	751.59	1.75	679.42
Hempstead Lake	2782.68*	Max WS	17.73	17.73	0.00	0.00		15.98	751.66	1.70	681.20
Hempstead Lake	2768.58*	Max WS	17.73	17.73	0.00	0.00		15.94	750.90	1.65	683.72
Hempstead Lake	2754.48*	Max WS	17.73	17.73	0.00	0.00		15.92	750.99	1.58	686.05
Hempstead Lake	2740.38*	Max WS	17.73	17.73	0.00	0.00		15.83	751.13	1.54	689.55
Hempstead Lake	2726.28*	Max WS	17.73	17.73	0.00	0.00		15.57	751.43	1.48	695.76
Hempstead Lake	2712.18*	Max WS	17.73	17.73	0.00	0.00		15.01	752.04	1.43	707.73
Hempstead Lake	2698.08*	Max WS	17.73	17.73	0.00	0.00		14.43	752.66	1.37	720.81
Hempstead Lake	2683.98*	Max WS	17.73	17.73	0.00	0.00		14.03	753.11	1.32	732.67
Hempstead Lake	2669.88*	Max WS	17.73	17.73	0.00	0.00		13.88	753.30	1.26	740.86
Hempstead Lake	2655.78*	Max WS	17.73	17.73	0.00	0.00		13.88	753.35	1.21	746.41
Hempstead Lake	2641.68*	Max WS	17.73	17.73	0.00	0.00		13.87	753.41	1.15	751.51
Hempstead Lake	2627.58*	Max WS	17.73	17.73	0.00	0.00		13.80	753.53	1.10	757.86
Hempstead Lake	2613.48*	Max WS	17.73	17.73	0.00	0.00		13.76	753.61	1.04	763.96
Hempstead Lake	2599.38*	Max WS	17.73	17.73	0.00	0.00		13.72	753.71	0.98	770.03
Hempstead Lake	2585.29*	Max WS	17.73	17.73	0.00	0.00		13.74	753.74	0.92	777.95
Hempstead Lake	2571.19*	Max WS	17.73	17.73	0.00	0.00		13.74	754.45	0.87	785.50
Hempstead Lake	2557.091	Max WS	17.73	17.73	0.00	0.00		21.79	745.30	1.31	792.62
Hempstead Lake	2552.091	Max WS	17.73	17.72	0.00			14.96	751.81	2.24	793.26
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	17.72	17.72	0.00	0.00		29.63	738.50	0.25	792.85
Hempstead Lake	2487.091	Max WS	17.72	17.72	0.00	0.00		25.31	742.95	0.13	793.90
Hempstead Lake	2477.12*	Max WS	17.72	17.72	0.00	0.00		18.60	749.46	0.30	800.38
Hempstead Lake	2467.14*	Max WS	17.72	17.72	0.00	0.00		21.25	746.33	0.77	808.36
Hempstead Lake	2457.17*	Max WS	17.72	17.72	0.00	0.00		24.04	742.74	1.55	817.40
Hempstead Lake	2447.20*	Max WS	17.72	17.72	0.00	0.00		27.02	738.54	2.76	828.48
Hempstead Lake	2437.23*	Max WS	17.72	17.72	0.00	0.00		39.40	723.07	5.85	842.31
Hempstead Lake	2427.26*	Max WS	17.72	17.72	0.00	0.00		42.97	716.25	9.08	848.86
Hempstead Lake	2417.29*	Max WS	17.72	17.72	0.00	0.00		46.49	708.67	13.13	854.74
Hempstead Lake	2407.32*	Max WS	17.72	17.72	0.00	0.00		40.31	713.50	14.48	859.20
Hempstead Lake	2397.35*	Max WS	17.72	17.72	0.00	0.00		43.95	705.28	19.45	863.62
Hempstead Lake	2387.37*	Max WS	17.72	17.72	0.00	0.00		47.56	695.86	25.22	867.91
Hempstead Lake	2377.40*	Max WS	17.72	17.72	0.00	0.00		51.28	685.54	31.79	872.63
Hempstead Lake	2367.43*	Max WS	17.72	17.72	0.00	0.00		55.22	674.01	39.35	877.14
Hempstead Lake	2357.46*	Max WS	17.72	17.72	0.00	0.00		59.01	661.82	47.72	881.06
Hempstead Lake	2347.49*	Max WS	17.72	17.72	0.00	0.00		62.70	648.86	56.97	885.50
Hempstead Lake	2337.52*	Max WS	17.72	17.72	0.00	0.00		66.54	634.78	67.19	889.02
Hempstead Lake	2327.55*	Max WS	17.72	17.72	0.00	0.00		70.27	620.03	78.19	893.02
Hempstead Lake	2317.58*	Max WS	17.72	17.72	0.00	0.00		73.90	604.48	90.09	896.95
Hempstead Lake	2307.60*	Max WS	17.72	17.72	0.00	0.00		77.73	587.83	102.90	900.20
Hempstead Lake	2297.63*	Max WS	17.72	17.72	0.00	0.00		81.32	570.97	116.29	903.69
Hempstead Lake	2287.66*	Max WS	17.72	17.72	0.00	0.00		84.90	553.26	130.37	906.49
Hempstead Lake	2277.69*	Max WS	17.72	17.72	0.00	0.00		88.27	535.12	145.06	921.03
Hempstead Lake	2267.72*	Max WS	17.72	17.72	0.00	0.00		91.60	516.42	160.39	937.08
Hempstead Lake	2257.752	Max WS	17.72	17.72	0.00	0.00		118.67	429.09	220.59	952.43

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2252.75*	Max WS	17.72	17.72	0.00	0.00		123.56	433.45	211.31	930.55
Hempstead Lake	2247.752	Max WS	17.72	17.72	0.00			150.46	380.83	237.01	899.13
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	17.71	17.71	0.00	0.00		93.08	445.27	229.94	858.74
Hempstead Lake	2192.75*	Max WS	17.71	17.71	0.00	0.00		133.07	452.58	182.60	855.28
Hempstead Lake	2187.752	Max WS	17.71	17.71	0.00	0.00		173.28	443.82	151.11	852.07
Hempstead Lake	2178.63*	Max WS	17.71	17.71	0.00	0.00		168.54	451.91	147.75	847.86
Hempstead Lake	2169.52*	Max WS	17.71	17.71	0.00	0.00		163.72	460.10	144.35	843.81
Hempstead Lake	2160.40*	Max WS	17.71	17.71	0.00	0.00		158.89	468.49	140.77	839.66
Hempstead Lake	2151.29*	Max WS	17.71	17.71	0.00	0.00		153.97	477.10	137.07	835.60
Hempstead Lake	2142.17*	Max WS	17.71	17.71	0.00	0.00		148.92	486.09	133.12	831.23
Hempstead Lake	2133.05*	Max WS	17.71	17.71	0.00	0.00		143.76	495.14	129.22	826.77
Hempstead Lake	2123.94*	Max WS	17.71	17.71	0.00	0.00		138.49	504.33	125.10	822.47
Hempstead Lake	2114.82*	Max WS	17.71	17.71	0.00	0.00		133.12	513.82	120.93	817.89
Hempstead Lake	2105.71*	Max WS	17.71	17.71	0.00	0.00		127.73	523.62	116.49	813.55
Hempstead Lake	2096.59*	Max WS	17.71	17.71	0.00	0.00		122.14	533.64	112.02	809.58
Hempstead Lake	2087.48*	Max WS	17.71	17.71	0.00	0.00		116.29	544.22	107.26	805.94
Hempstead Lake	2078.36*	Max WS	17.71	17.71	0.00	0.00		110.37	554.92	102.44	802.30
Hempstead Lake	2069.25*	Max WS	17.71	17.71	0.00	0.00		104.28	566.01	97.42	798.80
Hempstead Lake	2060.13*	Max WS	17.71	17.70	0.00	0.00		98.15	577.27	92.26	795.41
Hempstead Lake	2051.01*	Max WS	17.71	17.70	0.00	0.00		91.98	588.75	86.93	792.05
Hempstead Lake	2041.90*	Max WS	17.71	17.70	0.00	0.00		85.78	600.37	81.50	788.53
Hempstead Lake	2032.78*	Max WS	17.71	17.70	0.00	0.00		79.71	611.82	75.88	784.78
Hempstead Lake	2023.67*	Max WS	17.71	17.70	0.00	0.00		73.42	623.82	70.10	781.76
Hempstead Lake	2014.55*	Max WS	17.71	17.70	0.01	0.00		67.00	636.06	64.21	780.48
Hempstead Lake	2005.44*	Max WS	17.71	17.70	0.01	0.00		60.52	648.99	57.70	787.56
Hempstead Lake	1996.32*	Max WS	17.71	17.70	0.01	0.00		54.20	662.54	50.42	815.52
Hempstead Lake	1987.20*	Max WS	17.71	17.70	0.01	0.00		47.87	676.10	43.13	862.02
Hempstead Lake	1978.09*	Max WS	17.71	17.70	0.01	0.00		41.64	686.47	38.96	867.04
Hempstead Lake	1968.97*	Max WS	17.71	17.70	0.01	0.00		35.32	696.29	35.42	865.27
Hempstead Lake	1959.86*	Max WS	17.71	17.70	0.01	0.00		29.35	705.84	31.82	862.13
Hempstead Lake	1950.747	Max WS	17.71	17.70	0.01	0.00		23.60	714.99	28.39	858.70
Hempstead Lake	1945.747	Max WS	17.71	17.70	0.01			34.34	502.05	231.86	903.41
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	15.59	15.59	0.00	0.00			158.01	251.84	820.22
Hempstead Lake	1880.747	Max WS	15.59	15.59	0.00	0.00		0.00	348.77	61.07	863.79
Hempstead Lake	1848.83*	Max WS	15.59	15.59	0.00	0.00		0.59	394.44	14.74	968.60
Hempstead Lake	1816.92*	Max WS	15.59	15.59	0.00	0.00		2.31	400.45	6.92	956.22
Hempstead Lake	1785.01*	Max WS	15.59	15.59	0.00	0.00		4.43	401.09	4.06	1058.08
Hempstead Lake	1753.104	Max WS	15.59	15.59	0.00	0.00		2.69	405.71	1.05	1188.35
Hempstead Lake	1732.65*	Max WS	15.59	15.59	0.00	0.00		7.37	397.99	5.14	1219.89
Hempstead Lake	1712.21*	Max WS	15.59	15.59	0.00	0.00		7.82	394.94	7.73	1257.11
Hempstead Lake	1691.76*	Max WS	15.59	15.59	0.00	0.00		8.27	391.13	11.09	1294.64
Hempstead Lake	1671.32*	Max WS	15.59	15.59	0.00	0.00		8.71	386.51	15.24	1333.12
Hempstead Lake	1650.87*	Max WS	15.59	15.59	0.00	0.00		9.16	381.07	20.22	1368.32
Hempstead Lake	1630.434	Max WS	15.59	15.59	0.00	0.00		4.57	385.40	20.44	1401.25
Hempstead Lake	1610.36*	Max WS	15.59	15.59	0.00	0.00		9.41	376.94	24.03	1386.03
Hempstead Lake	1590.30*	Max WS	15.59	15.59	0.00	0.00		7.83	380.29	22.22	1368.78
Hempstead Lake	1570.23*	Max WS	15.59	15.59	0.00	0.00		6.36	383.51	20.42	1350.03
Hempstead Lake	1550.17*	Max WS	15.59	15.59	0.00	0.00		4.85	386.74	18.65	1330.72
Hempstead Lake	1530.10*	Max WS	15.59	15.59	0.00	0.00		3.65	389.64	16.89	1310.10
Hempstead Lake	1510.03*	Max WS	15.59	15.59	0.00	0.00		2.55	392.66	14.91	1287.24
Hempstead Lake	1489.97*	Max WS	15.59	15.59	0.00	0.00		1.67	395.12	13.26	1260.97
Hempstead Lake	1469.90*	Max WS	15.59	15.59	0.00	0.00		0.97	397.34	11.67	1227.71
Hempstead Lake	1449.83*	Max WS	15.59	15.59	0.00	0.00		0.54	399.21	10.16	1184.09
Hempstead Lake	1429.77*	Max WS	15.59	15.59	0.00	0.00		0.26	400.85	8.71	1157.15
Hempstead Lake	1409.707	Max WS	15.59	15.59	0.00	0.00		0.05	401.57	10.59	1132.91
Hempstead Lake	1389.03*	Max WS	15.58	15.57	0.01	0.00		1.33	8714.50	155.14	1125.44
Hempstead Lake	1368.35*	Max WS	15.58	15.57	0.01	0.00		1.80	8707.51	158.00	1118.71
Hempstead Lake	1347.67*	Max WS	15.58	15.57	0.01	0.00		2.36	8703.91	161.05	1111.57
Hempstead Lake	1326.99*	Max WS	15.58	15.57	0.01	0.00		3.02	8699.97	164.32	1104.21
Hempstead Lake	1306.32*	Max WS	15.58	15.57	0.01	0.00		3.51	8690.02	173.77	1103.66
Hempstead Lake	1285.64*	Max WS	15.58	15.57	0.01	0.00		4.10	8684.95	178.23	1110.41
Hempstead Lake	1264.96*	Max WS	15.58	15.57	0.01	0.00		5.37	8678.66	183.22	1110.22
Hempstead Lake	1244.28*	Max WS	15.58	15.57	0.01	0.00		7.08	8671.27	188.87	1106.00
Hempstead Lake	1223.61*	Max WS	15.58	15.57	0.01	0.00		9.16	8664.05	193.99	1103.89
Hempstead Lake	1202.93*	Max WS	15.58	15.57	0.01	0.00		11.55	8656.52	199.08	1101.50
Hempstead Lake	1182.25*	Max WS	15.58	15.57	0.01	0.00		14.14	8648.75	204.21	1098.27
Hempstead Lake	1161.57*	Max WS	15.58	15.57	0.01	0.00		17.02	8640.51	209.53	1094.51
Hempstead Lake	1140.90*	Max WS	15.58	15.57	0.01	0.00		20.13	8632.14	214.73	1090.08
Hempstead Lake	1120.22*	Max WS	15.58	15.57	0.01	0.00		24.19	8615.50	227.26	1085.51
Hempstead Lake	1099.54*	Max WS	15.58	15.57	0.01	0.00		27.70	8606.31	232.88	1080.65

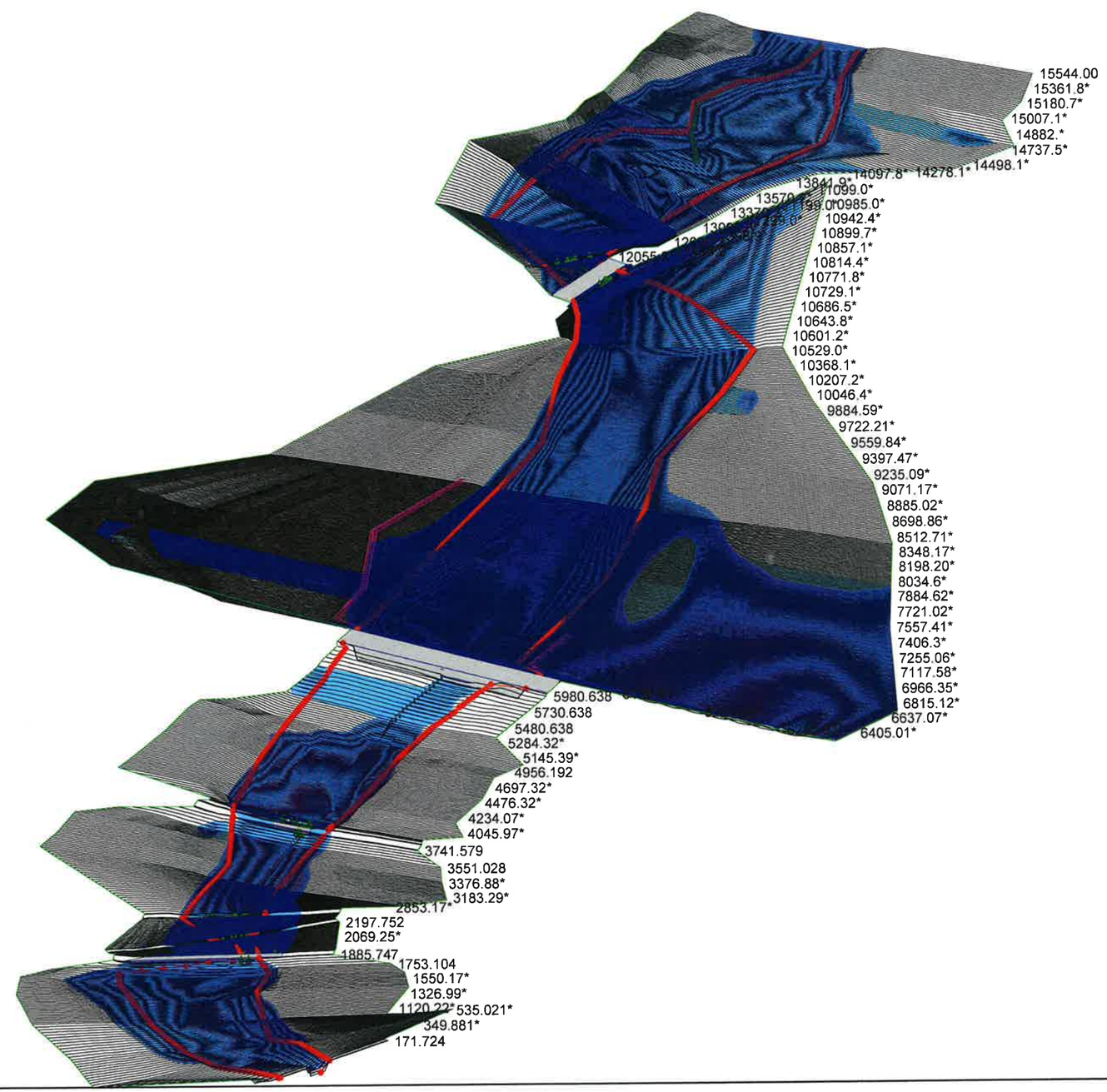
HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1078.87*	Max WS	15.58	15.57	0.01	0.00		31.41	8596.56	238.86	1075.48
Hempstead Lake	1058.19*	Max WS	15.58	15.57	0.01	0.00		35.28	8586.86	244.62	1070.25
Hempstead Lake	1037.515	Max WS	15.58	15.57	0.01	0.00		36.13	8357.85	472.71	1063.07
Hempstead Lake	1017.08*	Max WS	15.58	15.57	0.01	0.00		111.92	8557.96	272.10	1055.05
Hempstead Lake	996.645*	Max WS	15.58	15.57	0.01	0.00		139.84	8491.54	310.52	1046.92
Hempstead Lake	976.210*	Max WS	15.58	15.57	0.01	0.00		172.29	8427.92	341.61	1038.90
Hempstead Lake	955.775*	Max WS	15.58	15.57	0.01	0.00		208.79	8349.36	381.43	1030.85
Hempstead Lake	935.340*	Max WS	15.58	15.57	0.01	0.00		244.76	8280.18	414.64	1022.70
Hempstead Lake	914.905*	Max WS	15.58	15.57	0.01	0.00		289.68	8193.17	456.72	1014.62
Hempstead Lake	894.471*	Max WS	15.58	15.56	0.01	0.00		343.24	8105.81	490.51	1006.63
Hempstead Lake	874.036*	Max WS	15.58	15.56	0.01	0.00		398.92	8007.12	533.52	998.32
Hempstead Lake	853.601*	Max WS	15.57	15.56	0.01	0.00		453.22	7917.03	569.29	990.18
Hempstead Lake	833.166*	Max WS	15.57	15.56	0.01	0.00		519.70	7806.11	613.72	982.20
Hempstead Lake	812.731*	Max WS	15.57	15.56	0.01	0.00		600.12	7690.78	648.61	973.84
Hempstead Lake	792.296*	Max WS	15.57	15.56	0.01	0.00		679.00	7566.81	693.69	965.69
Hempstead Lake	771.862	Max WS	15.57	15.56	0.01	0.00		320.94	7924.70	693.83	957.56
Hempstead Lake	750.331*	Max WS	15.57	15.56	0.01	0.00		642.16	7679.90	647.56	959.08
Hempstead Lake	728.8*	Max WS	15.57	15.56	0.01	0.00		523.46	7872.33	573.81	959.42
Hempstead Lake	707.269*	Max WS	15.57	15.55	0.01	0.00		419.90	8057.40	492.27	958.19
Hempstead Lake	685.738*	Max WS	15.57	15.55	0.02	0.00		322.74	8233.37	413.42	954.66
Hempstead Lake	664.207*	Max WS	15.57	15.55	0.02	0.00		235.48	8395.13	338.90	948.22
Hempstead Lake	642.676*	Max WS	15.57	15.55	0.02	0.00		157.52	8536.30	275.66	937.24
Hempstead Lake	621.145*	Max WS	15.56	15.55	0.02	0.00		95.44	8659.70	214.30	918.98
Hempstead Lake	599.614*	Max WS	15.56	15.54	0.02	0.00		48.13	8759.38	161.90	888.21
Hempstead Lake	578.083*	Max WS	15.56	15.54	0.02	0.00		16.21	8833.63	119.53	835.06
Hempstead Lake	556.552*	Max WS	15.56	15.54	0.02	0.00		2.91	8873.57	92.86	719.60
Hempstead Lake	535.021*	Max WS	15.56	15.54	0.02	0.00		0.38	8895.67	73.26	670.62
Hempstead Lake	513.490	Max WS	15.56	15.54	0.02	0.00			8840.17	129.11	655.48
Hempstead Lake	493.038*	Max WS	15.56	15.53	0.03	0.00			8933.92	67.83	637.83
Hempstead Lake	472.587*	Max WS	15.56	15.53	0.03	0.00			8939.08	62.63	620.24
Hempstead Lake	452.136*	Max WS	15.56	15.52	0.04	0.00			8945.03	56.65	602.63
Hempstead Lake	431.685*	Max WS	15.56	15.51	0.04	0.00			8951.76	49.89	585.21
Hempstead Lake	411.234*	Max WS	15.55	15.50	0.05	0.00			8959.77	41.85	567.85
Hempstead Lake	390.783*	Max WS	15.55	15.49	0.07	0.00			8967.74	33.83	550.45
Hempstead Lake	370.332*	Max WS	15.55	15.46	0.08	0.01			8976.07	25.47	533.07
Hempstead Lake	349.881*	Max WS	15.54	15.43	0.10	0.01			8984.39	17.11	515.51
Hempstead Lake	329.430*	Max WS	15.53	15.39	0.14	0.01			8992.10	9.36	497.82
Hempstead Lake	308.979*	Max WS	15.52	15.33	0.19	0.02			8998.29	3.13	478.97
Hempstead Lake	288.528*	Max WS	15.50	15.23	0.27	0.03			9001.11	0.26	455.15
Hempstead Lake	268.077*	Max WS	15.47	15.04	0.43	0.04			9001.24		426.23
Hempstead Lake	247.626*	Max WS	15.45	14.58	0.87	0.06			9001.24		271.83
Hempstead Lake	227.175*	Max WS	15.39	14.31	1.08	0.06			9001.27		147.64
Hempstead Lake	206.724	Max WS	15.33	14.03	1.29	0.01			9001.26		137.96
Hempstead Lake	201.724	Max WS	15.31	14.48	0.83				9001.26		155.70
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	12.11	11.41	0.70	0.00		2815.47	6185.79		145.15
Hempstead Lake	166.724	Max WS	12.11	11.40	0.70			2815.27	6185.99		145.13


Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015
80% of 1/2PMF - Existing
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
50
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

80% of 1/2PMF - Existing



Proposed 5 Year 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	1760.40	26.48	31.29		31.37	0.000582	2.38	821.95	377.83	0.25
Hempstead Lake	15523.7*	Max WS	1760.08	26.43	31.26		31.33	0.003354	2.38	820.55	379.57	0.25
Hempstead Lake	15503.5*	Max WS	1759.76	26.38	31.19		31.27	0.003337	2.42	804.59	378.77	0.26
Hempstead Lake	15483.3*	Max WS	1759.44	26.34	31.12		31.21	0.003276	2.46	784.92	377.68	0.26
Hempstead Lake	15463.0*	Max WS	1758.61	26.29	31.05		31.14	0.003254	2.52	761.82	375.89	0.27
Hempstead Lake	15442.8*	Max WS	1758.55	26.24	30.98		31.08	0.003366	2.58	736.50	372.82	0.29
Hempstead Lake	15422.5*	Max WS	1758.43	26.19	30.91		31.02	0.003439	2.67	707.21	368.68	0.30
Hempstead Lake	15402.3*	Max WS	1758.27	26.15	30.83		30.95	0.003594	2.78	672.93	362.81	0.32
Hempstead Lake	15382.1*	Max WS	1757.64	26.10	30.75		30.88	0.003993	2.92	634.10	354.88	0.35
Hempstead Lake	15361.8*	Max WS	1757.59	26.05	30.65		30.79	0.004491	3.12	588.14	343.20	0.39
Hempstead Lake	15341.6*	Max WS	1757.49	26.00	30.51		30.69	0.005647	3.43	531.93	324.52	0.44
Hempstead Lake	15321.4*	Max WS	1757.38	25.96	30.36		30.58	0.005546	3.81	478.38	276.32	0.48
Hempstead Lake	15301.1*	Max WS	1757.29	25.91	30.21		30.48	0.005723	4.15	436.43	251.81	0.52
Hempstead Lake	15280.9*	Max WS	1757.08	25.86	30.05		30.37	0.006718	4.56	394.72	237.68	0.58
Hempstead Lake	15260.7*	Max WS	1757.06	25.81	29.84		30.25	0.008240	5.18	344.17	219.75	0.69
Hempstead Lake	15240.4*	Max WS	1757.02	25.77	29.59		30.16	0.010761	6.05	292.05	194.35	0.84
Hempstead Lake	15220.2*	Max WS	1756.97	25.72	29.36	29.38	30.14	0.014492	7.05	249.34	172.55	1.02
Hempstead Lake	15200.02	Max WS	1756.92	25.67	29.01	29.40	30.31	0.023338	9.15	192.07	144.31	1.40
Hempstead Lake	15180.7*	Max WS	1756.87	25.24	28.59	28.85	29.64	0.024123	8.24	213.29	159.37	1.25
Hempstead Lake	15161.4*	Max WS	1756.73	24.82	28.16	28.30	29.04	0.025234	7.53	233.25	174.54	1.15
Hempstead Lake	15142.1*	Max WS	1756.71	24.39	27.71	27.78	28.47	0.026603	6.97	251.87	189.40	1.07
Hempstead Lake	15122.8*	Max WS	1756.40	23.96	27.26	27.25	27.93	0.027645	6.58	266.90	196.65	1.00
Hempstead Lake	15103.5*	Max WS	1756.33	23.53	26.84		27.41	0.026953	6.06	290.06	209.66	0.91
Hempstead Lake	15084.2*	Max WS	754.28	23.11	26.68		26.74	0.003125	2.00	377.32	247.63	0.29
Hempstead Lake	15064.9*	Max WS	737.93	22.68	26.67		26.70	0.001434	1.43	514.90	279.32	0.19
Hempstead Lake	15045.6*	Max WS	735.07	22.25	26.66		26.68	0.000763	1.09	673.62	310.47	0.13
Hempstead Lake	15026.4*	Max WS	733.62	21.82	26.66		26.67	0.000445	0.86	852.75	341.58	0.10
Hempstead Lake	15007.1*	Max WS	730.71	21.40	26.65		26.66	0.000283	0.69	1052.49	379.69	0.07
Hempstead Lake	14987.82	Max WS	730.71	20.97	26.65		26.66	0.000030	0.57	1278.92	420.88	0.06
Hempstead Lake	14966.6*	Max WS	738.26	20.84	26.65		26.66	0.000142	0.52	1427.28	439.65	0.05
Hempstead Lake	14945.4*	Max WS	736.80	20.72	26.65		26.65	0.000107	0.47	1583.08	461.01	0.04
Hempstead Lake	14924.3*	Max WS	736.79	20.59	26.65		26.65	0.000081	0.42	1749.33	483.73	0.04
Hempstead Lake	14903.1*	Max WS	735.34	20.46	26.65		26.65	0.000063	0.38	1923.75	506.43	0.03
Hempstead Lake	14882.*	Max WS	735.33	20.34	26.65		26.65	0.000049	0.35	2107.17	527.75	0.03
Hempstead Lake	14860.8*	Max WS	735.33	20.21	26.65		26.65	0.000039	0.32	2299.89	549.21	0.03
Hempstead Lake	14839.6*	Max WS	733.90	20.08	26.65		26.65	0.000031	0.29	2500.40	570.72	0.02
Hempstead Lake	14818.5*	Max WS	733.90	19.96	26.65		26.65	0.000025	0.27	2710.29	592.16	0.02
Hempstead Lake	14797.35	Max WS	733.89	19.83	26.65		26.65	0.000003	0.25	2928.26	613.73	0.02
Hempstead Lake	14777.4*	Max WS	733.89	19.81	26.65		26.65	0.000018	0.24	3017.01	625.59	0.02
Hempstead Lake	14757.4*	Max WS	733.88	19.80	26.65		26.65	0.000015	0.24	3106.94	637.66	0.02
Hempstead Lake	14737.5*	Max WS	733.87	19.78	26.65		26.65	0.000013	0.23	3197.43	649.86	0.02
Hempstead Lake	14717.5*	Max WS	733.86	19.76	26.65		26.65	0.000012	0.22	3290.24	662.17	0.02
Hempstead Lake	14697.6*	Max WS	733.85	19.74	26.65		26.65	0.000010	0.22	3383.51	674.54	0.02
Hempstead Lake	14677.6*	Max WS	733.84	19.73	26.65		26.65	0.000009	0.21	3478.27	686.91	0.02
Hempstead Lake	14657.7*	Max WS	733.83	19.71	26.64		26.65	0.000008	0.21	3574.12	699.52	0.02
Hempstead Lake	14637.7*	Max WS	733.81	19.69	26.64		26.65	0.000007	0.20	3671.57	712.24	0.02
Hempstead Lake	14617.8*	Max WS	733.80	19.67	26.64		26.65	0.000006	0.19	3770.20	724.72	0.02
Hempstead Lake	14597.8*	Max WS	733.78	19.65	26.64		26.65	0.000005	0.19	3870.28	737.07	0.01
Hempstead Lake	14577.9*	Max WS	733.77	19.64	26.64		26.65	0.000004	0.18	3969.96	749.59	0.01
Hempstead Lake	14557.9*	Max WS	732.52	19.62	26.64		26.65	0.000004	0.18	4073.21	762.11	0.01
Hempstead Lake	14538.0*	Max WS	733.73	19.60	26.64		26.65	0.000003	0.18	4175.89	774.69	0.01
Hempstead Lake	14518.0*	Max WS	732.51	19.58	26.64		26.65	0.000003	0.17	4282.08	787.14	0.01
Hempstead Lake	14498.1*	Max WS	732.51	19.57	26.64		26.65	0.000002	0.17	4386.49	799.74	0.01
Hempstead Lake	14478.1*	Max WS	732.50	19.55	26.64		26.65	0.000002	0.16	4494.31	812.39	0.01
Hempstead Lake	14458.2*	Max WS	732.50	19.53	26.64		26.65	0.000002	0.16	4603.03	824.96	0.01
Hempstead Lake	14438.2*	Max WS	732.49	19.51	26.64		26.65	0.000001	0.16	4713.28	837.49	0.01
Hempstead Lake	14418.3*	Max WS	732.49	19.50	26.64		26.65	0.000001	0.15	4822.77	850.16	0.01
Hempstead Lake	14398.37	Max WS	732.48	19.48	26.64		26.65	0.000001	0.15	4936.12	862.83	0.01
Hempstead Lake	14378.3*	Max WS	732.47	19.48	26.64		26.64	0.000001	0.15	4821.29	847.82	0.01
Hempstead Lake	14358.3*	Max WS	732.47	19.49	26.64		26.64	0.000001	0.16	4707.30	832.68	0.01
Hempstead Lake	14338.2*	Max WS	732.46	19.49	26.64		26.64	0.000001	0.16	4598.77	817.62	0.01
Hempstead Lake	14318.2*	Max WS	732.45	19.49	26.64		26.64	0.000001	0.16	4491.10	802.46	0.01
Hempstead Lake	14298.2*	Max WS	732.44	19.49	26.64		26.64	0.000001	0.17	4385.44	787.29	0.01
Hempstead Lake	14278.1*	Max WS	732.43	19.50	26.64		26.64	0.000001	0.17	4282.31	771.98	0.01
Hempstead Lake	14258.1*	Max WS	732.42	19.50	26.64		26.64	0.000001	0.18	4182.20	756.59	0.01
Hempstead Lake	14238.1*	Max WS	732.41	19.50	26.64		26.64	0.000001	0.18	4083.91	741.28	0.01
Hempstead Lake	14218.0*	Max WS	732.40	19.50	26.64		26.64	0.000001	0.18	3987.95	725.70	0.01
Hempstead Lake	14198.0*	Max WS	732.39	19.51	26.64		26.64	0.000001	0.19	3893.97	710.32	0.01
Hempstead Lake	14178.0*	Max WS	732.38	19.51	26.64		26.64	0.000002	0.19	3802.82	693.29	0.01
Hempstead Lake	14157.9*	Max WS	732.37	19.51	26.64		26.64	0.000002	0.20	3714.35	676.24	0.01
Hempstead Lake	14137.9*	Max WS	732.36	19.51	26.64		26.64	0.000002	0.20	3628.11	660.17	0.02
Hempstead Lake	14117.9*	Max WS	732.35	19.52	26.64		26.64	0.000002	0.21	3544.56	643.58	0.02
Hempstead Lake	14097.8*	Max WS	732.34	19.52	26.64		26.64	0.000002	0.21	3463.25	626.15	0.02
Hempstead Lake	14077.8*	Max WS	731.46	19.52	26.64		26.64	0.000002	0.22	3384.87	608.44	0.02
Hempstead Lake	14057.8*	Max WS	732.31	19.52	26.64		26.64	0.000002	0.22	3309.25	592.00	0.02
Hempstead Lake	14037.7*	Max WS	732.30	19.53	26.64		26.64	0.000002	0.23	3237.97	572.51	0.02
Hempstead Lake	14017.75	Max WS	731.45	19.53	26.64		26.64	0.000002	0.23	3167.63	556.44	0.02
Hempstead Lake	13998.2*	Max WS	731.45	19.61	26.64		26.64	0.000003	0.23	3180.45	574.29	0.02
Hempstead Lake	13978.6*	Max WS	731.45	19.69	26.64		26.64	0.000003	0.23	3193.34	593.30	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13959.1*	Max WS	731.44	19.77	26.64		26.64	0.000003	0.23	3205.88	613.85	0.02
Hempstead Lake	13939.6*	Max WS	731.44	19.85	26.64		26.64	0.000003	0.23	3217.81	635.97	0.02
Hempstead Lake	13920.0*	Max WS	731.43	19.94	26.64		26.64	0.000003	0.23	3232.55	660.25	0.02
Hempstead Lake	13900.5*	Max WS	731.43	20.02	26.64		26.64	0.000003	0.23	3247.07	685.43	0.02
Hempstead Lake	13881.*	Max WS	731.42	20.10	26.64		26.64	0.000003	0.22	3264.69	710.84	0.02
Hempstead Lake	13861.4*	Max WS	731.41	20.18	26.64		26.64	0.000003	0.22	3284.34	737.13	0.02
Hempstead Lake	13841.9*	Max WS	731.40	20.26	26.64		26.64	0.000003	0.22	3307.49	764.65	0.02
Hempstead Lake	13822.3*	Max WS	731.39	20.34	26.64		26.64	0.000003	0.22	3331.75	785.49	0.02
Hempstead Lake	13802.8*	Max WS	731.38	20.42	26.64		26.64	0.000003	0.22	3358.32	805.83	0.02
Hempstead Lake	13783.3*	Max WS	731.37	20.50	26.64		26.64	0.000003	0.22	3384.66	825.75	0.02
Hempstead Lake	13763.7*	Max WS	731.36	20.59	26.64		26.64	0.000003	0.21	3413.78	845.61	0.02
Hempstead Lake	13744.2*	Max WS	731.34	20.67	26.64		26.64	0.000003	0.21	3442.55	865.19	0.02
Hempstead Lake	13724.7*	Max WS	731.33	20.75	26.64		26.64	0.000003	0.21	3474.00	884.71	0.02
Hempstead Lake	13705.1*	Max WS	730.65	20.83	26.64		26.64	0.000003	0.21	3504.26	904.08	0.02
Hempstead Lake	13685.63	Max WS	730.65	20.91	26.64		26.64	0.000003	0.21	3536.03	923.31	0.02
Hempstead Lake	13666.4*	Max WS	730.65	21.07	26.64		26.64	0.000003	0.21	3486.11	928.23	0.02
Hempstead Lake	13647.1*	Max WS	730.64	21.23	26.64		26.64	0.000003	0.21	3433.61	933.65	0.02
Hempstead Lake	13627.9*	Max WS	730.64	21.39	26.64		26.64	0.000003	0.22	3379.43	939.19	0.02
Hempstead Lake	13608.7*	Max WS	730.63	21.56	26.64		26.64	0.000004	0.22	3322.13	945.26	0.02
Hempstead Lake	13589.5*	Max WS	730.63	21.72	26.64		26.64	0.000004	0.22	3263.44	951.82	0.02
Hempstead Lake	13570.2*	Max WS	730.62	21.88	26.64		26.64	0.000004	0.23	3203.62	958.97	0.02
Hempstead Lake	13551.0*	Max WS	730.61	22.04	26.64		26.64	0.000005	0.23	3142.41	967.28	0.02
Hempstead Lake	13531.8*	Max WS	730.60	22.20	26.64		26.64	0.000005	0.24	3079.45	976.92	0.02
Hempstead Lake	13512.6*	Max WS	730.59	22.36	26.64		26.64	0.000006	0.24	3018.86	990.08	0.02
Hempstead Lake	13493.3*	Max WS	730.58	22.53	26.64		26.64	0.000006	0.25	2959.68	999.99	0.03
Hempstead Lake	13474.1*	Max WS	730.57	22.69	26.64		26.64	0.000006	0.25	2900.88	1008.42	0.03
Hempstead Lake	13454.9*	Max WS	730.56	22.85	26.64		26.64	0.000007	0.26	2842.87	1020.62	0.03
Hempstead Lake	13435.72	Max WS	730.55	23.01	26.64		26.64	0.000007	0.26	2786.81	1027.11	0.03
Hempstead Lake	13419.3*	Max WS	730.06	23.00	26.64		26.64	0.000008	0.27	2718.63	1021.31	0.03
Hempstead Lake	13403.0*	Max WS	730.53	23.00	26.64		26.64	0.000009	0.28	2660.70	1011.68	0.03
Hempstead Lake	13386.6*	Max WS	730.51	22.99	26.64		26.64	0.000009	0.28	2613.38	1002.88	0.03
Hempstead Lake	13370.3*	Max WS	730.05	22.98	26.64		26.64	0.000009	0.28	2580.50	979.68	0.03
Hempstead Lake	13354.*	Max WS	730.05	22.98	26.64		26.64	0.000010	0.28	2561.72	968.11	0.03
Hempstead Lake	13337.6*	Max WS	730.05	22.97	26.64		26.64	0.000010	0.29	2554.75	947.99	0.03
Hempstead Lake	13321.3*	Max WS	730.04	22.96	26.64		26.64	0.000010	0.29	2558.17	939.39	0.03
Hempstead Lake	13304.9*	Max WS	730.04	22.95	26.64		26.64	0.000011	0.28	2567.14	934.20	0.03
Hempstead Lake	13288.6*	Max WS	730.04	22.95	26.64		26.64	0.000011	0.28	2579.81	931.42	0.03
Hempstead Lake	13272.29	Max WS	730.03	22.94	26.64		26.64	0.000008	0.28	2596.78	930.51	0.03
Hempstead Lake	13255.0*	Max WS	730.03	22.90	26.64		26.64	0.000009	0.28	2565.04	928.54	0.03
Hempstead Lake	13237.8*	Max WS	730.02	22.87	26.64		26.64	0.000009	0.29	2536.79	926.60	0.03
Hempstead Lake	13220.5*	Max WS	730.02	22.83	26.64		26.64	0.000010	0.29	2512.90	924.75	0.03
Hempstead Lake	13203.3*	Max WS	730.01	22.80	26.64		26.64	0.000010	0.29	2491.85	922.94	0.03
Hempstead Lake	13186.0*	Max WS	730.00	22.76	26.64		26.64	0.000011	0.29	2475.24	921.20	0.03
Hempstead Lake	13168.8*	Max WS	730.00	22.72	26.64		26.64	0.000012	0.30	2462.31	919.36	0.03
Hempstead Lake	13151.6*	Max WS	729.99	22.69	26.64		26.64	0.000012	0.30	2452.46	917.67	0.03
Hempstead Lake	13134.3*	Max WS	729.99	22.65	26.64		26.64	0.000013	0.30	2446.90	915.96	0.03
Hempstead Lake	13117.1*	Max WS	729.98	22.62	26.64		26.64	0.000014	0.30	2445.23	914.18	0.03
Hempstead Lake	13099.8*	Max WS	729.97	22.58	26.64		26.64	0.000013	0.30	2447.92	905.47	0.03
Hempstead Lake	13082.6*	Max WS	729.96	22.55	26.64		26.64	0.000013	0.30	2455.61	893.16	0.03
Hempstead Lake	13065.3*	Max WS	729.96	22.51	26.64		26.64	0.000013	0.30	2470.32	884.49	0.03
Hempstead Lake	13048.1*	Max WS	729.95	22.47	26.64		26.64	0.000013	0.29	2489.43	879.66	0.03
Hempstead Lake	13030.9*	Max WS	729.94	22.44	26.64		26.64	0.000013	0.29	2512.50	877.49	0.03
Hempstead Lake	13013.6*	Max WS	729.93	22.40	26.64		26.64	0.000013	0.29	2539.71	900.03	0.03
Hempstead Lake	12996.4*	Max WS	729.93	22.37	26.64		26.64	0.000013	0.28	2574.62	914.07	0.03
Hempstead Lake	12979.1*	Max WS	729.92	22.33	26.64		26.64	0.000012	0.28	2611.43	921.12	0.03
Hempstead Lake	12961.9*	Max WS	729.91	22.29	26.64		26.64	0.000012	0.28	2653.77	929.29	0.03
Hempstead Lake	12944.7*	Max WS	729.90	22.26	26.64		26.64	0.000013	0.27	2697.60	939.24	0.03
Hempstead Lake	12927.4*	Max WS	729.89	22.22	26.64		26.64	0.000012	0.27	2745.31	950.82	0.03
Hempstead Lake	12910.2*	Max WS	729.89	22.19	26.64		26.64	0.000012	0.26	2794.09	961.74	0.03
Hempstead Lake	12892.97	Max WS	729.88	22.15	26.64		26.64	0.000006	0.26	2845.95	973.49	0.03
Hempstead Lake	12881.0*	Max WS	844.69	22.12	26.64		26.64	0.000008	0.30	2859.41	970.58	0.03
Hempstead Lake	12869.1*	Max WS	844.30	22.09	26.64		26.64	0.000008	0.29	2874.67	967.57	0.03
Hempstead Lake	12857.1*	Max WS	844.68	22.06	26.64		26.64	0.000008	0.29	2889.11	965.73	0.03
Hempstead Lake	12845.2*	Max WS	844.29	22.03	26.64		26.64	0.000007	0.29	2904.33	964.44	0.03
Hempstead Lake	12833.3*	Max WS	844.29	22.00	26.64		26.64	0.000007	0.29	2920.47	962.31	0.03
Hempstead Lake	12821.4*	Max WS	844.29	21.97	26.64		26.64	0.000007	0.29	2938.63	960.33	0.03
Hempstead Lake	12809.4*	Max WS	844.65	21.94	26.64		26.64	0.000007	0.29	2957.30	959.02	0.03
Hempstead Lake	12797.5*	Max WS	844.29	21.92	26.64		26.64	0.000007	0.28	2976.91	957.84	0.03
Hempstead Lake	12785.6*	Max WS	844.29	21.89	26.64		26.64	0.000007	0.28	2999.71	952.04	0.03
Hempstead Lake	12773.7*	Max WS	844.62	21.86	26.63		26.64	0.000006	0.28	3023.46	933.13	0.03
Hempstead Lake	12761.7*	Max WS	844.29	21.83	26.63		26.64	0.000006	0.28	3048.67	919.69	0.03
Hempstead Lake	12749.8*	Max WS	844.61	21.80	26.63		26.64	0.000006	0.27	3077.55	903.79	0.03
Hempstead Lake	12737.9*	Max WS	844.60	21.77	26.63		26.64	0.000006	0.27	3107.12	897.38	0.03
Hempstead Lake	12726.0*	Max WS	844.29	21.74	26.63		26.64	0.000006	0.27	3138.17	897.24	0.03
Hempstead Lake	12714.0*	Max WS	844.58	21.71	26.63		26.64	0.000005	0.27	3168.93	897.34	0.02
Hempstead Lake	12702.1*	Max WS	844.28	21.68	26.63		26.64	0.000005	0.26	3202.61	897.55	0.02
Hempstead Lake	12690.2*	Max WS	844.57	21.65	26.63		26.64	0.000005	0.26	3236.72	897.78	0.02
Hempstead Lake	12678.3*	Max WS	844.56	21.62	26.63		26.64	0.000005	0.26	3270.50	896.49	0.02
Hempstead Lake	12666.3*	Max WS	844.55	21.59	26.63		26.64	0.000005	0.26	3305.46	895.29	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12654.4*	Max WS	844.28	21.56	26.63		26.64	0.000004	0.25	3340.59	894.04	0.02
Hempstead Lake	12642.5*	Max WS	844.54	21.53	26.63		26.64	0.000004	0.25	3377.14	892.69	0.02
Hempstead Lake	12630.6*	Max WS	844.53	21.50	26.63		26.64	0.000004	0.25	3413.47	891.38	0.02
Hempstead Lake	12618.6*	Max WS	844.28	21.47	26.63		26.64	0.000004	0.24	3450.44	890.13	0.02
Hempstead Lake	12606.7*	Max WS	844.28	21.45	26.63		26.64	0.000004	0.24	3487.84	888.88	0.02
Hempstead Lake	12594.8*	Max WS	844.51	21.42	26.63		26.64	0.000004	0.24	3525.91	887.72	0.02
Hempstead Lake	12582.9*	Max WS	844.50	21.39	26.63		26.64	0.000004	0.24	3564.28	886.54	0.02
Hempstead Lake	12570.9*	Max WS	844.49	21.36	26.63		26.64	0.000003	0.23	3603.08	885.34	0.02
Hempstead Lake	12559.0*	Max WS	844.28	21.33	26.63		26.64	0.000003	0.23	3641.70	884.22	0.02
Hempstead Lake	12547.1*	Max WS	844.48	21.30	26.63		26.64	0.000003	0.23	3681.98	883.09	0.02
Hempstead Lake	12535.2*	Max WS	844.47	21.27	26.63		26.64	0.000003	0.23	3722.82	881.97	0.02
Hempstead Lake	12523.27	Max WS	844.47	21.24	26.63		26.64	0.000003	0.22	3763.16	880.88	0.02
Hempstead Lake	12515.8*	Max WS	866.53	21.24	26.63		26.64	0.000004	0.23	3760.85	877.07	0.02
Hempstead Lake	12508.3*	Max WS	866.53	21.24	26.63		26.64	0.000004	0.23	3759.45	873.47	0.02
Hempstead Lake	12500.9*	Max WS	866.52	21.23	26.63		26.64	0.000004	0.23	3757.41	869.99	0.02
Hempstead Lake	12493.4*	Max WS	866.52	21.23	26.63		26.64	0.000005	0.23	3755.38	866.69	0.02
Hempstead Lake	12486.0*	Max WS	866.51	21.23	26.63		26.63	0.000005	0.23	3754.58	863.68	0.02
Hempstead Lake	12478.5*	Max WS	866.51	21.23	26.63		26.63	0.000006	0.23	3753.60	860.89	0.02
Hempstead Lake	12471.1*	Max WS	866.32	21.23	26.63		26.63	0.000007	0.23	3759.41	894.32	0.02
Hempstead Lake	12463.7*	Max WS	866.50	21.23	26.63		26.63	0.000007	0.23	3769.04	897.57	0.02
Hempstead Lake	12456.2*	Max WS	866.32	21.22	26.63		26.63	0.000008	0.23	3779.89	897.94	0.02
Hempstead Lake	12448.8*	Max WS	866.32	21.22	26.63		26.63	0.000008	0.23	3791.71	897.44	0.02
Hempstead Lake	12441.3*	Max WS	866.49	21.22	26.63		26.63	0.000009	0.23	3802.59	895.91	0.02
Hempstead Lake	12433.9*	Max WS	866.32	21.22	26.63		26.63	0.000010	0.23	3814.55	893.91	0.02
Hempstead Lake	12426.4*	Max WS	866.48	21.22	26.63		26.63	0.000010	0.23	3828.06	891.32	0.02
Hempstead Lake	12419.0*	Max WS	866.32	21.21	26.63		26.63	0.000011	0.23	3840.05	888.26	0.02
Hempstead Lake	12411.5*	Max WS	866.32	21.21	26.63		26.63	0.000012	0.22	3852.49	883.97	0.02
Hempstead Lake	12404.1*	Max WS	866.47	21.21	26.63		26.63	0.000012	0.22	3864.45	878.85	0.02
Hempstead Lake	12396.6*	Max WS	866.46	21.21	26.63		26.63	0.000013	0.22	3876.28	873.72	0.02
Hempstead Lake	12389.2*	Max WS	866.32	21.21	26.63		26.63	0.000013	0.22	3888.38	868.44	0.02
Hempstead Lake	12381.8*	Max WS	866.46	21.21	26.63		26.63	0.000014	0.22	3899.62	863.17	0.02
Hempstead Lake	12374.3*	Max WS	866.45	21.20	26.63		26.63	0.000015	0.22	3910.21	857.84	0.02
Hempstead Lake	12366.9*	Max WS	866.45	21.20	26.63		26.63	0.000015	0.22	3921.39	852.47	0.02
Hempstead Lake	12359.46	Max WS	866.44	21.20	26.63		26.63	0.000003	0.22	3931.62	847.04	0.02
Hempstead Lake	12350.7*	Max WS	880.98	21.20	26.63		26.63	0.000018	0.23	3798.45	835.19	0.02
Hempstead Lake	12342.0*	Max WS	881.11	21.19	26.63		26.63	0.000019	0.24	3668.37	823.36	0.02
Hempstead Lake	12333.3*	Max WS	880.98	21.19	26.63		26.63	0.000021	0.25	3540.42	811.50	0.02
Hempstead Lake	12324.7*	Max WS	881.10	21.18	26.63		26.63	0.000023	0.26	3415.65	799.64	0.02
Hempstead Lake	12316.0*	Max WS	881.10	21.18	26.63		26.63	0.000025	0.27	3293.86	787.73	0.02
Hempstead Lake	12307.3*	Max WS	880.98	21.17	26.63		26.63	0.000027	0.28	3173.91	775.75	0.02
Hempstead Lake	12298.6*	Max WS	880.98	21.17	26.63		26.63	0.000029	0.29	3057.41	762.43	0.03
Hempstead Lake	12289.9*	Max WS	881.08	21.16	26.63		26.63	0.000031	0.30	2943.93	749.14	0.03
Hempstead Lake	12281.2*	Max WS	880.97	21.16	26.63		26.63	0.000033	0.31	2833.35	735.85	0.03
Hempstead Lake	12272.5*	Max WS	880.97	21.15	26.63		26.63	0.000036	0.32	2725.09	722.55	0.03
Hempstead Lake	12263.6*	Max WS	881.07	21.15	26.63		26.63	0.000040	0.34	2621.08	709.33	0.03
Hempstead Lake	12255.1*	Max WS	880.97	21.14	26.63		26.63	0.000043	0.35	2518.69	696.06	0.03
Hempstead Lake	12246.4*	Max WS	880.97	21.14	26.63		26.63	0.000047	0.36	2419.13	682.77	0.03
Hempstead Lake	12237.7*	Max WS	880.97	21.13	26.63		26.63	0.000051	0.38	2323.65	669.62	0.04
Hempstead Lake	12229.1*	Max WS	881.05	21.13	26.63		26.63	0.000056	0.40	2229.66	656.39	0.04
Hempstead Lake	12220.4*	Max WS	880.97	21.12	26.63		26.63	0.000061	0.41	2139.62	643.19	0.04
Hempstead Lake	12211.7*	Max WS	880.97	21.12	26.63		26.63	0.000067	0.43	2051.70	630.08	0.04
Hempstead Lake	12203.0*	Max WS	880.97	21.11	26.62		26.63	0.000073	0.45	1967.10	616.91	0.04
Hempstead Lake	12194.3*	Max WS	880.97	21.11	26.62		26.63	0.000080	0.47	1884.92	603.40	0.05
Hempstead Lake	12185.6*	Max WS	880.97	21.10	26.62		26.63	0.000086	0.49	1806.66	587.05	0.05
Hempstead Lake	12176.9*	Max WS	880.96	21.10	26.62		26.63	0.000092	0.51	1731.05	569.21	0.05
Hempstead Lake	12168.2*	Max WS	880.96	21.10	26.62		26.63	0.000097	0.53	1659.12	552.47	0.05
Hempstead Lake	12159.5*	Max WS	880.96	21.09	26.62		26.62	0.000104	0.55	1591.44	536.77	0.06
Hempstead Lake	12150.8*	Max WS	880.96	21.09	26.62		26.62	0.000111	0.58	1525.51	521.71	0.06
Hempstead Lake	12142.1*	Max WS	881.00	21.08	26.62		26.62	0.000090	0.60	1463.64	507.02	0.06
Hempstead Lake	12133.5*	Max WS	880.96	21.08	26.62		26.62	0.000095	0.63	1403.21	492.96	0.07
Hempstead Lake	12124.8*	Max WS	880.96	21.07	26.61		26.62	0.000099	0.65	1346.52	479.48	0.07
Hempstead Lake	12116.1*	Max WS	880.96	21.07	26.61		26.62	0.000104	0.68	1291.38	466.29	0.07
Hempstead Lake	12107.4*	Max WS	880.96	21.06	26.61		26.62	0.000108	0.71	1239.25	453.47	0.08
Hempstead Lake	12098.7*	Max WS	880.96	21.06	26.61		26.62	0.000112	0.74	1189.24	440.85	0.08
Hempstead Lake	12090.0*	Max WS	880.96	21.05	26.61		26.62	0.000115	0.77	1141.61	428.47	0.08
Hempstead Lake	12081.3*	Max WS	880.95	21.05	26.61		26.62	0.000117	0.80	1095.96	416.09	0.09
Hempstead Lake	12072.6*	Max WS	880.95	21.04	26.60		26.61	0.000119	0.84	1052.77	403.96	0.09
Hempstead Lake	12063.9*	Max WS	880.95	21.04	26.60		26.61	0.000120	0.87	1010.94	391.70	0.10
Hempstead Lake	12055.2*	Max WS	880.95	21.03	26.60		26.61	0.000113	0.91	972.29	379.12	0.10
Hempstead Lake	12046.5*	Max WS	880.95	21.03	26.60		26.61	0.000112	0.94	934.89	365.32	0.10
Hempstead Lake	12037.9*	Max WS	880.95	21.02	26.60		26.61	0.000110	0.98	901.12	346.82	0.11
Hempstead Lake	12029.2*	Max WS	880.95	21.02	26.59		26.61	0.000107	1.01	869.99	327.58	0.11
Hempstead Lake	12020.5*	Max WS	880.95	21.01	26.59		26.61	0.000102	1.05	842.76	306.23	0.11
Hempstead Lake	12011.8*	Max WS	880.95	21.01	26.59		26.61	0.000098	1.08	818.22	286.03	0.11
Hempstead Lake	12003.1*	Max WS	880.95	21.00	26.59		26.61	0.000093	1.10	797.56	268.17	0.11
Hempstead Lake	11994.45	Max WS	891.37	21.00	26.59		26.61	0.000091	1.15	778.33	255.72	0.12
Hempstead Lake	11989.45	Max WS	891.37	21.00	26.58	22.49	26.61	0.000094	1.27	699.52	192.05	0.12
Hempstead Lake	11979.45		Inl Struct									
Hempstead Lake	11969.45	Max WS	891.37	21.00	26.52		26.54	0.000209	1.30	684.33	188.94	0.11

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11964.45	Max WS	891.37	21.00	26.52		26.54	0.000388	1.30	684.08	176.71	0.11
Hempstead Lake	11954.6*	Max WS	891.37	20.92	26.51		26.54	0.000119	1.39	642.41	164.64	0.12
Hempstead Lake	11944.8*	Max WS	891.37	20.83	26.51		26.54	0.000142	1.48	601.71	154.41	0.13
Hempstead Lake	11934.9*	Max WS	891.37	20.75	26.50		26.54	0.000169	1.59	560.24	146.27	0.14
Hempstead Lake	11925.1*	Max WS	891.37	20.66	26.49		26.54	0.000201	1.71	519.83	136.93	0.15
Hempstead Lake	11915.3*	Max WS	891.36	20.58	26.48		26.53	0.000229	1.86	480.02	125.73	0.17
Hempstead Lake	11905.5*	Max WS	891.36	20.49	26.47		26.53	0.000238	2.01	444.49	103.70	0.17
Hempstead Lake	11895.6*	Max WS	891.36	20.41	26.46		26.53	0.000227	2.13	418.63	83.11	0.17
Hempstead Lake	11885.8*	Max WS	891.36	20.32	26.45		26.53	0.000247	2.25	396.36	77.61	0.18
Hempstead Lake	11876.0*	Max WS	891.36	20.24	26.44		26.52	0.000273	2.38	373.86	72.43	0.18
Hempstead Lake	11866.2*	Max WS	891.36	20.15	26.42		26.52	0.000300	2.53	351.98	67.53	0.20
Hempstead Lake	11856.4*	Max WS	891.36	20.07	26.40		26.52	0.000339	2.71	329.37	62.81	0.21
Hempstead Lake	11846.5*	Max WS	891.36	19.98	26.38		26.51	0.000388	2.90	307.07	58.26	0.22
Hempstead Lake	11836.7*	Max WS	891.36	19.90	26.36		26.51	0.000459	3.14	283.87	53.80	0.24
Hempstead Lake	11826.9*	Max WS	891.36	19.81	26.32		26.51	0.000561	3.42	260.69	49.46	0.26
Hempstead Lake	11817.1*	Max WS	891.36	19.73	26.28		26.50	0.000725	3.77	236.48	45.16	0.29
Hempstead Lake	11807.2*	Max WS	891.36	19.64	26.22		26.49	0.000934	4.21	211.88	40.91	0.33
Hempstead Lake	11797.46	Max WS	891.36	19.56	26.12		26.48	0.001272	4.79	185.98	36.66	0.38
Hempstead Lake	11792.46	Max WS	891.36	19.56	26.20		26.48	0.000969	4.19	212.75	44.06	0.34
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	891.36	19.54	22.74	23.02	24.43	0.013457	10.43	85.43	33.46	1.15
Hempstead Lake	11627.46	Max WS	891.36	19.54	22.66	23.07	24.58	0.015359	11.10	80.29	31.41	1.22
Hempstead Lake	11623.2*	Max WS	891.36	19.43	22.57	23.34	25.17	0.028273	12.94	68.89	29.52	1.49
Hempstead Lake	11619.1*	Max WS	891.36	19.31	22.43	23.37	25.47	0.038988	13.98	63.74	28.41	1.65
Hempstead Lake	11614.94	Max WS	126.21	19.20	22.33		22.37	0.000337	1.64	77.16	30.35	0.18
Hempstead Lake	11612.94	Max WS	126.26	19.20	22.32		22.37	0.000338	1.64	77.14	30.35	0.18
Hempstead Lake	11606.9*	Max WS	125.58	19.20	22.32		22.36	0.000358	1.63	77.04	30.33	0.18
Hempstead Lake	11600.94	Max WS	125.09	19.20	22.32		22.36	0.000333	1.62	77.01	30.33	0.18
Hempstead Lake	11598.94	Max WS	124.82	19.20	22.32		22.36	0.000332	1.62	76.99	30.33	0.18
Hempstead Lake	11573.9*	Max WS	131.20	19.18	22.34		22.35	0.000090	0.87	151.19	54.13	0.09
Hempstead Lake	11548.9*	Max WS	132.51	19.15	22.35		22.35	0.000045	0.59	225.35	77.86	0.06
Hempstead Lake	11523.9*	Max WS	132.92	19.12	22.35		22.35	0.000028	0.44	299.64	101.63	0.05
Hempstead Lake	11498.9*	Max WS	133.28	19.10	22.35		22.35	0.000020	0.36	374.03	125.53	0.04
Hempstead Lake	11473.9*	Max WS	133.22	19.08	22.35		22.35	0.000017	0.30	448.77	149.82	0.03
Hempstead Lake	11448.9*	Max WS	133.16	19.05	22.35		22.35	0.000014	0.25	524.16	174.22	0.03
Hempstead Lake	11423.9*	Max WS	133.28	19.02	22.35		22.35	0.000012	0.22	599.93	198.66	0.02
Hempstead Lake	11398.9*	Max WS	133.34	19.00	22.35		22.35	0.000011	0.20	675.80	223.26	0.02
Hempstead Lake	11373.9*	Max WS	132.86	18.98	22.35		22.35	0.000009	0.18	752.18	247.99	0.02
Hempstead Lake	11349.*	Max WS	133.10	18.95	22.35		22.35	0.000008	0.16	829.60	272.84	0.02
Hempstead Lake	11324.*	Max WS	133.10	18.92	22.35		22.35	0.000008	0.15	907.16	297.95	0.01
Hempstead Lake	11299.0*	Max WS	133.04	18.90	22.35		22.35	0.000007	0.14	984.93	323.31	0.01
Hempstead Lake	11274.0*	Max WS	132.86	18.88	22.35		22.35	0.000006	0.12	1064.62	348.99	0.01
Hempstead Lake	11249.0*	Max WS	132.98	18.85	22.35		22.35	0.000006	0.12	1145.14	375.17	0.01
Hempstead Lake	11224.0*	Max WS	132.98	18.83	22.35		22.35	0.000005	0.11	1227.10	401.71	0.01
Hempstead Lake	11199.0*	Max WS	132.92	18.80	22.35		22.35	0.000005	0.10	1310.45	427.11	0.01
Hempstead Lake	11174.0*	Max WS	132.86	18.77	22.35		22.35	0.000005	0.09	1399.30	470.57	0.01
Hempstead Lake	11149.0*	Max WS	132.63	18.75	22.35		22.35	0.000004	0.09	1559.97	745.25	0.01
Hempstead Lake	11124.0*	Max WS	132.80	18.73	22.35		22.35	0.000003	0.07	1967.37	1083.25	0.01
Hempstead Lake	11099.0*	Max WS	132.75	18.70	22.35		22.35	0.000001	0.05	2503.21	1294.12	0.01
Hempstead Lake	11074.0*	Max WS	132.86	18.67	22.35		22.35	0.000001	0.03	3196.62	1471.13	0.00
Hempstead Lake	11049.07	Max WS	132.80	18.65	22.35		22.35	0.000000	0.04	3954.27	1545.42	0.00
Hempstead Lake	11038.4*	Max WS	132.74	18.61	22.35		22.35	0.000000	0.03	3576.87	1525.91	0.00
Hempstead Lake	11027.7*	Max WS	132.69	18.58	22.35		22.35	0.000001	0.03	3215.64	1506.75	0.00
Hempstead Lake	11017.0*	Max WS	132.80	18.54	22.35		22.35	0.000001	0.04	2867.79	1486.56	0.00
Hempstead Lake	11006.4*	Max WS	132.79	18.50	22.35		22.35	0.000001	0.05	2558.00	1309.13	0.01
Hempstead Lake	10995.7*	Max WS	132.74	18.47	22.35		22.35	0.000002	0.06	2306.30	1239.57	0.01
Hempstead Lake	10985.0*	Max WS	132.74	18.43	22.35		22.35	0.000002	0.07	2075.08	1177.33	0.01
Hempstead Lake	10974.4*	Max WS	132.69	18.39	22.35		22.35	0.000003	0.07	1876.35	1022.37	0.01
Hempstead Lake	10963.7*	Max WS	132.68	18.35	22.35		22.35	0.000003	0.08	1761.09	867.29	0.01
Hempstead Lake	10953.1*	Max WS	132.63	18.32	22.35		22.35	0.000003	0.08	1720.99	645.47	0.01
Hempstead Lake	10942.4*	Max WS	132.68	18.28	22.35		22.35	0.000003	0.08	1717.58	617.08	0.01
Hempstead Lake	10931.7*	Max WS	132.58	18.24	22.35		22.35	0.000003	0.08	1717.45	606.62	0.01
Hempstead Lake	10921.1*	Max WS	132.68	18.21	22.35		22.35	0.000002	0.08	1722.91	595.58	0.01
Hempstead Lake	10910.4*	Max WS	132.68	18.17	22.35		22.35	0.000002	0.08	1733.91	587.00	0.01
Hempstead Lake	10899.7*	Max WS	132.53	18.13	22.35		22.35	0.000002	0.08	1746.91	579.99	0.01
Hempstead Lake	10889.1*	Max WS	132.63	18.10	22.35		22.35	0.000002	0.08	1762.80	575.85	0.01
Hempstead Lake	10878.4*	Max WS	132.58	18.06	22.35		22.35	0.000002	0.07	1779.49	573.10	0.01
Hempstead Lake	10867.8*	Max WS	132.58	18.02	22.35		22.35	0.000002	0.07	1799.62	571.68	0.01
Hempstead Lake	10857.1*	Max WS	132.68	17.99	22.35		22.35	0.000002	0.07	1819.76	570.67	0.01
Hempstead Lake	10846.4*	Max WS	132.68	17.95	22.35		22.35	0.000001	0.07	1842.09	570.57	0.01
Hempstead Lake	10835.8*	Max WS	132.67	17.91	22.35		22.35	0.000001	0.07	1864.40	570.81	0.01
Hempstead Lake	10825.1*	Max WS	132.67	17.88	22.35		22.35	0.000001	0.07	1888.13	571.31	0.01
Hempstead Lake	10814.4*	Max WS	132.67	17.84	22.35		22.35	0.000001	0.07	1913.30	572.48	0.01
Hempstead Lake	10803.8*	Max WS	132.67	17.80	22.35		22.35	0.000001	0.07	1937.93	573.97	0.01
Hempstead Lake	10793.1*	Max WS	132.67	17.76	22.35		22.35	0.000001	0.07	1964.22	575.76	0.01
Hempstead Lake	10782.4*	Max WS	132.62	17.73	22.35		22.35	0.000001	0.07	1990.28	577.65	0.01
Hempstead Lake	10771.8*	Max WS	132.57	17.69	22.35		22.35	0.000001	0.07	2018.51	579.62	0.01
Hempstead Lake	10761.1*	Max WS	132.53	17.65	22.35		22.35	0.000001	0.06	2046.96	582.14	0.01
Hempstead Lake	10750.5*	Max WS	132.52	17.62	22.35		22.35	0.000001	0.06	2074.16	584.60	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10739.8*	Max WS	132.62	17.58	22.35		22.35	0.000001	0.06	2103.57	587.46	0.01
Hempstead Lake	10729.1*	Max WS	132.62	17.54	22.35		22.35	0.000001	0.06	2133.33	590.33	0.01
Hempstead Lake	10718.5*	Max WS	132.57	17.51	22.35		22.35	0.000001	0.06	2161.75	593.40	0.01
Hempstead Lake	10707.8*	Max WS	132.66	17.47	22.35		22.35	0.000001	0.06	2193.08	596.71	0.01
Hempstead Lake	10697.1*	Max WS	132.43	17.43	22.35		22.35	0.000000	0.06	2223.14	599.83	0.01
Hempstead Lake	10686.5*	Max WS	132.57	17.40	22.35		22.35	0.000000	0.06	2254.15	603.35	0.01
Hempstead Lake	10675.8*	Max WS	132.61	17.36	22.35		22.35	0.000000	0.06	2285.74	606.89	0.01
Hempstead Lake	10665.2*	Max WS	132.48	17.32	22.35		22.35	0.000000	0.06	2317.42	610.49	0.01
Hempstead Lake	10654.5*	Max WS	132.61	17.29	22.35		22.35	0.000000	0.06	2348.35	614.10	0.01
Hempstead Lake	10643.8*	Max WS	132.61	17.25	22.35		22.35	0.000000	0.06	2381.40	617.87	0.00
Hempstead Lake	10633.2*	Max WS	132.57	17.21	22.35		22.35	0.000000	0.05	2414.33	621.78	0.00
Hempstead Lake	10622.5*	Max WS	132.61	17.17	22.35		22.35	0.000000	0.05	2447.52	625.67	0.00
Hempstead Lake	10611.8*	Max WS	132.43	17.14	22.35		22.35	0.000000	0.05	2480.08	629.47	0.00
Hempstead Lake	10601.2*	Max WS	132.70	17.10	22.35		22.35	0.000000	0.05	2514.37	633.54	0.00
Hempstead Lake	10590.5*	Max WS	132.70	17.06	22.35		22.35	0.000000	0.05	2548.35	637.59	0.00
Hempstead Lake	10579.8*	Max WS	132.56	17.03	22.35		22.35	0.000000	0.05	2582.05	641.78	0.00
Hempstead Lake	10569.23	Max WS	132.61	16.99	22.35		22.35	0.000000	0.05	2616.80	645.83	0.00
Hempstead Lake	10549.1*	Max WS	132.61	16.96	22.35		22.35	0.000000	0.05	2614.28	645.71	0.00
Hempstead Lake	10529.0*	Max WS	132.52	16.94	22.35		22.35	0.000000	0.05	2613.11	645.84	0.00
Hempstead Lake	10508.9*	Max WS	132.47	16.91	22.35		22.35	0.000000	0.05	2613.23	645.91	0.00
Hempstead Lake	10488.7*	Max WS	132.65	16.89	22.35		22.35	0.000000	0.05	2613.02	646.09	0.00
Hempstead Lake	10468.6*	Max WS	132.61	16.86	22.35		22.35	0.000000	0.05	2615.28	646.63	0.00
Hempstead Lake	10448.5*	Max WS	132.56	16.83	22.35		22.35	0.000000	0.05	2619.11	647.13	0.00
Hempstead Lake	10428.4*	Max WS	132.52	16.81	22.35		22.35	0.000000	0.05	2623.45	647.84	0.00
Hempstead Lake	10408.3*	Max WS	132.52	16.78	22.35		22.35	0.000000	0.05	2630.82	648.66	0.00
Hempstead Lake	10388.2*	Max WS	132.60	16.76	22.35		22.35	0.000000	0.05	2636.95	649.64	0.00
Hempstead Lake	10368.1*	Max WS	132.60	16.73	22.35		22.35	0.000000	0.05	2646.92	651.03	0.00
Hempstead Lake	10348.0*	Max WS	132.52	16.71	22.35		22.35	0.000000	0.05	2656.66	652.38	0.00
Hempstead Lake	10327.9*	Max WS	132.47	16.68	22.35		22.35	0.000000	0.05	2668.58	653.99	0.00
Hempstead Lake	10307.8*	Max WS	132.69	16.65	22.35		22.35	0.000000	0.05	2682.54	656.02	0.00
Hempstead Lake	10287.7*	Max WS	132.60	16.63	22.35		22.35	0.000000	0.05	2697.10	658.18	0.00
Hempstead Lake	10267.6*	Max WS	132.60	16.60	22.35		22.35	0.000000	0.05	2714.37	660.79	0.00
Hempstead Lake	10247.4*	Max WS	132.52	16.58	22.35		22.35	0.000000	0.05	2732.11	663.58	0.00
Hempstead Lake	10227.3*	Max WS	132.48	16.55	22.35		22.35	0.000000	0.05	2752.30	666.77	0.00
Hempstead Lake	10207.2*	Max WS	132.51	16.52	22.35		22.35	0.000000	0.05	2775.66	670.45	0.00
Hempstead Lake	10187.1*	Max WS	132.64	16.50	22.35		22.35	0.000000	0.05	2798.97	674.62	0.00
Hempstead Lake	10167.0*	Max WS	132.68	16.47	22.35		22.35	0.000000	0.05	2825.97	679.54	0.00
Hempstead Lake	10146.9*	Max WS	132.72	16.45	22.35		22.35	0.000000	0.05	2853.45	685.17	0.00
Hempstead Lake	10126.8*	Max WS	132.64	16.42	22.35		22.35	0.000000	0.05	2886.38	691.86	0.00
Hempstead Lake	10106.7*	Max WS	132.68	16.40	22.35		22.35	0.000000	0.05	2918.86	698.92	0.00
Hempstead Lake	10086.6*	Max WS	132.56	16.37	22.35		22.35	0.000000	0.04	2956.62	707.05	0.00
Hempstead Lake	10066.5*	Max WS	132.64	16.34	22.35		22.35	0.000000	0.04	2997.11	716.71	0.00
Hempstead Lake	10046.4*	Max WS	132.63	16.32	22.35		22.35	0.000000	0.04	3041.69	729.07	0.00
Hempstead Lake	10026.2*	Max WS	132.44	16.29	22.35		22.35	0.000000	0.04	3092.29	744.31	0.00
Hempstead Lake	10006.1*	Max WS	132.63	16.27	22.35		22.35	0.000000	0.04	3148.42	762.37	0.00
Hempstead Lake	9986.073	Max WS	132.59	16.24	22.35		22.35	0.000000	0.04	3209.29	762.93	0.00
Hempstead Lake	9965.77*	Max WS	132.63	16.21	22.35		22.35	0.000000	0.04	3229.73	760.74	0.00
Hempstead Lake	9945.47*	Max WS	132.71	16.19	22.35		22.35	0.000000	0.04	3248.04	758.65	0.00
Hempstead Lake	9925.18*	Max WS	132.59	16.16	22.35		22.35	0.000000	0.04	3268.28	756.44	0.00
Hempstead Lake	9904.88*	Max WS	132.51	16.13	22.35		22.35	0.000000	0.04	3287.88	754.47	0.00
Hempstead Lake	9884.59*	Max WS	132.59	16.11	22.35		22.35	0.000000	0.04	3306.08	752.59	0.00
Hempstead Lake	9864.29*	Max WS	132.67	16.08	22.35		22.35	0.000000	0.04	3325.48	750.79	0.00
Hempstead Lake	9843.99*	Max WS	132.63	16.05	22.35		22.35	0.000000	0.04	3345.74	748.90	0.00
Hempstead Lake	9823.7*	Max WS	132.47	16.03	22.35		22.35	0.000000	0.04	3363.99	747.28	0.00
Hempstead Lake	9803.40*	Max WS	132.66	16.00	22.35		22.35	0.000000	0.04	3382.72	745.77	0.00
Hempstead Lake	9783.10*	Max WS	132.59	15.97	22.35		22.35	0.000000	0.04	3402.13	744.43	0.00
Hempstead Lake	9762.81*	Max WS	132.70	15.95	22.35		22.35	0.000000	0.04	3419.93	743.14	0.00
Hempstead Lake	9742.51*	Max WS	132.55	15.92	22.35		22.35	0.000000	0.04	3439.58	742.23	0.00
Hempstead Lake	9722.21*	Max WS	132.51	15.89	22.35		22.35	0.000000	0.04	3458.53	741.55	0.00
Hempstead Lake	9701.92*	Max WS	132.62	15.87	22.35		22.35	0.000000	0.04	3477.15	741.08	0.00
Hempstead Lake	9681.62*	Max WS	132.55	15.84	22.35		22.35	0.000000	0.04	3496.16	740.70	0.00
Hempstead Lake	9661.32*	Max WS	132.70	15.81	22.35		22.35	0.000000	0.04	3517.27	740.88	0.00
Hempstead Lake	9641.03*	Max WS	132.62	15.79	22.35		22.35	0.000000	0.04	3536.53	741.33	0.00
Hempstead Lake	9620.73*	Max WS	132.55	15.76	22.35		22.35	0.000000	0.04	3557.48	742.30	0.00
Hempstead Lake	9600.43*	Max WS	132.66	15.73	22.35		22.35	0.000000	0.04	3578.43	743.34	0.00
Hempstead Lake	9580.14*	Max WS	132.66	15.71	22.35		22.35	0.000000	0.04	3600.15	745.07	0.00
Hempstead Lake	9559.84*	Max WS	132.62	15.68	22.35		22.35	0.000000	0.04	3623.79	747.74	0.00
Hempstead Lake	9539.54*	Max WS	132.58	15.66	22.35		22.35	0.000000	0.04	3647.99	748.92	0.00
Hempstead Lake	9519.25*	Max WS	132.66	15.63	22.35		22.35	0.000000	0.04	3671.14	746.32	0.00
Hempstead Lake	9498.95*	Max WS	132.62	15.60	22.35		22.35	0.000000	0.04	3697.41	743.55	0.00
Hempstead Lake	9478.65*	Max WS	132.62	15.58	22.35		22.35	0.000000	0.04	3721.71	740.65	0.00
Hempstead Lake	9458.36*	Max WS	132.62	15.55	22.35		22.35	0.000000	0.04	3746.09	737.74	0.00
Hempstead Lake	9438.06*	Max WS	132.51	15.52	22.35		22.35	0.000000	0.04	3769.30	734.65	0.00
Hempstead Lake	9417.76*	Max WS	132.55	15.50	22.35		22.35	0.000000	0.03	3793.11	731.52	0.00
Hempstead Lake	9397.47*	Max WS	132.65	15.47	22.35		22.35	0.000000	0.03	3815.87	728.25	0.00
Hempstead Lake	9377.17*	Max WS	132.65	15.44	22.35		22.35	0.000000	0.03	3840.37	724.95	0.00
Hempstead Lake	9356.87*	Max WS	132.62	15.42	22.35		22.35	0.000000	0.03	3860.62	721.49	0.00
Hempstead Lake	9336.58*	Max WS	132.61	15.39	22.35		22.35	0.000000	0.03	3883.71	717.96	0.00
Hempstead Lake	9316.28*	Max WS	132.58	15.36	22.35		22.35	0.000000	0.03	3906.31	714.38	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9295.98*	Max WS	132.68	15.34	22.35		22.35	0.000000	0.03	3926.47	710.67	0.00
Hempstead Lake	9275.69*	Max WS	132.68	15.31	22.35		22.35	0.000000	0.03	3947.40	706.95	0.00
Hempstead Lake	9255.39*	Max WS	132.71	15.28	22.35		22.35	0.000000	0.03	3967.67	703.12	0.00
Hempstead Lake	9235.09*	Max WS	132.65	15.26	22.35		22.35	0.000000	0.03	3985.91	699.17	0.00
Hempstead Lake	9214.80*	Max WS	132.61	15.23	22.35		22.35	0.000000	0.03	4006.20	695.23	0.00
Hempstead Lake	9194.50*	Max WS	132.64	15.20	22.35		22.35	0.000000	0.03	4024.11	691.15	0.00
Hempstead Lake	9174.20*	Max WS	132.61	15.18	22.35		22.35	0.000000	0.03	4040.57	687.02	0.00
Hempstead Lake	9153.910	Max WS	132.61	15.15	22.35		22.35	0.000000	0.03	4058.42	682.82	0.00
Hempstead Lake	9133.22*	Max WS	136.67	15.12	22.35		22.35	0.000000	0.03	4056.78	685.10	0.00
Hempstead Lake	9112.54*	Max WS	136.57	15.10	22.35		22.35	0.000000	0.03	4052.23	687.22	0.00
Hempstead Lake	9091.85*	Max WS	136.57	15.07	22.35		22.35	0.000000	0.03	4050.61	689.29	0.00
Hempstead Lake	9071.17*	Max WS	136.54	15.05	22.35		22.35	0.000000	0.03	4046.75	690.34	0.00
Hempstead Lake	9050.49*	Max WS	136.54	15.02	22.35		22.35	0.000000	0.03	4043.93	691.24	0.00
Hempstead Lake	9029.80*	Max WS	136.64	15.00	22.35		22.35	0.000000	0.03	4039.98	691.99	0.00
Hempstead Lake	9009.12*	Max WS	136.57	14.97	22.35		22.35	0.000000	0.03	4037.22	692.49	0.00
Hempstead Lake	8988.44*	Max WS	136.60	14.95	22.35		22.35	0.000000	0.03	4033.86	692.97	0.00
Hempstead Lake	8967.75*	Max WS	136.54	14.92	22.35		22.35	0.000000	0.03	4031.15	693.10	0.00
Hempstead Lake	8947.07*	Max WS	136.60	14.90	22.35		22.35	0.000000	0.03	4027.86	693.11	0.00
Hempstead Lake	8926.39*	Max WS	136.63	14.87	22.35		22.35	0.000000	0.03	4025.82	692.88	0.00
Hempstead Lake	8905.70*	Max WS	136.60	14.85	22.35		22.35	0.000000	0.03	4023.76	692.48	0.00
Hempstead Lake	8885.02*	Max WS	136.63	14.82	22.35		22.35	0.000000	0.03	4021.92	691.74	0.00
Hempstead Lake	8864.33*	Max WS	136.63	14.80	22.35		22.35	0.000000	0.03	4020.02	690.62	0.00
Hempstead Lake	8843.65*	Max WS	136.63	14.77	22.35		22.35	0.000000	0.03	4019.76	690.06	0.00
Hempstead Lake	8822.97*	Max WS	136.54	14.75	22.35		22.35	0.000000	0.03	4018.79	689.41	0.00
Hempstead Lake	8802.28*	Max WS	136.63	14.72	22.35		22.35	0.000000	0.03	4019.09	688.68	0.00
Hempstead Lake	8781.60*	Max WS	136.60	14.70	22.35		22.35	0.000000	0.03	4019.26	687.89	0.00
Hempstead Lake	8760.92*	Max WS	136.56	14.67	22.35		22.35	0.000000	0.03	4020.27	686.85	0.00
Hempstead Lake	8740.23*	Max WS	136.60	14.65	22.35		22.35	0.000000	0.03	4023.37	681.50	0.00
Hempstead Lake	8719.55*	Max WS	136.66	14.62	22.35		22.35	0.000000	0.03	4026.53	676.74	0.00
Hempstead Lake	8698.86*	Max WS	136.59	14.60	22.35		22.35	0.000000	0.03	4033.64	672.75	0.00
Hempstead Lake	8678.18*	Max WS	136.62	14.57	22.35		22.35	0.000000	0.03	4040.17	669.20	0.00
Hempstead Lake	8657.50*	Max WS	136.59	14.55	22.35		22.35	0.000000	0.03	4046.61	666.08	0.00
Hempstead Lake	8636.81*	Max WS	136.65	14.52	22.35		22.35	0.000000	0.03	4055.47	663.39	0.00
Hempstead Lake	8616.13*	Max WS	136.62	14.50	22.35		22.35	0.000000	0.03	4063.72	660.87	0.00
Hempstead Lake	8595.45*	Max WS	136.59	14.47	22.35		22.35	0.000000	0.03	4074.99	658.77	0.00
Hempstead Lake	8574.76*	Max WS	136.62	14.45	22.35		22.35	0.000000	0.03	4084.30	656.60	0.00
Hempstead Lake	8554.08*	Max WS	136.62	14.42	22.35		22.35	0.000000	0.03	4095.66	654.90	0.00
Hempstead Lake	8533.39*	Max WS	136.51	14.40	22.35		22.35	0.000000	0.03	4106.60	653.30	0.00
Hempstead Lake	8512.71*	Max WS	136.65	14.37	22.35		22.35	0.000000	0.03	4118.51	651.89	0.00
Hempstead Lake	8492.03*	Max WS	136.65	14.35	22.35		22.35	0.000000	0.03	4131.34	650.59	0.00
Hempstead Lake	8471.34*	Max WS	136.62	14.32	22.35		22.35	0.000000	0.03	4144.90	649.44	0.00
Hempstead Lake	8450.66*	Max WS	136.59	14.30	22.35		22.35	0.000000	0.03	4158.17	648.39	0.00
Hempstead Lake	8429.980	Max WS	136.59	14.27	22.35		22.35	0.000000	0.03	4171.43	647.30	0.00
Hempstead Lake	8416.34*	Max WS	136.59	14.25	22.35		22.35	0.000000	0.03	4198.99	651.67	0.00
Hempstead Lake	8402.71*	Max WS	136.56	14.23	22.35		22.35	0.000000	0.03	4227.63	656.24	0.00
Hempstead Lake	8389.07*	Max WS	136.59	14.21	22.35		22.35	0.000000	0.03	4257.20	660.88	0.00
Hempstead Lake	8375.44*	Max WS	136.61	14.19	22.35		22.35	0.000000	0.03	4288.59	665.81	0.00
Hempstead Lake	8361.81*	Max WS	136.59	14.16	22.35		22.35	0.000000	0.03	4318.95	670.72	0.00
Hempstead Lake	8348.17*	Max WS	136.56	14.14	22.35		22.35	0.000000	0.03	4350.56	675.81	0.00
Hempstead Lake	8334.54*	Max WS	136.59	14.12	22.35		22.35	0.000000	0.03	4382.35	681.04	0.00
Hempstead Lake	8320.91*	Max WS	136.59	14.10	22.35		22.35	0.000000	0.03	4415.02	686.51	0.00
Hempstead Lake	8307.27*	Max WS	136.59	14.08	22.35		22.35	0.000000	0.03	4448.16	692.09	0.00
Hempstead Lake	8293.64*	Max WS	136.58	14.06	22.35		22.35	0.000000	0.03	4484.29	698.03	0.00
Hempstead Lake	8280.00*	Max WS	136.58	14.04	22.35		22.35	0.000000	0.03	4519.27	703.22	0.00
Hempstead Lake	8266.37*	Max WS	136.61	14.02	22.35		22.35	0.000000	0.03	4553.81	708.25	0.00
Hempstead Lake	8252.74*	Max WS	136.58	13.99	22.35		22.35	0.000000	0.03	4591.15	713.35	0.00
Hempstead Lake	8239.10*	Max WS	136.61	13.97	22.35		22.35	0.000000	0.03	4627.51	718.39	0.00
Hempstead Lake	8225.47*	Max WS	136.58	13.95	22.35		22.35	0.000000	0.03	4667.22	723.48	0.00
Hempstead Lake	8211.84*	Max WS	136.58	13.93	22.35		22.35	0.000000	0.03	4705.19	728.54	0.00
Hempstead Lake	8198.20*	Max WS	136.61	13.91	22.35		22.35	0.000000	0.03	4746.01	733.79	0.00
Hempstead Lake	8184.57*	Max WS	136.61	13.89	22.35		22.35	0.000000	0.03	4785.62	738.83	0.00
Hempstead Lake	8170.93*	Max WS	136.58	13.87	22.35		22.35	0.000000	0.03	4827.26	743.98	0.00
Hempstead Lake	8157.30*	Max WS	136.60	13.85	22.35		22.35	0.000000	0.03	4867.99	749.10	0.00
Hempstead Lake	8143.67*	Max WS	136.63	13.82	22.35		22.35	0.000000	0.03	4912.34	754.27	0.00
Hempstead Lake	8130.03*	Max WS	136.60	13.80	22.35		22.35	0.000000	0.03	4954.97	759.37	0.00
Hempstead Lake	8116.40*	Max WS	136.63	13.78	22.35		22.35	0.000000	0.03	5000.01	764.72	0.00
Hempstead Lake	8102.76*	Max WS	136.63	13.76	22.35		22.35	0.000000	0.03	5043.60	769.90	0.00
Hempstead Lake	8089.13*	Max WS	136.63	13.74	22.35		22.35	0.000000	0.03	5088.16	775.04	0.00
Hempstead Lake	8075.50*	Max WS	136.63	13.72	22.35		22.35	0.000000	0.03	5134.77	780.31	0.00
Hempstead Lake	8061.86*	Max WS	136.65	13.70	22.35		22.35	0.000000	0.03	5180.86	785.57	0.00
Hempstead Lake	8048.23*	Max WS	136.63	13.68	22.35		22.35	0.000000	0.03	5229.00	790.80	0.00
Hempstead Lake	8034.6*	Max WS	136.65	13.65	22.35		22.35	0.000000	0.03	5277.35	796.11	0.00
Hempstead Lake	8020.96*	Max WS	136.65	13.63	22.35		22.35	0.000000	0.03	5327.91	801.65	0.00
Hempstead Lake	8007.33*	Max WS	136.54	13.61	22.35		22.35	0.000000	0.03	5377.10	806.94	0.00
Hempstead Lake	7993.69*	Max WS	136.65	13.59	22.35		22.35	0.000000	0.03	5428.18	812.37	0.00
Hempstead Lake	7980.06*	Max WS	136.56	13.57	22.35		22.35	0.000000	0.02	5478.20	817.81	0.00
Hempstead Lake	7966.43*	Max WS	136.56	13.55	22.35		22.35	0.000000	0.02	5530.98	823.31	0.00
Hempstead Lake	7952.79*	Max WS	136.60	13.53	22.35		22.35	0.000000	0.02	5584.05	828.73	0.00
Hempstead Lake	7939.16*	Max WS	136.60	13.51	22.35		22.35	0.000000	0.02	5636.92	834.47	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7925.53*	Max WS	136.60	13.48	22.35		22.35	0.000000	0.02	5692.21	840.10	0.00
Hempstead Lake	7911.89*	Max WS	136.58	13.46	22.35		22.35	0.000000	0.02	5747.20	845.65	0.00
Hempstead Lake	7898.26*	Max WS	136.58	13.44	22.35		22.35	0.000000	0.02	5804.26	851.37	0.00
Hempstead Lake	7884.62*	Max WS	136.58	13.42	22.35		22.35	0.000000	0.02	5859.80	857.11	0.00
Hempstead Lake	7870.99*	Max WS	136.62	13.40	22.35		22.35	0.000000	0.02	5917.70	862.83	0.00
Hempstead Lake	7857.36*	Max WS	136.62	13.38	22.35		22.35	0.000000	0.02	5974.84	868.69	0.00
Hempstead Lake	7843.72*	Max WS	136.62	13.36	22.35		22.35	0.000000	0.02	6035.85	874.84	0.00
Hempstead Lake	7830.09*	Max WS	136.64	13.34	22.35		22.35	0.000000	0.02	6095.46	880.72	0.00
Hempstead Lake	7816.45*	Max WS	136.62	13.31	22.35		22.35	0.000000	0.02	6157.41	887.32	0.00
Hempstead Lake	7802.82*	Max WS	136.64	13.29	22.35		22.35	0.000000	0.02	6218.38	893.99	0.00
Hempstead Lake	7789.19*	Max WS	136.62	13.27	22.35		22.35	0.000000	0.02	6281.47	900.73	0.00
Hempstead Lake	7775.55*	Max WS	136.64	13.25	22.35		22.35	0.000000	0.02	6344.80	907.40	0.00
Hempstead Lake	7761.92*	Max WS	136.62	13.23	22.35		22.35	0.000000	0.02	6409.91	914.50	0.00
Hempstead Lake	7748.29*	Max WS	136.66	13.21	22.35		22.35	0.000000	0.02	6476.67	921.47	0.00
Hempstead Lake	7734.65*	Max WS	136.62	13.19	22.35		22.35	0.000000	0.02	6542.63	928.33	0.00
Hempstead Lake	7721.02*	Max WS	136.64	13.17	22.35		22.35	0.000000	0.02	6611.43	935.50	0.00
Hempstead Lake	7707.38*	Max WS	136.63	13.14	22.35		22.35	0.000000	0.02	6679.81	942.81	0.00
Hempstead Lake	7693.75*	Max WS	136.57	13.12	22.35		22.35	0.000000	0.02	6749.79	950.14	0.00
Hempstead Lake	7680.12*	Max WS	136.56	13.10	22.35		22.35	0.000000	0.02	6821.05	957.75	0.00
Hempstead Lake	7666.48*	Max WS	136.56	13.08	22.35		22.35	0.000000	0.02	6895.15	965.67	0.00
Hempstead Lake	7652.85*	Max WS	136.56	13.06	22.35		22.35	0.000000	0.02	6966.74	973.51	0.00
Hempstead Lake	7639.22*	Max WS	136.55	13.04	22.35		22.35	0.000000	0.02	7042.51	981.70	0.00
Hempstead Lake	7625.58*	Max WS	136.59	13.02	22.35		22.35	0.000000	0.02	7118.10	989.77	0.00
Hempstead Lake	7611.95*	Max WS	136.61	13.00	22.35		22.35	0.000000	0.02	7194.28	998.42	0.00
Hempstead Lake	7598.31*	Max WS	136.59	12.97	22.35		22.35	0.000000	0.02	7273.89	1007.29	0.00
Hempstead Lake	7584.68*	Max WS	136.59	12.95	22.35		22.35	0.000000	0.02	7354.82	1016.34	0.00
Hempstead Lake	7571.05*	Max WS	136.61	12.93	22.35		22.35	0.000000	0.02	7437.98	1023.01	0.00
Hempstead Lake	7557.41*	Max WS	136.61	12.91	22.35		22.35	0.000000	0.02	7519.84	1027.49	0.00
Hempstead Lake	7543.783	Max WS	136.59	12.89	22.35		22.35	0.000000	0.02	7602.68	1030.71	0.00
Hempstead Lake	7530.03*	Max WS	141.59	12.85	22.35		22.35	0.000000	0.02	7634.12	1032.08	0.00
Hempstead Lake	7516.28*	Max WS	141.57	12.82	22.35		22.35	0.000000	0.02	7665.96	1032.38	0.00
Hempstead Lake	7502.53*	Max WS	141.55	12.78	22.35		22.35	0.000000	0.02	7698.09	1031.83	0.00
Hempstead Lake	7488.79*	Max WS	141.59	12.74	22.35		22.35	0.000000	0.02	7732.96	1029.53	0.00
Hempstead Lake	7475.04*	Max WS	141.55	12.71	22.35		22.35	0.000000	0.02	7765.99	1027.94	0.00
Hempstead Lake	7461.29*	Max WS	141.57	12.67	22.35		22.35	0.000000	0.02	7801.31	1027.14	0.00
Hempstead Lake	7447.54*	Max WS	141.57	12.63	22.35		22.35	0.000000	0.02	7839.60	1026.78	0.00
Hempstead Lake	7433.79*	Max WS	141.57	12.60	22.35		22.35	0.000000	0.02	7875.66	1026.85	0.00
Hempstead Lake	7420.04*	Max WS	141.56	12.56	22.35		22.35	0.000000	0.02	7912.55	1027.28	0.00
Hempstead Lake	7406.3*	Max WS	141.58	12.52	22.35		22.35	0.000000	0.02	7951.53	1028.05	0.00
Hempstead Lake	7392.55*	Max WS	141.60	12.49	22.35		22.35	0.000000	0.02	7990.27	1029.11	0.00
Hempstead Lake	7378.80*	Max WS	141.57	12.45	22.35		22.35	0.000000	0.02	8028.07	1028.24	0.00
Hempstead Lake	7365.05*	Max WS	141.59	12.41	22.35		22.35	0.000000	0.02	8069.14	1026.79	0.00
Hempstead Lake	7351.30*	Max WS	141.58	12.38	22.35		22.35	0.000000	0.02	8110.61	1025.90	0.00
Hempstead Lake	7337.55*	Max WS	141.58	12.34	22.35		22.35	0.000000	0.02	8151.99	1024.83	0.00
Hempstead Lake	7323.81*	Max WS	141.60	12.30	22.35		22.35	0.000000	0.02	8195.83	1023.89	0.00
Hempstead Lake	7310.06*	Max WS	141.57	12.26	22.35		22.35	0.000000	0.02	8239.56	1022.75	0.00
Hempstead Lake	7296.31*	Max WS	141.58	12.23	22.35		22.35	0.000000	0.02	8286.11	1021.99	0.00
Hempstead Lake	7282.56*	Max WS	141.58	12.19	22.35		22.35	0.000000	0.02	8332.65	1024.03	0.00
Hempstead Lake	7268.81*	Max WS	141.57	12.15	22.35		22.35	0.000000	0.02	8379.61	1027.14	0.00
Hempstead Lake	7255.06*	Max WS	141.55	12.12	22.35		22.35	0.000000	0.02	8428.09	1030.55	0.00
Hempstead Lake	7241.32*	Max WS	141.57	12.08	22.35		22.35	0.000000	0.02	8475.57	1034.31	0.00
Hempstead Lake	7227.57*	Max WS	141.57	12.04	22.35		22.35	0.000000	0.02	8527.84	1037.03	0.00
Hempstead Lake	7213.82*	Max WS	141.57	12.01	22.35		22.35	0.000000	0.02	8578.72	1037.88	0.00
Hempstead Lake	7200.07*	Max WS	141.56	11.97	22.35		22.35	0.000000	0.02	8628.19	1038.76	0.00
Hempstead Lake	7186.32*	Max WS	141.58	11.93	22.35		22.35	0.000000	0.02	8681.37	1039.64	0.00
Hempstead Lake	7172.57*	Max WS	141.59	11.90	22.35		22.35	0.000000	0.02	8733.28	1040.51	0.00
Hempstead Lake	7158.83*	Max WS	141.59	11.86	22.35		22.35	0.000000	0.02	8783.80	1041.31	0.00
Hempstead Lake	7145.08*	Max WS	141.58	11.82	22.35		22.35	0.000000	0.02	8837.26	1042.13	0.00
Hempstead Lake	7131.33*	Max WS	141.58	11.79	22.35		22.35	0.000000	0.02	8888.93	1042.94	0.00
Hempstead Lake	7117.58*	Max WS	141.59	11.75	22.35		22.35	0.000000	0.02	8943.38	1043.76	0.00
Hempstead Lake	7103.83*	Max WS	141.59	11.71	22.35		22.35	0.000000	0.02	8996.08	1044.54	0.00
Hempstead Lake	7090.08*	Max WS	141.58	11.68	22.35		22.35	0.000000	0.02	9047.76	1046.30	0.00
Hempstead Lake	7076.34*	Max WS	141.58	11.64	22.35		22.35	0.000000	0.02	9103.36	1048.17	0.00
Hempstead Lake	7062.59*	Max WS	141.58	11.60	22.35		22.35	0.000000	0.02	9156.13	1049.87	0.00
Hempstead Lake	7048.84*	Max WS	141.57	11.57	22.35		22.35	0.000000	0.02	9210.42	1051.64	0.00
Hempstead Lake	7035.09*	Max WS	141.60	11.53	22.35		22.35	0.000000	0.02	9265.92	1053.50	0.00
Hempstead Lake	7021.34*	Max WS	141.58	11.49	22.35		22.35	0.000000	0.02	9319.92	1055.24	0.00
Hempstead Lake	7007.6*	Max WS	141.57	11.46	22.35		22.35	0.000000	0.02	9376.39	1056.97	0.00
Hempstead Lake	6993.85*	Max WS	141.57	11.42	22.35		22.35	0.000000	0.02	9430.52	1058.80	0.00
Hempstead Lake	6980.10*	Max WS	141.58	11.38	22.35		22.35	0.000000	0.01	9488.26	1060.55	0.00
Hempstead Lake	6966.35*	Max WS	141.58	11.35	22.35		22.35	0.000000	0.01	9545.49	1062.27	0.00
Hempstead Lake	6952.60*	Max WS	141.57	11.31	22.35		22.35	0.000000	0.01	9601.55	1064.07	0.00
Hempstead Lake	6938.85*	Max WS	141.58	11.27	22.35		22.35	0.000000	0.01	9659.16	1065.78	0.00
Hempstead Lake	6925.11*	Max WS	141.59	11.23	22.35		22.35	0.000000	0.01	9716.50	1067.50	0.00
Hempstead Lake	6911.36*	Max WS	141.59	11.20	22.35		22.35	0.000000	0.01	9774.99	1069.31	0.00
Hempstead Lake	6897.61*	Max WS	141.58	11.16	22.35		22.35	0.000000	0.01	9833.29	1070.98	0.00
Hempstead Lake	6883.86*	Max WS	141.59	11.12	22.35		22.35	0.000000	0.01	9891.93	1072.68	0.00
Hempstead Lake	6870.11*	Max WS	141.57	11.09	22.35		22.35	0.000000	0.01	9949.85	1074.45	0.00
Hempstead Lake	6856.36*	Max WS	141.58	11.05	22.35		22.35	0.000000	0.01	10009.73	1076.11	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6842.62*	Max WS	141.59	11.01	22.35		22.35	0.000000	0.01	10069.10	1077.76	0.00
Hempstead Lake	6828.87*	Max WS	141.58	10.98	22.35		22.35	0.000000	0.01	10128.04	1079.52	0.00
Hempstead Lake	6815.12*	Max WS	141.58	10.94	22.35		22.35	0.000000	0.01	10188.53	1081.17	0.00
Hempstead Lake	6801.37*	Max WS	141.56	10.90	22.35		22.35	0.000000	0.01	10249.46	1082.80	0.00
Hempstead Lake	6787.62*	Max WS	141.58	10.87	22.35		22.35	0.000000	0.01	10310.12	1084.53	0.00
Hempstead Lake	6773.87*	Max WS	141.57	10.83	22.35		22.35	0.000000	0.01	10370.75	1086.14	0.00
Hempstead Lake	6760.13*	Max WS	141.57	10.79	22.35		22.35	0.000000	0.01	10432.51	1087.77	0.00
Hempstead Lake	6746.38*	Max WS	141.58	10.76	22.35		22.35	0.000000	0.01	10492.58	1089.41	0.00
Hempstead Lake	6732.634	Max WS	141.57	10.72	22.35		22.35	0.000000	0.01	10554.89	1091.02	0.00
Hempstead Lake	6718.98*	Max WS	141.57	10.73	22.35		22.35	0.000000	0.01	10399.98	1088.46	0.00
Hempstead Lake	6705.33*	Max WS	141.57	10.74	22.35		22.35	0.000000	0.01	10245.90	1086.08	0.00
Hempstead Lake	6691.68*	Max WS	141.56	10.75	22.35		22.35	0.000000	0.01	10092.17	1083.79	0.00
Hempstead Lake	6678.03*	Max WS	141.57	10.76	22.35		22.35	0.000000	0.01	9940.13	1081.69	0.00
Hempstead Lake	6664.38*	Max WS	141.57	10.77	22.35		22.35	0.000000	0.01	9788.00	1079.64	0.00
Hempstead Lake	6650.72*	Max WS	141.55	10.78	22.35		22.35	0.000000	0.01	9636.64	1077.64	0.00
Hempstead Lake	6637.07*	Max WS	141.55	10.79	22.35		22.35	0.000000	0.01	9487.12	1075.68	0.00
Hempstead Lake	6623.42*	Max WS	141.55	10.80	22.35		22.35	0.000000	0.02	9336.84	1073.74	0.00
Hempstead Lake	6609.77*	Max WS	141.58	10.81	22.35		22.35	0.000000	0.02	9188.29	1071.82	0.00
Hempstead Lake	6596.12*	Max WS	141.57	10.82	22.35		22.35	0.000000	0.02	9039.02	1069.94	0.00
Hempstead Lake	6582.47*	Max WS	141.57	10.83	22.35		22.35	0.000000	0.02	8891.50	1067.92	0.00
Hempstead Lake	6568.82*	Max WS	141.57	10.84	22.35		22.35	0.000000	0.02	8745.84	1065.64	0.00
Hempstead Lake	6555.17*	Max WS	141.57	10.85	22.35		22.35	0.000000	0.02	8598.79	1063.19	0.00
Hempstead Lake	6541.52*	Max WS	141.56	10.86	22.35		22.35	0.000000	0.02	8455.16	1060.68	0.00
Hempstead Lake	6527.87*	Max WS	141.56	10.87	22.35		22.35	0.000000	0.02	8310.33	1058.13	0.00
Hempstead Lake	6514.22*	Max WS	141.56	10.88	22.35		22.35	0.000000	0.02	8165.36	1055.54	0.00
Hempstead Lake	6500.57*	Max WS	141.55	10.89	22.35		22.35	0.000000	0.02	8023.31	1052.76	0.00
Hempstead Lake	6486.91*	Max WS	141.55	10.91	22.35		22.35	0.000000	0.02	7880.65	1049.86	0.00
Hempstead Lake	6473.26*	Max WS	141.57	10.92	22.35		22.35	0.000000	0.02	7739.54	1046.83	0.00
Hempstead Lake	6459.61*	Max WS	141.56	10.93	22.35		22.35	0.000000	0.02	7599.99	1043.54	0.00
Hempstead Lake	6445.96*	Max WS	141.56	10.94	22.35		22.35	0.000000	0.02	7461.32	1031.15	0.00
Hempstead Lake	6432.31*	Max WS	141.56	10.95	22.35		22.35	0.000000	0.02	7327.98	1015.18	0.00
Hempstead Lake	6418.66*	Max WS	141.55	10.96	22.35		22.35	0.000000	0.02	7195.83	1002.23	0.00
Hempstead Lake	6405.01*	Max WS	141.56	10.97	22.35		22.35	0.000000	0.02	7067.63	993.67	0.00
Hempstead Lake	6391.36*	Max WS	141.56	10.98	22.35		22.35	0.000000	0.02	6944.03	984.73	0.00
Hempstead Lake	6377.71*	Max WS	141.56	10.99	22.35		22.35	0.000000	0.02	6819.38	975.27	0.00
Hempstead Lake	6364.06*	Max WS	141.55	11.00	22.35		22.35	0.000000	0.02	6700.08	965.71	0.00
Hempstead Lake	6350.41*	Max WS	141.55	11.01	22.35		22.35	0.000000	0.02	6581.49	955.96	0.00
Hempstead Lake	6336.76*	Max WS	141.56	11.02	22.35		22.35	0.000000	0.02	6466.18	945.74	0.00
Hempstead Lake	6323.11*	Max WS	141.56	11.03	22.35		22.35	0.000000	0.02	6354.74	934.98	0.00
Hempstead Lake	6309.45*	Max WS	141.55	11.04	22.35		22.35	0.000000	0.02	6243.12	923.52	0.00
Hempstead Lake	6295.80*	Max WS	141.55	11.05	22.35		22.35	0.000000	0.02	6136.01	911.39	0.00
Hempstead Lake	6282.15*	Max WS	141.56	11.06	22.35		22.35	0.000000	0.02	6034.04	898.40	0.00
Hempstead Lake	6268.507	Max WS	141.56	11.07	22.35		22.35	0.000000	0.02	5933.39	884.50	0.00
Hempstead Lake	6259.72*	Max WS	141.55	11.10	22.35		22.35	0.000000	0.02	6580.01	901.56	0.00
Hempstead Lake	6250.93*	Max WS	141.55	11.14	22.35		22.35	0.000000	0.02	7283.72	905.79	0.00
Hempstead Lake	6242.14*	Max WS	141.55	11.17	22.35		22.35	0.000000	0.02	8048.24	924.04	0.00
Hempstead Lake	6233.35*	Max WS	141.56	11.21	22.35		22.35	0.000000	0.02	8814.42	966.46	0.00
Hempstead Lake	6224.57*	Max WS	141.55	11.24	22.35		22.35	0.000000	0.01	9573.22	1009.92	0.00
Hempstead Lake	6215.78*	Max WS	141.55	11.27	22.35		22.35	0.000000	0.01	10322.34	1053.52	0.00
Hempstead Lake	6206.99*	Max WS	141.55	11.31	22.35		22.35	0.000000	0.01	11056.52	1097.17	0.00
Hempstead Lake	6198.21*	Max WS	141.55	11.34	22.35		22.35	0.000000	0.01	11774.97	1140.61	0.00
Hempstead Lake	6189.42*	Max WS	141.55	11.38	22.35		22.35	0.000000	0.01	12482.23	1183.95	0.00
Hempstead Lake	6180.638	Max WS	141.55	11.41	22.35		22.35	0.000000	0.01	13172.34	1227.09	0.00
Hempstead Lake	6177.638	Max WS	141.55	11.00	22.35	11.07	22.35	0.000000	0.01	13659.43	1225.90	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	141.55	10.80	14.96		15.14	0.000396	3.41	41.57	10.00	0.29
Hempstead Lake	5930.638	Max WS	141.55	10.80	14.93		15.12	0.000402	3.42	41.35	10.00	0.30
Hempstead Lake	5880.638	Max WS	141.55	10.80	14.91		15.10	0.000408	3.44	41.13	10.00	0.30
Hempstead Lake	5830.638	Max WS	141.55	10.80	14.89		15.08	0.000414	3.46	40.90	10.00	0.30
Hempstead Lake	5780.638	Max WS	141.55	10.80	14.87		15.06	0.000420	3.48	40.67	10.00	0.30
Hempstead Lake	5730.638	Max WS	141.55	10.80	14.84		15.03	0.000427	3.50	40.44	10.00	0.31
Hempstead Lake	5680.638	Max WS	141.55	10.80	14.82		15.01	0.000434	3.52	40.20	10.00	0.31
Hempstead Lake	5630.638	Max WS	141.55	10.80	14.80		14.99	0.000441	3.54	39.96	10.00	0.31
Hempstead Lake	5580.638	Max WS	141.55	10.80	14.77		14.97	0.000449	3.56	39.71	10.00	0.32
Hempstead Lake	5530.638	Max WS	141.55	10.80	14.75		14.95	0.000457	3.59	39.46	10.00	0.32
Hempstead Lake	5480.638	Max WS	141.55	10.80	14.72		14.92	0.000465	3.61	39.20	10.00	0.32
Hempstead Lake	5430.638	Max WS	141.55	8.00	14.79		14.84	0.002080	1.90	74.68	11.00	0.13
Hempstead Lake	5380.638	Max WS	141.55	8.00	14.73		14.78	0.000341	1.91	74.00	11.00	0.13
Hempstead Lake	5330.638	Max WS	141.55	8.00	14.66		14.72	0.002183	1.93	73.30	11.00	0.13
Hempstead Lake	5307.48*	Max WS	141.55	7.93	14.59		14.66	0.002837	2.12	66.63	10.00	0.15
Hempstead Lake	5284.32*	Max WS	141.54	7.87	14.50		14.59	0.003852	2.37	59.66	9.00	0.16
Hempstead Lake	5261.17*	Max WS	141.53	7.80	14.36		14.48	0.005495	2.69	52.52	8.00	0.19
Hempstead Lake	5238.01*	Max WS	141.38	7.73	14.16		14.32	0.008431	3.14	45.03	7.00	0.22
Hempstead Lake	5214.85*	Max WS	141.22	7.67	13.98		14.02	0.017133	1.67	84.56	151.89	0.39
Hempstead Lake	5191.70*	Max WS	141.15	7.60	13.81		13.82	0.000920	0.64	221.13	192.17	0.10
Hempstead Lake	5168.54*	Max WS	141.15	7.54	13.80		13.80	0.000143	0.31	462.02	308.35	0.04
Hempstead Lake	5145.39*	Max WS	141.15	7.47	13.80		13.80	0.000032	0.19	736.98	325.76	0.02
Hempstead Lake	5122.23*	Max WS	141.15	7.40	13.80		13.80	0.000011	0.14	1019.89	337.92	0.01
Hempstead Lake	5099.07*	Max WS	141.15	7.34	13.80		13.80	0.000005	0.11	1305.58	344.30	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	5075.922	Max WS	141.15	7.27	13.80		13.80	0.000000	0.09	1590.90	348.92	0.01
Hempstead Lake	5055.96*	Max WS	141.15	7.23	13.80		13.80	0.000002	0.09	1576.23	353.91	0.01
Hempstead Lake	5036.01*	Max WS	141.15	7.20	13.80		13.80	0.000002	0.09	1581.74	372.29	0.01
Hempstead Lake	5016.05*	Max WS	141.15	7.16	13.80		13.80	0.000001	0.09	1628.25	408.37	0.01
Hempstead Lake	4996.10*	Max WS	141.15	7.12	13.80		13.80	0.000001	0.08	1780.57	545.87	0.01
Hempstead Lake	4976.14*	Max WS	141.15	7.09	13.80		13.80	0.000000	0.07	2110.25	571.89	0.01
Hempstead Lake	4956.192	Max WS	141.15	7.05	13.80		13.80	0.000000	0.06	2468.66	575.61	0.00
Hempstead Lake	4936.44*	Max WS	141.15	7.02	13.80		13.80	0.000000	0.05	2614.93	592.11	0.00
Hempstead Lake	4916.69*	Max WS	141.14	6.98	13.80		13.80	0.000000	0.05	2780.99	611.53	0.00
Hempstead Lake	4896.94*	Max WS	141.15	6.95	13.80		13.80	0.000000	0.05	2992.62	665.46	0.00
Hempstead Lake	4877.19*	Max WS	141.14	6.91	13.80		13.80	0.000000	0.04	3264.81	701.89	0.00
Hempstead Lake	4857.44*	Max WS	141.14	6.88	13.80		13.80	0.000000	0.04	3587.84	749.64	0.00
Hempstead Lake	4837.697	Max WS	141.14	6.84	13.80		13.80	0.000000	0.04	3956.42	787.53	0.00
Hempstead Lake	4817.64*	Max WS	151.19	6.81	13.80		13.80	0.000000	0.04	4024.26	784.55	0.00
Hempstead Lake	4797.59*	Max WS	151.21	6.77	13.80		13.80	0.000000	0.04	4092.59	782.02	0.00
Hempstead Lake	4777.53*	Max WS	151.18	6.67	13.80		13.80	0.000000	0.04	4161.91	780.05	0.00
Hempstead Lake	4757.48*	Max WS	151.19	6.58	13.80		13.80	0.000000	0.04	4230.51	778.23	0.00
Hempstead Lake	4737.42*	Max WS	151.18	6.49	13.80		13.80	0.000000	0.04	4299.91	778.45	0.00
Hempstead Lake	4717.37*	Max WS	151.18	6.40	13.80		13.80	0.000000	0.03	4369.12	779.42	0.00
Hempstead Lake	4697.32*	Max WS	151.19	6.30	13.80		13.80	0.000000	0.03	4441.50	781.08	0.00
Hempstead Lake	4677.26*	Max WS	151.19	6.21	13.80		13.80	0.000000	0.03	4514.20	783.46	0.00
Hempstead Lake	4657.21*	Max WS	151.20	6.12	13.80		13.80	0.000000	0.03	4589.05	786.62	0.00
Hempstead Lake	4637.16*	Max WS	151.18	6.02	13.80		13.80	0.000000	0.03	4665.90	790.72	0.00
Hempstead Lake	4617.10*	Max WS	151.19	5.91	13.80		13.80	0.000000	0.03	4745.71	794.75	0.00
Hempstead Lake	4597.05*	Max WS	151.19	5.76	13.80		13.80	0.000000	0.03	4826.05	796.19	0.00
Hempstead Lake	4577.*	Max WS	151.19	5.60	13.80		13.80	0.000000	0.03	4909.32	797.65	0.00
Hempstead Lake	4556.94*	Max WS	151.17	5.45	13.80		13.80	0.000000	0.03	4994.04	798.74	0.00
Hempstead Lake	4536.893	Max WS	151.18	5.30	13.80		13.80	0.000000	0.03	5079.69	799.61	0.00
Hempstead Lake	4516.70*	Max WS	153.19	5.16	13.80		13.80	0.000000	0.03	5125.65	798.83	0.00
Hempstead Lake	4496.51*	Max WS	153.18	5.02	13.80		13.80	0.000000	0.03	5177.09	798.85	0.00
Hempstead Lake	4476.32*	Max WS	153.19	4.88	13.80		13.80	0.000000	0.03	5234.53	799.94	0.00
Hempstead Lake	4456.14*	Max WS	153.19	4.74	13.80		13.80	0.000000	0.03	5296.88	802.09	0.00
Hempstead Lake	4435.95*	Max WS	153.19	4.60	13.80		13.80	0.000000	0.03	5367.49	805.65	0.00
Hempstead Lake	4415.76*	Max WS	153.17	4.46	13.80		13.80	0.000000	0.03	5447.81	812.88	0.00
Hempstead Lake	4395.57*	Max WS	153.17	4.32	13.80		13.80	0.000000	0.03	5536.88	817.72	0.00
Hempstead Lake	4375.38*	Max WS	153.18	4.18	13.80		13.80	0.000000	0.03	5633.66	821.85	0.00
Hempstead Lake	4355.20*	Max WS	153.17	4.04	13.80		13.80	0.000000	0.03	5737.84	823.17	0.00
Hempstead Lake	4335.01*	Max WS	153.17	3.90	13.80		13.80	0.000000	0.03	5847.53	823.92	0.00
Hempstead Lake	4314.82*	Max WS	153.17	3.76	13.80		13.80	0.000000	0.03	5963.90	824.61	0.00
Hempstead Lake	4294.63*	Max WS	153.18	3.62	13.80		13.80	0.000000	0.03	6085.01	824.92	0.00
Hempstead Lake	4274.44*	Max WS	153.18	3.48	13.80		13.80	0.000000	0.02	6210.81	824.83	0.00
Hempstead Lake	4254.26*	Max WS	153.18	3.34	13.80		13.80	0.000000	0.02	6342.66	824.64	0.00
Hempstead Lake	4234.07*	Max WS	153.18	3.20	13.80		13.80	0.000000	0.02	6480.02	824.31	0.00
Hempstead Lake	4213.88*	Max WS	153.17	3.06	13.80		13.80	0.000000	0.02	6623.02	823.84	0.00
Hempstead Lake	4193.69*	Max WS	153.18	2.92	13.80		13.80	0.000000	0.02	6769.95	823.27	0.00
Hempstead Lake	4173.50*	Max WS	153.18	2.78	13.80		13.80	0.000000	0.02	6922.94	822.57	0.00
Hempstead Lake	4153.320	Max WS	153.17	2.64	13.80		13.80	0.000000	0.02	7080.45	821.82	0.00
Hempstead Lake	4131.85*	Max WS	155.18	2.69	13.80		13.80	0.000000	0.02	7016.15	819.73	0.00
Hempstead Lake	4110.38*	Max WS	155.17	2.75	13.80		13.80	0.000000	0.02	6956.23	817.23	0.00
Hempstead Lake	4088.91*	Max WS	155.17	2.80	13.80		13.80	0.000000	0.02	6904.98	814.22	0.00
Hempstead Lake	4067.44*	Max WS	155.18	2.86	13.80		13.80	0.000000	0.02	6857.37	810.04	0.00
Hempstead Lake	4045.97*	Max WS	155.17	2.91	13.80		13.80	0.000000	0.02	6819.84	805.00	0.00
Hempstead Lake	4024.50*	Max WS	155.17	2.97	13.80		13.80	0.000000	0.02	6787.01	799.89	0.00
Hempstead Lake	4003.034	Max WS	155.17	3.02	13.80		13.80	0.000000	0.02	6764.10	794.61	0.00
Hempstead Lake	4002		Lat Struct									
Hempstead Lake	3984.01*	Max WS	155.17	3.78	13.80		13.80	0.000000	0.03	5831.73	777.60	0.00
Hempstead Lake	3964.99*	Max WS	155.17	4.54	13.80		13.80	0.000000	0.03	4920.98	760.00	0.00
Hempstead Lake	3945.97*	Max WS	155.17	5.30	13.80		13.80	0.000000	0.04	4031.03	739.94	0.00
Hempstead Lake	3926.95*	Max WS	155.17	6.06	13.80		13.80	0.000001	0.05	3165.84	717.87	0.00
Hempstead Lake	3907.93*	Max WS	155.17	6.82	13.80		13.80	0.000002	0.07	2323.92	696.56	0.01
Hempstead Lake	3888.916	Max WS	157.17	7.58	13.80		13.80	0.000001	0.13	1182.98	667.57	0.01
Hempstead Lake	3883.916	Max WS	157.17	7.20	13.80	8.01	13.80	0.000001	0.16	966.11	665.26	0.01
Hempstead Lake	3873.916		Int Struct									
Hempstead Lake	3863.916	Max WS	157.16	7.19	9.86		9.99	0.001883	2.89	54.46	152.72	0.41
Hempstead Lake	3858.916	Max WS	157.16	7.17	9.93		9.94	0.000123	0.70	225.84	157.79	0.10
Hempstead Lake	3826.579	Max WS	157.16	6.10	9.88		9.94	0.000525	2.01	78.27	31.52	0.22
Hempstead Lake	3821.579	Max WS	157.16	6.02	9.75		9.95	0.000946	3.60	43.63	25.97	0.33
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	129.92	5.94	9.66		9.74	0.000414	2.22	58.57	23.22	0.21
Hempstead Lake	3736.579	Max WS	130.02	5.88	9.68		9.73	0.000408	1.89	68.82	24.25	0.20
Hempstead Lake	3699.46*	Max WS	129.95	5.83	9.66		9.72	0.000459	1.85	70.19	26.94	0.20
Hempstead Lake	3662.35*	Max WS	129.90	5.78	9.65		9.70	0.000535	1.80	72.15	29.77	0.20
Hempstead Lake	3625.24*	Max WS	129.79	5.74	9.63		9.68	0.000581	1.74	74.52	32.98	0.20
Hempstead Lake	3588.13*	Max WS	129.72	5.69	9.61		9.66	0.000666	1.67	77.90	37.60	0.20
Hempstead Lake	3551.028	Max WS	129.72	5.64	9.61		9.63	0.000595	1.18	109.76	110.84	0.21
Hempstead Lake	3531.67*	Max WS	129.64	5.61	9.59		9.61	0.001275	1.19	108.94	104.90	0.21
Hempstead Lake	3512.33*	Max WS	129.52	5.58	9.57		9.59	0.001113	1.19	108.40	100.22	0.20
Hempstead Lake	3492.98*	Max WS	129.44	5.55	9.55		9.57	0.000965	1.20	108.20	96.31	0.20
Hempstead Lake	3473.63*	Max WS	129.38	5.52	9.53		9.55	0.000829	1.19	108.60	93.48	0.19

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3454.28*	Max WS	129.32	5.49	9.52		9.54	0.000706	1.18	109.30	91.19	0.19
Hempstead Lake	3434.93*	Max WS	129.26	5.46	9.50		9.53	0.000562	1.17	110.48	89.68	0.19
Hempstead Lake	3415.58*	Max WS	129.19	5.43	9.50		9.52	0.000469	1.16	111.71	88.18	0.18
Hempstead Lake	3396.239	Max WS	129.16	5.40	9.49		9.51	0.000388	1.14	113.34	87.35	0.18
Hempstead Lake	3376.88*	Max WS	129.13	5.37	9.48		9.50	0.000401	1.12	114.90	88.32	0.17
Hempstead Lake	3357.52*	Max WS	129.06	5.34	9.47		9.49	0.000417	1.11	116.13	89.12	0.17
Hempstead Lake	3338.16*	Max WS	129.06	5.32	9.47		9.48	0.000432	1.10	117.47	90.03	0.17
Hempstead Lake	3318.80*	Max WS	129.02	5.29	9.46		9.48	0.000445	1.08	119.06	91.11	0.17
Hempstead Lake	3299.44*	Max WS	128.95	5.26	9.45		9.47	0.000458	1.07	120.38	91.70	0.16
Hempstead Lake	3280.08*	Max WS	128.91	5.23	9.44		9.46	0.000473	1.06	121.66	92.48	0.16
Hempstead Lake	3260.73*	Max WS	128.84	5.21	9.43		9.45	0.000488	1.05	122.88	93.24	0.16
Hempstead Lake	3241.37*	Max WS	128.80	5.18	9.42		9.44	0.000475	1.04	124.27	93.99	0.16
Hempstead Lake	3222.01*	Max WS	128.72	5.15	9.41		9.43	0.000487	1.02	125.67	94.73	0.16
Hempstead Lake	3202.65*	Max WS	128.68	5.12	9.40		9.42	0.000499	1.01	127.01	95.43	0.15
Hempstead Lake	3183.29*	Max WS	128.60	5.10	9.40		9.41	0.000515	1.00	127.99	96.02	0.15
Hempstead Lake	3163.93*	Max WS	128.55	5.07	9.39		9.40	0.000528	0.99	129.29	96.63	0.15
Hempstead Lake	3144.581	Max WS	128.47	5.04	9.38		9.39	0.000274	0.98	130.76	97.31	0.15
Hempstead Lake	3124.73*	Max WS	128.46	5.01	9.37		9.39	0.000304	0.97	132.31	98.45	0.15
Hempstead Lake	3104.89*	Max WS	128.37	4.98	9.37		9.38	0.000295	0.96	133.98	99.54	0.15
Hempstead Lake	3085.04*	Max WS	128.37	4.95	9.36		9.38	0.000284	0.94	136.02	100.78	0.14
Hempstead Lake	3065.2*	Max WS	128.33	4.92	9.36		9.37	0.000274	0.93	138.06	101.87	0.14
Hempstead Lake	3045.35*	Max WS	128.28	4.88	9.35		9.37	0.000247	0.91	140.40	103.06	0.14
Hempstead Lake	3025.51*	Max WS	128.23	4.85	9.35		9.36	0.000235	0.90	143.09	104.21	0.13
Hempstead Lake	3005.66*	Max WS	128.17	4.82	9.34		9.36	0.000223	0.88	145.97	105.44	0.13
Hempstead Lake	2985.81*	Max WS	128.17	4.79	9.34		9.35	0.000200	0.86	148.72	106.56	0.13
Hempstead Lake	2965.974	Max WS	128.12	4.76	9.34		9.35	0.000190	0.85	151.59	107.54	0.13
Hempstead Lake	2951.87*	Max WS	128.07	4.74	9.33		9.34	0.000222	0.85	149.86	107.93	0.13
Hempstead Lake	2937.77*	Max WS	128.07	4.72	9.33		9.34	0.000234	0.86	148.35	108.36	0.13
Hempstead Lake	2923.67*	Max WS	128.01	4.70	9.33		9.34	0.000245	0.87	146.72	108.74	0.13
Hempstead Lake	2909.57*	Max WS	127.95	4.68	9.32		9.33	0.000255	0.88	145.07	109.04	0.13
Hempstead Lake	2895.47*	Max WS	127.95	4.66	9.32		9.33	0.000266	0.89	143.18	109.04	0.14
Hempstead Lake	2881.37*	Max WS	127.89	4.64	9.31		9.33	0.000278	0.91	141.21	109.06	0.14
Hempstead Lake	2867.27*	Max WS	127.83	4.62	9.31		9.32	0.000291	0.91	139.71	109.30	0.14
Hempstead Lake	2853.17*	Max WS	127.77	4.61	9.31		9.32	0.000301	0.93	137.86	109.23	0.15
Hempstead Lake	2839.07*	Max WS	127.71	4.59	9.30		9.31	0.000311	0.94	136.02	108.82	0.15
Hempstead Lake	2824.98*	Max WS	127.65	4.57	9.30		9.31	0.000320	0.95	134.25	108.62	0.15
Hempstead Lake	2810.88*	Max WS	127.59	4.55	9.29		9.31	0.000330	0.97	132.12	107.96	0.15
Hempstead Lake	2796.78*	Max WS	127.52	4.53	9.29		9.30	0.000342	0.98	130.54	107.44	0.16
Hempstead Lake	2782.68*	Max WS	127.46	4.51	9.28		9.30	0.000349	0.99	128.76	106.80	0.16
Hempstead Lake	2768.58*	Max WS	127.39	4.49	9.28		9.29	0.000353	1.00	127.15	105.85	0.16
Hempstead Lake	2754.48*	Max WS	127.33	4.47	9.27		9.29	0.000354	1.01	125.60	104.53	0.16
Hempstead Lake	2740.38*	Max WS	127.26	4.45	9.26		9.28	0.000356	1.03	123.92	103.15	0.17
Hempstead Lake	2726.28*	Max WS	127.19	4.43	9.26		9.28	0.000365	1.04	122.50	101.95	0.17
Hempstead Lake	2712.18*	Max WS	127.12	4.41	9.25		9.27	0.000362	1.05	121.25	100.07	0.17
Hempstead Lake	2698.08*	Max WS	127.05	4.39	9.25		9.27	0.000356	1.06	120.10	97.80	0.17
Hempstead Lake	2683.98*	Max WS	126.98	4.37	9.24		9.26	0.000347	1.06	119.25	95.29	0.17
Hempstead Lake	2669.88*	Max WS	126.91	4.35	9.24		9.26	0.000328	1.07	118.72	92.64	0.17
Hempstead Lake	2655.78*	Max WS	126.83	4.34	9.23		9.25	0.000327	1.08	117.79	93.33	0.17
Hempstead Lake	2641.68*	Max WS	126.76	4.32	9.23		9.25	0.000308	1.08	117.35	94.20	0.17
Hempstead Lake	2627.58*	Max WS	126.69	4.30	9.22		9.24	0.000290	1.08	116.99	95.43	0.17
Hempstead Lake	2613.48*	Max WS	126.61	4.28	9.22		9.24	0.000275	1.09	116.54	96.94	0.17
Hempstead Lake	2599.38*	Max WS	126.53	4.26	9.22		9.24	0.000259	1.09	116.22	98.50	0.18
Hempstead Lake	2585.29*	Max WS	126.46	4.24	9.21		9.23	0.000257	1.09	115.52	99.91	0.18
Hempstead Lake	2571.19*	Max WS	126.38	4.22	9.21		9.23	0.000240	1.10	115.11	101.81	0.18
Hempstead Lake	2557.091	Max WS	126.30	4.20	9.20		9.22	0.000268	1.22	103.16	103.26	0.18
Hempstead Lake	2552.091	Max WS	125.66	4.09	9.16		9.22	0.000383	1.97	63.65	14.52	0.17
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	124.08	4.09	9.09		9.14	0.000327	1.84	67.62	16.16	0.16
Hempstead Lake	2487.091	Max WS	124.67	4.60	9.12		9.14	0.000175	0.94	132.28	150.16	0.17
Hempstead Lake	2477.12*	Max WS	124.67	4.58	9.12		9.13	0.000181	0.92	135.96	148.32	0.16
Hempstead Lake	2467.14*	Max WS	124.58	4.57	9.12		9.13	0.000218	0.89	139.61	146.47	0.16
Hempstead Lake	2457.17*	Max WS	124.58	4.55	9.12		9.13	0.000276	0.88	141.80	144.61	0.15
Hempstead Lake	2447.20*	Max WS	124.50	4.53	9.12		9.13	0.000348	0.87	143.90	142.78	0.15
Hempstead Lake	2437.23*	Max WS	124.41	4.51	9.11		9.12	0.001275	0.86	145.47	140.92	0.15
Hempstead Lake	2427.26*	Max WS	124.14	4.50	9.10		9.11	0.001231	0.86	145.05	138.64	0.15
Hempstead Lake	2417.29*	Max WS	123.87	4.48	9.08		9.09	0.001174	0.85	145.17	136.41	0.15
Hempstead Lake	2407.32*	Max WS	123.69	4.46	9.08		9.09	0.000554	0.85	146.18	134.79	0.14
Hempstead Lake	2397.35*	Max WS	123.59	4.44	9.07		9.08	0.000523	0.84	146.56	133.04	0.14
Hempstead Lake	2387.37*	Max WS	123.50	4.43	9.07		9.08	0.000471	0.84	147.73	131.38	0.14
Hempstead Lake	2377.40*	Max WS	123.40	4.41	9.06		9.07	0.000419	0.83	148.54	130.18	0.14
Hempstead Lake	2367.43*	Max WS	123.30	4.39	9.06		9.07	0.000387	0.83	148.84	128.86	0.14
Hempstead Lake	2357.46*	Max WS	123.20	4.37	9.05		9.06	0.000344	0.82	149.88	127.92	0.13
Hempstead Lake	2347.49*	Max WS	123.20	4.36	9.05		9.06	0.000307	0.82	150.74	127.50	0.13
Hempstead Lake	2337.52*	Max WS	123.10	4.34	9.05		9.06	0.000306	0.81	151.27	127.14	0.13
Hempstead Lake	2327.55*	Max WS	123.00	4.32	9.04		9.05	0.000310	0.81	152.42	127.13	0.13
Hempstead Lake	2317.58*	Max WS	122.89	4.30	9.04		9.05	0.000311	0.80	153.92	128.47	0.13
Hempstead Lake	2307.60*	Max WS	122.89	4.29	9.04		9.05	0.000297	0.79	155.46	130.48	0.13
Hempstead Lake	2297.63*	Max WS	122.79	4.27	9.04		9.05	0.000262	0.78	158.30	134.42	0.13
Hempstead Lake	2287.66*	Max WS	122.79	4.25	9.03		9.04	0.000214	0.76	162.21	139.82	0.12

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2277.69*	Max WS	122.68	4.23	9.03		9.04	0.000166	0.73	168.35	145.31	0.12
Hempstead Lake	2267.72*	Max WS	122.68	4.22	9.03		9.04	0.000130	0.69	176.78	153.14	0.11
Hempstead Lake	2257.752	Max WS	122.68	4.20	9.03		9.04	0.000107	0.66	187.29	168.48	0.10
Hempstead Lake	2252.75*	Max WS	122.45	4.10	9.03		9.04	0.000671	0.84	146.21	156.90	0.12
Hempstead Lake	2247.752	Max WS	122.11	4.00	9.01		9.03	0.000121	1.25	97.99	148.19	0.11
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	120.36	3.80	8.94		8.95	0.000061	0.77	156.42	52.46	0.08
Hempstead Lake	2192.75*	Max WS	120.60	3.75	8.95		8.95	0.000041	0.53	227.22	87.48	0.06
Hempstead Lake	2187.752	Max WS	120.48	3.70	8.95		8.95	0.000035	0.53	237.67	162.81	0.06
Hempstead Lake	2178.63*	Max WS	120.48	3.72	8.95		8.95	0.000036	0.54	221.76	96.50	0.06
Hempstead Lake	2169.52*	Max WS	120.48	3.74	8.95		8.95	0.000037	0.55	217.83	82.88	0.06
Hempstead Lake	2160.40*	Max WS	120.48	3.76	8.95		8.95	0.000038	0.56	214.37	81.10	0.06
Hempstead Lake	2151.29*	Max WS	120.48	3.78	8.95		8.95	0.000039	0.57	210.61	79.50	0.06
Hempstead Lake	2142.17*	Max WS	120.48	3.80	8.95		8.95	0.000040	0.58	207.09	78.10	0.06
Hempstead Lake	2133.05*	Max WS	120.48	3.82	8.94		8.95	0.000042	0.59	203.04	76.75	0.06
Hempstead Lake	2123.94*	Max WS	120.36	3.83	8.94		8.95	0.000043	0.60	199.21	75.53	0.07
Hempstead Lake	2114.82*	Max WS	120.36	3.85	8.94		8.95	0.000045	0.62	194.82	74.40	0.07
Hempstead Lake	2105.71*	Max WS	120.35	3.87	8.94		8.95	0.000048	0.63	190.66	73.32	0.07
Hempstead Lake	2096.59*	Max WS	120.35	3.89	8.94		8.95	0.000049	0.65	186.20	71.13	0.07
Hempstead Lake	2087.48*	Max WS	120.35	3.91	8.94		8.95	0.000051	0.66	182.37	69.14	0.07
Hempstead Lake	2078.36*	Max WS	120.35	3.93	8.94		8.95	0.000053	0.67	178.44	67.26	0.07
Hempstead Lake	2069.25*	Max WS	120.23	3.95	8.94		8.95	0.000055	0.69	175.08	65.59	0.07
Hempstead Lake	2060.13*	Max WS	120.23	3.97	8.94		8.95	0.000057	0.70	171.49	63.95	0.08
Hempstead Lake	2051.01*	Max WS	120.23	3.99	8.94		8.95	0.000059	0.71	168.34	62.46	0.08
Hempstead Lake	2041.90*	Max WS	120.23	4.01	8.94		8.95	0.000061	0.73	164.97	60.97	0.08
Hempstead Lake	2032.78*	Max WS	120.10	4.03	8.94		8.94	0.000063	0.74	162.01	59.63	0.08
Hempstead Lake	2023.67*	Max WS	120.10	4.05	8.94		8.94	0.000065	0.76	158.91	58.32	0.08
Hempstead Lake	2014.55*	Max WS	120.10	4.07	8.93		8.94	0.000067	0.77	156.10	57.12	0.08
Hempstead Lake	2005.44*	Max WS	120.10	4.08	8.93		8.94	0.000070	0.78	153.08	55.89	0.08
Hempstead Lake	1996.32*	Max WS	119.97	4.10	8.93		8.94	0.000072	0.80	150.43	54.79	0.08
Hempstead Lake	1987.20*	Max WS	119.97	4.12	8.93		8.94	0.000075	0.81	147.51	53.72	0.09
Hempstead Lake	1978.09*	Max WS	119.97	4.14	8.93		8.94	0.000078	0.83	144.85	53.00	0.09
Hempstead Lake	1968.97*	Max WS	119.97	4.16	8.93		8.94	0.000081	0.85	141.95	51.87	0.09
Hempstead Lake	1959.86*	Max WS	119.83	4.18	8.93		8.94	0.000084	0.86	139.43	50.85	0.09
Hempstead Lake	1950.747	Max WS	119.83	4.20	8.93		8.94	0.000087	0.88	136.71	49.82	0.09
Hempstead Lake	1945.747	Max WS	118.75	4.21	8.90		8.94	0.000253	1.64	72.51	16.93	0.14
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	114.96	4.50	8.79		8.85	0.000404	1.91	60.13	14.00	0.16
Hempstead Lake	1880.747	Max WS	115.96	4.45	8.83		8.83	0.000020	0.41	284.59	112.44	0.05
Hempstead Lake	1848.83*	Max WS	115.95	2.70	8.83		8.83	0.000001	0.10	1218.10	331.92	0.01
Hempstead Lake	1816.92*	Max WS	116.10	0.95	8.83		8.83	0.000000	0.04	2998.85	607.18	0.00
Hempstead Lake	1785.01*	Max WS	116.10	-0.80	8.83		8.83	0.000000	0.02	5438.13	801.32	0.00
Hempstead Lake	1753.104	Max WS	116.09	-2.55	8.83		8.83	0.000000	0.01	8430.18	987.06	0.00
Hempstead Lake	1732.65*	Max WS	116.09	-2.75	8.83		8.83	0.000000	0.01	8451.66	990.68	0.00
Hempstead Lake	1712.21*	Max WS	116.09	-2.95	8.83		8.83	0.000000	0.01	8486.33	997.33	0.00
Hempstead Lake	1691.76*	Max WS	115.82	-3.14	8.83		8.83	0.000000	0.01	8537.06	1008.62	0.00
Hempstead Lake	1671.32*	Max WS	116.09	-3.34	8.83		8.83	0.000000	0.01	8609.70	1026.44	0.00
Hempstead Lake	1650.87*	Max WS	116.09	-3.54	8.83		8.83	0.000000	0.01	8710.84	1047.05	0.00
Hempstead Lake	1630.434	Max WS	116.08	-3.74	8.83		8.83	0.000000	0.01	8846.81	1073.04	0.00
Hempstead Lake	1610.36*	Max WS	116.08	-3.49	8.83		8.83	0.000000	0.01	8413.17	1049.28	0.00
Hempstead Lake	1590.30*	Max WS	116.08	-3.23	8.83		8.83	0.000000	0.01	7990.09	1024.87	0.00
Hempstead Lake	1570.23*	Max WS	116.07	-2.98	8.83		8.83	0.000000	0.02	7577.82	999.77	0.00
Hempstead Lake	1550.17*	Max WS	115.66	-2.73	8.83		8.83	0.000000	0.02	7177.31	974.06	0.00
Hempstead Lake	1530.10*	Max WS	115.63	-2.47	8.83		8.83	0.000000	0.02	6786.26	947.16	0.00
Hempstead Lake	1510.03*	Max WS	116.07	-2.22	8.83		8.83	0.000000	0.02	6406.90	917.63	0.00
Hempstead Lake	1489.97*	Max WS	116.07	-1.96	8.83		8.83	0.000000	0.02	6040.41	887.04	0.00
Hempstead Lake	1469.90*	Max WS	116.07	-1.71	8.83		8.83	0.000000	0.02	5687.37	854.08	0.00
Hempstead Lake	1449.83*	Max WS	116.06	-1.46	8.83		8.83	0.000000	0.02	5349.08	819.81	0.00
Hempstead Lake	1429.77*	Max WS	116.06	-1.20	8.83		8.83	0.000000	0.02	5024.04	784.93	0.00
Hempstead Lake	1409.707	Max WS	116.06	-0.95	8.83		8.83	0.000000	0.02	4712.04	751.59	0.00
Hempstead Lake	1389.03*	Max WS	1281.17	-0.98	8.82		8.83	0.000003	0.27	4724.88	756.33	0.02
Hempstead Lake	1368.35*	Max WS	1281.16	-1.00	8.82		8.83	0.000003	0.27	4738.86	764.52	0.02
Hempstead Lake	1347.67*	Max WS	1281.15	-1.03	8.82		8.82	0.000003	0.27	4754.90	767.62	0.02
Hempstead Lake	1326.99*	Max WS	1281.15	-1.06	8.82		8.82	0.000003	0.27	4770.90	769.63	0.02
Hempstead Lake	1306.32*	Max WS	1281.14	-1.08	8.82		8.82	0.000003	0.27	4785.22	771.00	0.02
Hempstead Lake	1285.64*	Max WS	1281.13	-1.11	8.82		8.82	0.000003	0.27	4800.32	771.43	0.02
Hempstead Lake	1264.96*	Max WS	1281.13	-1.14	8.82		8.82	0.000003	0.27	4814.89	774.90	0.02
Hempstead Lake	1244.28*	Max WS	1281.12	-1.16	8.82		8.82	0.000003	0.27	4830.25	776.60	0.02
Hempstead Lake	1223.61*	Max WS	1281.11	-1.19	8.82		8.82	0.000003	0.27	4845.12	777.36	0.02
Hempstead Lake	1202.93*	Max WS	1281.10	-1.22	8.82		8.82	0.000002	0.27	4858.68	777.38	0.02
Hempstead Lake	1182.25*	Max WS	1281.09	-1.24	8.82		8.82	0.000002	0.27	4872.12	777.32	0.02
Hempstead Lake	1161.57*	Max WS	1281.09	-1.27	8.82		8.82	0.000002	0.26	4884.69	777.21	0.02
Hempstead Lake	1140.90*	Max WS	1281.08	-1.30	8.82		8.82	0.000002	0.26	4897.32	777.00	0.02
Hempstead Lake	1120.22*	Max WS	1281.07	-1.32	8.82		8.82	0.000003	0.26	4910.05	776.85	0.02
Hempstead Lake	1099.54*	Max WS	1281.06	-1.35	8.82		8.82	0.000002	0.26	4921.24	776.59	0.02
Hempstead Lake	1078.87*	Max WS	1281.05	-1.38	8.82		8.82	0.000002	0.26	4930.78	776.51	0.02
Hempstead Lake	1058.19*	Max WS	1281.04	-1.40	8.82		8.82	0.000002	0.26	4942.35	776.42	0.02
Hempstead Lake	1037.515	Max WS	1281.03	-1.43	8.82		8.82	0.000002	0.26	4951.87	776.51	0.02
Hempstead Lake	1017.08*	Max WS	1285.49	-1.35	8.82		8.82	0.000003	0.26	4968.81	772.65	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	996.645*	Max WS	1285.48	-1.28	8.82		8.82	0.000003	0.26	4985.20	768.77	0.02
Hempstead Lake	976.210*	Max WS	1285.47	-1.20	8.82		8.82	0.000004	0.26	5000.18	764.35	0.02
Hempstead Lake	955.775*	Max WS	1285.47	-1.13	8.82		8.82	0.000004	0.26	5014.80	759.89	0.02
Hempstead Lake	935.340*	Max WS	1285.46	-1.05	8.82		8.82	0.000005	0.26	5027.40	755.04	0.02
Hempstead Lake	914.905*	Max WS	1285.45	-0.98	8.82		8.82	0.000006	0.26	5039.36	750.10	0.02
Hempstead Lake	894.471*	Max WS	1285.44	-0.90	8.82		8.82	0.000006	0.26	5049.50	744.91	0.02
Hempstead Lake	874.036*	Max WS	1285.43	-0.83	8.82		8.82	0.000007	0.26	5058.80	739.41	0.02
Hempstead Lake	853.601*	Max WS	1285.42	-0.75	8.82		8.82	0.000007	0.26	5067.03	733.87	0.02
Hempstead Lake	833.166*	Max WS	1285.41	-0.68	8.82		8.82	0.000008	0.26	5072.29	728.20	0.02
Hempstead Lake	812.731*	Max WS	1285.40	-0.60	8.82		8.82	0.000009	0.26	5077.62	722.28	0.02
Hempstead Lake	792.296*	Max WS	1285.39	-0.53	8.82		8.82	0.000010	0.26	5081.80	716.36	0.02
Hempstead Lake	771.862	Max WS	1285.38	-0.45	8.82		8.82	0.000002	0.26	5083.98	710.27	0.02
Hempstead Lake	750.331*	Max WS	1287.37	-0.53	8.82		8.82	0.000010	0.27	4830.09	692.18	0.02
Hempstead Lake	728.8*	Max WS	1287.35	-0.61	8.82		8.82	0.000011	0.29	4601.91	669.26	0.02
Hempstead Lake	707.269*	Max WS	1287.34	-0.69	8.82		8.82	0.000011	0.30	4403.58	645.86	0.02
Hempstead Lake	685.738*	Max WS	1287.33	-0.77	8.82		8.82	0.000010	0.31	4232.80	627.26	0.02
Hempstead Lake	664.207*	Max WS	1287.32	-0.85	8.82		8.82	0.000010	0.32	4086.70	609.62	0.02
Hempstead Lake	642.676*	Max WS	1287.31	-0.93	8.82		8.82	0.000010	0.33	3964.45	594.25	0.02
Hempstead Lake	621.145*	Max WS	1287.30	-1.02	8.82		8.82	0.000009	0.34	3863.38	577.43	0.02
Hempstead Lake	599.614*	Max WS	1287.29	-1.10	8.82		8.82	0.000008	0.34	3787.14	559.26	0.02
Hempstead Lake	578.083*	Max WS	1287.28	-1.18	8.82		8.82	0.000007	0.35	3736.08	537.81	0.02
Hempstead Lake	556.552*	Max WS	1287.27	-1.26	8.82		8.82	0.000006	0.35	3708.22	521.57	0.02
Hempstead Lake	535.021*	Max WS	1287.27	-1.34	8.82		8.82	0.000004	0.35	3700.23	507.99	0.02
Hempstead Lake	513.490	Max WS	1287.26	-1.42	8.82		8.82	0.000003	0.35	3707.62	496.63	0.02
Hempstead Lake	493.038*	Max WS	1293.34	-1.03	8.82		8.82	0.000010	0.40	3259.12	481.63	0.03
Hempstead Lake	472.587*	Max WS	1293.33	-0.65	8.82		8.82	0.000016	0.46	2826.01	469.16	0.03
Hempstead Lake	452.136*	Max WS	1293.32	-0.26	8.82		8.82	0.000028	0.54	2406.60	456.35	0.04
Hempstead Lake	431.685*	Max WS	1293.28	0.12	8.81		8.82	0.000049	0.65	2002.14	443.23	0.05
Hempstead Lake	411.234*	Max WS	1293.31	0.51	8.81		8.82	0.000087	0.80	1612.38	429.72	0.07
Hempstead Lake	390.783*	Max WS	1293.30	0.90	8.80		8.82	0.000160	1.05	1235.95	415.47	0.11
Hempstead Lake	370.332*	Max WS	1293.27	1.28	8.78		8.81	0.000280	1.47	878.04	386.34	0.17
Hempstead Lake	349.881*	Max WS	1293.27	1.67	8.73		8.81	0.000409	2.17	596.05	184.43	0.21
Hempstead Lake	329.430*	Max WS	1293.27	2.05	8.71		8.80	0.000499	2.37	544.60	124.27	0.20
Hempstead Lake	308.979*	Max WS	1293.27	2.44	8.68		8.78	0.000637	2.57	503.94	117.55	0.22
Hempstead Lake	288.528*	Max WS	1293.27	2.83	8.65		8.77	0.000844	2.77	466.27	111.81	0.24
Hempstead Lake	268.077*	Max WS	1293.27	3.21	8.61		8.75	0.001082	3.00	431.58	106.97	0.26
Hempstead Lake	247.626*	Max WS	1293.27	3.60	8.56		8.72	0.001425	3.26	396.84	102.76	0.29
Hempstead Lake	227.175*	Max WS	1293.27	3.98	8.49		8.69	0.001830	3.56	363.04	99.16	0.33
Hempstead Lake	206.724	Max WS	1293.27	4.37	8.42		8.66	0.001250	3.94	328.57	96.20	0.38
Hempstead Lake	201.724	Max WS	1293.27	4.37	8.52	6.04	8.65	0.000559	2.88	449.33	111.67	0.25
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	1293.27	1.00	4.29		4.47	0.000995	3.38	389.02	123.18	0.33
Hempstead Lake	166.724	Max WS	1293.27	1.00	4.29	2.58	4.46	0.001001	3.39	388.32	123.16	0.33

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HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	31.37	31.29	0.08	0.02			1462.92	297.48	377.83
Hempstead Lake	15523.7*	Max WS	31.33	31.26	0.08	0.07			1497.77	262.31	379.57
Hempstead Lake	15503.5*	Max WS	31.27	31.19	0.08	0.07			1531.77	227.99	378.77
Hempstead Lake	15483.3*	Max WS	31.21	31.12	0.09	0.07			1562.26	197.19	377.68
Hempstead Lake	15463.0*	Max WS	31.14	31.05	0.09	0.07			1589.20	169.42	375.89
Hempstead Lake	15442.8*	Max WS	31.08	30.98	0.10	0.07			1613.35	145.19	372.82
Hempstead Lake	15422.5*	Max WS	31.02	30.91	0.10	0.07			1633.98	124.45	368.68
Hempstead Lake	15402.3*	Max WS	30.95	30.83	0.11	0.08			1651.87	106.39	362.81
Hempstead Lake	15382.1*	Max WS	30.88	30.75	0.13	0.09			1666.68	90.96	354.88
Hempstead Lake	15361.8*	Max WS	30.79	30.65	0.15	0.10			1678.64	78.95	343.20
Hempstead Lake	15341.6*	Max WS	30.69	30.51	0.18	0.11			1689.19	68.30	324.52
Hempstead Lake	15321.4*	Max WS	30.58	30.36	0.22	0.11			1707.35	50.04	276.32
Hempstead Lake	15301.1*	Max WS	30.48	30.21	0.26	0.13			1722.01	35.28	251.81
Hempstead Lake	15280.9*	Max WS	30.37	30.05	0.32	0.15			1734.01	23.07	237.68
Hempstead Lake	15260.7*	Max WS	30.25	29.84	0.42	0.19			1746.94	10.12	219.75
Hempstead Lake	15240.4*	Max WS	30.16	29.59	0.57	0.25			1754.34	2.69	194.35
Hempstead Lake	15220.2*	Max WS	30.14	29.36	0.77	0.37			1756.73	0.25	172.55
Hempstead Lake	15200.02	Max WS	30.31	29.01	1.30	0.46			1756.92		144.31
Hempstead Lake	15180.7*	Max WS	29.64	28.59	1.05	0.48			1756.87		159.37
Hempstead Lake	15161.4*	Max WS	29.04	28.16	0.88	0.50			1756.73		174.54
Hempstead Lake	15142.1*	Max WS	28.47	27.71	0.76	0.52			1756.71		189.40
Hempstead Lake	15122.8*	Max WS	27.93	27.26	0.67	0.53			1756.40		196.65
Hempstead Lake	15103.5*	Max WS	27.41	26.84	0.57	0.21			1756.33		209.66
Hempstead Lake	15084.2*	Max WS	26.74	26.68	0.06	0.04			754.28		247.63
Hempstead Lake	15064.9*	Max WS	26.70	26.67	0.03	0.02			737.93		279.32
Hempstead Lake	15045.6*	Max WS	26.68	26.66	0.02	0.01			735.07		310.47
Hempstead Lake	15026.4*	Max WS	26.67	26.66	0.01	0.01			733.62		341.58
Hempstead Lake	15007.1*	Max WS	26.66	26.65	0.01	0.00			730.71		379.69
Hempstead Lake	14987.82	Max WS	26.66	26.65	0.01	0.00			730.71		420.88
Hempstead Lake	14966.6*	Max WS	26.66	26.65	0.00	0.00			738.26		439.65
Hempstead Lake	14945.4*	Max WS	26.65	26.65	0.00	0.00			736.80		461.01
Hempstead Lake	14924.3*	Max WS	26.65	26.65	0.00	0.00			736.79		483.73
Hempstead Lake	14903.1*	Max WS	26.65	26.65	0.00	0.00			735.34		506.43
Hempstead Lake	14882.*	Max WS	26.65	26.65	0.00	0.00			735.33		527.75
Hempstead Lake	14860.8*	Max WS	26.65	26.65	0.00	0.00			735.33		549.21
Hempstead Lake	14839.6*	Max WS	26.65	26.65	0.00	0.00			733.90		570.72
Hempstead Lake	14818.5*	Max WS	26.65	26.65	0.00	0.00			733.90		592.16
Hempstead Lake	14797.35	Max WS	26.65	26.65	0.00	0.00			733.89		613.73
Hempstead Lake	14777.4*	Max WS	26.65	26.65	0.00	0.00			733.89		625.59
Hempstead Lake	14757.4*	Max WS	26.65	26.65	0.00	0.00			733.88		637.66
Hempstead Lake	14737.5*	Max WS	26.65	26.65	0.00	0.00			733.87		649.86
Hempstead Lake	14717.5*	Max WS	26.65	26.65	0.00	0.00			733.86		662.17
Hempstead Lake	14697.6*	Max WS	26.65	26.65	0.00	0.00			733.85		674.54
Hempstead Lake	14677.6*	Max WS	26.65	26.65	0.00	0.00			733.84		686.91
Hempstead Lake	14657.7*	Max WS	26.65	26.64	0.00	0.00			733.83		699.52
Hempstead Lake	14637.7*	Max WS	26.65	26.64	0.00	0.00			733.81		712.24
Hempstead Lake	14617.8*	Max WS	26.65	26.64	0.00	0.00			733.80		724.72
Hempstead Lake	14597.8*	Max WS	26.65	26.64	0.00	0.00			733.78		737.07
Hempstead Lake	14577.9*	Max WS	26.65	26.64	0.00	0.00			733.77		749.59
Hempstead Lake	14557.9*	Max WS	26.65	26.64	0.00	0.00			732.52		762.11
Hempstead Lake	14538.0*	Max WS	26.65	26.64	0.00	0.00			733.73		774.69
Hempstead Lake	14518.0*	Max WS	26.65	26.64	0.00	0.00			732.51		787.14
Hempstead Lake	14498.1*	Max WS	26.65	26.64	0.00	0.00			732.51		799.74
Hempstead Lake	14478.1*	Max WS	26.65	26.64	0.00	0.00			732.50		812.39
Hempstead Lake	14458.2*	Max WS	26.65	26.64	0.00	0.00			732.50		824.96
Hempstead Lake	14438.2*	Max WS	26.65	26.64	0.00	0.00			732.49		837.49
Hempstead Lake	14418.3*	Max WS	26.65	26.64	0.00	0.00			732.49		850.16
Hempstead Lake	14398.37	Max WS	26.65	26.64	0.00	0.00			732.48		862.83
Hempstead Lake	14378.3*	Max WS	26.64	26.64	0.00	0.00			732.47		847.82
Hempstead Lake	14358.3*	Max WS	26.64	26.64	0.00	0.00			732.47		832.68
Hempstead Lake	14338.2*	Max WS	26.64	26.64	0.00	0.00			732.46		817.62
Hempstead Lake	14318.2*	Max WS	26.64	26.64	0.00	0.00			732.45		802.46
Hempstead Lake	14298.2*	Max WS	26.64	26.64	0.00	0.00			732.44		787.29
Hempstead Lake	14278.1*	Max WS	26.64	26.64	0.00	0.00			732.43		771.98
Hempstead Lake	14258.1*	Max WS	26.64	26.64	0.00	0.00			732.42		756.59
Hempstead Lake	14238.1*	Max WS	26.64	26.64	0.00	0.00			732.41		741.28
Hempstead Lake	14218.0*	Max WS	26.64	26.64	0.00	0.00			732.40		725.70
Hempstead Lake	14198.0*	Max WS	26.64	26.64	0.00	0.00			732.39		710.32
Hempstead Lake	14178.0*	Max WS	26.64	26.64	0.00	0.00			732.38		693.29
Hempstead Lake	14157.9*	Max WS	26.64	26.64	0.00	0.00			732.37		676.24
Hempstead Lake	14137.9*	Max WS	26.64	26.64	0.00	0.00			732.36		660.17
Hempstead Lake	14117.9*	Max WS	26.64	26.64	0.00	0.00			732.35		643.58

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	26.64	26.64	0.00	0.00			732.34		626.15
Hempstead Lake	14077.8*	Max WS	26.64	26.64	0.00	0.00			731.46		608.44
Hempstead Lake	14057.8*	Max WS	26.64	26.64	0.00	0.00			732.31		592.00
Hempstead Lake	14037.7*	Max WS	26.64	26.64	0.00	0.00			732.30		572.51
Hempstead Lake	14017.75	Max WS	26.64	26.64	0.00	0.00			731.45		556.44
Hempstead Lake	13998.2*	Max WS	26.64	26.64	0.00	0.00			731.45		574.29
Hempstead Lake	13978.6*	Max WS	26.64	26.64	0.00	0.00			731.45		593.30
Hempstead Lake	13959.1*	Max WS	26.64	26.64	0.00	0.00			731.44		613.85
Hempstead Lake	13939.6*	Max WS	26.64	26.64	0.00	0.00			731.44		635.97
Hempstead Lake	13920.0*	Max WS	26.64	26.64	0.00	0.00			731.43		660.25
Hempstead Lake	13900.5*	Max WS	26.64	26.64	0.00	0.00			731.43		685.43
Hempstead Lake	13881.*	Max WS	26.64	26.64	0.00	0.00			731.42		710.84
Hempstead Lake	13861.4*	Max WS	26.64	26.64	0.00	0.00			731.41		737.13
Hempstead Lake	13841.9*	Max WS	26.64	26.64	0.00	0.00			731.40		764.65
Hempstead Lake	13822.3*	Max WS	26.64	26.64	0.00	0.00			731.39		785.49
Hempstead Lake	13802.8*	Max WS	26.64	26.64	0.00	0.00			731.38		805.83
Hempstead Lake	13783.3*	Max WS	26.64	26.64	0.00	0.00			731.37		825.75
Hempstead Lake	13763.7*	Max WS	26.64	26.64	0.00	0.00			731.36		845.61
Hempstead Lake	13744.2*	Max WS	26.64	26.64	0.00	0.00			731.34		865.19
Hempstead Lake	13724.7*	Max WS	26.64	26.64	0.00	0.00			731.33		884.71
Hempstead Lake	13705.1*	Max WS	26.64	26.64	0.00	0.00			730.65		904.08
Hempstead Lake	13685.63	Max WS	26.64	26.64	0.00	0.00			730.65		923.31
Hempstead Lake	13666.4*	Max WS	26.64	26.64	0.00	0.00			730.65		928.23
Hempstead Lake	13647.1*	Max WS	26.64	26.64	0.00	0.00			730.64		933.65
Hempstead Lake	13627.9*	Max WS	26.64	26.64	0.00	0.00			730.64		939.19
Hempstead Lake	13608.7*	Max WS	26.64	26.64	0.00	0.00			730.63		945.26
Hempstead Lake	13589.5*	Max WS	26.64	26.64	0.00	0.00			730.63		951.82
Hempstead Lake	13570.2*	Max WS	26.64	26.64	0.00	0.00			730.62		958.97
Hempstead Lake	13551.0*	Max WS	26.64	26.64	0.00	0.00			730.61		967.28
Hempstead Lake	13531.8*	Max WS	26.64	26.64	0.00	0.00			730.60		976.92
Hempstead Lake	13512.6*	Max WS	26.64	26.64	0.00	0.00			730.59		990.08
Hempstead Lake	13493.3*	Max WS	26.64	26.64	0.00	0.00			730.57	0.01	999.99
Hempstead Lake	13474.1*	Max WS	26.64	26.64	0.00	0.00			730.36	0.21	1008.42
Hempstead Lake	13454.9*	Max WS	26.64	26.64	0.00	0.00			729.74	0.83	1020.62
Hempstead Lake	13435.72	Max WS	26.64	26.64	0.00	0.00			725.33	5.22	1027.11
Hempstead Lake	13419.3*	Max WS	26.64	26.64	0.00	0.00			729.25	0.81	1021.31
Hempstead Lake	13403.0*	Max WS	26.64	26.64	0.00	0.00			730.34	0.18	1011.68
Hempstead Lake	13386.6*	Max WS	26.64	26.64	0.00	0.00			730.51	0.00	1002.88
Hempstead Lake	13370.3*	Max WS	26.64	26.64	0.00	0.00			730.05		979.68
Hempstead Lake	13354.*	Max WS	26.64	26.64	0.00	0.00			730.05		968.11
Hempstead Lake	13337.6*	Max WS	26.64	26.64	0.00	0.00			730.05		947.99
Hempstead Lake	13321.3*	Max WS	26.64	26.64	0.00	0.00			730.04		939.39
Hempstead Lake	13304.9*	Max WS	26.64	26.64	0.00	0.00			730.04		934.20
Hempstead Lake	13288.6*	Max WS	26.64	26.64	0.00	0.00			730.04		931.42
Hempstead Lake	13272.29	Max WS	26.64	26.64	0.00	0.00			730.03		930.51
Hempstead Lake	13255.0*	Max WS	26.64	26.64	0.00	0.00			730.03		928.54
Hempstead Lake	13237.8*	Max WS	26.64	26.64	0.00	0.00			730.02		926.60
Hempstead Lake	13220.5*	Max WS	26.64	26.64	0.00	0.00			730.02		924.75
Hempstead Lake	13203.3*	Max WS	26.64	26.64	0.00	0.00			730.01		922.94
Hempstead Lake	13186.0*	Max WS	26.64	26.64	0.00	0.00			730.00		921.20
Hempstead Lake	13168.8*	Max WS	26.64	26.64	0.00	0.00			730.00		919.36
Hempstead Lake	13151.6*	Max WS	26.64	26.64	0.00	0.00			729.99		917.67
Hempstead Lake	13134.3*	Max WS	26.64	26.64	0.00	0.00			729.99		915.96
Hempstead Lake	13117.1*	Max WS	26.64	26.64	0.00	0.00			729.98		914.18
Hempstead Lake	13099.8*	Max WS	26.64	26.64	0.00	0.00			729.97		905.47
Hempstead Lake	13082.6*	Max WS	26.64	26.64	0.00	0.00			729.96		893.16
Hempstead Lake	13065.3*	Max WS	26.64	26.64	0.00	0.00			729.96		884.49
Hempstead Lake	13048.1*	Max WS	26.64	26.64	0.00	0.00			729.95		879.66
Hempstead Lake	13030.9*	Max WS	26.64	26.64	0.00	0.00			729.94		877.49
Hempstead Lake	13013.6*	Max WS	26.64	26.64	0.00	0.00			729.93		900.03
Hempstead Lake	12996.4*	Max WS	26.64	26.64	0.00	0.00			729.93		914.07
Hempstead Lake	12979.1*	Max WS	26.64	26.64	0.00	0.00			729.92		921.12
Hempstead Lake	12961.9*	Max WS	26.64	26.64	0.00	0.00			729.91		929.29
Hempstead Lake	12944.7*	Max WS	26.64	26.64	0.00	0.00			729.90		939.24
Hempstead Lake	12927.4*	Max WS	26.64	26.64	0.00	0.00			729.89		950.82
Hempstead Lake	12910.2*	Max WS	26.64	26.64	0.00	0.00			729.89		961.74
Hempstead Lake	12892.97	Max WS	26.64	26.64	0.00	0.00			729.88		973.49
Hempstead Lake	12881.0*	Max WS	26.64	26.64	0.00	0.00			844.69		970.58
Hempstead Lake	12869.1*	Max WS	26.64	26.64	0.00	0.00			844.30		967.57
Hempstead Lake	12857.1*	Max WS	26.64	26.64	0.00	0.00			844.68		965.73
Hempstead Lake	12845.2*	Max WS	26.64	26.64	0.00	0.00			844.29		964.44
Hempstead Lake	12833.3*	Max WS	26.64	26.64	0.00	0.00			844.29		962.31

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	26.64	26.64	0.00	0.00			844.29		960.33
Hempstead Lake	12809.4*	Max WS	26.64	26.64	0.00	0.00			844.65		959.02
Hempstead Lake	12797.5*	Max WS	26.64	26.64	0.00	0.00			844.29		957.84
Hempstead Lake	12785.6*	Max WS	26.64	26.64	0.00	0.00			844.29		952.04
Hempstead Lake	12773.7*	Max WS	26.64	26.63	0.00	0.00			844.62		933.13
Hempstead Lake	12761.7*	Max WS	26.64	26.63	0.00	0.00			844.29		919.69
Hempstead Lake	12749.8*	Max WS	26.64	26.63	0.00	0.00			844.61		903.79
Hempstead Lake	12737.9*	Max WS	26.64	26.63	0.00	0.00			844.60		897.38
Hempstead Lake	12726.0*	Max WS	26.64	26.63	0.00	0.00			844.29		897.24
Hempstead Lake	12714.0*	Max WS	26.64	26.63	0.00	0.00			844.58		897.34
Hempstead Lake	12702.1*	Max WS	26.64	26.63	0.00	0.00			844.28		897.55
Hempstead Lake	12690.2*	Max WS	26.64	26.63	0.00	0.00			844.57		897.78
Hempstead Lake	12678.3*	Max WS	26.64	26.63	0.00	0.00			844.56		896.49
Hempstead Lake	12666.3*	Max WS	26.64	26.63	0.00	0.00			844.55		895.29
Hempstead Lake	12654.4*	Max WS	26.64	26.63	0.00	0.00			844.28		894.04
Hempstead Lake	12642.5*	Max WS	26.64	26.63	0.00	0.00			844.54		892.69
Hempstead Lake	12630.6*	Max WS	26.64	26.63	0.00	0.00			844.53		891.38
Hempstead Lake	12618.6*	Max WS	26.64	26.63	0.00	0.00			844.28		890.13
Hempstead Lake	12606.7*	Max WS	26.64	26.63	0.00	0.00			844.28		888.88
Hempstead Lake	12594.8*	Max WS	26.64	26.63	0.00	0.00			844.51		887.72
Hempstead Lake	12582.9*	Max WS	26.64	26.63	0.00	0.00			844.50		886.54
Hempstead Lake	12570.9*	Max WS	26.64	26.63	0.00	0.00			844.49		885.34
Hempstead Lake	12559.0*	Max WS	26.64	26.63	0.00	0.00			844.28		884.22
Hempstead Lake	12547.1*	Max WS	26.64	26.63	0.00	0.00			844.48		883.09
Hempstead Lake	12535.2*	Max WS	26.64	26.63	0.00	0.00			844.47		881.97
Hempstead Lake	12523.27	Max WS	26.64	26.63	0.00	0.00			844.47		880.88
Hempstead Lake	12515.8*	Max WS	26.64	26.63	0.00	0.00			866.53		877.07
Hempstead Lake	12508.3*	Max WS	26.64	26.63	0.00	0.00			866.53		873.47
Hempstead Lake	12500.9*	Max WS	26.64	26.63	0.00	0.00			866.52		869.99
Hempstead Lake	12493.4*	Max WS	26.64	26.63	0.00	0.00			866.52		866.69
Hempstead Lake	12486.0*	Max WS	26.63	26.63	0.00	0.00			866.51		863.68
Hempstead Lake	12478.5*	Max WS	26.63	26.63	0.00	0.00			866.51		860.89
Hempstead Lake	12471.1*	Max WS	26.63	26.63	0.00	0.00			866.32		894.32
Hempstead Lake	12463.7*	Max WS	26.63	26.63	0.00	0.00			866.50		897.57
Hempstead Lake	12456.2*	Max WS	26.63	26.63	0.00	0.00			866.32		897.94
Hempstead Lake	12448.8*	Max WS	26.63	26.63	0.00	0.00			866.32		897.44
Hempstead Lake	12441.3*	Max WS	26.63	26.63	0.00	0.00			866.49		895.91
Hempstead Lake	12433.9*	Max WS	26.63	26.63	0.00	0.00			866.32		893.91
Hempstead Lake	12426.4*	Max WS	26.63	26.63	0.00	0.00			866.48		891.32
Hempstead Lake	12419.0*	Max WS	26.63	26.63	0.00	0.00			866.32		888.26
Hempstead Lake	12411.5*	Max WS	26.63	26.63	0.00	0.00			866.32		883.97
Hempstead Lake	12404.1*	Max WS	26.63	26.63	0.00	0.00			866.47		878.85
Hempstead Lake	12396.6*	Max WS	26.63	26.63	0.00	0.00			866.46		873.72
Hempstead Lake	12389.2*	Max WS	26.63	26.63	0.00	0.00			866.32		868.44
Hempstead Lake	12381.8*	Max WS	26.63	26.63	0.00	0.00			866.46		863.17
Hempstead Lake	12374.3*	Max WS	26.63	26.63	0.00	0.00			866.45		857.84
Hempstead Lake	12366.9*	Max WS	26.63	26.63	0.00	0.00			866.45		852.47
Hempstead Lake	12359.46	Max WS	26.63	26.63	0.00	0.00			866.44		847.04
Hempstead Lake	12350.7*	Max WS	26.63	26.63	0.00	0.00			880.98		835.19
Hempstead Lake	12342.0*	Max WS	26.63	26.63	0.00	0.00			881.11		823.36
Hempstead Lake	12333.3*	Max WS	26.63	26.63	0.00	0.00			880.98		811.50
Hempstead Lake	12324.7*	Max WS	26.63	26.63	0.00	0.00			881.10		799.64
Hempstead Lake	12316.0*	Max WS	26.63	26.63	0.00	0.00			881.10		787.73
Hempstead Lake	12307.3*	Max WS	26.63	26.63	0.00	0.00			880.98		775.75
Hempstead Lake	12298.6*	Max WS	26.63	26.63	0.00	0.00			880.98		762.43
Hempstead Lake	12289.9*	Max WS	26.63	26.63	0.00	0.00			881.08		749.14
Hempstead Lake	12281.2*	Max WS	26.63	26.63	0.00	0.00			880.97		735.85
Hempstead Lake	12272.5*	Max WS	26.63	26.63	0.00	0.00			880.97		722.55
Hempstead Lake	12263.8*	Max WS	26.63	26.63	0.00	0.00			881.07		709.33
Hempstead Lake	12255.1*	Max WS	26.63	26.63	0.00	0.00			880.97		696.06
Hempstead Lake	12246.4*	Max WS	26.63	26.63	0.00	0.00			880.97		682.77
Hempstead Lake	12237.7*	Max WS	26.63	26.63	0.00	0.00			880.97		669.62
Hempstead Lake	12229.1*	Max WS	26.63	26.63	0.00	0.00			881.05		656.39
Hempstead Lake	12220.4*	Max WS	26.63	26.63	0.00	0.00			880.97		643.19
Hempstead Lake	12211.7*	Max WS	26.63	26.63	0.00	0.00			880.97		630.08
Hempstead Lake	12203.0*	Max WS	26.63	26.62	0.00	0.00			880.97		616.91
Hempstead Lake	12194.3*	Max WS	26.63	26.62	0.00	0.00			880.97		603.40
Hempstead Lake	12185.6*	Max WS	26.63	26.62	0.00	0.00			880.97		587.05
Hempstead Lake	12176.9*	Max WS	26.63	26.62	0.00	0.00			880.96		569.21
Hempstead Lake	12168.2*	Max WS	26.63	26.62	0.00	0.00			880.96		552.47
Hempstead Lake	12159.5*	Max WS	26.62	26.62	0.00	0.00			880.96		536.77
Hempstead Lake	12150.8*	Max WS	26.62	26.62	0.01	0.00			880.96		521.71

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frcln Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	26.62	26.62	0.01	0.00			881.00		507.02
Hempstead Lake	12133.5*	Max WS	26.62	26.62	0.01	0.00			880.96		492.96
Hempstead Lake	12124.8*	Max WS	26.62	26.61	0.01	0.00			880.96		479.48
Hempstead Lake	12116.1*	Max WS	26.62	26.61	0.01	0.00			880.96		466.29
Hempstead Lake	12107.4*	Max WS	26.62	26.61	0.01	0.00			880.96		453.47
Hempstead Lake	12098.7*	Max WS	26.62	26.61	0.01	0.00			880.96		440.85
Hempstead Lake	12090.0*	Max WS	26.62	26.61	0.01	0.00			880.96		428.47
Hempstead Lake	12081.3*	Max WS	26.62	26.61	0.01	0.00			880.95		416.09
Hempstead Lake	12072.6*	Max WS	26.61	26.60	0.01	0.00			880.95		403.96
Hempstead Lake	12063.9*	Max WS	26.61	26.60	0.01	0.00			880.95		391.70
Hempstead Lake	12055.2*	Max WS	26.61	26.60	0.01	0.00			880.95		379.12
Hempstead Lake	12046.5*	Max WS	26.61	26.60	0.01	0.00			880.95		365.32
Hempstead Lake	12037.9*	Max WS	26.61	26.60	0.01	0.00			880.95		346.82
Hempstead Lake	12029.2*	Max WS	26.61	26.59	0.02	0.00			880.95		327.58
Hempstead Lake	12020.5*	Max WS	26.61	26.59	0.02	0.00			880.95		306.23
Hempstead Lake	12011.8*	Max WS	26.61	26.59	0.02	0.00			880.95		286.03
Hempstead Lake	12003.1*	Max WS	26.61	26.59	0.02	0.00			880.95		268.17
Hempstead Lake	11994.45	Max WS	26.61	26.59	0.02	0.00			891.37		255.72
Hempstead Lake	11989.45	Max WS	26.61	26.58	0.03				891.37		192.05
Hempstead Lake	11979.45		Inl Struct								
Hempstead Lake	11969.45	Max WS	26.54	26.52	0.03	0.00			891.37		188.94
Hempstead Lake	11964.45	Max WS	26.54	26.52	0.03	0.00			891.37		176.71
Hempstead Lake	11954.6*	Max WS	26.54	26.51	0.03	0.00			891.37		164.64
Hempstead Lake	11944.8*	Max WS	26.54	26.51	0.03	0.00			891.37		154.41
Hempstead Lake	11934.9*	Max WS	26.54	26.50	0.04	0.00			891.37		146.27
Hempstead Lake	11925.1*	Max WS	26.54	26.49	0.05	0.00			891.37		136.93
Hempstead Lake	11915.3*	Max WS	26.53	26.48	0.05	0.00			891.36		125.73
Hempstead Lake	11905.5*	Max WS	26.53	26.47	0.06	0.00			891.36		103.70
Hempstead Lake	11895.6*	Max WS	26.53	26.46	0.07	0.00			891.36		83.11
Hempstead Lake	11885.8*	Max WS	26.53	26.45	0.08	0.00			891.36		77.61
Hempstead Lake	11876.0*	Max WS	26.52	26.44	0.09	0.00			891.36		72.43
Hempstead Lake	11866.2*	Max WS	26.52	26.42	0.10	0.00			891.36		67.53
Hempstead Lake	11856.4*	Max WS	26.52	26.40	0.11	0.00			891.36		62.81
Hempstead Lake	11846.5*	Max WS	26.51	26.38	0.13	0.00			891.36		58.26
Hempstead Lake	11836.7*	Max WS	26.51	26.36	0.15	0.00			891.36		53.80
Hempstead Lake	11826.9*	Max WS	26.51	26.32	0.18	0.01			891.36		49.46
Hempstead Lake	11817.1*	Max WS	26.50	26.28	0.22	0.01			891.36		45.16
Hempstead Lake	11807.2*	Max WS	26.49	26.22	0.27	0.01			891.36		40.91
Hempstead Lake	11797.46	Max WS	26.48	26.12	0.36	0.01			891.36		36.66
Hempstead Lake	11792.46	Max WS	26.48	26.20	0.27				891.36		44.06
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	24.43	22.74	1.69	0.07			891.36		33.46
Hempstead Lake	11627.46	Max WS	24.58	22.66	1.91	0.08			891.36		31.41
Hempstead Lake	11623.2*	Max WS	25.17	22.57	2.60	0.14			891.36		29.52
Hempstead Lake	11619.1*	Max WS	25.47	22.43	3.04	0.03			891.36		28.41
Hempstead Lake	11614.94	Max WS	22.37	22.33	0.04	0.00			126.21		30.35
Hempstead Lake	11612.94	Max WS	22.37	22.32	0.04	0.00			126.26		30.35
Hempstead Lake	11606.9*	Max WS	22.36	22.32	0.04	0.00			125.58		30.33
Hempstead Lake	11600.94	Max WS	22.36	22.32	0.04	0.00			125.09		30.33
Hempstead Lake	11598.94	Max WS	22.36	22.32	0.04	0.00			124.82		30.33
Hempstead Lake	11573.9*	Max WS	22.35	22.34	0.01	0.00			131.20		54.13
Hempstead Lake	11548.9*	Max WS	22.35	22.35	0.01	0.00			132.51		77.86
Hempstead Lake	11523.9*	Max WS	22.35	22.35	0.00	0.00			132.92		101.63
Hempstead Lake	11498.9*	Max WS	22.35	22.35	0.00	0.00			133.28		125.53
Hempstead Lake	11473.9*	Max WS	22.35	22.35	0.00	0.00			133.22		149.82
Hempstead Lake	11448.9*	Max WS	22.35	22.35	0.00	0.00			133.16		174.22
Hempstead Lake	11423.9*	Max WS	22.35	22.35	0.00	0.00			133.28		198.66
Hempstead Lake	11398.9*	Max WS	22.35	22.35	0.00	0.00			133.34		223.26
Hempstead Lake	11373.9*	Max WS	22.35	22.35	0.00	0.00			132.86		247.99
Hempstead Lake	11349.*	Max WS	22.35	22.35	0.00	0.00			133.10		272.84
Hempstead Lake	11324.*	Max WS	22.35	22.35	0.00	0.00			133.10		297.95
Hempstead Lake	11299.0*	Max WS	22.35	22.35	0.00	0.00			133.04		323.31
Hempstead Lake	11274.0*	Max WS	22.35	22.35	0.00	0.00			132.86		348.99
Hempstead Lake	11249.0*	Max WS	22.35	22.35	0.00	0.00			132.98		375.17
Hempstead Lake	11224.0*	Max WS	22.35	22.35	0.00	0.00			132.98		401.71
Hempstead Lake	11199.0*	Max WS	22.35	22.35	0.00	0.00			132.92		427.11
Hempstead Lake	11174.0*	Max WS	22.35	22.35	0.00	0.00			132.86		470.57
Hempstead Lake	11149.0*	Max WS	22.35	22.35	0.00	0.00		1.78	130.85		745.25
Hempstead Lake	11124.0*	Max WS	22.35	22.35	0.00	0.00		18.72	114.08		1083.25
Hempstead Lake	11099.0*	Max WS	22.35	22.35	0.00	0.00		46.00	86.74		1294.12
Hempstead Lake	11074.0*	Max WS	22.35	22.35	0.00	0.00		69.72	63.13		1471.13
Hempstead Lake	11049.07	Max WS	22.35	22.35	0.00	0.00		59.16	73.64		1545.42

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	22.35	22.35	0.00	0.00		78.24	54.50		1525.91
Hempstead Lake	11027.7*	Max WS	22.35	22.35	0.00	0.00		66.69	66.00		1506.75
Hempstead Lake	11017.0*	Max WS	22.35	22.35	0.00	0.00		53.89	78.90		1486.56
Hempstead Lake	11006.4*	Max WS	22.35	22.35	0.00	0.00		40.18	92.62		1309.13
Hempstead Lake	10995.7*	Max WS	22.35	22.35	0.00	0.00		25.59	107.15		1239.57
Hempstead Lake	10985.0*	Max WS	22.35	22.35	0.00	0.00		12.05	120.69		1177.33
Hempstead Lake	10974.4*	Max WS	22.35	22.35	0.00	0.00		3.73	128.95		1022.37
Hempstead Lake	10963.7*	Max WS	22.35	22.35	0.00	0.00		0.23	132.45		867.29
Hempstead Lake	10953.1*	Max WS	22.35	22.35	0.00	0.00			132.63		645.47
Hempstead Lake	10942.4*	Max WS	22.35	22.35	0.00	0.00			132.68		617.08
Hempstead Lake	10931.7*	Max WS	22.35	22.35	0.00	0.00			132.58		606.62
Hempstead Lake	10921.1*	Max WS	22.35	22.35	0.00	0.00			132.68		595.58
Hempstead Lake	10910.4*	Max WS	22.35	22.35	0.00	0.00			132.68		587.00
Hempstead Lake	10899.7*	Max WS	22.35	22.35	0.00	0.00			132.53		579.99
Hempstead Lake	10889.1*	Max WS	22.35	22.35	0.00	0.00			132.63		575.85
Hempstead Lake	10878.4*	Max WS	22.35	22.35	0.00	0.00			132.58		573.10
Hempstead Lake	10867.8*	Max WS	22.35	22.35	0.00	0.00			132.58		571.68
Hempstead Lake	10857.1*	Max WS	22.35	22.35	0.00	0.00			132.68		570.67
Hempstead Lake	10846.4*	Max WS	22.35	22.35	0.00	0.00			132.68		570.57
Hempstead Lake	10835.8*	Max WS	22.35	22.35	0.00	0.00			132.67		570.81
Hempstead Lake	10825.1*	Max WS	22.35	22.35	0.00	0.00			132.67		571.31
Hempstead Lake	10814.4*	Max WS	22.35	22.35	0.00	0.00			132.67		572.48
Hempstead Lake	10803.8*	Max WS	22.35	22.35	0.00	0.00			132.67		573.97
Hempstead Lake	10793.1*	Max WS	22.35	22.35	0.00	0.00			132.67		575.76
Hempstead Lake	10782.4*	Max WS	22.35	22.35	0.00	0.00			132.62		577.65
Hempstead Lake	10771.8*	Max WS	22.35	22.35	0.00	0.00			132.57		579.62
Hempstead Lake	10761.1*	Max WS	22.35	22.35	0.00	0.00			132.53		582.14
Hempstead Lake	10750.5*	Max WS	22.35	22.35	0.00	0.00			132.52		584.60
Hempstead Lake	10739.8*	Max WS	22.35	22.35	0.00	0.00			132.62		587.46
Hempstead Lake	10729.1*	Max WS	22.35	22.35	0.00	0.00			132.62		590.33
Hempstead Lake	10718.5*	Max WS	22.35	22.35	0.00	0.00			132.57		593.40
Hempstead Lake	10707.8*	Max WS	22.35	22.35	0.00	0.00			132.66		596.71
Hempstead Lake	10697.1*	Max WS	22.35	22.35	0.00	0.00			132.43		599.83
Hempstead Lake	10686.5*	Max WS	22.35	22.35	0.00	0.00			132.57		603.35
Hempstead Lake	10675.8*	Max WS	22.35	22.35	0.00	0.00			132.61		606.89
Hempstead Lake	10665.2*	Max WS	22.35	22.35	0.00	0.00			132.48		610.49
Hempstead Lake	10654.5*	Max WS	22.35	22.35	0.00	0.00			132.61		614.10
Hempstead Lake	10643.8*	Max WS	22.35	22.35	0.00	0.00			132.61		617.87
Hempstead Lake	10633.2*	Max WS	22.35	22.35	0.00	0.00			132.57		621.78
Hempstead Lake	10622.5*	Max WS	22.35	22.35	0.00	0.00			132.61		625.67
Hempstead Lake	10611.8*	Max WS	22.35	22.35	0.00	0.00			132.43		629.47
Hempstead Lake	10601.2*	Max WS	22.35	22.35	0.00	0.00			132.70		633.54
Hempstead Lake	10590.5*	Max WS	22.35	22.35	0.00	0.00			132.70		637.59
Hempstead Lake	10579.8*	Max WS	22.35	22.35	0.00	0.00			132.56		641.78
Hempstead Lake	10569.23	Max WS	22.35	22.35	0.00	0.00			132.61		645.83
Hempstead Lake	10549.1*	Max WS	22.35	22.35	0.00	0.00			132.61		645.71
Hempstead Lake	10529.0*	Max WS	22.35	22.35	0.00	0.00			132.52		645.84
Hempstead Lake	10508.9*	Max WS	22.35	22.35	0.00	0.00			132.47		645.91
Hempstead Lake	10488.7*	Max WS	22.35	22.35	0.00	0.00			132.65		646.09
Hempstead Lake	10468.6*	Max WS	22.35	22.35	0.00	0.00			132.61		646.63
Hempstead Lake	10448.5*	Max WS	22.35	22.35	0.00	0.00			132.56		647.13
Hempstead Lake	10428.4*	Max WS	22.35	22.35	0.00	0.00			132.52		647.84
Hempstead Lake	10408.3*	Max WS	22.35	22.35	0.00	0.00			132.52		648.66
Hempstead Lake	10388.2*	Max WS	22.35	22.35	0.00	0.00			132.60		649.64
Hempstead Lake	10368.1*	Max WS	22.35	22.35	0.00	0.00			132.60		651.03
Hempstead Lake	10348.0*	Max WS	22.35	22.35	0.00	0.00			132.52		652.38
Hempstead Lake	10327.9*	Max WS	22.35	22.35	0.00	0.00			132.47		653.99
Hempstead Lake	10307.8*	Max WS	22.35	22.35	0.00	0.00			132.69		656.02
Hempstead Lake	10287.7*	Max WS	22.35	22.35	0.00	0.00			132.60		658.18
Hempstead Lake	10267.6*	Max WS	22.35	22.35	0.00	0.00			132.60		660.79
Hempstead Lake	10247.4*	Max WS	22.35	22.35	0.00	0.00			132.52		663.58
Hempstead Lake	10227.3*	Max WS	22.35	22.35	0.00	0.00			132.48		666.77
Hempstead Lake	10207.2*	Max WS	22.35	22.35	0.00	0.00			132.51		670.45
Hempstead Lake	10187.1*	Max WS	22.35	22.35	0.00	0.00			132.64		674.62
Hempstead Lake	10167.0*	Max WS	22.35	22.35	0.00	0.00			132.68		679.54
Hempstead Lake	10146.9*	Max WS	22.35	22.35	0.00	0.00			132.72		685.17
Hempstead Lake	10126.8*	Max WS	22.35	22.35	0.00	0.00			132.64		691.86
Hempstead Lake	10106.7*	Max WS	22.35	22.35	0.00	0.00			132.68		698.92
Hempstead Lake	10086.6*	Max WS	22.35	22.35	0.00	0.00			132.56		707.05
Hempstead Lake	10066.5*	Max WS	22.35	22.35	0.00	0.00			132.64		716.71
Hempstead Lake	10046.4*	Max WS	22.35	22.35	0.00	0.00			132.63		729.07
Hempstead Lake	10026.2*	Max WS	22.35	22.35	0.00	0.00			132.44		744.31

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	22.35	22.35	0.00	0.00			132.63		762.37
Hempstead Lake	9986.073	Max WS	22.35	22.35	0.00	0.00			132.59		762.93
Hempstead Lake	9965.77*	Max WS	22.35	22.35	0.00	0.00			132.63		760.74
Hempstead Lake	9945.47*	Max WS	22.35	22.35	0.00	0.00			132.71		758.65
Hempstead Lake	9925.18*	Max WS	22.35	22.35	0.00	0.00			132.59		756.44
Hempstead Lake	9904.88*	Max WS	22.35	22.35	0.00	0.00			132.51		754.47
Hempstead Lake	9884.59*	Max WS	22.35	22.35	0.00	0.00			132.59		752.59
Hempstead Lake	9864.29*	Max WS	22.35	22.35	0.00	0.00			132.67		750.79
Hempstead Lake	9843.99*	Max WS	22.35	22.35	0.00	0.00			132.63		748.90
Hempstead Lake	9823.7*	Max WS	22.35	22.35	0.00	0.00			132.47		747.28
Hempstead Lake	9803.40*	Max WS	22.35	22.35	0.00	0.00			132.66		745.77
Hempstead Lake	9783.10*	Max WS	22.35	22.35	0.00	0.00			132.59		744.43
Hempstead Lake	9762.81*	Max WS	22.35	22.35	0.00	0.00			132.70		743.14
Hempstead Lake	9742.51*	Max WS	22.35	22.35	0.00	0.00			132.55		742.23
Hempstead Lake	9722.21*	Max WS	22.35	22.35	0.00	0.00			132.51		741.55
Hempstead Lake	9701.92*	Max WS	22.35	22.35	0.00	0.00			132.62		741.08
Hempstead Lake	9681.62*	Max WS	22.35	22.35	0.00	0.00			132.55		740.70
Hempstead Lake	9661.32*	Max WS	22.35	22.35	0.00	0.00			132.70		740.88
Hempstead Lake	9641.03*	Max WS	22.35	22.35	0.00	0.00			132.62		741.33
Hempstead Lake	9620.73*	Max WS	22.35	22.35	0.00	0.00			132.55		742.30
Hempstead Lake	9600.43*	Max WS	22.35	22.35	0.00	0.00			132.66		743.34
Hempstead Lake	9580.14*	Max WS	22.35	22.35	0.00	0.00			132.66		745.07
Hempstead Lake	9559.84*	Max WS	22.35	22.35	0.00	0.00			132.62		747.74
Hempstead Lake	9539.54*	Max WS	22.35	22.35	0.00	0.00			132.58		748.92
Hempstead Lake	9519.25*	Max WS	22.35	22.35	0.00	0.00			132.66		746.32
Hempstead Lake	9498.95*	Max WS	22.35	22.35	0.00	0.00			132.62		743.55
Hempstead Lake	9478.65*	Max WS	22.35	22.35	0.00	0.00			132.62		740.65
Hempstead Lake	9458.36*	Max WS	22.35	22.35	0.00	0.00			132.62		737.74
Hempstead Lake	9438.06*	Max WS	22.35	22.35	0.00	0.00			132.51		734.65
Hempstead Lake	9417.76*	Max WS	22.35	22.35	0.00	0.00			132.55		731.52
Hempstead Lake	9397.47*	Max WS	22.35	22.35	0.00	0.00			132.65		728.25
Hempstead Lake	9377.17*	Max WS	22.35	22.35	0.00	0.00			132.65		724.95
Hempstead Lake	9356.87*	Max WS	22.35	22.35	0.00	0.00			132.62		721.49
Hempstead Lake	9336.58*	Max WS	22.35	22.35	0.00	0.00			132.61		717.96
Hempstead Lake	9316.28*	Max WS	22.35	22.35	0.00	0.00			132.58		714.38
Hempstead Lake	9295.98*	Max WS	22.35	22.35	0.00	0.00			132.68		710.67
Hempstead Lake	9275.69*	Max WS	22.35	22.35	0.00	0.00			132.68		706.95
Hempstead Lake	9255.39*	Max WS	22.35	22.35	0.00	0.00			132.71		703.12
Hempstead Lake	9235.09*	Max WS	22.35	22.35	0.00	0.00			132.65		699.17
Hempstead Lake	9214.80*	Max WS	22.35	22.35	0.00	0.00			132.61		695.23
Hempstead Lake	9194.50*	Max WS	22.35	22.35	0.00	0.00			132.64		691.15
Hempstead Lake	9174.20*	Max WS	22.35	22.35	0.00	0.00			132.61		687.02
Hempstead Lake	9153.910	Max WS	22.35	22.35	0.00	0.00			132.61		682.82
Hempstead Lake	9133.22*	Max WS	22.35	22.35	0.00	0.00			136.67		685.10
Hempstead Lake	9112.54*	Max WS	22.35	22.35	0.00	0.00			136.57		687.22
Hempstead Lake	9091.85*	Max WS	22.35	22.35	0.00	0.00			136.57		689.29
Hempstead Lake	9071.17*	Max WS	22.35	22.35	0.00	0.00			136.54		690.34
Hempstead Lake	9050.49*	Max WS	22.35	22.35	0.00	0.00			136.54		691.24
Hempstead Lake	9029.80*	Max WS	22.35	22.35	0.00	0.00			136.64		691.99
Hempstead Lake	9009.12*	Max WS	22.35	22.35	0.00	0.00			136.57		692.49
Hempstead Lake	8988.44*	Max WS	22.35	22.35	0.00	0.00			136.60		692.97
Hempstead Lake	8967.75*	Max WS	22.35	22.35	0.00	0.00			136.54		693.10
Hempstead Lake	8947.07*	Max WS	22.35	22.35	0.00	0.00			136.60		693.11
Hempstead Lake	8926.39*	Max WS	22.35	22.35	0.00	0.00			136.63		692.88
Hempstead Lake	8905.70*	Max WS	22.35	22.35	0.00	0.00			136.60		692.48
Hempstead Lake	8885.02*	Max WS	22.35	22.35	0.00	0.00			136.63		691.74
Hempstead Lake	8864.33*	Max WS	22.35	22.35	0.00	0.00			136.63		690.62
Hempstead Lake	8843.65*	Max WS	22.35	22.35	0.00	0.00			136.63		690.06
Hempstead Lake	8822.97*	Max WS	22.35	22.35	0.00	0.00			136.54		689.41
Hempstead Lake	8802.28*	Max WS	22.35	22.35	0.00	0.00			136.63		688.68
Hempstead Lake	8781.60*	Max WS	22.35	22.35	0.00	0.00			136.60		687.89
Hempstead Lake	8760.92*	Max WS	22.35	22.35	0.00	0.00			136.56		686.85
Hempstead Lake	8740.23*	Max WS	22.35	22.35	0.00	0.00			136.60		681.50
Hempstead Lake	8719.55*	Max WS	22.35	22.35	0.00	0.00			136.66		676.74
Hempstead Lake	8698.86*	Max WS	22.35	22.35	0.00	0.00			136.59		672.75
Hempstead Lake	8678.18*	Max WS	22.35	22.35	0.00	0.00			136.62		669.20
Hempstead Lake	8657.50*	Max WS	22.35	22.35	0.00	0.00			136.59		666.08
Hempstead Lake	8636.81*	Max WS	22.35	22.35	0.00	0.00			136.65		663.39
Hempstead Lake	8616.13*	Max WS	22.35	22.35	0.00	0.00			136.62		660.87
Hempstead Lake	8595.45*	Max WS	22.35	22.35	0.00	0.00			136.59		658.77
Hempstead Lake	8574.76*	Max WS	22.35	22.35	0.00	0.00			136.62		656.60
Hempstead Lake	8554.08*	Max WS	22.35	22.35	0.00	0.00			136.62		654.90

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	22.35	22.35	0.00	0.00			136.51		653.30
Hempstead Lake	8512.71*	Max WS	22.35	22.35	0.00	0.00			136.65		651.89
Hempstead Lake	8492.03*	Max WS	22.35	22.35	0.00	0.00			136.65		650.59
Hempstead Lake	8471.34*	Max WS	22.35	22.35	0.00	0.00			136.62		649.44
Hempstead Lake	8450.66*	Max WS	22.35	22.35	0.00	0.00			136.59		648.39
Hempstead Lake	8429.980	Max WS	22.35	22.35	0.00	0.00			136.59		647.30
Hempstead Lake	8416.34*	Max WS	22.35	22.35	0.00	0.00			136.59		651.67
Hempstead Lake	8402.71*	Max WS	22.35	22.35	0.00	0.00			136.56		656.24
Hempstead Lake	8389.07*	Max WS	22.35	22.35	0.00	0.00			136.59		660.88
Hempstead Lake	8375.44*	Max WS	22.35	22.35	0.00	0.00			136.61		665.81
Hempstead Lake	8361.81*	Max WS	22.35	22.35	0.00	0.00			136.59		670.72
Hempstead Lake	8348.17*	Max WS	22.35	22.35	0.00	0.00			136.56		675.81
Hempstead Lake	8334.54*	Max WS	22.35	22.35	0.00	0.00			136.59		681.04
Hempstead Lake	8320.91*	Max WS	22.35	22.35	0.00	0.00			136.59		686.51
Hempstead Lake	8307.27*	Max WS	22.35	22.35	0.00	0.00			136.59		692.09
Hempstead Lake	8293.64*	Max WS	22.35	22.35	0.00	0.00			136.58		698.03
Hempstead Lake	8280.00*	Max WS	22.35	22.35	0.00	0.00			136.58		703.22
Hempstead Lake	8266.37*	Max WS	22.35	22.35	0.00	0.00			136.61		708.25
Hempstead Lake	8252.74*	Max WS	22.35	22.35	0.00	0.00			136.58		713.35
Hempstead Lake	8239.10*	Max WS	22.35	22.35	0.00	0.00			136.61		718.39
Hempstead Lake	8225.47*	Max WS	22.35	22.35	0.00	0.00			136.58		723.48
Hempstead Lake	8211.84*	Max WS	22.35	22.35	0.00	0.00			136.58		728.54
Hempstead Lake	8198.20*	Max WS	22.35	22.35	0.00	0.00			136.61		733.79
Hempstead Lake	8184.57*	Max WS	22.35	22.35	0.00	0.00			136.61		738.83
Hempstead Lake	8170.93*	Max WS	22.35	22.35	0.00	0.00			136.58		743.98
Hempstead Lake	8157.30*	Max WS	22.35	22.35	0.00	0.00			136.60		749.10
Hempstead Lake	8143.67*	Max WS	22.35	22.35	0.00	0.00			136.63		754.27
Hempstead Lake	8130.03*	Max WS	22.35	22.35	0.00	0.00			136.60		759.37
Hempstead Lake	8116.40*	Max WS	22.35	22.35	0.00	0.00			136.63		764.72
Hempstead Lake	8102.76*	Max WS	22.35	22.35	0.00	0.00			136.63		769.90
Hempstead Lake	8089.13*	Max WS	22.35	22.35	0.00	0.00			136.63		775.04
Hempstead Lake	8075.50*	Max WS	22.35	22.35	0.00	0.00			136.63		780.31
Hempstead Lake	8061.86*	Max WS	22.35	22.35	0.00	0.00			136.65		785.57
Hempstead Lake	8048.23*	Max WS	22.35	22.35	0.00	0.00			136.63		790.80
Hempstead Lake	8034.6*	Max WS	22.35	22.35	0.00	0.00			136.65		796.11
Hempstead Lake	8020.96*	Max WS	22.35	22.35	0.00	0.00			136.65		801.65
Hempstead Lake	8007.33*	Max WS	22.35	22.35	0.00	0.00			136.54		806.94
Hempstead Lake	7993.69*	Max WS	22.35	22.35	0.00	0.00			136.65		812.37
Hempstead Lake	7980.06*	Max WS	22.35	22.35	0.00	0.00			136.56		817.81
Hempstead Lake	7966.43*	Max WS	22.35	22.35	0.00	0.00			136.56		823.31
Hempstead Lake	7952.79*	Max WS	22.35	22.35	0.00	0.00			136.60		828.73
Hempstead Lake	7939.16*	Max WS	22.35	22.35	0.00	0.00			136.60		834.47
Hempstead Lake	7925.53*	Max WS	22.35	22.35	0.00	0.00			136.60		840.10
Hempstead Lake	7911.89*	Max WS	22.35	22.35	0.00	0.00			136.58		845.65
Hempstead Lake	7898.26*	Max WS	22.35	22.35	0.00	0.00			136.58		851.37
Hempstead Lake	7884.62*	Max WS	22.35	22.35	0.00	0.00			136.58		857.11
Hempstead Lake	7870.99*	Max WS	22.35	22.35	0.00	0.00			136.62		862.83
Hempstead Lake	7857.36*	Max WS	22.35	22.35	0.00	0.00			136.62		868.69
Hempstead Lake	7843.72*	Max WS	22.35	22.35	0.00	0.00			136.62		874.84
Hempstead Lake	7830.09*	Max WS	22.35	22.35	0.00	0.00			136.64		880.72
Hempstead Lake	7816.45*	Max WS	22.35	22.35	0.00	0.00			136.62		887.32
Hempstead Lake	7802.82*	Max WS	22.35	22.35	0.00	0.00			136.64		893.99
Hempstead Lake	7789.19*	Max WS	22.35	22.35	0.00	0.00			136.62		900.73
Hempstead Lake	7775.55*	Max WS	22.35	22.35	0.00	0.00			136.64		907.40
Hempstead Lake	7761.92*	Max WS	22.35	22.35	0.00	0.00			136.62		914.50
Hempstead Lake	7748.29*	Max WS	22.35	22.35	0.00	0.00			136.66		921.47
Hempstead Lake	7734.65*	Max WS	22.35	22.35	0.00	0.00			136.62		928.33
Hempstead Lake	7721.02*	Max WS	22.35	22.35	0.00	0.00			136.64		935.50
Hempstead Lake	7707.38*	Max WS	22.35	22.35	0.00	0.00			136.63		942.81
Hempstead Lake	7693.75*	Max WS	22.35	22.35	0.00	0.00			136.57		950.14
Hempstead Lake	7680.12*	Max WS	22.35	22.35	0.00	0.00			136.56		957.75
Hempstead Lake	7666.48*	Max WS	22.35	22.35	0.00	0.00			136.56		965.67
Hempstead Lake	7652.85*	Max WS	22.35	22.35	0.00	0.00			136.56		973.51
Hempstead Lake	7639.22*	Max WS	22.35	22.35	0.00	0.00			136.55		981.70
Hempstead Lake	7625.58*	Max WS	22.35	22.35	0.00	0.00			136.59		989.77
Hempstead Lake	7611.95*	Max WS	22.35	22.35	0.00	0.00			136.61		998.42
Hempstead Lake	7598.31*	Max WS	22.35	22.35	0.00	0.00			136.59		1007.29
Hempstead Lake	7584.68*	Max WS	22.35	22.35	0.00	0.00			136.59		1016.34
Hempstead Lake	7571.05*	Max WS	22.35	22.35	0.00	0.00			136.61		1023.01
Hempstead Lake	7557.41*	Max WS	22.35	22.35	0.00	0.00			136.61		1027.49
Hempstead Lake	7543.783	Max WS	22.35	22.35	0.00	0.00			136.59		1030.71
Hempstead Lake	7530.03*	Max WS	22.35	22.35	0.00	0.00			141.59		1032.08

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	22.35	22.35	0.00	0.00			141.57		1032.38
Hempstead Lake	7502.53*	Max WS	22.35	22.35	0.00	0.00			141.55		1031.83
Hempstead Lake	7488.79*	Max WS	22.35	22.35	0.00	0.00			141.59		1029.53
Hempstead Lake	7475.04*	Max WS	22.35	22.35	0.00	0.00			141.55		1027.94
Hempstead Lake	7461.29*	Max WS	22.35	22.35	0.00	0.00			141.57		1027.14
Hempstead Lake	7447.54*	Max WS	22.35	22.35	0.00	0.00			141.57		1026.78
Hempstead Lake	7433.79*	Max WS	22.35	22.35	0.00	0.00			141.57		1026.85
Hempstead Lake	7420.04*	Max WS	22.35	22.35	0.00	0.00			141.56		1027.28
Hempstead Lake	7406.3*	Max WS	22.35	22.35	0.00	0.00			141.58		1028.05
Hempstead Lake	7392.55*	Max WS	22.35	22.35	0.00	0.00			141.60		1029.11
Hempstead Lake	7378.80*	Max WS	22.35	22.35	0.00	0.00			141.57		1028.24
Hempstead Lake	7365.05*	Max WS	22.35	22.35	0.00	0.00			141.59		1026.79
Hempstead Lake	7351.30*	Max WS	22.35	22.35	0.00	0.00			141.58		1025.90
Hempstead Lake	7337.55*	Max WS	22.35	22.35	0.00	0.00			141.58		1024.83
Hempstead Lake	7323.81*	Max WS	22.35	22.35	0.00	0.00			141.60		1023.89
Hempstead Lake	7310.06*	Max WS	22.35	22.35	0.00	0.00			141.57		1022.75
Hempstead Lake	7296.31*	Max WS	22.35	22.35	0.00	0.00			141.58		1021.99
Hempstead Lake	7282.56*	Max WS	22.35	22.35	0.00	0.00			141.58		1024.03
Hempstead Lake	7268.81*	Max WS	22.35	22.35	0.00	0.00			141.57		1027.14
Hempstead Lake	7255.06*	Max WS	22.35	22.35	0.00	0.00			141.55		1030.55
Hempstead Lake	7241.32*	Max WS	22.35	22.35	0.00	0.00			141.57		1034.31
Hempstead Lake	7227.57*	Max WS	22.35	22.35	0.00	0.00			141.57		1037.03
Hempstead Lake	7213.82*	Max WS	22.35	22.35	0.00	0.00			141.57		1037.88
Hempstead Lake	7200.07*	Max WS	22.35	22.35	0.00	0.00			141.56		1038.76
Hempstead Lake	7186.32*	Max WS	22.35	22.35	0.00	0.00			141.58		1039.64
Hempstead Lake	7172.57*	Max WS	22.35	22.35	0.00	0.00			141.59		1040.51
Hempstead Lake	7158.83*	Max WS	22.35	22.35	0.00	0.00			141.59		1041.31
Hempstead Lake	7145.08*	Max WS	22.35	22.35	0.00	0.00			141.58		1042.13
Hempstead Lake	7131.33*	Max WS	22.35	22.35	0.00	0.00			141.58		1042.94
Hempstead Lake	7117.58*	Max WS	22.35	22.35	0.00	0.00			141.59		1043.76
Hempstead Lake	7103.83*	Max WS	22.35	22.35	0.00	0.00			141.59		1044.54
Hempstead Lake	7090.08*	Max WS	22.35	22.35	0.00	0.00			141.58		1046.30
Hempstead Lake	7076.34*	Max WS	22.35	22.35	0.00	0.00			141.58		1048.17
Hempstead Lake	7062.59*	Max WS	22.35	22.35	0.00	0.00			141.58		1049.87
Hempstead Lake	7048.84*	Max WS	22.35	22.35	0.00	0.00			141.57		1051.64
Hempstead Lake	7035.09*	Max WS	22.35	22.35	0.00	0.00			141.60		1053.50
Hempstead Lake	7021.34*	Max WS	22.35	22.35	0.00	0.00			141.58		1055.24
Hempstead Lake	7007.6*	Max WS	22.35	22.35	0.00	0.00			141.57		1056.97
Hempstead Lake	6993.85*	Max WS	22.35	22.35	0.00	0.00			141.57		1058.80
Hempstead Lake	6980.10*	Max WS	22.35	22.35	0.00	0.00			141.58		1060.55
Hempstead Lake	6966.35*	Max WS	22.35	22.35	0.00	0.00			141.58		1062.27
Hempstead Lake	6952.60*	Max WS	22.35	22.35	0.00	0.00			141.57		1064.07
Hempstead Lake	6938.85*	Max WS	22.35	22.35	0.00	0.00			141.58		1065.78
Hempstead Lake	6925.11*	Max WS	22.35	22.35	0.00	0.00			141.59		1067.50
Hempstead Lake	6911.36*	Max WS	22.35	22.35	0.00	0.00			141.59		1069.31
Hempstead Lake	6897.61*	Max WS	22.35	22.35	0.00	0.00			141.58		1070.98
Hempstead Lake	6883.86*	Max WS	22.35	22.35	0.00	0.00			141.59		1072.68
Hempstead Lake	6870.11*	Max WS	22.35	22.35	0.00	0.00			141.57		1074.45
Hempstead Lake	6856.36*	Max WS	22.35	22.35	0.00	0.00			141.58		1076.11
Hempstead Lake	6842.62*	Max WS	22.35	22.35	0.00	0.00			141.59		1077.76
Hempstead Lake	6828.87*	Max WS	22.35	22.35	0.00	0.00			141.58		1079.52
Hempstead Lake	6815.12*	Max WS	22.35	22.35	0.00	0.00			141.58		1081.17
Hempstead Lake	6801.37*	Max WS	22.35	22.35	0.00	0.00			141.56		1082.80
Hempstead Lake	6787.62*	Max WS	22.35	22.35	0.00	0.00			141.58		1084.53
Hempstead Lake	6773.87*	Max WS	22.35	22.35	0.00	0.00			141.57		1086.14
Hempstead Lake	6760.13*	Max WS	22.35	22.35	0.00	0.00			141.57		1087.77
Hempstead Lake	6746.38*	Max WS	22.35	22.35	0.00	0.00			141.58		1089.41
Hempstead Lake	6732.634	Max WS	22.35	22.35	0.00	0.00			141.57		1091.02
Hempstead Lake	6718.98*	Max WS	22.35	22.35	0.00	0.00			141.57		1088.46
Hempstead Lake	6705.33*	Max WS	22.35	22.35	0.00	0.00			141.57		1086.08
Hempstead Lake	6691.68*	Max WS	22.35	22.35	0.00	0.00			141.56		1083.79
Hempstead Lake	6678.03*	Max WS	22.35	22.35	0.00	0.00			141.57		1081.69
Hempstead Lake	6664.38*	Max WS	22.35	22.35	0.00	0.00			141.57		1079.64
Hempstead Lake	6650.72*	Max WS	22.35	22.35	0.00	0.00			141.55		1077.64
Hempstead Lake	6637.07*	Max WS	22.35	22.35	0.00	0.00			141.55		1075.68
Hempstead Lake	6623.42*	Max WS	22.35	22.35	0.00	0.00			141.55		1073.74
Hempstead Lake	6609.77*	Max WS	22.35	22.35	0.00	0.00			141.58		1071.82
Hempstead Lake	6596.12*	Max WS	22.35	22.35	0.00	0.00			141.57		1069.94
Hempstead Lake	6582.47*	Max WS	22.35	22.35	0.00	0.00			141.57		1067.92
Hempstead Lake	6568.82*	Max WS	22.35	22.35	0.00	0.00			141.57		1065.64
Hempstead Lake	6555.17*	Max WS	22.35	22.35	0.00	0.00			141.57		1063.19
Hempstead Lake	6541.52*	Max WS	22.35	22.35	0.00	0.00			141.56		1060.68

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	22.35	22.35	0.00	0.00			141.56		1058.13
Hempstead Lake	6514.22*	Max WS	22.35	22.35	0.00	0.00			141.56		1055.54
Hempstead Lake	6500.57*	Max WS	22.35	22.35	0.00	0.00			141.55		1052.76
Hempstead Lake	6486.91*	Max WS	22.35	22.35	0.00	0.00			141.55		1049.86
Hempstead Lake	6473.26*	Max WS	22.35	22.35	0.00	0.00			141.57		1046.83
Hempstead Lake	6459.61*	Max WS	22.35	22.35	0.00	0.00			141.56		1043.54
Hempstead Lake	6445.96*	Max WS	22.35	22.35	0.00	0.00			141.56		1031.15
Hempstead Lake	6432.31*	Max WS	22.35	22.35	0.00	0.00			141.56		1015.18
Hempstead Lake	6418.66*	Max WS	22.35	22.35	0.00	0.00			141.55		1002.23
Hempstead Lake	6405.01*	Max WS	22.35	22.35	0.00	0.00			141.56		993.67
Hempstead Lake	6391.36*	Max WS	22.35	22.35	0.00	0.00			141.56		984.73
Hempstead Lake	6377.71*	Max WS	22.35	22.35	0.00	0.00			141.56		975.27
Hempstead Lake	6364.06*	Max WS	22.35	22.35	0.00	0.00			141.55		965.71
Hempstead Lake	6350.41*	Max WS	22.35	22.35	0.00	0.00			141.55		955.96
Hempstead Lake	6336.76*	Max WS	22.35	22.35	0.00	0.00			141.56		945.74
Hempstead Lake	6323.11*	Max WS	22.35	22.35	0.00	0.00			141.56		934.98
Hempstead Lake	6309.45*	Max WS	22.35	22.35	0.00	0.00			141.55		923.52
Hempstead Lake	6295.80*	Max WS	22.35	22.35	0.00	0.00			141.55		911.39
Hempstead Lake	6282.15*	Max WS	22.35	22.35	0.00	0.00			141.56		898.40
Hempstead Lake	6268.507	Max WS	22.35	22.35	0.00	0.00			141.56		884.50
Hempstead Lake	6259.72*	Max WS	22.35	22.35	0.00	0.00			141.55		901.56
Hempstead Lake	6250.93*	Max WS	22.35	22.35	0.00	0.00			141.55		905.79
Hempstead Lake	6242.14*	Max WS	22.35	22.35	0.00	0.00			141.55		924.04
Hempstead Lake	6233.35*	Max WS	22.35	22.35	0.00	0.00			141.56		966.46
Hempstead Lake	6224.57*	Max WS	22.35	22.35	0.00	0.00			141.55		1009.92
Hempstead Lake	6215.78*	Max WS	22.35	22.35	0.00	0.00			141.55		1053.52
Hempstead Lake	6206.99*	Max WS	22.35	22.35	0.00	0.00			141.55		1097.17
Hempstead Lake	6198.21*	Max WS	22.35	22.35	0.00	0.00			141.55		1140.61
Hempstead Lake	6189.42*	Max WS	22.35	22.35	0.00	0.00			141.55		1183.95
Hempstead Lake	6180.638	Max WS	22.35	22.35	0.00	0.00			141.55		1227.09
Hempstead Lake	6177.638	Max WS	22.35	22.35	0.00				141.55		1225.90
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	15.14	14.96	0.18	0.02			141.55		10.00
Hempstead Lake	5930.638	Max WS	15.12	14.93	0.18	0.02			141.55		10.00
Hempstead Lake	5880.638	Max WS	15.10	14.91	0.18	0.02			141.55		10.00
Hempstead Lake	5830.638	Max WS	15.08	14.89	0.19	0.02			141.55		10.00
Hempstead Lake	5780.638	Max WS	15.06	14.87	0.19	0.02			141.55		10.00
Hempstead Lake	5730.638	Max WS	15.03	14.84	0.19	0.02			141.55		10.00
Hempstead Lake	5680.638	Max WS	15.01	14.82	0.19	0.02			141.55		10.00
Hempstead Lake	5630.638	Max WS	14.99	14.80	0.19	0.02			141.55		10.00
Hempstead Lake	5580.638	Max WS	14.97	14.77	0.20	0.02			141.55		10.00
Hempstead Lake	5530.638	Max WS	14.95	14.75	0.20	0.02			141.55		10.00
Hempstead Lake	5480.638	Max WS	14.92	14.72	0.20	0.04			141.55		10.00
Hempstead Lake	5430.638	Max WS	14.84	14.79	0.06	0.03			141.55		11.00
Hempstead Lake	5380.638	Max WS	14.78	14.73	0.06	0.04			141.55		11.00
Hempstead Lake	5330.638	Max WS	14.72	14.66	0.06	0.06			141.55		11.00
Hempstead Lake	5307.48*	Max WS	14.66	14.59	0.07	0.08			141.55		10.00
Hempstead Lake	5284.32*	Max WS	14.59	14.50	0.09	0.11			141.54		9.00
Hempstead Lake	5261.17*	Max WS	14.48	14.36	0.11	0.16			141.53		8.00
Hempstead Lake	5238.01*	Max WS	14.32	14.16	0.15	0.27			141.36		7.00
Hempstead Lake	5214.85*	Max WS	14.02	13.98	0.04	0.06			141.22		151.89
Hempstead Lake	5191.70*	Max WS	13.82	13.81	0.01	0.01			141.15		192.17
Hempstead Lake	5168.54*	Max WS	13.80	13.80	0.00	0.00			141.15		308.35
Hempstead Lake	5145.39*	Max WS	13.80	13.80	0.00	0.00			141.15		325.76
Hempstead Lake	5122.23*	Max WS	13.80	13.80	0.00	0.00			141.15		337.92
Hempstead Lake	5099.07*	Max WS	13.80	13.80	0.00	0.00			141.15		344.30
Hempstead Lake	5075.922	Max WS	13.80	13.80	0.00	0.00			141.15		348.92
Hempstead Lake	5055.96*	Max WS	13.80	13.80	0.00	0.00			141.15		353.91
Hempstead Lake	5036.01*	Max WS	13.80	13.80	0.00	0.00			141.15		372.29
Hempstead Lake	5016.05*	Max WS	13.80	13.80	0.00	0.00			141.15		408.37
Hempstead Lake	4996.10*	Max WS	13.80	13.80	0.00	0.00			141.15		545.87
Hempstead Lake	4976.14*	Max WS	13.80	13.80	0.00	0.00			141.15		571.89
Hempstead Lake	4956.192	Max WS	13.80	13.80	0.00	0.00			141.15		575.61
Hempstead Lake	4936.44*	Max WS	13.80	13.80	0.00	0.00			141.15		592.11
Hempstead Lake	4916.69*	Max WS	13.80	13.80	0.00	0.00			141.14		611.53
Hempstead Lake	4896.94*	Max WS	13.80	13.80	0.00	0.00			141.15		665.46
Hempstead Lake	4877.19*	Max WS	13.80	13.80	0.00	0.00			141.14		701.89
Hempstead Lake	4857.44*	Max WS	13.80	13.80	0.00	0.00			141.14		749.64
Hempstead Lake	4837.697	Max WS	13.80	13.80	0.00	0.00			141.14		787.53
Hempstead Lake	4817.64*	Max WS	13.80	13.80	0.00	0.00			151.19		784.55
Hempstead Lake	4797.59*	Max WS	13.80	13.80	0.00	0.00			151.21		782.02
Hempstead Lake	4777.53*	Max WS	13.80	13.80	0.00	0.00			151.18		780.05

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	13.80	13.80	0.00	0.00			151.19		778.23
Hempstead Lake	4737.42*	Max WS	13.80	13.80	0.00	0.00			151.18		778.45
Hempstead Lake	4717.37*	Max WS	13.80	13.80	0.00	0.00		0.00	151.18		779.42
Hempstead Lake	4697.32*	Max WS	13.80	13.80	0.00	0.00		0.01	151.18		781.08
Hempstead Lake	4677.26*	Max WS	13.80	13.80	0.00	0.00		0.03	151.16		783.46
Hempstead Lake	4657.21*	Max WS	13.80	13.80	0.00	0.00		0.07	151.13		786.62
Hempstead Lake	4637.16*	Max WS	13.80	13.80	0.00	0.00		0.15	151.03		790.72
Hempstead Lake	4617.10*	Max WS	13.80	13.80	0.00	0.00		0.27	150.92		794.75
Hempstead Lake	4597.05*	Max WS	13.80	13.80	0.00	0.00		0.46	150.72		796.19
Hempstead Lake	4577.*	Max WS	13.80	13.80	0.00	0.00		0.71	150.48		797.65
Hempstead Lake	4556.94*	Max WS	13.80	13.80	0.00	0.00		1.01	150.16		798.74
Hempstead Lake	4536.893	Max WS	13.80	13.80	0.00	0.00		0.94	150.24		799.61
Hempstead Lake	4516.70*	Max WS	13.80	13.80	0.00	0.00		1.79	151.40		798.83
Hempstead Lake	4496.51*	Max WS	13.80	13.80	0.00	0.00		1.90	151.27		798.85
Hempstead Lake	4476.32*	Max WS	13.80	13.80	0.00	0.00		1.96	151.23		799.94
Hempstead Lake	4456.14*	Max WS	13.80	13.80	0.00	0.00		2.06	151.13		802.09
Hempstead Lake	4435.95*	Max WS	13.80	13.80	0.00	0.00		2.17	151.02		805.65
Hempstead Lake	4415.76*	Max WS	13.80	13.80	0.00	0.00		2.22	150.95		812.88
Hempstead Lake	4395.57*	Max WS	13.80	13.80	0.00	0.00		2.33	150.84		817.72
Hempstead Lake	4375.38*	Max WS	13.80	13.80	0.00	0.00		2.36	150.82		821.85
Hempstead Lake	4355.20*	Max WS	13.80	13.80	0.00	0.00		2.45	150.72		823.17
Hempstead Lake	4335.01*	Max WS	13.80	13.80	0.00	0.00		2.54	150.63		823.92
Hempstead Lake	4314.82*	Max WS	13.80	13.80	0.00	0.00		2.55	150.62	0.00	824.61
Hempstead Lake	4294.63*	Max WS	13.80	13.80	0.00	0.00		2.63	150.54	0.01	824.92
Hempstead Lake	4274.44*	Max WS	13.80	13.80	0.00	0.00		2.63	150.53	0.02	824.83
Hempstead Lake	4254.26*	Max WS	13.80	13.80	0.00	0.00		2.70	150.43	0.05	824.64
Hempstead Lake	4234.07*	Max WS	13.80	13.80	0.00	0.00		2.78	150.31	0.09	824.31
Hempstead Lake	4213.88*	Max WS	13.80	13.80	0.00	0.00		2.77	150.27	0.13	823.84
Hempstead Lake	4193.69*	Max WS	13.80	13.80	0.00	0.00		2.84	150.14	0.19	823.27
Hempstead Lake	4173.50*	Max WS	13.80	13.80	0.00	0.00		2.83	150.09	0.26	822.57
Hempstead Lake	4153.320	Max WS	13.80	13.80	0.00	0.00		1.17	151.66	0.35	821.82
Hempstead Lake	4131.85*	Max WS	13.80	13.80	0.00	0.00		2.30	152.51	0.37	819.73
Hempstead Lake	4110.38*	Max WS	13.80	13.80	0.00	0.00		1.87	152.91	0.39	817.23
Hempstead Lake	4088.91*	Max WS	13.80	13.80	0.00	0.00		1.53	153.22	0.42	814.22
Hempstead Lake	4067.44*	Max WS	13.80	13.80	0.00	0.00		1.18	153.54	0.45	810.04
Hempstead Lake	4045.97*	Max WS	13.80	13.80	0.00	0.00		0.90	153.78	0.49	805.00
Hempstead Lake	4024.50*	Max WS	13.80	13.80	0.00	0.00		0.69	153.94	0.54	799.89
Hempstead Lake	4003.034	Max WS	13.80	13.80	0.00	0.00		0.20	154.39	0.58	794.61
Hempstead Lake	4002		Lat Struct								
Hempstead Lake	3984.01*	Max WS	13.80	13.80	0.00	0.00		0.25	154.56	0.36	777.60
Hempstead Lake	3964.99*	Max WS	13.80	13.80	0.00	0.00		0.14	154.87	0.17	760.00
Hempstead Lake	3945.97*	Max WS	13.80	13.80	0.00	0.00		0.04	155.09	0.04	739.94
Hempstead Lake	3926.95*	Max WS	13.80	13.80	0.00	0.00		0.00	155.17	0.00	717.87
Hempstead Lake	3907.93*	Max WS	13.80	13.80	0.00	0.00			155.17		696.56
Hempstead Lake	3888.916	Max WS	13.80	13.80	0.00	0.00			157.17		667.57
Hempstead Lake	3883.916	Max WS	13.80	13.80	0.00				157.17		665.26
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	9.99	9.86	0.13	0.00			157.16		152.72
Hempstead Lake	3858.916	Max WS	9.94	9.93	0.01	0.01			157.16		157.79
Hempstead Lake	3826.579	Max WS	9.94	9.88	0.06	0.00			157.16		31.52
Hempstead Lake	3821.579	Max WS	9.95	9.75	0.20				157.16		25.97
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	9.74	9.66	0.08	0.00			129.92		23.22
Hempstead Lake	3736.579	Max WS	9.73	9.68	0.06	0.02			130.02		24.26
Hempstead Lake	3699.46*	Max WS	9.72	9.66	0.05	0.02			129.95		26.94
Hempstead Lake	3662.35*	Max WS	9.70	9.65	0.05	0.02			129.90		29.77
Hempstead Lake	3625.24*	Max WS	9.68	9.63	0.05	0.02			129.79		32.98
Hempstead Lake	3588.13*	Max WS	9.66	9.61	0.04	0.02			129.72		37.60
Hempstead Lake	3551.028	Max WS	9.63	9.61	0.02	0.02			129.72		110.84
Hempstead Lake	3531.67*	Max WS	9.61	9.59	0.02	0.02			129.64		104.90
Hempstead Lake	3512.33*	Max WS	9.59	9.57	0.02	0.02			129.52		100.22
Hempstead Lake	3492.98*	Max WS	9.57	9.55	0.02	0.02			129.44		96.31
Hempstead Lake	3473.63*	Max WS	9.55	9.53	0.02	0.01			129.38		93.48
Hempstead Lake	3454.28*	Max WS	9.54	9.52	0.02	0.01			129.32		91.19
Hempstead Lake	3434.93*	Max WS	9.53	9.50	0.02	0.01			129.26		89.68
Hempstead Lake	3415.58*	Max WS	9.52	9.50	0.02	0.01			129.19		88.18
Hempstead Lake	3396.239	Max WS	9.51	9.49	0.02	0.01			129.16		87.35
Hempstead Lake	3376.88*	Max WS	9.50	9.48	0.02	0.01			129.13		88.32
Hempstead Lake	3357.52*	Max WS	9.49	9.47	0.02	0.01			129.06		89.12
Hempstead Lake	3338.16*	Max WS	9.48	9.47	0.02	0.01			129.06		90.03
Hempstead Lake	3318.80*	Max WS	9.48	9.46	0.02	0.01			129.02		91.11
Hempstead Lake	3299.44*	Max WS	9.47	9.45	0.02	0.01			128.95		91.70

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

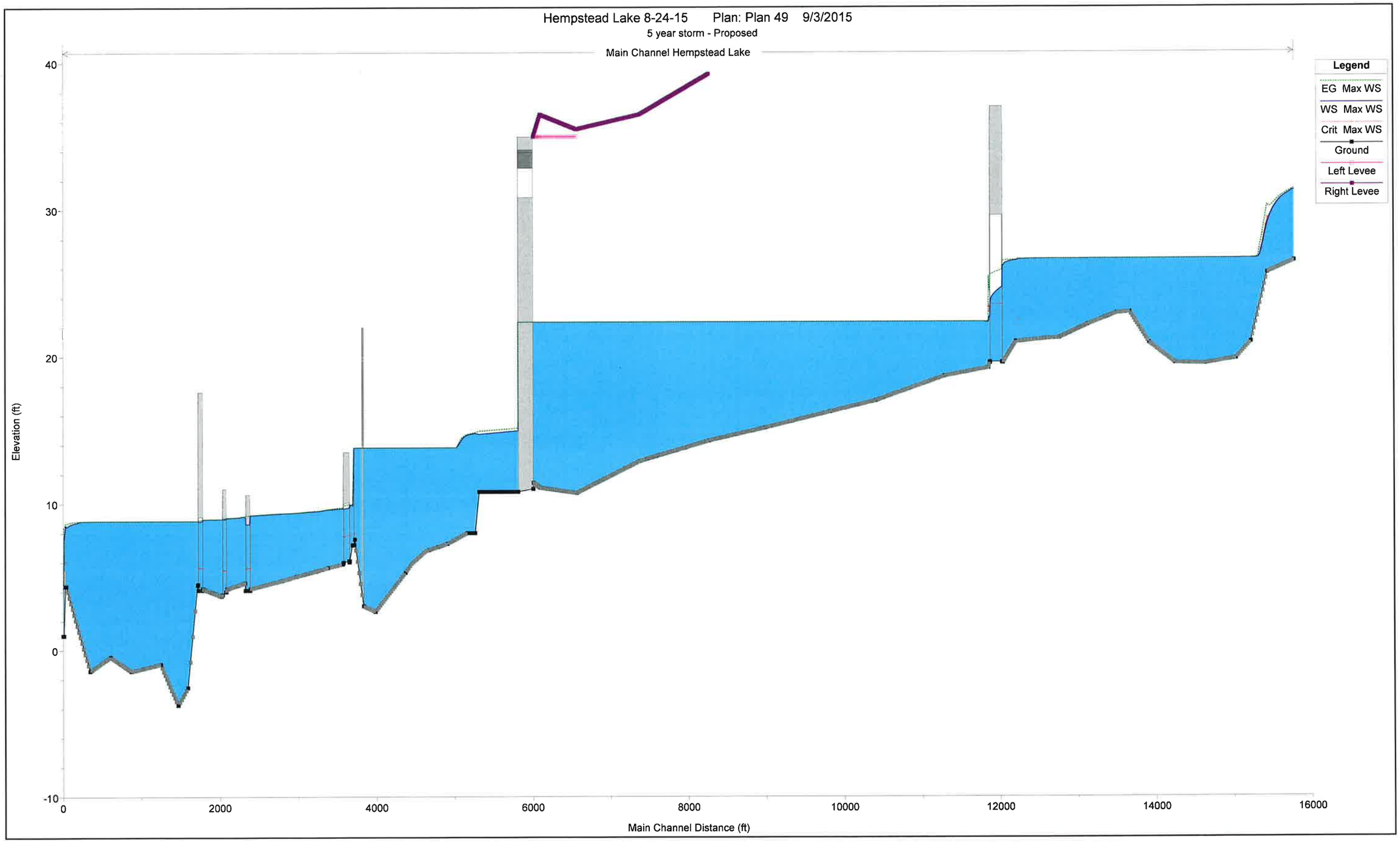
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3280.08*	Max WS	9.46	9.44	0.02	0.01			128.91		92.48
Hempstead Lake	3260.73*	Max WS	9.45	9.43	0.02	0.01			128.84		93.24
Hempstead Lake	3241.37*	Max WS	9.44	9.42	0.02	0.01			128.80		93.99
Hempstead Lake	3222.01*	Max WS	9.43	9.41	0.02	0.01			128.72		94.73
Hempstead Lake	3202.65*	Max WS	9.42	9.40	0.02	0.01			128.68		95.43
Hempstead Lake	3183.29*	Max WS	9.41	9.40	0.02	0.01			128.60		96.02
Hempstead Lake	3163.93*	Max WS	9.40	9.39	0.02	0.01			128.55		96.63
Hempstead Lake	3144.581	Max WS	9.39	9.38	0.01	0.01			128.47		97.31
Hempstead Lake	3124.73*	Max WS	9.39	9.37	0.01	0.01			128.46		98.45
Hempstead Lake	3104.89*	Max WS	9.38	9.37	0.01	0.01			128.37		99.54
Hempstead Lake	3085.04*	Max WS	9.38	9.36	0.01	0.01			128.37		100.78
Hempstead Lake	3065.2*	Max WS	9.37	9.36	0.01	0.01			128.33		101.87
Hempstead Lake	3045.35*	Max WS	9.37	9.35	0.01	0.00			128.28		103.06
Hempstead Lake	3025.51*	Max WS	9.36	9.35	0.01	0.00			128.23		104.21
Hempstead Lake	3005.66*	Max WS	9.36	9.34	0.01	0.00			128.17		105.44
Hempstead Lake	2985.81*	Max WS	9.35	9.34	0.01	0.00			128.17		106.56
Hempstead Lake	2965.974	Max WS	9.35	9.34	0.01	0.00			128.12		107.54
Hempstead Lake	2951.87*	Max WS	9.34	9.33	0.01	0.00			128.07		107.93
Hempstead Lake	2937.77*	Max WS	9.34	9.33	0.01	0.00			128.07		108.36
Hempstead Lake	2923.67*	Max WS	9.34	9.33	0.01	0.00			128.01		108.74
Hempstead Lake	2909.57*	Max WS	9.33	9.32	0.01	0.00			127.95		109.04
Hempstead Lake	2895.47*	Max WS	9.33	9.32	0.01	0.00			127.95		109.04
Hempstead Lake	2881.37*	Max WS	9.33	9.31	0.01	0.00			127.89		109.08
Hempstead Lake	2867.27*	Max WS	9.32	9.31	0.01	0.00			127.83		109.30
Hempstead Lake	2853.17*	Max WS	9.32	9.31	0.01	0.00			127.77		109.23
Hempstead Lake	2839.07*	Max WS	9.31	9.30	0.01	0.00			127.71		108.82
Hempstead Lake	2824.98*	Max WS	9.31	9.30	0.01	0.00			127.65		108.62
Hempstead Lake	2810.88*	Max WS	9.31	9.29	0.01	0.00			127.59		107.96
Hempstead Lake	2796.78*	Max WS	9.30	9.29	0.01	0.00			127.52		107.44
Hempstead Lake	2782.68*	Max WS	9.30	9.28	0.02	0.00			127.46		106.80
Hempstead Lake	2768.58*	Max WS	9.29	9.28	0.02	0.00			127.39		105.85
Hempstead Lake	2754.48*	Max WS	9.29	9.27	0.02	0.01			127.33		104.53
Hempstead Lake	2740.38*	Max WS	9.28	9.26	0.02	0.01			127.26		103.15
Hempstead Lake	2726.28*	Max WS	9.28	9.26	0.02	0.01			127.19		101.95
Hempstead Lake	2712.18*	Max WS	9.27	9.25	0.02	0.01			127.12		100.07
Hempstead Lake	2698.08*	Max WS	9.27	9.25	0.02	0.00			127.05		97.80
Hempstead Lake	2683.98*	Max WS	9.26	9.24	0.02	0.00			126.98		95.29
Hempstead Lake	2669.88*	Max WS	9.26	9.24	0.02	0.00			126.91		92.64
Hempstead Lake	2655.78*	Max WS	9.25	9.23	0.02	0.00			126.83		93.33
Hempstead Lake	2641.68*	Max WS	9.25	9.23	0.02	0.00			126.76		94.20
Hempstead Lake	2627.58*	Max WS	9.24	9.22	0.02	0.00			126.69		95.43
Hempstead Lake	2613.48*	Max WS	9.24	9.22	0.02	0.00			126.61		96.94
Hempstead Lake	2599.38*	Max WS	9.24	9.22	0.02	0.00			126.53		98.50
Hempstead Lake	2585.29*	Max WS	9.23	9.21	0.02	0.00			126.46		99.91
Hempstead Lake	2571.19*	Max WS	9.23	9.21	0.02	0.00			126.38		101.81
Hempstead Lake	2557.091	Max WS	9.22	9.20	0.02	0.00			126.30		103.26
Hempstead Lake	2552.091	Max WS	9.22	9.16	0.06				125.66		14.52
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	9.14	9.09	0.05	0.00			124.08		16.16
Hempstead Lake	2487.091	Max WS	9.14	9.12	0.01	0.00			124.67		150.16
Hempstead Lake	2477.12*	Max WS	9.13	9.12	0.01	0.00			124.67		148.32
Hempstead Lake	2467.14*	Max WS	9.13	9.12	0.01	0.00			124.58		146.47
Hempstead Lake	2457.17*	Max WS	9.13	9.12	0.01	0.00			124.58		144.61
Hempstead Lake	2447.20*	Max WS	9.13	9.12	0.01	0.01			124.50		142.78
Hempstead Lake	2437.23*	Max WS	9.12	9.11	0.01	0.01			124.41		140.92
Hempstead Lake	2427.26*	Max WS	9.11	9.10	0.01	0.01			124.14		138.64
Hempstead Lake	2417.29*	Max WS	9.09	9.08	0.01	0.01			123.87		136.41
Hempstead Lake	2407.32*	Max WS	9.09	9.08	0.01	0.01			123.69		134.79
Hempstead Lake	2397.35*	Max WS	9.08	9.07	0.01	0.00			123.59		133.04
Hempstead Lake	2387.37*	Max WS	9.08	9.07	0.01	0.00			123.50		131.38
Hempstead Lake	2377.40*	Max WS	9.07	9.06	0.01	0.00			123.40		130.18
Hempstead Lake	2367.43*	Max WS	9.07	9.06	0.01	0.00			123.30		128.86
Hempstead Lake	2357.46*	Max WS	9.06	9.05	0.01	0.00			123.20		127.92
Hempstead Lake	2347.49*	Max WS	9.06	9.05	0.01	0.00			123.20		127.50
Hempstead Lake	2337.52*	Max WS	9.06	9.05	0.01	0.00			123.10		127.14
Hempstead Lake	2327.55*	Max WS	9.05	9.04	0.01	0.00			123.00		127.13
Hempstead Lake	2317.58*	Max WS	9.05	9.04	0.01	0.00			122.89		128.47
Hempstead Lake	2307.60*	Max WS	9.05	9.04	0.01	0.00			122.89		130.48
Hempstead Lake	2297.63*	Max WS	9.05	9.04	0.01	0.00			122.79		134.42
Hempstead Lake	2287.66*	Max WS	9.04	9.03	0.01	0.00			122.79		139.82
Hempstead Lake	2277.69*	Max WS	9.04	9.03	0.01	0.00			122.68		145.31
Hempstead Lake	2267.72*	Max WS	9.04	9.03	0.01	0.00			122.68		153.14

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2257.752	Max WS	9.04	9.03	0.01	0.00			122.68		168.48
Hempstead Lake	2252.75*	Max WS	9.04	9.03	0.01	0.00			122.45		156.90
Hempstead Lake	2247.752	Max WS	9.03	9.01	0.02				122.11		148.19
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	8.95	8.94	0.01	0.00			120.36		52.46
Hempstead Lake	2192.75*	Max WS	8.95	8.95	0.00	0.00			120.60		87.48
Hempstead Lake	2187.752	Max WS	8.95	8.95	0.00	0.00		0.46	120.02		162.81
Hempstead Lake	2178.63*	Max WS	8.95	8.95	0.00	0.00		0.00	120.48		96.50
Hempstead Lake	2169.52*	Max WS	8.95	8.95	0.00	0.00			120.48		82.88
Hempstead Lake	2160.40*	Max WS	8.95	8.95	0.00	0.00			120.48		81.10
Hempstead Lake	2151.29*	Max WS	8.95	8.95	0.01	0.00			120.48		79.50
Hempstead Lake	2142.17*	Max WS	8.95	8.95	0.01	0.00			120.48		78.10
Hempstead Lake	2133.05*	Max WS	8.95	8.94	0.01	0.00			120.48		76.75
Hempstead Lake	2123.94*	Max WS	8.95	8.94	0.01	0.00			120.36		75.53
Hempstead Lake	2114.82*	Max WS	8.95	8.94	0.01	0.00			120.36		74.40
Hempstead Lake	2105.71*	Max WS	8.95	8.94	0.01	0.00			120.35		73.32
Hempstead Lake	2096.59*	Max WS	8.95	8.94	0.01	0.00			120.35		71.13
Hempstead Lake	2087.48*	Max WS	8.95	8.94	0.01	0.00			120.35		69.14
Hempstead Lake	2078.36*	Max WS	8.95	8.94	0.01	0.00			120.35		67.26
Hempstead Lake	2069.25*	Max WS	8.95	8.94	0.01	0.00			120.23		65.59
Hempstead Lake	2060.13*	Max WS	8.95	8.94	0.01	0.00			120.23		63.95
Hempstead Lake	2051.01*	Max WS	8.95	8.94	0.01	0.00			120.23		62.46
Hempstead Lake	2041.90*	Max WS	8.95	8.94	0.01	0.00			120.23		60.97
Hempstead Lake	2032.78*	Max WS	8.94	8.94	0.01	0.00			120.10		59.63
Hempstead Lake	2023.67*	Max WS	8.94	8.94	0.01	0.00			120.10		58.32
Hempstead Lake	2014.55*	Max WS	8.94	8.93	0.01	0.00			120.10		57.12
Hempstead Lake	2005.44*	Max WS	8.94	8.93	0.01	0.00			120.10		55.89
Hempstead Lake	1996.32*	Max WS	8.94	8.93	0.01	0.00			119.97		54.79
Hempstead Lake	1987.20*	Max WS	8.94	8.93	0.01	0.00			119.97		53.72
Hempstead Lake	1978.09*	Max WS	8.94	8.93	0.01	0.00			119.97		53.00
Hempstead Lake	1968.97*	Max WS	8.94	8.93	0.01	0.00			119.97		51.87
Hempstead Lake	1959.86*	Max WS	8.94	8.93	0.01	0.00			119.83		50.85
Hempstead Lake	1950.747	Max WS	8.94	8.93	0.01	0.00			119.83		49.82
Hempstead Lake	1945.747	Max WS	8.94	8.90	0.04				118.75		16.93
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	8.85	8.79	0.06	0.00			114.96		14.00
Hempstead Lake	1880.747	Max WS	8.83	8.83	0.00	0.00			115.96		112.44
Hempstead Lake	1848.83*	Max WS	8.83	8.83	0.00	0.00			115.95		331.92
Hempstead Lake	1816.92*	Max WS	8.83	8.83	0.00	0.00			116.10		607.18
Hempstead Lake	1785.01*	Max WS	8.83	8.83	0.00	0.00			116.10		801.32
Hempstead Lake	1753.104	Max WS	8.83	8.83	0.00	0.00		0.02	116.07	0.00	987.06
Hempstead Lake	1732.65*	Max WS	8.83	8.83	0.00	0.00		0.07	116.02	0.00	990.68
Hempstead Lake	1712.21*	Max WS	8.83	8.83	0.00	0.00		0.09	115.98	0.02	997.33
Hempstead Lake	1691.76*	Max WS	8.83	8.83	0.00	0.00		0.11	115.63	0.07	1008.62
Hempstead Lake	1671.32*	Max WS	8.83	8.83	0.00	0.00		0.14	115.77	0.17	1026.44
Hempstead Lake	1650.87*	Max WS	8.83	8.83	0.00	0.00		0.18	115.52	0.39	1047.05
Hempstead Lake	1630.434	Max WS	8.83	8.83	0.00	0.00		0.10	115.20	0.78	1073.04
Hempstead Lake	1610.36*	Max WS	8.83	8.83	0.00	0.00		0.11	115.30	0.67	1049.28
Hempstead Lake	1590.30*	Max WS	8.83	8.83	0.00	0.00		0.03	115.54	0.51	1024.87
Hempstead Lake	1570.23*	Max WS	8.83	8.83	0.00	0.00		0.00	115.70	0.37	999.77
Hempstead Lake	1550.17*	Max WS	8.83	8.83	0.00	0.00			115.40	0.25	974.06
Hempstead Lake	1530.10*	Max WS	8.83	8.83	0.00	0.00			115.48	0.16	947.16
Hempstead Lake	1510.03*	Max WS	8.83	8.83	0.00	0.00			115.98	0.08	917.63
Hempstead Lake	1489.97*	Max WS	8.83	8.83	0.00	0.00			116.03	0.04	887.04
Hempstead Lake	1469.90*	Max WS	8.83	8.83	0.00	0.00			116.05	0.01	854.08
Hempstead Lake	1449.83*	Max WS	8.83	8.83	0.00	0.00			116.06	0.00	819.81
Hempstead Lake	1429.77*	Max WS	8.83	8.83	0.00	0.00			116.06		784.93
Hempstead Lake	1409.707	Max WS	8.83	8.83	0.00	0.00			116.06		751.59
Hempstead Lake	1389.03*	Max WS	8.83	8.82	0.00	0.00			1281.17		756.33
Hempstead Lake	1368.35*	Max WS	8.83	8.82	0.00	0.00			1281.16	0.00	764.52
Hempstead Lake	1347.67*	Max WS	8.82	8.82	0.00	0.00			1281.15	0.01	767.62
Hempstead Lake	1326.99*	Max WS	8.82	8.82	0.00	0.00			1281.11	0.04	769.63
Hempstead Lake	1306.32*	Max WS	8.82	8.82	0.00	0.00			1281.03	0.11	771.00
Hempstead Lake	1285.64*	Max WS	8.82	8.82	0.00	0.00			1280.91	0.22	771.43
Hempstead Lake	1264.96*	Max WS	8.82	8.82	0.00	0.00			1280.76	0.37	774.90
Hempstead Lake	1244.28*	Max WS	8.82	8.82	0.00	0.00			1280.56	0.56	776.60
Hempstead Lake	1223.61*	Max WS	8.82	8.82	0.00	0.00			1280.31	0.80	777.36
Hempstead Lake	1202.93*	Max WS	8.82	8.82	0.00	0.00			1279.97	1.13	777.38
Hempstead Lake	1182.25*	Max WS	8.82	8.82	0.00	0.00			1279.59	1.50	777.32
Hempstead Lake	1161.57*	Max WS	8.82	8.82	0.00	0.00			1279.16	1.92	777.21
Hempstead Lake	1140.90*	Max WS	8.82	8.82	0.00	0.00			1278.69	2.39	777.00
Hempstead Lake	1120.22*	Max WS	8.82	8.82	0.00	0.00			1278.06	3.01	776.85

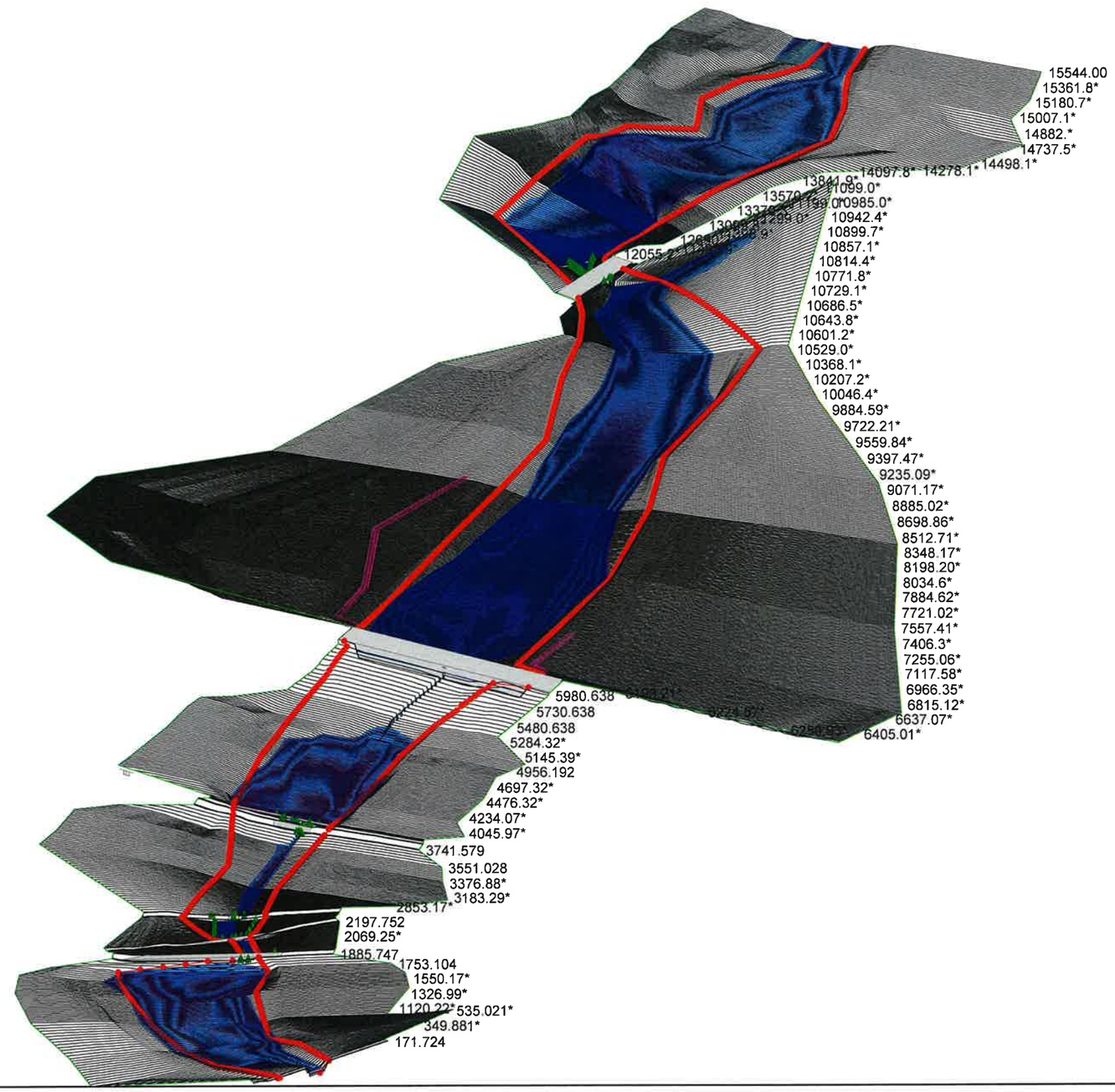
HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1099.54*	Max WS	8.82	8.82	0.00	0.00			1277.47	3.59	776.59
Hempstead Lake	1078.87*	Max WS	8.82	8.82	0.00	0.00			1276.84	4.21	776.51
Hempstead Lake	1058.19*	Max WS	8.82	8.82	0.00	0.00			1276.17	4.88	776.42
Hempstead Lake	1037.515	Max WS	8.82	8.82	0.00	0.00			1269.39	11.65	776.51
Hempstead Lake	1017.08*	Max WS	8.82	8.82	0.00	0.00			1279.64	5.85	772.66
Hempstead Lake	996.645*	Max WS	8.82	8.82	0.00	0.00			1278.10	7.39	768.77
Hempstead Lake	976.210*	Max WS	8.82	8.82	0.00	0.00			1276.56	8.92	764.35
Hempstead Lake	955.775*	Max WS	8.82	8.82	0.00	0.00		0.01	1274.52	10.94	759.89
Hempstead Lake	935.340*	Max WS	8.82	8.82	0.00	0.00		0.10	1272.30	13.05	755.04
Hempstead Lake	914.905*	Max WS	8.82	8.82	0.00	0.00		0.34	1269.48	15.62	750.10
Hempstead Lake	894.471*	Max WS	8.82	8.82	0.00	0.00		0.84	1266.48	18.12	744.91
Hempstead Lake	874.036*	Max WS	8.82	8.82	0.00	0.00		1.63	1262.63	21.16	739.41
Hempstead Lake	853.601*	Max WS	8.82	8.82	0.00	0.00		2.79	1258.45	24.18	733.87
Hempstead Lake	833.166*	Max WS	8.82	8.82	0.00	0.00		4.50	1253.13	27.78	728.20
Hempstead Lake	812.731*	Max WS	8.82	8.82	0.00	0.00		6.87	1247.34	31.19	722.28
Hempstead Lake	792.296*	Max WS	8.82	8.82	0.00	0.00		9.92	1240.14	35.33	716.36
Hempstead Lake	771.862	Max WS	8.82	8.82	0.00	0.00		5.45	1243.01	36.91	710.27
Hempstead Lake	750.331*	Max WS	8.82	8.82	0.00	0.00		5.61	1251.57	30.18	692.18
Hempstead Lake	728.8*	Max WS	8.82	8.82	0.00	0.00		1.48	1263.22	22.66	669.26
Hempstead Lake	707.269*	Max WS	8.82	8.82	0.00	0.00		0.09	1270.78	16.47	645.86
Hempstead Lake	685.738*	Max WS	8.82	8.82	0.00	0.00			1275.94	11.40	627.26
Hempstead Lake	664.207*	Max WS	8.82	8.82	0.00	0.00			1279.92	7.40	609.62
Hempstead Lake	642.676*	Max WS	8.82	8.82	0.00	0.00			1282.93	4.39	594.25
Hempstead Lake	621.145*	Max WS	8.82	8.82	0.00	0.00			1284.96	2.35	577.43
Hempstead Lake	599.614*	Max WS	8.82	8.82	0.00	0.00			1286.13	1.17	559.26
Hempstead Lake	578.083*	Max WS	8.82	8.82	0.00	0.00			1286.81	0.48	537.81
Hempstead Lake	556.552*	Max WS	8.82	8.82	0.00	0.00			1287.13	0.15	521.57
Hempstead Lake	535.021*	Max WS	8.82	8.82	0.00	0.00			1287.25	0.02	507.99
Hempstead Lake	513.490	Max WS	8.82	8.82	0.00	0.00			1287.26		496.63
Hempstead Lake	493.038*	Max WS	8.82	8.82	0.00	0.00			1293.34		481.63
Hempstead Lake	472.587*	Max WS	8.82	8.82	0.00	0.00			1293.33		469.16
Hempstead Lake	452.136*	Max WS	8.82	8.82	0.00	0.00			1293.32		456.35
Hempstead Lake	431.685*	Max WS	8.82	8.81	0.01	0.00			1293.28		443.23
Hempstead Lake	411.234*	Max WS	8.82	8.81	0.01	0.00			1293.31		429.72
Hempstead Lake	390.783*	Max WS	8.82	8.80	0.02	0.00			1293.30		415.47
Hempstead Lake	370.332*	Max WS	8.81	8.78	0.03	0.01			1293.27		386.34
Hempstead Lake	349.881*	Max WS	8.81	8.73	0.07	0.01			1293.27		184.43
Hempstead Lake	329.430*	Max WS	8.80	8.71	0.09	0.01			1293.27		124.27
Hempstead Lake	308.979*	Max WS	8.78	8.68	0.10	0.01			1293.27		117.55
Hempstead Lake	288.528*	Max WS	8.77	8.65	0.12	0.02			1293.27		111.81
Hempstead Lake	268.077*	Max WS	8.75	8.61	0.14	0.03			1293.27		106.97
Hempstead Lake	247.626*	Max WS	8.72	8.56	0.16	0.03			1293.27		102.76
Hempstead Lake	227.175*	Max WS	8.69	8.49	0.20	0.03			1293.27		99.16
Hempstead Lake	206.724	Max WS	8.66	8.42	0.24	0.00			1293.27		96.20
Hempstead Lake	201.724	Max WS	8.65	8.52	0.13				1293.27		111.67
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	4.47	4.29	0.17	0.00		372.89	920.38		123.18
Hempstead Lake	166.724	Max WS	4.46	4.29	0.17			372.87	920.40		123.16


Hempstead Lake 8-24-15 Plan: Plan 49 9/3/2015
5 year storm - Proposed
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 49 9/3/2015

5 year storm - Proposed



Proposed 25 Year 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	2894.96	26.48	32.07		32.18	0.000657	2.86	1135.57	431.22	0.27
Hempstead Lake	15523.7*	Max WS	2894.92	26.43	32.02		32.13	0.003801	2.86	1133.16	433.74	0.27
Hempstead Lake	15503.5*	Max WS	2894.49	26.38	31.94		32.06	0.003782	2.91	1111.61	433.58	0.28
Hempstead Lake	15483.3*	Max WS	2894.47	26.34	31.86		31.98	0.003698	2.97	1085.92	433.17	0.29
Hempstead Lake	15463.0*	Max WS	2894.44	26.29	31.78		31.91	0.003647	3.05	1056.35	432.52	0.30
Hempstead Lake	15442.8*	Max WS	2894.12	26.24	31.70		31.84	0.003733	3.13	1024.14	431.15	0.31
Hempstead Lake	15422.5*	Max WS	2894.11	26.19	31.61		31.76	0.003748	3.23	987.46	428.19	0.33
Hempstead Lake	15402.3*	Max WS	2894.10	26.15	31.53		31.69	0.003822	3.35	945.71	424.27	0.35
Hempstead Lake	15382.1*	Max WS	2894.07	26.10	31.43		31.61	0.004108	3.49	899.28	418.38	0.37
Hempstead Lake	15361.8*	Max WS	2893.86	26.05	31.33		31.53	0.004372	3.68	846.08	409.50	0.40
Hempstead Lake	15341.6*	Max WS	2893.85	26.00	31.21		31.44	0.005029	3.92	784.77	396.52	0.44
Hempstead Lake	15321.4*	Max WS	2893.84	25.96	31.08		31.34	0.005863	4.26	715.02	379.16	0.50
Hempstead Lake	15301.1*	Max WS	2893.82	25.91	30.91		31.25	0.007078	4.75	636.87	347.57	0.58
Hempstead Lake	15280.9*	Max WS	2893.68	25.86	30.69		31.13	0.007065	5.41	559.72	277.85	0.62
Hempstead Lake	15260.7*	Max WS	2893.78	25.81	30.43		31.01	0.008656	6.17	486.81	256.94	0.73
Hempstead Lake	15240.4*	Max WS	2893.77	25.77	30.13	30.05	30.94	0.011520	7.26	409.62	233.79	0.90
Hempstead Lake	15220.2*	Max WS	2893.76	25.72	29.88	30.03	30.97	0.015488	8.41	349.88	212.53	1.09
Hempstead Lake	15200.02	Max WS	2893.75	25.67	29.53	30.05	31.23	0.024214	10.48	277.62	185.88	1.47
Hempstead Lake	15180.7*	Max WS	2893.70	25.24	29.12	29.44	30.50	0.024646	9.42	307.21	190.77	1.31
Hempstead Lake	15161.4*	Max WS	1097.37	24.82	28.83		28.97	0.002842	3.01	364.99	210.54	0.40
Hempstead Lake	15142.1*	Max WS	1119.77	24.39	28.86		28.93	0.001477	2.24	500.96	237.45	0.27
Hempstead Lake	15122.8*	Max WS	1119.46	23.96	28.87		28.91	0.000851	1.72	652.08	264.98	0.19
Hempstead Lake	15103.5*	Max WS	1124.86	23.53	28.87		28.90	0.000544	1.37	821.52	295.70	0.14
Hempstead Lake	15084.2*	Max WS	1124.76	23.11	28.87		28.89	0.000391	1.11	1012.48	337.34	0.11
Hempstead Lake	15064.9*	Max WS	1124.66	22.68	28.87		28.88	0.000273	0.91	1230.02	376.89	0.09
Hempstead Lake	15045.6*	Max WS	1124.58	22.25	28.87		28.88	0.000189	0.77	1467.68	403.17	0.07
Hempstead Lake	15026.4*	Max WS	1124.50	21.82	28.87		28.88	0.000135	0.65	1723.05	428.16	0.06
Hempstead Lake	15007.1*	Max WS	1124.43	21.40	28.87		28.87	0.000100	0.56	1994.41	452.23	0.05
Hempstead Lake	14987.82	Max WS	1124.35	20.97	28.87		28.87	0.000012	0.49	2283.30	475.61	0.04
Hempstead Lake	14966.6*	Max WS	1134.43	20.84	28.87		28.87	0.000063	0.46	2472.56	493.17	0.04
Hempstead Lake	14945.4*	Max WS	1134.35	20.72	28.87		28.87	0.000051	0.42	2670.24	511.40	0.03
Hempstead Lake	14924.3*	Max WS	1134.28	20.59	28.87		28.87	0.000041	0.39	2878.81	530.04	0.03
Hempstead Lake	14903.1*	Max WS	1134.20	20.46	28.87		28.87	0.000034	0.37	3096.14	548.90	0.03
Hempstead Lake	14882.*	Max WS	1131.57	20.34	28.87		28.87	0.000028	0.34	3323.33	567.92	0.02
Hempstead Lake	14860.8*	Max WS	1131.56	20.21	28.87		28.87	0.000023	0.32	3560.36	587.03	0.02
Hempstead Lake	14839.6*	Max WS	1131.54	20.08	28.87		28.87	0.000019	0.30	3805.95	605.98	0.02
Hempstead Lake	14818.5*	Max WS	1131.53	19.96	28.87		28.87	0.000016	0.28	4061.55	625.49	0.02
Hempstead Lake	14797.35	Max WS	1131.51	19.83	28.87		28.87	0.000002	0.26	4325.71	645.41	0.02
Hempstead Lake	14777.4*	Max WS	1131.49	19.81	28.87		28.87	0.000012	0.25	4442.52	658.44	0.02
Hempstead Lake	14757.4*	Max WS	1131.46	19.80	28.87		28.87	0.000011	0.25	4560.66	671.60	0.02
Hempstead Lake	14737.5*	Max WS	1131.44	19.78	28.87		28.87	0.000009	0.24	4679.36	684.68	0.02
Hempstead Lake	14717.5*	Max WS	1131.41	19.76	28.87		28.87	0.000008	0.24	4800.57	697.86	0.02
Hempstead Lake	14697.6*	Max WS	1131.38	19.74	28.87		28.87	0.000007	0.23	4922.49	711.20	0.02
Hempstead Lake	14677.6*	Max WS	1131.35	19.73	28.87		28.87	0.000007	0.22	5045.76	724.45	0.01
Hempstead Lake	14657.7*	Max WS	1131.33	19.71	28.87		28.87	0.000006	0.22	5170.36	737.67	0.01
Hempstead Lake	14637.7*	Max WS	1131.30	19.69	28.87		28.87	0.000005	0.21	5296.55	750.90	0.01
Hempstead Lake	14617.8*	Max WS	1131.27	19.67	28.87		28.87	0.000004	0.21	5423.96	764.22	0.01
Hempstead Lake	14597.8*	Max WS	1131.24	19.65	28.87		28.87	0.000004	0.20	5552.95	777.78	0.01
Hempstead Lake	14577.9*	Max WS	1131.21	19.64	28.87		28.87	0.000003	0.20	5681.60	791.32	0.01
Hempstead Lake	14557.9*	Max WS	1131.18	19.62	28.87		28.87	0.000003	0.19	5813.89	804.96	0.01
Hempstead Lake	14538.0*	Max WS	1131.15	19.60	28.87		28.87	0.000002	0.19	5945.96	818.84	0.01
Hempstead Lake	14518.0*	Max WS	1131.12	19.58	28.87		28.87	0.000002	0.19	6081.37	832.75	0.01
Hempstead Lake	14498.1*	Max WS	1131.09	19.57	28.87		28.87	0.000002	0.18	6215.34	846.98	0.01
Hempstead Lake	14478.1*	Max WS	1131.06	19.55	28.87		28.87	0.000002	0.18	6353.11	861.43	0.01
Hempstead Lake	14458.2*	Max WS	1131.03	19.53	28.87		28.87	0.000001	0.17	6491.72	875.91	0.01
Hempstead Lake	14438.2*	Max WS	1131.00	19.51	28.87		28.87	0.000001	0.17	6632.30	890.78	0.01
Hempstead Lake	14418.3*	Max WS	1130.97	19.50	28.87		28.87	0.000001	0.17	6772.36	905.84	0.01
Hempstead Lake	14398.37	Max WS	1130.94	19.48	28.87		28.87	0.000001	0.16	6916.70	921.32	0.01
Hempstead Lake	14378.3*	Max WS	1130.91	19.48	28.87		28.87	0.000001	0.17	6768.56	906.47	0.01
Hempstead Lake	14358.3*	Max WS	1130.88	19.49	28.87		28.87	0.000001	0.17	6621.18	891.67	0.01
Hempstead Lake	14338.2*	Max WS	1130.86	19.49	28.87		28.87	0.000001	0.17	6479.34	876.87	0.01
Hempstead Lake	14318.2*	Max WS	1130.83	19.49	28.87		28.87	0.000001	0.18	6338.21	862.00	0.01
Hempstead Lake	14298.2*	Max WS	1130.80	19.49	28.87		28.87	0.000001	0.18	6199.32	847.25	0.01
Hempstead Lake	14278.1*	Max WS	1130.78	19.50	28.87		28.87	0.000001	0.19	6062.75	832.55	0.01
Hempstead Lake	14258.1*	Max WS	1130.75	19.50	28.87		28.87	0.000001	0.19	5929.19	817.74	0.01
Hempstead Lake	14238.1*	Max WS	1130.73	19.50	28.87		28.87	0.000001	0.20	5797.63	803.10	0.01
Hempstead Lake	14218.0*	Max WS	1130.70	19.50	28.87		28.87	0.000001	0.20	5668.02	788.19	0.01
Hempstead Lake	14198.0*	Max WS	1130.68	19.51	28.87		28.87	0.000001	0.20	5540.88	773.19	0.01
Hempstead Lake	14178.0*	Max WS	1130.66	19.51	28.87		28.87	0.000001	0.21	5416.10	758.27	0.01
Hempstead Lake	14157.9*	Max WS	1130.63	19.51	28.86		28.87	0.000001	0.21	5293.68	743.30	0.01
Hempstead Lake	14137.9*	Max WS	1130.61	19.51	28.86		28.87	0.000001	0.22	5173.69	728.60	0.01
Hempstead Lake	14117.9*	Max WS	1130.59	19.52	28.86		28.87	0.000001	0.22	5056.03	713.85	0.01
Hempstead Lake	14097.8*	Max WS	1130.57	19.52	28.86		28.87	0.000002	0.23	4940.67	699.30	0.02
Hempstead Lake	14077.8*	Max WS	1130.55	19.52	28.86		28.87	0.000002	0.23	4827.82	684.91	0.02
Hempstead Lake	14057.8*	Max WS	1130.53	19.52	28.86		28.87	0.000002	0.24	4717.07	670.61	0.02
Hempstead Lake	14037.7*	Max WS	1130.51	19.53	28.86		28.87	0.000002	0.25	4610.22	656.62	0.02
Hempstead Lake	14017.75	Max WS	1130.49	19.53	28.86		28.87	0.000002	0.25	4503.71	642.83	0.02
Hempstead Lake	13998.2*	Max WS	1130.47	19.61	28.86		28.87	0.000002	0.25	4560.13	663.57	0.02
Hempstead Lake	13978.6*	Max WS	1130.46	19.69	28.86		28.87	0.000002	0.24	4619.06	684.53	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13959.1*	Max WS	1130.44	19.77	28.86		28.87	0.000002	0.24	4679.73	704.22	0.02
Hempstead Lake	13939.6*	Max WS	1130.42	19.85	28.86		28.87	0.000002	0.24	4740.97	723.34	0.02
Hempstead Lake	13920.0*	Max WS	1130.40	19.94	28.86		28.87	0.000002	0.24	4804.75	741.98	0.02
Hempstead Lake	13900.5*	Max WS	1130.38	20.02	28.86		28.87	0.000002	0.23	4867.90	760.37	0.02
Hempstead Lake	13881.*	Max WS	1130.36	20.10	28.86		28.87	0.000002	0.23	4932.91	778.59	0.02
Hempstead Lake	13861.4*	Max WS	1130.34	20.18	28.86		28.87	0.000002	0.23	4998.41	796.97	0.02
Hempstead Lake	13841.9*	Max WS	1130.32	20.26	28.86		28.87	0.000002	0.22	5065.50	815.38	0.02
Hempstead Lake	13822.3*	Max WS	1130.30	20.34	28.86		28.87	0.000002	0.22	5132.33	833.73	0.02
Hempstead Lake	13802.8*	Max WS	1130.28	20.42	28.86		28.87	0.000002	0.22	5201.31	852.22	0.02
Hempstead Lake	13783.3*	Max WS	1130.26	20.50	28.86		28.87	0.000002	0.21	5269.97	870.73	0.02
Hempstead Lake	13763.7*	Max WS	1130.23	20.59	28.86		28.87	0.000002	0.21	5341.21	889.20	0.02
Hempstead Lake	13744.2*	Max WS	1130.21	20.67	28.86		28.87	0.000002	0.21	5412.15	907.76	0.02
Hempstead Lake	13724.7*	Max WS	1130.19	20.75	28.86		28.87	0.000002	0.21	5485.75	926.34	0.01
Hempstead Lake	13705.1*	Max WS	1130.17	20.83	28.86		28.87	0.000002	0.20	5558.08	944.89	0.01
Hempstead Lake	13685.63	Max WS	1130.15	20.91	28.86		28.86	0.000002	0.20	5632.13	963.54	0.01
Hempstead Lake	13666.4*	Max WS	1130.13	21.07	28.86		28.86	0.000002	0.20	5596.16	971.35	0.01
Hempstead Lake	13647.1*	Max WS	1130.11	21.23	28.86		28.86	0.000002	0.20	5557.63	978.62	0.02
Hempstead Lake	13627.9*	Max WS	1130.09	21.39	28.86		28.86	0.000002	0.20	5517.61	986.12	0.02
Hempstead Lake	13608.7*	Max WS	1130.07	21.56	28.86		28.86	0.000002	0.21	5475.82	994.28	0.02
Hempstead Lake	13589.5*	Max WS	1130.05	21.72	28.86		28.86	0.000002	0.21	5434.22	1003.42	0.02
Hempstead Lake	13570.2*	Max WS	1130.03	21.88	28.86		28.86	0.000002	0.21	5393.74	1012.42	0.02
Hempstead Lake	13551.0*	Max WS	1130.01	22.04	28.86		28.86	0.000002	0.21	5354.02	1020.47	0.02
Hempstead Lake	13531.8*	Max WS	1129.99	22.20	28.86		28.86	0.000002	0.21	5312.97	1031.19	0.02
Hempstead Lake	13512.6*	Max WS	1129.97	22.36	28.86		28.86	0.000002	0.22	5277.71	1046.59	0.02
Hempstead Lake	13493.3*	Max WS	1129.95	22.53	28.86		28.86	0.000002	0.22	5242.32	1055.56	0.02
Hempstead Lake	13474.1*	Max WS	1129.94	22.69	28.86		28.86	0.000002	0.22	5204.53	1061.04	0.02
Hempstead Lake	13454.9*	Max WS	1129.92	22.85	28.86		28.86	0.000003	0.22	5161.53	1063.83	0.02
Hempstead Lake	13435.72	Max WS	1129.90	23.01	28.86		28.86	0.000002	0.22	5114.69	1065.70	0.02
Hempstead Lake	13419.3*	Max WS	1129.89	23.00	28.86		28.86	0.000003	0.23	5038.35	1064.55	0.02
Hempstead Lake	13403.0*	Max WS	1129.88	23.00	28.86		28.86	0.000003	0.23	4969.10	1063.02	0.02
Hempstead Lake	13386.6*	Max WS	1129.86	22.99	28.86		28.86	0.000003	0.23	4906.24	1059.17	0.02
Hempstead Lake	13370.3*	Max WS	1129.85	22.98	28.86		28.86	0.000003	0.23	4852.21	1054.13	0.02
Hempstead Lake	13354.*	Max WS	1129.84	22.98	28.86		28.86	0.000003	0.24	4805.57	1047.21	0.02
Hempstead Lake	13337.6*	Max WS	1129.84	22.97	28.86		28.86	0.000003	0.24	4770.53	1038.06	0.02
Hempstead Lake	13321.3*	Max WS	1129.83	22.96	28.86		28.86	0.000003	0.24	4746.71	1024.88	0.02
Hempstead Lake	13304.9*	Max WS	1129.82	22.95	28.86		28.86	0.000004	0.24	4735.59	1015.61	0.02
Hempstead Lake	13288.6*	Max WS	1129.81	22.95	28.86		28.86	0.000004	0.24	4730.90	1009.93	0.02
Hempstead Lake	13272.29	Max WS	1129.57	22.94	28.86		28.86	0.000003	0.24	4733.61	1001.35	0.02
Hempstead Lake	13255.0*	Max WS	1129.80	22.90	28.86		28.86	0.000003	0.24	4701.63	1002.50	0.02
Hempstead Lake	13237.8*	Max WS	1129.80	22.87	28.86		28.86	0.000003	0.24	4673.70	1002.62	0.02
Hempstead Lake	13220.5*	Max WS	1129.80	22.83	28.86		28.86	0.000003	0.24	4651.09	1003.25	0.02
Hempstead Lake	13203.3*	Max WS	1129.79	22.80	28.86		28.86	0.000004	0.24	4632.07	1004.40	0.02
Hempstead Lake	13186.0*	Max WS	1129.48	22.76	28.86		28.86	0.000004	0.24	4618.18	1005.86	0.02
Hempstead Lake	13168.8*	Max WS	1129.47	22.72	28.86		28.86	0.000004	0.25	4608.66	1007.66	0.02
Hempstead Lake	13151.6*	Max WS	1129.45	22.69	28.86		28.86	0.000004	0.25	4603.24	1009.60	0.02
Hempstead Lake	13134.3*	Max WS	1129.44	22.65	28.86		28.86	0.000004	0.25	4602.89	1011.63	0.02
Hempstead Lake	13117.1*	Max WS	1129.43	22.62	28.86		28.86	0.000004	0.25	4607.27	1014.03	0.02
Hempstead Lake	13099.8*	Max WS	1129.43	22.58	28.86		28.86	0.000004	0.24	4616.65	1016.57	0.02
Hempstead Lake	13082.6*	Max WS	1129.42	22.55	28.86		28.86	0.000005	0.24	4629.66	1019.20	0.02
Hempstead Lake	13065.3*	Max WS	1129.42	22.51	28.86		28.86	0.000005	0.24	4648.98	1022.13	0.02
Hempstead Lake	13048.1*	Max WS	1129.09	22.47	28.86		28.86	0.000005	0.24	4672.59	1025.52	0.02
Hempstead Lake	13030.9*	Max WS	1129.09	22.44	28.86		28.86	0.000005	0.24	4700.82	1029.65	0.02
Hempstead Lake	13013.6*	Max WS	1129.08	22.40	28.86		28.86	0.000005	0.24	4733.67	1033.97	0.02
Hempstead Lake	12996.4*	Max WS	1128.87	22.37	28.86		28.86	0.000005	0.24	4772.77	1038.40	0.02
Hempstead Lake	12979.1*	Max WS	1128.86	22.33	28.86		28.86	0.000004	0.23	4815.34	1042.62	0.02
Hempstead Lake	12961.9*	Max WS	1128.85	22.29	28.86		28.86	0.000004	0.23	4864.85	1047.03	0.02
Hempstead Lake	12944.7*	Max WS	1128.77	22.26	28.86		28.86	0.000005	0.23	4917.86	1051.33	0.02
Hempstead Lake	12927.4*	Max WS	1128.76	22.22	28.86		28.86	0.000004	0.23	4977.74	1055.51	0.02
Hempstead Lake	12910.2*	Max WS	1128.75	22.19	28.86		28.86	0.000004	0.22	5041.05	1059.81	0.02
Hempstead Lake	12892.97	Max WS	1128.74	22.15	28.86		28.86	0.000002	0.22	5110.42	1063.62	0.02
Hempstead Lake	12881.0*	Max WS	1310.26	22.12	28.86		28.86	0.000003	0.26	5122.63	1064.13	0.02
Hempstead Lake	12869.1*	Max WS	1310.70	22.09	28.86		28.86	0.000003	0.26	5136.75	1064.65	0.02
Hempstead Lake	12857.1*	Max WS	1310.69	22.06	28.86		28.86	0.000003	0.25	5150.99	1065.36	0.02
Hempstead Lake	12845.2*	Max WS	1310.68	22.03	28.86		28.86	0.000003	0.25	5165.97	1065.76	0.02
Hempstead Lake	12833.3*	Max WS	1310.67	22.00	28.86		28.86	0.000003	0.25	5181.58	1066.18	0.02
Hempstead Lake	12821.4*	Max WS	1310.67	21.97	28.86		28.86	0.000003	0.25	5199.30	1066.07	0.02
Hempstead Lake	12809.4*	Max WS	1310.66	21.94	28.86		28.86	0.000003	0.25	5217.63	1065.73	0.02
Hempstead Lake	12797.5*	Max WS	1310.65	21.92	28.86		28.86	0.000003	0.25	5235.30	1064.51	0.02
Hempstead Lake	12785.6*	Max WS	1310.65	21.89	28.86		28.86	0.000003	0.25	5255.71	1063.07	0.02
Hempstead Lake	12773.7*	Max WS	1310.64	21.86	28.86		28.86	0.000003	0.25	5275.66	1061.62	0.02
Hempstead Lake	12761.7*	Max WS	1310.64	21.83	28.86		28.86	0.000003	0.25	5295.67	1060.19	0.02
Hempstead Lake	12749.8*	Max WS	1310.64	21.80	28.86		28.86	0.000003	0.25	5317.14	1059.05	0.02
Hempstead Lake	12737.9*	Max WS	1310.64	21.77	28.86		28.86	0.000003	0.25	5338.50	1057.61	0.02
Hempstead Lake	12726.0*	Max WS	1310.63	21.74	28.86		28.86	0.000003	0.24	5360.44	1056.21	0.02
Hempstead Lake	12714.0*	Max WS	1310.63	21.71	28.86		28.86	0.000003	0.24	5381.75	1054.77	0.02
Hempstead Lake	12702.1*	Max WS	1311.07	21.68	28.86		28.86	0.000002	0.24	5405.82	1053.74	0.02
Hempstead Lake	12690.2*	Max WS	1311.06	21.65	28.86		28.86	0.000002	0.24	5430.19	1052.38	0.02
Hempstead Lake	12678.3*	Max WS	1311.05	21.62	28.86		28.86	0.000002	0.24	5453.25	1051.01	0.02
Hempstead Lake	12666.3*	Max WS	1311.04	21.59	28.86		28.86	0.000002	0.24	5478.13	1049.64	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12654.4*	Max WS	1311.03	21.56	28.86		28.86	0.000002	0.24	5503.08	1048.81	0.02
Hempstead Lake	12642.5*	Max WS	1311.02	21.53	28.86		28.86	0.000002	0.24	5528.92	1047.54	0.02
Hempstead Lake	12630.6*	Max WS	1311.01	21.50	28.86		28.86	0.000002	0.24	5555.34	1046.28	0.02
Hempstead Lake	12618.6*	Max WS	1311.01	21.47	28.86		28.86	0.000002	0.23	5582.16	1045.13	0.02
Hempstead Lake	12606.7*	Max WS	1311.00	21.45	28.86		28.86	0.000002	0.23	5609.36	1043.95	0.02
Hempstead Lake	12594.8*	Max WS	1310.99	21.42	28.86		28.86	0.000002	0.23	5637.69	1043.59	0.02
Hempstead Lake	12582.9*	Max WS	1310.99	21.39	28.86		28.86	0.000002	0.23	5666.39	1042.70	0.02
Hempstead Lake	12570.9*	Max WS	1310.98	21.36	28.86		28.86	0.000002	0.23	5695.15	1042.08	0.02
Hempstead Lake	12559.0*	Max WS	1310.98	21.33	28.86		28.86	0.000002	0.23	5723.78	1041.85	0.02
Hempstead Lake	12547.1*	Max WS	1310.97	21.30	28.86		28.86	0.000002	0.23	5754.64	1042.01	0.02
Hempstead Lake	12535.2*	Max WS	1310.97	21.27	28.86		28.86	0.000002	0.23	5786.14	1042.36	0.02
Hempstead Lake	12523.27	Max WS	1310.96	21.24	28.86		28.86	0.000002	0.23	5816.63	1042.85	0.02
Hempstead Lake	12515.8*	Max WS	1357.28	21.24	28.86		28.86	0.000002	0.23	5816.98	1010.65	0.02
Hempstead Lake	12508.3*	Max WS	1357.28	21.24	28.86		28.86	0.000002	0.23	5821.18	997.12	0.02
Hempstead Lake	12500.9*	Max WS	1357.28	21.23	28.86		28.86	0.000003	0.23	5824.60	987.72	0.02
Hempstead Lake	12493.4*	Max WS	1357.28	21.23	28.86		28.86	0.000003	0.23	5827.74	979.82	0.02
Hempstead Lake	12486.0*	Max WS	1357.66	21.23	28.86		28.86	0.000003	0.23	5831.73	972.70	0.02
Hempstead Lake	12478.5*	Max WS	1357.28	21.23	28.86		28.86	0.000004	0.23	5834.98	965.86	0.02
Hempstead Lake	12471.1*	Max WS	1357.27	21.23	28.86		28.86	0.000004	0.23	5838.07	959.25	0.02
Hempstead Lake	12463.7*	Max WS	1357.27	21.23	28.86		28.86	0.000004	0.23	5840.86	952.87	0.02
Hempstead Lake	12456.2*	Max WS	1357.27	21.22	28.86		28.86	0.000005	0.23	5842.96	946.68	0.02
Hempstead Lake	12448.8*	Max WS	1357.27	21.22	28.86		28.86	0.000005	0.23	5845.16	940.41	0.02
Hempstead Lake	12441.3*	Max WS	1357.60	21.22	28.86		28.86	0.000006	0.23	5845.57	934.27	0.02
Hempstead Lake	12433.9*	Max WS	1357.27	21.22	28.86		28.86	0.000006	0.23	5846.49	928.15	0.02
Hempstead Lake	12426.4*	Max WS	1357.27	21.22	28.86		28.86	0.000007	0.23	5848.50	922.15	0.02
Hempstead Lake	12419.0*	Max WS	1357.57	21.21	28.86		28.86	0.000007	0.23	5848.46	916.08	0.02
Hempstead Lake	12411.5*	Max WS	1357.56	21.21	28.86		28.86	0.000007	0.23	5848.71	910.12	0.02
Hempstead Lake	12404.1*	Max WS	1357.27	21.21	28.86		28.86	0.000008	0.23	5848.27	904.15	0.02
Hempstead Lake	12396.6*	Max WS	1357.55	21.21	28.86		28.86	0.000008	0.23	5847.78	898.20	0.02
Hempstead Lake	12389.2*	Max WS	1357.27	21.21	28.86		28.86	0.000009	0.23	5847.35	892.29	0.02
Hempstead Lake	12381.8*	Max WS	1357.27	21.21	28.86		28.86	0.000009	0.23	5846.06	886.35	0.02
Hempstead Lake	12374.3*	Max WS	1357.27	21.20	28.86		28.86	0.000010	0.23	5844.12	880.46	0.02
Hempstead Lake	12366.9*	Max WS	1357.52	21.20	28.86		28.86	0.000010	0.23	5842.73	874.60	0.02
Hempstead Lake	12359.46	Max WS	1357.26	21.20	28.86		28.86	0.000002	0.23	5840.33	868.76	0.02
Hempstead Lake	12350.7*	Max WS	1387.76	21.20	28.86		28.86	0.000012	0.24	5681.00	857.11	0.02
Hempstead Lake	12342.0*	Max WS	1388.04	21.19	28.86		28.86	0.000013	0.25	5524.90	845.50	0.02
Hempstead Lake	12333.3*	Max WS	1388.03	21.19	28.86		28.86	0.000013	0.26	5370.85	833.82	0.02
Hempstead Lake	12324.7*	Max WS	1388.02	21.18	28.86		28.86	0.000014	0.27	5220.00	822.17	0.02
Hempstead Lake	12316.0*	Max WS	1388.02	21.18	28.86		28.86	0.000015	0.27	5072.06	810.53	0.02
Hempstead Lake	12307.3*	Max WS	1388.01	21.17	28.86		28.86	0.000016	0.28	4926.08	798.92	0.02
Hempstead Lake	12298.6*	Max WS	1388.00	21.17	28.86		28.86	0.000017	0.29	4783.33	787.27	0.02
Hempstead Lake	12289.9*	Max WS	1387.99	21.16	28.86		28.86	0.000017	0.30	4643.40	775.60	0.02
Hempstead Lake	12281.2*	Max WS	1387.98	21.16	28.86		28.86	0.000018	0.31	4506.23	764.00	0.02
Hempstead Lake	12272.5*	Max WS	1387.98	21.15	28.86		28.86	0.000020	0.32	4371.04	752.32	0.02
Hempstead Lake	12263.8*	Max WS	1387.97	21.15	28.86		28.86	0.000021	0.33	4240.03	740.72	0.02
Hempstead Lake	12255.1*	Max WS	1387.96	21.14	28.86		28.86	0.000022	0.34	4110.40	729.09	0.02
Hempstead Lake	12246.4*	Max WS	1387.95	21.14	28.86		28.86	0.000024	0.35	3983.37	717.51	0.03
Hempstead Lake	12237.7*	Max WS	1387.95	21.13	28.86		28.86	0.000025	0.36	3860.32	705.83	0.03
Hempstead Lake	12229.1*	Max WS	1387.94	21.13	28.86		28.86	0.000027	0.37	3738.57	694.22	0.03
Hempstead Lake	12220.4*	Max WS	1387.93	21.12	28.86		28.86	0.000028	0.38	3620.56	682.63	0.03
Hempstead Lake	12211.7*	Max WS	1387.93	21.12	28.86		28.86	0.000030	0.40	3504.65	671.05	0.03
Hempstead Lake	12203.0*	Max WS	1387.92	21.11	28.85		28.86	0.000032	0.41	3391.87	659.49	0.03
Hempstead Lake	12194.3*	Max WS	1387.92	21.11	28.85		28.86	0.000034	0.42	3281.33	647.86	0.03
Hempstead Lake	12185.6*	Max WS	1387.91	21.10	28.85		28.86	0.000037	0.44	3174.52	636.12	0.03
Hempstead Lake	12176.9*	Max WS	1387.90	21.10	28.85		28.86	0.000039	0.45	3069.27	623.32	0.04
Hempstead Lake	12168.2*	Max WS	1387.90	21.10	28.85		28.86	0.000040	0.47	2967.18	610.67	0.04
Hempstead Lake	12159.5*	Max WS	1387.89	21.09	28.85		28.86	0.000043	0.48	2869.09	598.09	0.04
Hempstead Lake	12150.8*	Max WS	1387.89	21.09	28.85		28.86	0.000045	0.50	2772.76	585.53	0.04
Hempstead Lake	12142.1*	Max WS	1387.88	21.08	28.85		28.85	0.000037	0.52	2680.23	573.10	0.04
Hempstead Lake	12133.5*	Max WS	1387.88	21.08	28.85		28.85	0.000038	0.54	2589.48	561.11	0.04
Hempstead Lake	12124.8*	Max WS	1387.87	21.07	28.85		28.85	0.000039	0.56	2502.90	549.37	0.05
Hempstead Lake	12116.1*	Max WS	1387.87	21.07	28.85		28.85	0.000041	0.57	2418.11	537.70	0.05
Hempstead Lake	12107.4*	Max WS	1387.86	21.06	28.85		28.85	0.000042	0.60	2336.71	526.14	0.05
Hempstead Lake	12098.7*	Max WS	1387.86	21.06	28.85		28.85	0.000043	0.62	2258.04	514.59	0.05
Hempstead Lake	12090.0*	Max WS	1387.85	21.05	28.85		28.85	0.000044	0.64	2182.66	502.53	0.05
Hempstead Lake	12081.3*	Max WS	1387.85	21.05	28.85		28.85	0.000045	0.66	2109.99	490.46	0.06
Hempstead Lake	12072.6*	Max WS	1387.84	21.04	28.84		28.85	0.000046	0.68	2040.73	479.00	0.06
Hempstead Lake	12063.9*	Max WS	1387.84	21.04	28.84		28.85	0.000047	0.71	1973.73	468.17	0.06
Hempstead Lake	12055.2*	Max WS	1387.83	21.03	28.84		28.85	0.000045	0.73	1910.08	458.25	0.06
Hempstead Lake	12046.5*	Max WS	1387.83	21.03	28.84		28.85	0.000046	0.75	1848.68	449.31	0.06
Hempstead Lake	12037.9*	Max WS	1387.83	21.02	28.84		28.85	0.000046	0.78	1790.57	440.14	0.07
Hempstead Lake	12029.2*	Max WS	1387.82	21.02	28.84		28.85	0.000046	0.81	1735.00	435.36	0.07
Hempstead Lake	12020.5*	Max WS	1387.82	21.01	28.84		28.85	0.000046	0.83	1683.00	427.26	0.07
Hempstead Lake	12011.8*	Max WS	1387.82	21.01	28.84		28.85	0.000045	0.86	1632.77	417.48	0.07
Hempstead Lake	12003.1*	Max WS	1387.81	21.00	28.84		28.85	0.000045	0.89	1585.61	407.73	0.08
Hempstead Lake	11994.45	Max WS	1387.81	21.00	28.84		28.85	0.000047	0.92	1539.39	396.60	0.08
Hempstead Lake	11989.45	Max WS	1387.81	21.00	28.83	22.97	28.85	0.000053	1.01	1388.91	392.74	0.09
Hempstead Lake	11979.45		Inl Struct									
Hempstead Lake	11969.45	Max WS	1387.81	21.00	28.80		28.83	0.000131	1.31	1056.68	279.32	0.09

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11964.45	Max WS	1387.81	21.00	28.80		28.83	0.000209	1.31	1056.54	268.14	0.09
Hempstead Lake	11954.6*	Max WS	1387.81	20.92	28.80		28.83	0.000067	1.39	1000.34	263.29	0.10
Hempstead Lake	11944.8*	Max WS	1387.80	20.83	28.79		28.83	0.000078	1.47	945.03	257.75	0.10
Hempstead Lake	11934.9*	Max WS	1387.80	20.75	28.79		28.83	0.000091	1.56	889.00	251.48	0.11
Hempstead Lake	11925.1*	Max WS	1387.80	20.66	28.78		28.82	0.000107	1.66	834.03	243.61	0.12
Hempstead Lake	11915.3*	Max WS	1387.80	20.58	28.77		28.82	0.000125	1.78	778.99	234.37	0.13
Hempstead Lake	11905.5*	Max WS	1387.80	20.49	28.77		28.82	0.000148	1.91	725.16	221.19	0.14
Hempstead Lake	11895.6*	Max WS	1387.80	20.41	28.75		28.82	0.000176	2.07	671.66	207.33	0.15
Hempstead Lake	11885.8*	Max WS	1387.80	20.32	28.74		28.82	0.000209	2.24	619.93	188.29	0.17
Hempstead Lake	11876.0*	Max WS	1387.79	20.24	28.72		28.82	0.000250	2.44	568.96	172.59	0.18
Hempstead Lake	11866.2*	Max WS	1387.79	20.15	28.70		28.81	0.000294	2.66	521.85	151.28	0.20
Hempstead Lake	11856.4*	Max WS	1387.79	20.07	28.68		28.81	0.000276	2.88	481.29	115.89	0.20
Hempstead Lake	11846.5*	Max WS	1387.79	19.98	28.66		28.81	0.000318	3.10	447.94	104.38	0.21
Hempstead Lake	11836.7*	Max WS	1387.79	19.90	28.63		28.80	0.000375	3.35	414.00	86.72	0.23
Hempstead Lake	11826.9*	Max WS	1387.79	19.81	28.59		28.80	0.000453	3.65	380.41	56.03	0.25
Hempstead Lake	11817.1*	Max WS	1387.79	19.73	28.55		28.80	0.000572	4.01	345.96	51.43	0.27
Hempstead Lake	11807.2*	Max WS	1387.79	19.64	28.48		28.79	0.000757	4.46	311.28	46.90	0.30
Hempstead Lake	11797.46	Max WS	1387.79	19.56	28.39		28.78	0.001037	5.04	275.41	42.40	0.35
Hempstead Lake	11792.46	Max WS	1387.79	19.56	28.49		28.78	0.000745	4.30	322.95	52.34	0.30
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	232.97	19.54	24.28		24.32	0.000210	1.66	140.35	36.93	0.15
Hempstead Lake	11627.46	Max WS	230.89	19.54	24.28		24.32	0.000227	1.71	134.99	36.13	0.16
Hempstead Lake	11623.2*	Max WS	226.87	19.43	24.27		24.32	0.000337	1.85	122.90	34.30	0.17
Hempstead Lake	11619.1*	Max WS	226.17	19.31	24.26		24.32	0.000385	1.87	121.07	34.03	0.17
Hempstead Lake	11614.94	Max WS	231.84	19.20	24.28		24.32	0.000202	1.61	144.02	38.90	0.15
Hempstead Lake	11612.94	Max WS	231.36	19.20	24.28		24.32	0.000203	1.60	144.28	39.35	0.15
Hempstead Lake	11606.9*	Max WS	231.05	19.20	24.28		24.32	0.000216	1.60	144.27	39.45	0.15
Hempstead Lake	11600.94	Max WS	230.74	19.20	24.27		24.31	0.000202	1.60	144.33	39.58	0.15
Hempstead Lake	11598.94	Max WS	230.43	19.20	24.27		24.31	0.000202	1.60	144.21	39.41	0.15
Hempstead Lake	11573.9*	Max WS	241.05	19.18	24.30		24.31	0.000058	0.91	265.72	63.87	0.08
Hempstead Lake	11548.9*	Max WS	246.52	19.15	24.30		24.31	0.000030	0.64	387.18	88.25	0.05
Hempstead Lake	11523.9*	Max WS	246.71	19.12	24.31		24.31	0.000018	0.48	509.04	112.73	0.04
Hempstead Lake	11498.9*	Max WS	247.09	19.10	24.31		24.31	0.000013	0.39	631.22	137.29	0.03
Hempstead Lake	11473.9*	Max WS	247.46	19.08	24.31		24.31	0.000011	0.33	753.82	161.91	0.03
Hempstead Lake	11448.9*	Max WS	247.46	19.05	24.31		24.31	0.000010	0.28	877.37	186.69	0.02
Hempstead Lake	11423.9*	Max WS	247.46	19.02	24.31		24.31	0.000008	0.25	1001.45	211.57	0.02
Hempstead Lake	11398.9*	Max WS	247.09	19.00	24.31		24.31	0.000007	0.22	1125.96	236.65	0.02
Hempstead Lake	11373.9*	Max WS	247.46	18.98	24.31		24.31	0.000006	0.20	1251.33	261.93	0.02
Hempstead Lake	11349.*	Max WS	247.27	18.95	24.31		24.31	0.000006	0.18	1378.07	287.44	0.01
Hempstead Lake	11324.*	Max WS	247.08	18.92	24.31		24.31	0.000005	0.16	1505.52	312.83	0.01
Hempstead Lake	11299.0*	Max WS	247.27	18.90	24.31		24.31	0.000005	0.15	1633.21	337.38	0.01
Hempstead Lake	11274.0*	Max WS	246.90	18.88	24.31		24.31	0.000004	0.14	1763.95	372.19	0.01
Hempstead Lake	11249.0*	Max WS	247.08	18.85	24.31		24.31	0.000004	0.13	1905.51	419.02	0.01
Hempstead Lake	11224.0*	Max WS	247.27	18.83	24.31		24.31	0.000004	0.12	2091.68	657.90	0.01
Hempstead Lake	11199.0*	Max WS	246.71	18.80	24.31		24.31	0.000003	0.10	2507.80	982.31	0.01
Hempstead Lake	11174.0*	Max WS	246.89	18.77	24.31		24.31	0.000002	0.09	3062.41	1219.77	0.01
Hempstead Lake	11149.0*	Max WS	247.26	18.75	24.31		24.31	0.000001	0.07	3752.06	1316.75	0.01
Hempstead Lake	11124.0*	Max WS	247.07	18.73	24.31		24.31	0.000001	0.05	4497.57	1392.99	0.00
Hempstead Lake	11099.0*	Max WS	247.25	18.70	24.31		24.31	0.000000	0.04	5294.22	1467.33	0.00
Hempstead Lake	11074.0*	Max WS	247.07	18.67	24.31		24.31	0.000000	0.03	6146.06	1540.69	0.00
Hempstead Lake	11049.07	Max WS	246.89	18.65	24.31		24.31	0.000000	0.04	7046.91	1612.45	0.00
Hempstead Lake	11038.4*	Max WS	247.06	18.61	24.31		24.31	0.000000	0.02	6630.90	1592.86	0.00
Hempstead Lake	11027.7*	Max WS	246.71	18.58	24.31		24.31	0.000000	0.03	6231.66	1573.20	0.00
Hempstead Lake	11017.0*	Max WS	246.53	18.54	24.31		24.31	0.000000	0.03	5845.66	1553.47	0.00
Hempstead Lake	11006.4*	Max WS	246.88	18.50	24.31		24.31	0.000000	0.04	5473.71	1533.72	0.00
Hempstead Lake	10995.7*	Max WS	246.88	18.47	24.31		24.31	0.000001	0.04	5120.38	1514.13	0.00
Hempstead Lake	10985.0*	Max WS	247.05	18.43	24.31		24.31	0.000001	0.05	4780.86	1494.78	0.00
Hempstead Lake	10974.4*	Max WS	246.71	18.39	24.31		24.31	0.000001	0.05	4455.66	1475.34	0.00
Hempstead Lake	10963.7*	Max WS	246.71	18.35	24.31		24.31	0.000001	0.06	4147.73	1455.78	0.01
Hempstead Lake	10953.1*	Max WS	246.88	18.32	24.31		24.31	0.000001	0.07	3854.47	1436.25	0.01
Hempstead Lake	10942.4*	Max WS	247.05	18.28	24.31		24.31	0.000001	0.07	3593.30	1280.21	0.01
Hempstead Lake	10931.7*	Max WS	246.88	18.24	24.31		24.31	0.000001	0.08	3383.26	1217.58	0.01
Hempstead Lake	10921.1*	Max WS	246.71	18.21	24.31		24.31	0.000001	0.08	3199.06	1156.17	0.01
Hempstead Lake	10910.4*	Max WS	246.87	18.17	24.31		24.31	0.000001	0.08	3067.36	929.01	0.01
Hempstead Lake	10899.7*	Max WS	246.71	18.13	24.31		24.31	0.000001	0.08	3010.75	729.15	0.01
Hempstead Lake	10889.1*	Max WS	246.54	18.10	24.31		24.31	0.000001	0.08	3007.05	688.74	0.01
Hempstead Lake	10878.4*	Max WS	246.71	18.06	24.31		24.31	0.000001	0.08	3013.23	683.95	0.01
Hempstead Lake	10867.8*	Max WS	246.70	18.02	24.31		24.31	0.000001	0.08	3024.41	680.35	0.01
Hempstead Lake	10857.1*	Max WS	246.87	17.99	24.31		24.31	0.000001	0.08	3036.43	675.05	0.01
Hempstead Lake	10846.4*	Max WS	246.87	17.95	24.31		24.31	0.000001	0.08	3053.34	669.52	0.01
Hempstead Lake	10835.8*	Max WS	246.70	17.91	24.31		24.31	0.000001	0.08	3071.55	664.90	0.01
Hempstead Lake	10825.1*	Max WS	246.70	17.88	24.31		24.31	0.000001	0.08	3092.94	661.28	0.01
Hempstead Lake	10814.4*	Max WS	246.70	17.84	24.31		24.31	0.000001	0.08	3117.01	658.22	0.01
Hempstead Lake	10803.8*	Max WS	246.86	17.80	24.31		24.31	0.000001	0.08	3142.11	656.14	0.01
Hempstead Lake	10793.1*	Max WS	246.86	17.76	24.31		24.31	0.000001	0.08	3169.87	655.17	0.01
Hempstead Lake	10782.4*	Max WS	246.70	17.73	24.31		24.31	0.000001	0.08	3197.72	654.99	0.01
Hempstead Lake	10771.8*	Max WS	246.70	17.69	24.31		24.31	0.000001	0.08	3228.23	655.39	0.01
Hempstead Lake	10761.1*	Max WS	246.70	17.65	24.31		24.31	0.000001	0.08	3259.88	656.09	0.01
Hempstead Lake	10750.5*	Max WS	246.86	17.62	24.31		24.31	0.000001	0.08	3290.62	657.16	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10739.8*	Max WS	246.70	17.58	24.31		24.31	0.000001	0.07	3324.09	658.42	0.01
Hempstead Lake	10729.1*	Max WS	246.70	17.54	24.31		24.31	0.000001	0.07	3357.98	659.93	0.01
Hempstead Lake	10718.5*	Max WS	246.70	17.51	24.31		24.31	0.000001	0.07	3391.08	661.62	0.01
Hempstead Lake	10707.8*	Max WS	246.85	17.47	24.31		24.31	0.000000	0.07	3427.62	663.67	0.01
Hempstead Lake	10697.1*	Max WS	246.85	17.43	24.31		24.31	0.000000	0.07	3462.96	665.83	0.01
Hempstead Lake	10686.5*	Max WS	246.69	17.40	24.31		24.31	0.000000	0.07	3499.69	668.22	0.01
Hempstead Lake	10675.8*	Max WS	246.54	17.36	24.31		24.31	0.000000	0.07	3536.90	670.53	0.01
Hempstead Lake	10665.2*	Max WS	246.54	17.32	24.31		24.31	0.000000	0.07	3574.64	673.11	0.01
Hempstead Lake	10654.5*	Max WS	246.54	17.29	24.31		24.31	0.000000	0.07	3611.87	675.96	0.01
Hempstead Lake	10643.8*	Max WS	246.54	17.25	24.31		24.31	0.000000	0.07	3651.37	678.81	0.01
Hempstead Lake	10633.2*	Max WS	246.54	17.21	24.31		24.31	0.000000	0.07	3690.94	681.65	0.01
Hempstead Lake	10622.5*	Max WS	246.69	17.17	24.31		24.31	0.000000	0.07	3731.02	684.76	0.00
Hempstead Lake	10611.8*	Max WS	246.84	17.14	24.31		24.31	0.000000	0.07	3770.30	687.89	0.00
Hempstead Lake	10601.2*	Max WS	246.84	17.10	24.31		24.31	0.000000	0.06	3811.83	691.20	0.00
Hempstead Lake	10590.5*	Max WS	246.53	17.06	24.31		24.31	0.000000	0.06	3853.04	694.52	0.00
Hempstead Lake	10579.8*	Max WS	246.39	17.03	24.31		24.31	0.000000	0.06	3894.27	697.94	0.00
Hempstead Lake	10569.23	Max WS	246.53	16.99	24.31		24.31	0.000000	0.06	3936.34	701.40	0.00
Hempstead Lake	10549.1*	Max WS	246.83	16.96	24.31		24.31	0.000000	0.06	3934.62	702.35	0.00
Hempstead Lake	10529.0*	Max WS	246.38	16.94	24.31		24.31	0.000000	0.06	3934.76	703.55	0.00
Hempstead Lake	10508.9*	Max WS	246.23	16.91	24.31		24.31	0.000000	0.06	3936.08	704.71	0.00
Hempstead Lake	10488.7*	Max WS	246.53	16.89	24.31		24.31	0.000000	0.06	3937.46	706.13	0.00
Hempstead Lake	10468.6*	Max WS	246.38	16.86	24.31		24.31	0.000000	0.06	3941.93	707.86	0.00
Hempstead Lake	10448.5*	Max WS	246.68	16.83	24.31		24.31	0.000000	0.06	3948.09	709.74	0.00
Hempstead Lake	10428.4*	Max WS	246.68	16.81	24.31		24.31	0.000000	0.06	3955.15	711.79	0.00
Hempstead Lake	10408.3*	Max WS	246.68	16.78	24.31		24.31	0.000000	0.06	3965.61	714.13	0.00
Hempstead Lake	10388.2*	Max WS	246.68	16.76	24.31		24.31	0.000000	0.06	3975.26	716.73	0.00
Hempstead Lake	10368.1*	Max WS	246.67	16.73	24.31		24.31	0.000000	0.06	3989.51	719.72	0.00
Hempstead Lake	10348.0*	Max WS	246.38	16.71	24.31		24.31	0.000000	0.06	4003.53	722.75	0.00
Hempstead Lake	10327.9*	Max WS	246.53	16.68	24.31		24.31	0.000000	0.06	4020.53	726.33	0.00
Hempstead Lake	10307.8*	Max WS	246.81	16.65	24.31		24.31	0.000000	0.06	4040.39	730.21	0.00
Hempstead Lake	10287.7*	Max WS	246.53	16.63	24.31		24.31	0.000000	0.06	4061.42	734.49	0.00
Hempstead Lake	10267.6*	Max WS	246.67	16.60	24.31		24.31	0.000000	0.06	4085.96	739.15	0.00
Hempstead Lake	10247.4*	Max WS	246.53	16.58	24.31		24.31	0.000000	0.06	4111.64	744.26	0.00
Hempstead Lake	10227.3*	Max WS	246.38	16.55	24.31		24.31	0.000000	0.06	4140.70	749.90	0.00
Hempstead Lake	10207.2*	Max WS	246.81	16.52	24.31		24.31	0.000000	0.06	4173.83	756.67	0.00
Hempstead Lake	10187.1*	Max WS	246.53	16.50	24.31		24.31	0.000000	0.06	4208.49	764.84	0.00
Hempstead Lake	10167.0*	Max WS	246.66	16.47	24.31		24.31	0.000000	0.06	4248.85	774.12	0.00
Hempstead Lake	10146.9*	Max WS	246.52	16.45	24.31		24.31	0.000000	0.06	4291.41	784.42	0.00
Hempstead Lake	10126.8*	Max WS	246.52	16.42	24.31		24.31	0.000000	0.06	4341.71	795.91	0.00
Hempstead Lake	10106.7*	Max WS	246.80	16.40	24.31		24.31	0.000000	0.06	4393.29	801.58	0.00
Hempstead Lake	10086.6*	Max WS	246.52	16.37	24.31		24.31	0.000000	0.06	4446.97	802.36	0.00
Hempstead Lake	10066.5*	Max WS	246.66	16.34	24.31		24.31	0.000000	0.05	4505.55	803.17	0.00
Hempstead Lake	10046.4*	Max WS	246.52	16.32	24.31		24.31	0.000000	0.05	4563.33	803.87	0.00
Hempstead Lake	10026.2*	Max WS	246.65	16.29	24.31		24.31	0.000000	0.05	4623.46	804.51	0.00
Hempstead Lake	10006.1*	Max WS	246.52	16.27	24.31		24.31	0.000000	0.05	4683.71	805.11	0.00
Hempstead Lake	9986.073	Max WS	246.38	16.24	24.31		24.31	0.000000	0.05	4745.78	805.79	0.00
Hempstead Lake	9965.77*	Max WS	246.65	16.21	24.31		24.31	0.000000	0.05	4762.48	804.18	0.00
Hempstead Lake	9945.47*	Max WS	246.78	16.19	24.31		24.31	0.000000	0.05	4777.28	802.70	0.00
Hempstead Lake	9925.18*	Max WS	246.65	16.16	24.31		24.31	0.000000	0.05	4793.83	801.19	0.00
Hempstead Lake	9904.88*	Max WS	246.52	16.13	24.31		24.31	0.000000	0.05	4810.27	799.97	0.00
Hempstead Lake	9884.59*	Max WS	246.38	16.11	24.31		24.31	0.000000	0.05	4825.51	798.85	0.00
Hempstead Lake	9864.29*	Max WS	246.38	16.08	24.31		24.31	0.000000	0.05	4842.26	797.96	0.00
Hempstead Lake	9843.99*	Max WS	246.51	16.05	24.31		24.31	0.000000	0.05	4859.75	797.03	0.00
Hempstead Lake	9823.7*	Max WS	246.64	16.03	24.31		24.31	0.000000	0.05	4875.94	796.51	0.00
Hempstead Lake	9803.40*	Max WS	246.51	16.00	24.31		24.31	0.000000	0.05	4892.84	796.07	0.00
Hempstead Lake	9783.10*	Max WS	246.64	15.97	24.31		24.31	0.000000	0.05	4910.77	795.83	0.00
Hempstead Lake	9762.81*	Max WS	246.77	15.95	24.31		24.31	0.000000	0.05	4927.43	795.95	0.00
Hempstead Lake	9742.51*	Max WS	246.77	15.92	24.31		24.31	0.000000	0.05	4946.48	796.25	0.00
Hempstead Lake	9722.21*	Max WS	246.64	15.89	24.31		24.31	0.000000	0.05	4965.53	797.04	0.00
Hempstead Lake	9701.92*	Max WS	246.76	15.87	24.31		24.31	0.000000	0.05	4984.65	798.02	0.00
Hempstead Lake	9681.62*	Max WS	246.64	15.84	24.31		24.31	0.000000	0.05	5004.35	796.82	0.00
Hempstead Lake	9661.32*	Max WS	246.51	15.81	24.31		24.31	0.000000	0.05	5026.38	794.82	0.00
Hempstead Lake	9641.03*	Max WS	246.51	15.79	24.31		24.31	0.000000	0.05	5045.86	792.60	0.00
Hempstead Lake	9620.73*	Max WS	246.63	15.76	24.31		24.31	0.000000	0.05	5066.72	790.32	0.00
Hempstead Lake	9600.43*	Max WS	246.39	15.73	24.31		24.31	0.000000	0.05	5086.43	787.79	0.00
Hempstead Lake	9580.14*	Max WS	246.75	15.71	24.31		24.31	0.000000	0.05	5106.00	785.19	0.00
Hempstead Lake	9559.84*	Max WS	246.39	15.68	24.31		24.31	0.000000	0.05	5126.44	782.50	0.00
Hempstead Lake	9539.54*	Max WS	246.75	15.66	24.31		24.31	0.000000	0.05	5145.70	779.62	0.00
Hempstead Lake	9519.25*	Max WS	246.63	15.63	24.31		24.31	0.000000	0.05	5163.56	776.74	0.00
Hempstead Lake	9498.95*	Max WS	246.51	15.60	24.31		24.31	0.000000	0.05	5184.12	773.63	0.00
Hempstead Lake	9478.65*	Max WS	246.62	15.58	24.31		24.31	0.000000	0.05	5202.46	770.41	0.00
Hempstead Lake	9458.36*	Max WS	246.74	15.55	24.31		24.31	0.000000	0.05	5220.88	767.21	0.00
Hempstead Lake	9438.06*	Max WS	246.62	15.52	24.31		24.31	0.000000	0.05	5237.72	763.78	0.00
Hempstead Lake	9417.76*	Max WS	246.74	15.50	24.31		24.31	0.000000	0.05	5255.06	760.31	0.00
Hempstead Lake	9397.47*	Max WS	246.50	15.47	24.31		24.31	0.000000	0.05	5271.16	756.77	0.00
Hempstead Lake	9377.17*	Max WS	246.74	15.44	24.31		24.31	0.000000	0.05	5288.82	753.12	0.00
Hempstead Lake	9356.87*	Max WS	246.74	15.42	24.31		24.31	0.000000	0.05	5301.96	749.35	0.00
Hempstead Lake	9336.58*	Max WS	246.74	15.39	24.31		24.31	0.000000	0.05	5317.81	745.53	0.00
Hempstead Lake	9316.28*	Max WS	246.39	15.36	24.31		24.31	0.000000	0.05	5333.02	741.60	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9295.98*	Max WS	246.39	15.34	24.31		24.31	0.000000	0.05	5345.57	737.60	0.00
Hempstead Lake	9275.69*	Max WS	246.62	15.31	24.31		24.31	0.000000	0.05	5358.85	733.56	0.00
Hempstead Lake	9255.39*	Max WS	246.27	15.28	24.31		24.31	0.000000	0.05	5371.18	729.38	0.00
Hempstead Lake	9235.09*	Max WS	246.50	15.26	24.31		24.31	0.000000	0.05	5381.34	725.16	0.00
Hempstead Lake	9214.80*	Max WS	246.39	15.23	24.31		24.31	0.000000	0.05	5393.52	720.90	0.00
Hempstead Lake	9194.50*	Max WS	246.61	15.20	24.31		24.31	0.000000	0.05	5403.06	716.50	0.00
Hempstead Lake	9174.20*	Max WS	246.61	15.18	24.31		24.31	0.000000	0.05	5411.06	712.09	0.00
Hempstead Lake	9153.910	Max WS	246.28	15.15	24.31		24.31	0.000000	0.05	5420.31	707.61	0.00
Hempstead Lake	9133.22*	Max WS	254.17	15.12	24.31		24.31	0.000000	0.05	5423.57	710.34	0.00
Hempstead Lake	9112.54*	Max WS	254.28	15.10	24.31		24.31	0.000000	0.05	5423.71	713.00	0.00
Hempstead Lake	9091.85*	Max WS	254.06	15.07	24.31		24.31	0.000000	0.05	5426.67	715.59	0.00
Hempstead Lake	9071.17*	Max WS	254.28	15.05	24.31		24.31	0.000000	0.05	5427.17	718.13	0.00
Hempstead Lake	9050.49*	Max WS	254.16	15.02	24.31		24.31	0.000000	0.05	5428.32	720.53	0.00
Hempstead Lake	9029.80*	Max WS	254.16	15.00	24.31		24.31	0.000000	0.05	5428.02	722.89	0.00
Hempstead Lake	9009.12*	Max WS	254.27	14.97	24.31		24.31	0.000000	0.05	5428.41	725.11	0.00
Hempstead Lake	8988.44*	Max WS	254.05	14.95	24.31		24.31	0.000000	0.05	5428.05	727.33	0.00
Hempstead Lake	8967.75*	Max WS	254.05	14.92	24.31		24.31	0.000000	0.05	5427.62	729.35	0.00
Hempstead Lake	8947.07*	Max WS	254.05	14.90	24.31		24.31	0.000000	0.05	5426.30	731.33	0.00
Hempstead Lake	8926.39*	Max WS	254.05	14.87	24.31		24.31	0.000000	0.05	5425.61	733.16	0.00
Hempstead Lake	8905.70*	Max WS	254.05	14.85	24.31		24.31	0.000000	0.05	5424.67	735.02	0.00
Hempstead Lake	8885.02*	Max WS	254.26	14.82	24.31		24.31	0.000000	0.05	5423.19	736.70	0.00
Hempstead Lake	8864.33*	Max WS	254.15	14.80	24.31		24.31	0.000000	0.05	5420.80	738.21	0.00
Hempstead Lake	8843.65*	Max WS	254.05	14.77	24.31		24.31	0.000000	0.05	5419.80	739.21	0.00
Hempstead Lake	8822.97*	Max WS	253.95	14.75	24.31		24.31	0.000000	0.05	5417.24	739.81	0.00
Hempstead Lake	8802.28*	Max WS	254.15	14.72	24.31		24.31	0.000000	0.05	5415.70	739.53	0.00
Hempstead Lake	8781.60*	Max WS	254.25	14.70	24.31		24.31	0.000000	0.05	5413.79	738.82	0.00
Hempstead Lake	8760.92*	Max WS	254.15	14.67	24.31		24.31	0.000000	0.05	5412.43	737.70	0.00
Hempstead Lake	8740.23*	Max WS	254.15	14.65	24.31		24.31	0.000000	0.05	5412.45	736.07	0.00
Hempstead Lake	8719.55*	Max WS	254.05	14.62	24.31		24.31	0.000000	0.05	5411.29	733.66	0.00
Hempstead Lake	8698.86*	Max WS	254.25	14.60	24.31		24.31	0.000000	0.05	5413.94	730.80	0.00
Hempstead Lake	8678.18*	Max WS	254.15	14.57	24.31		24.31	0.000000	0.05	5415.47	729.41	0.00
Hempstead Lake	8657.50*	Max WS	254.14	14.55	24.31		24.31	0.000000	0.05	5416.57	728.35	0.00
Hempstead Lake	8636.81*	Max WS	254.14	14.52	24.31		24.31	0.000000	0.05	5419.94	727.17	0.00
Hempstead Lake	8616.13*	Max WS	254.05	14.50	24.31		24.31	0.000000	0.05	5422.32	725.72	0.00
Hempstead Lake	8595.45*	Max WS	253.95	14.47	24.31		24.31	0.000000	0.05	5428.20	722.81	0.00
Hempstead Lake	8574.76*	Max WS	254.14	14.45	24.31		24.31	0.000000	0.05	5432.22	719.57	0.00
Hempstead Lake	8554.08*	Max WS	254.23	14.42	24.31		24.31	0.000000	0.05	5439.19	716.80	0.00
Hempstead Lake	8533.39*	Max WS	254.14	14.40	24.31		24.31	0.000000	0.05	5446.08	714.25	0.00
Hempstead Lake	8512.71*	Max WS	254.14	14.37	24.31		24.31	0.000000	0.05	5454.28	711.89	0.00
Hempstead Lake	8492.03*	Max WS	254.04	14.35	24.31		24.31	0.000000	0.05	5463.82	709.86	0.00
Hempstead Lake	8471.34*	Max WS	254.23	14.32	24.31		24.31	0.000000	0.05	5474.32	707.90	0.00
Hempstead Lake	8450.66*	Max WS	253.95	14.30	24.31		24.31	0.000000	0.05	5484.91	706.18	0.00
Hempstead Lake	8429.980	Max WS	253.95	14.27	24.31		24.31	0.000000	0.05	5495.46	704.48	0.00
Hempstead Lake	8416.34*	Max WS	254.13	14.25	24.31		24.31	0.000000	0.05	5532.42	709.59	0.00
Hempstead Lake	8402.71*	Max WS	254.04	14.23	24.31		24.31	0.000000	0.05	5570.83	714.76	0.00
Hempstead Lake	8389.07*	Max WS	254.04	14.21	24.31		24.31	0.000000	0.05	5610.25	719.92	0.00
Hempstead Lake	8375.44*	Max WS	254.13	14.19	24.31		24.31	0.000000	0.04	5651.93	725.23	0.00
Hempstead Lake	8361.81*	Max WS	254.13	14.16	24.31		24.31	0.000000	0.04	5692.35	730.35	0.00
Hempstead Lake	8348.17*	Max WS	254.13	14.14	24.31		24.31	0.000000	0.04	5734.22	735.55	0.00
Hempstead Lake	8334.54*	Max WS	253.95	14.12	24.31		24.31	0.000000	0.04	5776.21	740.71	0.00
Hempstead Lake	8320.91*	Max WS	254.04	14.10	24.31		24.31	0.000000	0.04	5819.20	745.92	0.00
Hempstead Lake	8307.27*	Max WS	254.04	14.08	24.31		24.31	0.000000	0.04	5862.47	751.05	0.00
Hempstead Lake	8293.64*	Max WS	254.12	14.06	24.31		24.31	0.000000	0.04	5909.04	756.41	0.00
Hempstead Lake	8280.00*	Max WS	254.21	14.04	24.31		24.31	0.000000	0.04	5954.01	761.60	0.00
Hempstead Lake	8266.37*	Max WS	254.04	14.02	24.31		24.31	0.000000	0.04	5998.52	766.75	0.00
Hempstead Lake	8252.74*	Max WS	254.04	13.99	24.31		24.31	0.000000	0.04	6046.01	772.00	0.00
Hempstead Lake	8239.10*	Max WS	254.21	13.97	24.31		24.31	0.000000	0.04	6092.42	777.23	0.00
Hempstead Lake	8225.47*	Max WS	254.04	13.95	24.31		24.31	0.000000	0.04	6142.23	782.43	0.00
Hempstead Lake	8211.84*	Max WS	254.04	13.93	24.31		24.31	0.000000	0.04	6190.32	787.71	0.00
Hempstead Lake	8198.20*	Max WS	254.20	13.91	24.31		24.31	0.000000	0.04	6241.64	793.18	0.00
Hempstead Lake	8184.57*	Max WS	254.12	13.89	24.31		24.31	0.000000	0.04	6291.30	798.39	0.00
Hempstead Lake	8170.93*	Max WS	253.95	13.87	24.31		24.31	0.000000	0.04	6343.22	803.74	0.00
Hempstead Lake	8157.30*	Max WS	253.95	13.85	24.31		24.31	0.000000	0.04	6394.22	809.11	0.00
Hempstead Lake	8143.67*	Max WS	254.03	13.82	24.31		24.31	0.000000	0.04	6448.90	814.49	0.00
Hempstead Lake	8130.03*	Max WS	254.03	13.80	24.31		24.31	0.000000	0.04	6501.72	819.80	0.00
Hempstead Lake	8116.40*	Max WS	254.03	13.78	24.31		24.31	0.000000	0.04	6557.52	825.43	0.00
Hempstead Lake	8102.76*	Max WS	254.11	13.76	24.31		24.31	0.000000	0.04	6611.54	830.90	0.00
Hempstead Lake	8089.13*	Max WS	253.95	13.74	24.31		24.31	0.000000	0.04	6666.40	836.27	0.00
Hempstead Lake	8075.50*	Max WS	253.95	13.72	24.31		24.31	0.000000	0.04	6723.59	841.81	0.00
Hempstead Lake	8061.86*	Max WS	254.11	13.70	24.31		24.31	0.000000	0.04	6780.30	847.38	0.00
Hempstead Lake	8048.23*	Max WS	253.95	13.68	24.31		24.31	0.000000	0.04	6838.95	853.71	0.00
Hempstead Lake	8034.6*	Max WS	254.11	13.65	24.31		24.31	0.000000	0.04	6898.21	860.49	0.00
Hempstead Lake	8020.96*	Max WS	254.11	13.63	24.31		24.31	0.000000	0.04	6960.22	867.38	0.00
Hempstead Lake	8007.33*	Max WS	254.11	13.61	24.31		24.31	0.000000	0.04	7020.44	873.80	0.00
Hempstead Lake	7993.69*	Max WS	253.95	13.59	24.31		24.31	0.000000	0.04	7082.91	880.36	0.00
Hempstead Lake	7980.06*	Max WS	254.18	13.57	24.31		24.31	0.000000	0.04	7144.48	886.90	0.00
Hempstead Lake	7966.43*	Max WS	254.03	13.55	24.31		24.31	0.000000	0.04	7208.92	893.30	0.00
Hempstead Lake	7952.79*	Max WS	254.03	13.53	24.31		24.31	0.000000	0.03	7273.57	899.71	0.00
Hempstead Lake	7939.16*	Max WS	254.18	13.51	24.31		24.31	0.000000	0.03	7338.68	906.20	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7925.53*	Max WS	254.03	13.48	24.31		24.31	0.000000	0.03	7406.06	912.70	0.00
Hempstead Lake	7911.89*	Max WS	254.10	13.46	24.31		24.31	0.000000	0.03	7473.04	919.17	0.00
Hempstead Lake	7898.26*	Max WS	253.96	13.44	24.31		24.31	0.000000	0.03	7542.38	925.60	0.00
Hempstead Lake	7884.62*	Max WS	254.10	13.42	24.31		24.31	0.000000	0.03	7610.41	932.20	0.00
Hempstead Lake	7870.99*	Max WS	253.95	13.40	24.31		24.31	0.000000	0.03	7680.78	938.84	0.00
Hempstead Lake	7857.36*	Max WS	254.10	13.38	24.31		24.31	0.000000	0.03	7750.63	945.44	0.00
Hempstead Lake	7843.72*	Max WS	254.02	13.36	24.31		24.31	0.000000	0.03	7824.97	952.34	0.00
Hempstead Lake	7830.09*	Max WS	254.10	13.34	24.31		24.31	0.000000	0.03	7897.44	959.06	0.00
Hempstead Lake	7816.45*	Max WS	254.09	13.31	24.31		24.31	0.000000	0.03	7972.56	965.81	0.00
Hempstead Lake	7802.82*	Max WS	254.02	13.29	24.31		24.31	0.000000	0.03	8046.98	972.62	0.00
Hempstead Lake	7789.19*	Max WS	254.02	13.27	24.31		24.31	0.000000	0.03	8123.69	979.60	0.00
Hempstead Lake	7775.55*	Max WS	253.96	13.25	24.31		24.31	0.000000	0.03	8200.55	986.63	0.00
Hempstead Lake	7761.92*	Max WS	254.09	13.23	24.31		24.31	0.000000	0.03	8279.89	993.95	0.00
Hempstead Lake	7748.29*	Max WS	254.16	13.21	24.31		24.31	0.000000	0.03	8360.87	1001.29	0.00
Hempstead Lake	7734.65*	Max WS	254.16	13.19	24.31		24.31	0.000000	0.03	8440.63	1008.26	0.00
Hempstead Lake	7721.02*	Max WS	254.09	13.17	24.31		24.31	0.000000	0.03	8524.07	1015.74	0.00
Hempstead Lake	7707.38*	Max WS	254.02	13.14	24.31		24.31	0.000000	0.03	8607.13	1020.79	0.00
Hempstead Lake	7693.75*	Max WS	254.09	13.12	24.31		24.31	0.000000	0.03	8691.19	1024.99	0.00
Hempstead Lake	7680.12*	Max WS	254.02	13.10	24.31		24.31	0.000000	0.03	8776.21	1028.30	0.00
Hempstead Lake	7666.48*	Max WS	254.09	13.08	24.31		24.31	0.000000	0.03	8863.46	1031.61	0.00
Hempstead Lake	7652.85*	Max WS	254.09	13.06	24.31		24.31	0.000000	0.03	8947.16	1034.78	0.00
Hempstead Lake	7639.22*	Max WS	254.08	13.04	24.31		24.31	0.000000	0.03	9034.51	1037.96	0.00
Hempstead Lake	7625.58*	Max WS	254.08	13.02	24.31		24.31	0.000000	0.03	9120.45	1041.09	0.00
Hempstead Lake	7611.95*	Max WS	254.08	13.00	24.31		24.31	0.000000	0.03	9206.41	1044.25	0.00
Hempstead Lake	7598.31*	Max WS	254.08	12.97	24.31		24.31	0.000000	0.03	9294.80	1047.39	0.00
Hempstead Lake	7584.68*	Max WS	253.96	12.95	24.31		24.31	0.000000	0.03	9383.30	1050.46	0.00
Hempstead Lake	7571.05*	Max WS	254.14	12.93	24.31		24.31	0.000000	0.03	9473.08	1053.49	0.00
Hempstead Lake	7557.41*	Max WS	254.08	12.91	24.31		24.31	0.000000	0.03	9561.23	1056.55	0.00
Hempstead Lake	7543.783	Max WS	254.02	12.89	24.31		24.31	0.000000	0.03	9650.09	1059.58	0.00
Hempstead Lake	7530.03*	Max WS	261.67	12.85	24.31		24.31	0.000000	0.03	9684.65	1061.42	0.00
Hempstead Lake	7516.28*	Max WS	261.61	12.82	24.31		24.31	0.000000	0.03	9719.59	1063.28	0.00
Hempstead Lake	7502.53*	Max WS	261.67	12.78	24.31		24.31	0.000000	0.03	9754.73	1065.20	0.00
Hempstead Lake	7488.79*	Max WS	261.61	12.74	24.31		24.31	0.000000	0.03	9792.18	1067.19	0.00
Hempstead Lake	7475.04*	Max WS	261.54	12.71	24.31		24.31	0.000000	0.03	9827.29	1069.29	0.00
Hempstead Lake	7461.29*	Max WS	261.66	12.67	24.31		24.31	0.000000	0.03	9864.57	1071.45	0.00
Hempstead Lake	7447.54*	Max WS	261.48	12.63	24.31		24.31	0.000000	0.03	9904.69	1073.75	0.00
Hempstead Lake	7433.79*	Max WS	261.54	12.60	24.31		24.31	0.000000	0.03	9942.53	1076.15	0.00
Hempstead Lake	7420.04*	Max WS	261.60	12.56	24.31		24.31	0.000000	0.03	9981.20	1078.57	0.00
Hempstead Lake	7406.3*	Max WS	261.54	12.52	24.31		24.31	0.000000	0.03	10022.11	1081.18	0.00
Hempstead Lake	7392.55*	Max WS	261.66	12.49	24.31		24.31	0.000000	0.03	10062.89	1083.84	0.00
Hempstead Lake	7378.80*	Max WS	261.60	12.45	24.31		24.31	0.000000	0.03	10102.89	1086.24	0.00
Hempstead Lake	7365.05*	Max WS	261.54	12.41	24.31		24.31	0.000000	0.03	10145.83	1088.27	0.00
Hempstead Lake	7351.30*	Max WS	261.60	12.38	24.31		24.31	0.000000	0.03	10189.99	1090.14	0.00
Hempstead Lake	7337.55*	Max WS	261.54	12.34	24.31		24.31	0.000000	0.03	10233.97	1090.37	0.00
Hempstead Lake	7323.81*	Max WS	261.59	12.30	24.31		24.31	0.000000	0.03	10280.01	1090.05	0.00
Hempstead Lake	7310.06*	Max WS	261.59	12.26	24.31		24.31	0.000000	0.03	10325.58	1089.86	0.00
Hempstead Lake	7296.31*	Max WS	261.59	12.23	24.31		24.31	0.000000	0.03	10373.34	1089.70	0.00
Hempstead Lake	7282.56*	Max WS	261.54	12.19	24.31		24.31	0.000000	0.03	10420.73	1089.66	0.00
Hempstead Lake	7268.81*	Max WS	261.59	12.15	24.31		24.31	0.000000	0.02	10467.97	1089.62	0.00
Hempstead Lake	7255.06*	Max WS	261.64	12.12	24.31		24.31	0.000000	0.02	10516.22	1089.65	0.00
Hempstead Lake	7241.32*	Max WS	261.64	12.08	24.31		24.31	0.000000	0.02	10563.28	1089.95	0.00
Hempstead Lake	7227.57*	Max WS	261.59	12.04	24.31		24.31	0.000000	0.02	10614.29	1090.95	0.00
Hempstead Lake	7213.82*	Max WS	261.59	12.01	24.31		24.31	0.000000	0.02	10663.82	1092.01	0.00
Hempstead Lake	7200.07*	Max WS	261.58	11.97	24.31		24.31	0.000000	0.02	10712.35	1093.23	0.00
Hempstead Lake	7186.32*	Max WS	261.54	11.93	24.31		24.31	0.000000	0.02	10764.69	1094.37	0.00
Hempstead Lake	7172.57*	Max WS	261.53	11.90	24.31		24.31	0.000000	0.02	10815.95	1095.56	0.00
Hempstead Lake	7158.83*	Max WS	261.58	11.86	24.31		24.31	0.000000	0.02	10865.92	1096.90	0.00
Hempstead Lake	7145.08*	Max WS	261.49	11.82	24.31		24.31	0.000000	0.02	10919.08	1098.15	0.00
Hempstead Lake	7131.33*	Max WS	261.62	11.79	24.31		24.31	0.000000	0.02	10970.83	1099.51	0.00
Hempstead Lake	7117.58*	Max WS	261.49	11.75	24.31		24.31	0.000000	0.02	11025.53	1100.92	0.00
Hempstead Lake	7103.83*	Max WS	261.58	11.71	24.31		24.31	0.000000	0.02	11078.46	1098.36	0.00
Hempstead Lake	7090.08*	Max WS	261.58	11.68	24.31		24.31	0.000000	0.02	11131.13	1095.55	0.00
Hempstead Lake	7076.34*	Max WS	261.53	11.64	24.31		24.31	0.000000	0.02	11188.33	1092.80	0.00
Hempstead Lake	7062.59*	Max WS	261.62	11.60	24.31		24.31	0.000000	0.02	11242.74	1089.62	0.00
Hempstead Lake	7048.84*	Max WS	261.57	11.57	24.31		24.31	0.000000	0.02	11299.34	1086.65	0.00
Hempstead Lake	7035.09*	Max WS	261.57	11.53	24.31		24.31	0.000000	0.02	11357.77	1083.74	0.00
Hempstead Lake	7021.34*	Max WS	261.53	11.49	24.31		24.31	0.000000	0.02	11414.85	1083.58	0.00
Hempstead Lake	7007.6*	Max WS	261.53	11.46	24.31		24.31	0.000000	0.02	11474.40	1084.98	0.00
Hempstead Lake	6993.85*	Max WS	261.56	11.42	24.31		24.31	0.000000	0.02	11531.82	1086.53	0.00
Hempstead Lake	6980.10*	Max WS	261.53	11.38	24.31		24.31	0.000000	0.02	11592.71	1087.99	0.00
Hempstead Lake	6966.35*	Max WS	261.56	11.35	24.31		24.31	0.000000	0.02	11653.06	1089.45	0.00
Hempstead Lake	6952.60*	Max WS	261.56	11.31	24.31		24.31	0.000000	0.02	11712.36	1090.97	0.00
Hempstead Lake	6938.85*	Max WS	261.56	11.27	24.31		24.31	0.000000	0.02	11773.08	1092.42	0.00
Hempstead Lake	6925.11*	Max WS	261.60	11.23	24.31		24.31	0.000000	0.02	11833.55	1093.89	0.00
Hempstead Lake	6911.36*	Max WS	261.56	11.20	24.31		24.31	0.000000	0.02	11895.34	1095.44	0.00
Hempstead Lake	6897.61*	Max WS	261.60	11.16	24.31		24.31	0.000000	0.02	11956.67	1096.86	0.00
Hempstead Lake	6883.86*	Max WS	261.59	11.12	24.31		24.31	0.000000	0.02	12018.41	1098.34	0.00
Hempstead Lake	6870.11*	Max WS	261.59	11.09	24.31		24.31	0.000000	0.02	12079.56	1099.87	0.00
Hempstead Lake	6856.36*	Max WS	261.56	11.05	24.31		24.31	0.000000	0.02	12142.44	1101.25	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6842.62*	Max WS	261.56	11.01	24.31		24.31	0.000000	0.02	12204.87	1102.73	0.00
Hempstead Lake	6828.87*	Max WS	261.59	10.98	24.31		24.31	0.000000	0.02	12267.00	1104.21	0.00
Hempstead Lake	6815.12*	Max WS	261.58	10.94	24.31		24.31	0.000000	0.02	12330.54	1105.71	0.00
Hempstead Lake	6801.37*	Max WS	261.52	10.90	24.31		24.31	0.000000	0.02	12394.50	1107.15	0.00
Hempstead Lake	6787.62*	Max WS	261.49	10.87	24.31		24.31	0.000000	0.02	12458.28	1108.61	0.00
Hempstead Lake	6773.87*	Max WS	261.58	10.83	24.31		24.31	0.000000	0.02	12521.84	1110.03	0.00
Hempstead Lake	6760.13*	Max WS	261.49	10.79	24.31		24.31	0.000000	0.02	12586.67	1111.54	0.00
Hempstead Lake	6746.38*	Max WS	261.55	10.76	24.31		24.31	0.000000	0.02	12649.71	1112.95	0.00
Hempstead Lake	6732.634	Max WS	261.52	10.72	24.31		24.31	0.000000	0.02	12715.03	1114.20	0.00
Hempstead Lake	6718.98*	Max WS	261.49	10.73	24.31		24.31	0.000000	0.02	12554.02	1110.83	0.00
Hempstead Lake	6705.33*	Max WS	261.52	10.74	24.31		24.31	0.000000	0.02	12394.27	1107.50	0.00
Hempstead Lake	6691.68*	Max WS	261.52	10.75	24.31		24.31	0.000000	0.02	12235.30	1104.41	0.00
Hempstead Lake	6678.03*	Max WS	261.54	10.76	24.31		24.31	0.000000	0.02	12078.43	1101.54	0.00
Hempstead Lake	6664.38*	Max WS	261.54	10.77	24.31		24.31	0.000000	0.02	11921.68	1098.80	0.00
Hempstead Lake	6650.72*	Max WS	261.54	10.78	24.31		24.31	0.000000	0.02	11765.98	1096.30	0.00
Hempstead Lake	6637.07*	Max WS	261.54	10.79	24.31		24.31	0.000000	0.02	11612.31	1094.02	0.00
Hempstead Lake	6623.42*	Max WS	261.52	10.80	24.31		24.31	0.000000	0.02	11457.91	1091.78	0.00
Hempstead Lake	6609.77*	Max WS	261.56	10.81	24.31		24.31	0.000000	0.02	11305.41	1089.66	0.00
Hempstead Lake	6596.12*	Max WS	261.54	10.82	24.31		24.31	0.000000	0.02	11152.33	1087.63	0.00
Hempstead Lake	6582.47*	Max WS	261.53	10.83	24.31		24.31	0.000000	0.02	11000.92	1085.61	0.00
Hempstead Lake	6568.82*	Max WS	261.52	10.84	24.31		24.31	0.000000	0.02	10851.45	1083.66	0.00
Hempstead Lake	6555.17*	Max WS	261.50	10.85	24.31		24.31	0.000000	0.02	10700.42	1081.67	0.00
Hempstead Lake	6541.52*	Max WS	261.51	10.86	24.31		24.31	0.000000	0.02	10552.83	1079.75	0.00
Hempstead Lake	6527.87*	Max WS	261.54	10.87	24.31		24.31	0.000000	0.03	10403.98	1077.84	0.00
Hempstead Lake	6514.22*	Max WS	261.53	10.88	24.31		24.31	0.000000	0.03	10254.87	1075.91	0.00
Hempstead Lake	6500.57*	Max WS	261.53	10.89	24.31		24.31	0.000000	0.03	10108.47	1073.97	0.00
Hempstead Lake	6486.91*	Max WS	261.53	10.91	24.31		24.31	0.000000	0.03	9961.28	1071.97	0.00
Hempstead Lake	6473.26*	Max WS	261.54	10.92	24.31		24.31	0.000000	0.03	9815.45	1069.93	0.00
Hempstead Lake	6459.61*	Max WS	261.52	10.93	24.31		24.31	0.000000	0.03	9670.94	1067.86	0.00
Hempstead Lake	6445.96*	Max WS	261.51	10.94	24.31		24.31	0.000000	0.03	9526.22	1065.70	0.00
Hempstead Lake	6432.31*	Max WS	261.52	10.95	24.31		24.31	0.000000	0.03	9383.71	1063.47	0.00
Hempstead Lake	6418.66*	Max WS	261.52	10.96	24.31		24.31	0.000000	0.03	9239.00	1061.07	0.00
Hempstead Lake	6405.01*	Max WS	261.53	10.97	24.31		24.31	0.000000	0.03	9096.85	1058.52	0.00
Hempstead Lake	6391.36*	Max WS	261.51	10.98	24.31		24.31	0.000000	0.03	8957.91	1055.74	0.00
Hempstead Lake	6377.71*	Max WS	261.52	10.99	24.31		24.31	0.000000	0.03	8816.27	1052.72	0.00
Hempstead Lake	6364.06*	Max WS	261.51	11.00	24.31		24.31	0.000000	0.03	8678.88	1049.31	0.00
Hempstead Lake	6350.41*	Max WS	261.51	11.01	24.31		24.31	0.000000	0.03	8540.70	1044.97	0.00
Hempstead Lake	6336.76*	Max WS	261.51	11.02	24.31		24.31	0.000000	0.03	8405.95	1033.47	0.00
Hempstead Lake	6323.11*	Max WS	261.51	11.03	24.31		24.31	0.000000	0.03	8274.83	1022.27	0.00
Hempstead Lake	6309.45*	Max WS	261.51	11.04	24.31		24.31	0.000000	0.03	8143.89	1012.18	0.00
Hempstead Lake	6295.80*	Max WS	261.51	11.05	24.31		24.31	0.000000	0.03	8016.55	1003.40	0.00
Hempstead Lake	6282.15*	Max WS	261.50	11.06	24.31		24.31	0.000000	0.03	7893.54	994.64	0.00
Hempstead Lake	6268.507	Max WS	261.51	11.07	24.31		24.31	0.000000	0.03	7770.43	984.99	0.00
Hempstead Lake	6259.72*	Max WS	261.52	11.10	24.31		24.31	0.000000	0.03	8451.97	1005.10	0.00
Hempstead Lake	6250.93*	Max WS	261.51	11.14	24.31		24.31	0.000000	0.03	9162.99	1011.47	0.00
Hempstead Lake	6242.14*	Max WS	261.51	11.17	24.31		24.31	0.000000	0.03	9923.77	1005.31	0.00
Hempstead Lake	6233.35*	Max WS	261.50	11.21	24.31		24.31	0.000000	0.02	10743.93	1003.50	0.00
Hempstead Lake	6224.57*	Max WS	261.51	11.24	24.31		24.31	0.000000	0.02	11580.62	1039.53	0.00
Hempstead Lake	6215.78*	Max WS	261.51	11.27	24.31		24.31	0.000000	0.02	12409.37	1077.24	0.00
Hempstead Lake	6206.99*	Max WS	261.51	11.31	24.31		24.31	0.000000	0.02	13224.26	1115.99	0.00
Hempstead Lake	6198.21*	Max WS	261.51	11.34	24.31		24.31	0.000000	0.02	14023.78	1155.32	0.00
Hempstead Lake	6189.42*	Max WS	261.50	11.38	24.31		24.31	0.000000	0.02	14812.48	1195.13	0.00
Hempstead Lake	6180.638	Max WS	261.50	11.41	24.31		24.31	0.000000	0.02	15584.11	1235.21	0.00
Hempstead Lake	6177.638	Max WS	261.50	11.00	24.31	11.11	24.31	0.000000	0.02	16068.40	1233.53	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	243.43	10.80	18.41		18.51	0.027709	2.62	92.75	138.39	0.56
Hempstead Lake	5930.638	Max WS	261.50	10.80	17.87		17.92	0.010158	1.85	141.31	166.22	0.35
Hempstead Lake	5880.638	Max WS	261.41	10.80	17.15		17.26	0.017481	2.63	99.54	107.12	0.48
Hempstead Lake	5830.638	Max WS	276.87	10.80	16.60		16.95	0.000624	4.78	57.95	10.00	0.35
Hempstead Lake	5780.638	Max WS	264.12	10.80	16.48		16.82	0.000598	4.65	56.82	10.00	0.34
Hempstead Lake	5730.638	Max WS	261.13	10.80	16.44		16.77	0.000595	4.63	56.42	10.00	0.34
Hempstead Lake	5680.638	Max WS	261.11	10.80	16.41		16.74	0.000605	4.66	56.08	10.00	0.35
Hempstead Lake	5630.638	Max WS	261.07	10.80	16.37		16.71	0.000614	4.68	55.73	10.00	0.35
Hempstead Lake	5580.638	Max WS	261.07	10.80	16.34		16.68	0.000625	4.71	55.38	10.00	0.35
Hempstead Lake	5530.638	Max WS	260.97	10.80	16.30		16.65	0.000635	4.74	55.02	10.00	0.36
Hempstead Lake	5480.638	Max WS	260.97	10.80	16.26		16.62	0.000646	4.78	54.65	10.00	0.36
Hempstead Lake	5430.638	Max WS	261.07	8.00	16.36		16.48	0.004151	2.84	91.95	11.00	0.17
Hempstead Lake	5380.638	Max WS	260.87	8.00	16.23		16.36	0.000689	2.88	90.58	11.00	0.18
Hempstead Lake	5330.638	Max WS	260.58	8.00	16.10		16.23	0.004478	2.92	89.11	11.00	0.18
Hempstead Lake	5307.48*	Max WS	259.81	7.93	15.95		16.11	0.005969	3.24	80.19	10.00	0.20
Hempstead Lake	5284.32*	Max WS	256.71	7.87	15.74		15.94	0.008237	3.63	70.81	9.00	0.23
Hempstead Lake	5261.17*	Max WS	254.30	7.80	15.43		15.70	0.012201	4.16	61.07	8.00	0.27
Hempstead Lake	5238.01*	Max WS	259.79	7.73	15.02		15.12	0.035170	2.56	101.45	163.64	0.57
Hempstead Lake	5214.85*	Max WS	258.35	7.67	14.65		14.67	0.004215	1.27	202.93	194.33	0.22
Hempstead Lake	5191.70*	Max WS	258.13	7.60	14.61		14.62	0.000581	0.59	440.18	313.78	0.09
Hempstead Lake	5168.54*	Max WS	258.14	7.54	14.60		14.61	0.000122	0.36	719.39	333.79	0.04
Hempstead Lake	5145.39*	Max WS	258.11	7.47	14.60		14.60	0.000041	0.26	1006.83	346.00	0.03
Hempstead Lake	5122.23*	Max WS	258.13	7.40	14.60		14.60	0.000018	0.20	1296.92	353.09	0.02
Hempstead Lake	5099.07*	Max WS	258.12	7.34	14.60		14.60	0.000009	0.16	1587.46	360.66	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	5075.922	Max WS	258.12	7.27	14.60		14.60	0.000001	0.14	1878.28	368.45	0.01
Hempstead Lake	5055.96*	Max WS	258.10	7.23	14.60		14.60	0.000005	0.14	1871.84	383.82	0.01
Hempstead Lake	5036.01*	Max WS	258.11	7.20	14.60		14.60	0.000004	0.14	1895.95	409.29	0.01
Hempstead Lake	5016.05*	Max WS	258.11	7.16	14.60		14.60	0.000003	0.13	1971.38	452.47	0.01
Hempstead Lake	4996.10*	Max WS	258.12	7.12	14.60		14.60	0.000002	0.12	2239.04	582.85	0.01
Hempstead Lake	4976.14*	Max WS	258.12	7.09	14.60		14.60	0.000001	0.10	2576.33	590.80	0.01
Hempstead Lake	4956.192	Max WS	258.13	7.05	14.60		14.60	0.000000	0.09	2937.24	593.31	0.01
Hempstead Lake	4936.44*	Max WS	258.12	7.02	14.60		14.60	0.000001	0.08	3097.13	610.81	0.01
Hempstead Lake	4916.69*	Max WS	258.12	6.98	14.60		14.60	0.000001	0.08	3284.00	649.39	0.01
Hempstead Lake	4896.94*	Max WS	258.12	6.95	14.60		14.60	0.000001	0.07	3536.30	690.82	0.01
Hempstead Lake	4877.19*	Max WS	258.11	6.91	14.60		14.60	0.000001	0.07	3844.77	744.86	0.01
Hempstead Lake	4857.44*	Max WS	258.12	6.88	14.60		14.60	0.000001	0.06	4204.11	787.72	0.00
Hempstead Lake	4837.697	Max WS	258.12	6.84	14.60		14.60	0.000000	0.06	4600.57	816.56	0.00
Hempstead Lake	4817.64*	Max WS	274.52	6.81	14.60		14.60	0.000001	0.06	4664.49	810.92	0.00
Hempstead Lake	4797.59*	Max WS	274.50	6.77	14.60		14.60	0.000001	0.06	4729.74	807.89	0.00
Hempstead Lake	4777.53*	Max WS	274.50	6.67	14.60		14.60	0.000001	0.06	4797.05	805.63	0.00
Hempstead Lake	4757.48*	Max WS	274.48	6.58	14.60		14.60	0.000001	0.06	4864.49	803.67	0.00
Hempstead Lake	4737.42*	Max WS	274.51	6.49	14.60		14.60	0.000001	0.06	4933.77	802.98	0.00
Hempstead Lake	4717.37*	Max WS	274.48	6.40	14.60		14.60	0.000001	0.05	5003.54	803.27	0.00
Hempstead Lake	4697.32*	Max WS	274.48	6.30	14.60		14.60	0.000001	0.05	5077.03	804.43	0.00
Hempstead Lake	4677.26*	Max WS	274.51	6.21	14.60		14.60	0.000001	0.05	5151.59	806.68	0.00
Hempstead Lake	4657.21*	Max WS	274.50	6.12	14.60		14.60	0.000001	0.05	5228.98	809.22	0.00
Hempstead Lake	4637.16*	Max WS	274.51	6.02	14.60		14.60	0.000001	0.05	5308.05	809.83	0.00
Hempstead Lake	4617.10*	Max WS	274.47	5.91	14.60		14.60	0.000001	0.05	5389.23	811.00	0.00
Hempstead Lake	4597.05*	Max WS	274.48	5.76	14.60		14.60	0.000000	0.05	5470.58	811.83	0.00
Hempstead Lake	4577.*	Max WS	274.50	5.60	14.60		14.60	0.000000	0.05	5554.67	812.41	0.00
Hempstead Lake	4556.94*	Max WS	274.51	5.45	14.60		14.60	0.000000	0.05	5639.96	812.76	0.00
Hempstead Lake	4536.893	Max WS	274.49	5.30	14.60		14.60	0.000000	0.05	5726.03	812.91	0.00
Hempstead Lake	4516.70*	Max WS	276.50	5.16	14.60		14.60	0.000000	0.05	5771.50	812.51	0.00
Hempstead Lake	4496.51*	Max WS	276.47	5.02	14.60		14.60	0.000000	0.05	5823.16	813.00	0.00
Hempstead Lake	4476.32*	Max WS	276.51	4.88	14.60		14.60	0.000000	0.05	5881.70	814.71	0.00
Hempstead Lake	4456.14*	Max WS	276.50	4.74	14.60		14.60	0.000000	0.05	5946.22	820.45	0.00
Hempstead Lake	4435.95*	Max WS	276.49	4.60	14.60		14.60	0.000000	0.05	6022.22	826.59	0.00
Hempstead Lake	4415.76*	Max WS	276.48	4.46	14.60		14.60	0.000000	0.05	6107.10	832.72	0.00
Hempstead Lake	4395.57*	Max WS	276.49	4.32	14.60		14.60	0.000000	0.04	6199.71	834.74	0.00
Hempstead Lake	4375.38*	Max WS	276.48	4.18	14.60		14.60	0.000000	0.04	6298.06	835.49	0.00
Hempstead Lake	4355.20*	Max WS	276.49	4.04	14.60		14.60	0.000000	0.04	6402.94	836.30	0.00
Hempstead Lake	4335.01*	Max WS	276.48	3.90	14.60		14.60	0.000000	0.04	6513.10	836.47	0.00
Hempstead Lake	4314.82*	Max WS	276.49	3.76	14.60		14.60	0.000000	0.04	6629.67	836.37	0.00
Hempstead Lake	4294.63*	Max WS	276.50	3.62	14.60		14.60	0.000000	0.04	6750.80	836.23	0.00
Hempstead Lake	4274.44*	Max WS	276.49	3.48	14.60		14.60	0.000000	0.04	6876.42	835.88	0.00
Hempstead Lake	4254.26*	Max WS	276.49	3.34	14.60		14.60	0.000000	0.04	7008.00	835.40	0.00
Hempstead Lake	4234.07*	Max WS	276.50	3.20	14.60		14.60	0.000000	0.04	7145.01	834.83	0.00
Hempstead Lake	4213.88*	Max WS	276.49	3.06	14.60		14.60	0.000000	0.04	7287.53	834.11	0.00
Hempstead Lake	4193.69*	Max WS	276.49	2.92	14.60		14.60	0.000000	0.04	7433.91	833.32	0.00
Hempstead Lake	4173.50*	Max WS	276.48	2.78	14.60		14.60	0.000000	0.04	7586.24	832.38	0.00
Hempstead Lake	4153.320	Max WS	276.49	2.64	14.60		14.60	0.000000	0.04	7743.07	831.44	0.00
Hempstead Lake	4131.85*	Max WS	278.49	2.69	14.60		14.60	0.000000	0.04	7677.16	829.53	0.00
Hempstead Lake	4110.38*	Max WS	278.49	2.75	14.60		14.60	0.000000	0.04	7615.35	827.31	0.00
Hempstead Lake	4088.91*	Max WS	278.49	2.80	14.60		14.60	0.000000	0.04	7561.83	824.64	0.00
Hempstead Lake	4067.44*	Max WS	278.49	2.86	14.60		14.60	0.000000	0.04	7511.39	821.44	0.00
Hempstead Lake	4045.97*	Max WS	278.49	2.91	14.60		14.60	0.000000	0.04	7470.18	817.53	0.00
Hempstead Lake	4024.50*	Max WS	278.49	2.97	14.60		14.60	0.000000	0.04	7433.05	812.36	0.00
Hempstead Lake	4003.034	Max WS	278.49	3.02	14.60		14.60	0.000000	0.04	7405.79	806.46	0.00
Hempstead Lake	4002		Lat Struct									
Hempstead Lake	3984.01*	Max WS	270.99	3.78	14.60		14.60	0.000000	0.04	6459.94	789.85	0.00
Hempstead Lake	3964.99*	Max WS	270.99	4.54	14.60		14.60	0.000000	0.05	5535.28	772.79	0.00
Hempstead Lake	3945.97*	Max WS	270.99	5.30	14.60		14.60	0.000001	0.06	4630.81	755.23	0.00
Hempstead Lake	3926.95*	Max WS	270.99	6.06	14.60		14.60	0.000001	0.07	3748.42	736.81	0.01
Hempstead Lake	3907.93*	Max WS	270.99	6.82	14.60		14.60	0.000003	0.09	2889.25	713.62	0.01
Hempstead Lake	3888.916	Max WS	272.99	7.58	14.60		14.60	0.000002	0.19	1423.36	688.91	0.02
Hempstead Lake	3883.916	Max WS	272.99	7.20	14.60	8.25	14.60	0.000002	0.25	1107.89	686.95	0.02
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	217.02	7.19	11.29		11.36	0.000407	2.07	104.62	199.53	0.21
Hempstead Lake	3858.916	Max WS	272.97	7.17	11.33		11.34	0.000041	0.57	477.69	202.20	0.06
Hempstead Lake	3826.579	Max WS	217.05	6.10	11.30		11.34	0.000230	1.71	126.93	73.06	0.16
Hempstead Lake	3821.579	Max WS	216.84	6.02	11.16		11.36	0.000603	3.58	60.59	35.57	0.28
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	216.20	5.94	10.78		10.90	0.000448	2.78	77.67	26.30	0.23
Hempstead Lake	3736.579	Max WS	216.29	5.88	10.83		10.90	0.000404	2.20	98.35	30.45	0.20
Hempstead Lake	3699.46*	Max WS	216.26	5.83	10.82		10.88	0.000521	2.06	104.80	37.83	0.22
Hempstead Lake	3662.35*	Max WS	216.26	5.78	10.81		10.86	0.000582	1.92	112.78	45.69	0.22
Hempstead Lake	3625.24*	Max WS	216.23	5.74	10.79		10.83	0.001259	1.71	126.73	107.43	0.28
Hempstead Lake	3588.13*	Max WS	216.23	5.69	10.78		10.80	0.000552	1.04	208.57	186.42	0.17
Hempstead Lake	3551.028	Max WS	216.23	5.64	10.78		10.79	0.000116	0.68	317.08	249.92	0.11
Hempstead Lake	3531.67*	Max WS	216.23	5.61	10.78		10.78	0.000242	0.71	303.50	227.57	0.11
Hempstead Lake	3512.33*	Max WS	216.23	5.58	10.77		10.78	0.000229	0.73	294.42	211.26	0.11
Hempstead Lake	3492.98*	Max WS	216.23	5.55	10.77		10.77	0.000216	0.75	287.20	198.80	0.11
Hempstead Lake	3473.63*	Max WS	216.23	5.52	10.76		10.77	0.000199	0.77	282.32	189.55	0.11

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3454.28*	Max WS	216.23	5.49	10.76		10.77	0.000183	0.78	278.29	181.94	0.11
Hempstead Lake	3434.93*	Max WS	216.23	5.46	10.75		10.76	0.000156	0.78	275.74	175.41	0.11
Hempstead Lake	3415.58*	Max WS	216.22	5.43	10.75		10.76	0.000140	0.79	273.20	169.51	0.11
Hempstead Lake	3396.239	Max WS	216.22	5.40	10.75		10.76	0.000126	0.79	272.09	164.76	0.11
Hempstead Lake	3376.88*	Max WS	216.22	5.37	10.75		10.76	0.000121	0.79	275.40	165.49	0.11
Hempstead Lake	3357.52*	Max WS	216.22	5.34	10.74		10.75	0.000122	0.78	278.52	166.59	0.11
Hempstead Lake	3338.16*	Max WS	216.22	5.32	10.74		10.75	0.000124	0.77	281.68	167.28	0.10
Hempstead Lake	3318.80*	Max WS	216.22	5.29	10.74		10.75	0.000125	0.76	285.35	168.16	0.10
Hempstead Lake	3299.44*	Max WS	216.22	5.26	10.74		10.75	0.000126	0.75	288.16	168.78	0.10
Hempstead Lake	3280.08*	Max WS	216.22	5.23	10.74		10.74	0.000128	0.74	291.40	169.70	0.10
Hempstead Lake	3260.73*	Max WS	216.21	5.21	10.73		10.74	0.000130	0.73	294.37	170.24	0.10
Hempstead Lake	3241.37*	Max WS	216.21	5.18	10.73		10.74	0.000125	0.73	297.47	170.74	0.10
Hempstead Lake	3222.01*	Max WS	216.21	5.15	10.73		10.74	0.000127	0.72	300.78	171.54	0.10
Hempstead Lake	3202.65*	Max WS	216.21	5.12	10.73		10.73	0.000129	0.71	303.76	171.95	0.09
Hempstead Lake	3183.29*	Max WS	216.21	5.10	10.72		10.73	0.000132	0.71	306.38	172.42	0.09
Hempstead Lake	3163.93*	Max WS	216.20	5.07	10.72		10.73	0.000134	0.70	309.25	172.75	0.09
Hempstead Lake	3144.581	Max WS	216.20	5.04	10.72		10.73	0.000081	0.69	312.25	173.22	0.09
Hempstead Lake	3124.73*	Max WS	216.20	5.01	10.72		10.72	0.000089	0.68	315.73	174.28	0.09
Hempstead Lake	3104.89*	Max WS	216.20	4.98	10.72		10.72	0.000087	0.68	319.50	175.47	0.09
Hempstead Lake	3085.04*	Max WS	216.20	4.95	10.71		10.72	0.000084	0.67	323.76	176.74	0.09
Hempstead Lake	3065.2*	Max WS	216.20	4.92	10.71		10.72	0.000081	0.66	327.56	177.64	0.09
Hempstead Lake	3045.35*	Max WS	216.20	4.88	10.71		10.72	0.000073	0.65	332.16	179.04	0.08
Hempstead Lake	3025.51*	Max WS	216.17	4.85	10.71		10.72	0.000070	0.64	336.88	180.23	0.08
Hempstead Lake	3005.66*	Max WS	216.17	4.82	10.71		10.72	0.000068	0.63	341.86	181.46	0.08
Hempstead Lake	2985.81*	Max WS	216.16	4.79	10.71		10.71	0.000061	0.62	346.27	182.34	0.08
Hempstead Lake	2965.974	Max WS	216.16	4.76	10.71		10.71	0.000059	0.62	351.03	183.51	0.08
Hempstead Lake	2951.87*	Max WS	216.16	4.74	10.71		10.71	0.000089	0.61	351.71	186.11	0.08
Hempstead Lake	2937.77*	Max WS	216.16	4.72	10.70		10.71	0.000089	0.61	352.62	188.88	0.08
Hempstead Lake	2923.67*	Max WS	216.16	4.70	10.70		10.71	0.000089	0.61	353.47	191.47	0.08
Hempstead Lake	2909.57*	Max WS	216.16	4.68	10.70		10.71	0.000089	0.61	354.32	194.32	0.08
Hempstead Lake	2895.47*	Max WS	216.16	4.66	10.70		10.71	0.000089	0.61	354.58	196.95	0.08
Hempstead Lake	2881.37*	Max WS	216.16	4.64	10.70		10.71	0.000089	0.61	355.25	199.90	0.08
Hempstead Lake	2867.27*	Max WS	216.16	4.62	10.70		10.70	0.000089	0.61	356.34	202.64	0.08
Hempstead Lake	2853.17*	Max WS	216.11	4.61	10.70		10.70	0.000089	0.61	357.03	205.69	0.08
Hempstead Lake	2839.07*	Max WS	216.11	4.59	10.70		10.70	0.000088	0.60	357.30	208.49	0.08
Hempstead Lake	2824.98*	Max WS	216.10	4.57	10.70		10.70	0.000088	0.60	358.30	211.65	0.08
Hempstead Lake	2810.88*	Max WS	216.10	4.55	10.69		10.70	0.000087	0.60	358.53	214.58	0.08
Hempstead Lake	2796.78*	Max WS	216.10	4.53	10.69		10.70	0.000087	0.60	359.15	217.83	0.08
Hempstead Lake	2782.68*	Max WS	216.10	4.51	10.69		10.70	0.000086	0.60	359.98	220.86	0.08
Hempstead Lake	2768.58*	Max WS	216.10	4.49	10.69		10.70	0.000085	0.60	360.82	224.27	0.08
Hempstead Lake	2754.48*	Max WS	216.10	4.47	10.69		10.69	0.000084	0.60	361.03	227.41	0.08
Hempstead Lake	2740.38*	Max WS	216.10	4.45	10.69		10.69	0.000082	0.60	361.67	230.97	0.08
Hempstead Lake	2726.28*	Max WS	216.03	4.43	10.69		10.69	0.000082	0.60	362.67	234.28	0.08
Hempstead Lake	2712.18*	Max WS	216.03	4.41	10.69		10.69	0.000080	0.59	363.60	238.30	0.08
Hempstead Lake	2698.08*	Max WS	216.03	4.39	10.68		10.69	0.000079	0.59	363.76	241.74	0.09
Hempstead Lake	2683.98*	Max WS	216.03	4.37	10.68		10.69	0.000077	0.59	364.63	245.34	0.09
Hempstead Lake	2669.88*	Max WS	216.03	4.35	10.68		10.69	0.000075	0.59	365.89	249.71	0.09
Hempstead Lake	2655.78*	Max WS	215.95	4.34	10.68		10.69	0.000074	0.59	366.07	253.16	0.09
Hempstead Lake	2641.68*	Max WS	216.03	4.32	10.68		10.69	0.000072	0.59	367.02	257.44	0.09
Hempstead Lake	2627.58*	Max WS	216.03	4.30	10.68		10.68	0.000070	0.59	368.33	261.55	0.09
Hempstead Lake	2613.48*	Max WS	215.94	4.28	10.68		10.68	0.000067	0.59	368.84	266.30	0.09
Hempstead Lake	2599.38*	Max WS	215.94	4.26	10.68		10.68	0.000064	0.58	370.05	270.86	0.09
Hempstead Lake	2585.29*	Max WS	215.94	4.24	10.68		10.68	0.000064	0.58	371.36	275.66	0.09
Hempstead Lake	2571.19*	Max WS	215.94	4.22	10.68		10.68	0.000061	0.58	372.93	279.97	0.09
Hempstead Lake	2557.091	Max WS	215.84	4.20	10.67		10.68	0.000152	0.82	264.70	282.61	0.12
Hempstead Lake	2552.091	Max WS	215.10	4.09	10.60		10.70	0.000475	2.53	85.02	66.46	0.19
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	211.96	4.09	10.31		10.40	0.000447	2.41	87.95	43.58	0.19
Hempstead Lake	2487.091	Max WS	212.53	4.60	10.36		10.36	0.000095	0.52	409.00	328.29	0.07
Hempstead Lake	2477.12*	Max WS	212.52	4.58	10.36		10.36	0.000074	0.52	407.42	323.92	0.07
Hempstead Lake	2467.14*	Max WS	212.52	4.57	10.35		10.36	0.000081	0.52	406.06	319.42	0.07
Hempstead Lake	2457.17*	Max WS	212.52	4.55	10.35		10.36	0.000092	0.53	402.62	315.14	0.07
Hempstead Lake	2447.20*	Max WS	212.52	4.53	10.35		10.36	0.000102	0.53	400.16	310.71	0.08
Hempstead Lake	2437.23*	Max WS	212.52	4.51	10.35		10.36	0.000179	0.53	397.53	306.60	0.08
Hempstead Lake	2427.26*	Max WS	212.52	4.50	10.35		10.35	0.000183	0.54	393.81	302.22	0.08
Hempstead Lake	2417.29*	Max WS	212.42	4.48	10.35		10.35	0.000186	0.54	390.24	298.09	0.08
Hempstead Lake	2407.32*	Max WS	212.42	4.46	10.35		10.35	0.000139	0.55	387.29	294.12	0.08
Hempstead Lake	2397.35*	Max WS	212.42	4.44	10.34		10.35	0.000141	0.55	382.95	289.64	0.08
Hempstead Lake	2387.37*	Max WS	212.31	4.43	10.34		10.35	0.000140	0.56	379.89	285.63	0.08
Hempstead Lake	2377.40*	Max WS	212.30	4.41	10.34		10.35	0.000137	0.56	376.68	281.80	0.08
Hempstead Lake	2367.43*	Max WS	212.30	4.39	10.34		10.34	0.000138	0.57	372.62	278.19	0.08
Hempstead Lake	2357.46*	Max WS	212.30	4.37	10.34		10.34	0.000132	0.57	370.32	258.98	0.08
Hempstead Lake	2347.49*	Max WS	212.30	4.36	10.34		10.34	0.000125	0.58	368.08	253.00	0.08
Hempstead Lake	2337.52*	Max WS	212.19	4.34	10.34		10.34	0.000123	0.58	366.15	248.34	0.08
Hempstead Lake	2327.55*	Max WS	212.19	4.32	10.33		10.34	0.000121	0.58	365.40	244.08	0.08
Hempstead Lake	2317.58*	Max WS	212.19	4.30	10.33		10.34	0.000121	0.58	365.95	242.06	0.08
Hempstead Lake	2307.60*	Max WS	212.18	4.29	10.33		10.34	0.000117	0.58	366.86	240.74	0.08
Hempstead Lake	2297.63*	Max WS	212.06	4.27	10.33		10.34	0.000109	0.57	369.57	257.35	0.07
Hempstead Lake	2287.66*	Max WS	212.06	4.25	10.33		10.34	0.000099	0.57	373.05	283.69	0.07

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2277.69*	Max WS	212.06	4.23	10.33		10.33	0.000086	0.56	378.60	307.77	0.07
Hempstead Lake	2267.72*	Max WS	212.06	4.22	10.33		10.33	0.000076	0.55	385.87	332.32	0.07
Hempstead Lake	2257.752	Max WS	212.06	4.20	10.33		10.33	0.000071	0.54	395.50	356.96	0.06
Hempstead Lake	2252.75*	Max WS	211.92	4.10	10.32		10.33	0.000257	0.75	281.23	347.05	0.09
Hempstead Lake	2247.752	Max WS	211.25	4.00	10.29		10.34	0.000141	1.62	130.07	326.18	0.13
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	204.47	3.80	10.05		10.07	0.000070	0.93	219.71	61.73	0.09
Hempstead Lake	2192.75*	Max WS	204.61	3.75	10.06		10.07	0.000047	0.62	332.03	107.93	0.06
Hempstead Lake	2187.752	Max WS	204.76	3.70	10.06		10.07	0.000031	0.57	471.48	234.09	0.06
Hempstead Lake	2178.63*	Max WS	204.61	3.72	10.06		10.07	0.000033	0.59	430.33	224.90	0.06
Hempstead Lake	2169.52*	Max WS	204.61	3.74	10.06		10.06	0.000036	0.62	390.89	215.51	0.06
Hempstead Lake	2160.40*	Max WS	204.61	3.76	10.06		10.06	0.000038	0.64	354.10	205.97	0.06
Hempstead Lake	2151.29*	Max WS	204.61	3.78	10.06		10.06	0.000040	0.66	320.38	176.17	0.07
Hempstead Lake	2142.17*	Max WS	204.61	3.80	10.06		10.06	0.000042	0.68	302.41	93.48	0.07
Hempstead Lake	2133.05*	Max WS	204.61	3.82	10.06		10.06	0.000043	0.69	296.51	91.52	0.07
Hempstead Lake	2123.94*	Max WS	204.45	3.83	10.06		10.06	0.000045	0.70	290.97	89.68	0.07
Hempstead Lake	2114.82*	Max WS	204.45	3.85	10.05		10.06	0.000046	0.72	285.02	88.00	0.07
Hempstead Lake	2105.71*	Max WS	204.45	3.87	10.05		10.06	0.000048	0.73	279.49	86.51	0.07
Hempstead Lake	2096.59*	Max WS	204.45	3.89	10.05		10.06	0.000051	0.75	273.38	85.07	0.07
Hempstead Lake	2087.48*	Max WS	204.45	3.91	10.05		10.06	0.000053	0.76	267.55	83.74	0.08
Hempstead Lake	2078.36*	Max WS	204.45	3.93	10.05		10.06	0.000056	0.78	261.30	81.98	0.08
Hempstead Lake	2069.25*	Max WS	204.45	3.95	10.05		10.06	0.000058	0.80	255.77	79.78	0.08
Hempstead Lake	2060.13*	Max WS	204.29	3.97	10.05		10.06	0.000060	0.82	250.10	77.67	0.08
Hempstead Lake	2051.01*	Max WS	204.29	3.99	10.05		10.06	0.000062	0.83	245.02	75.71	0.08
Hempstead Lake	2041.90*	Max WS	204.29	4.01	10.05		10.06	0.000065	0.85	239.74	73.79	0.08
Hempstead Lake	2032.78*	Max WS	204.29	4.03	10.05		10.06	0.000067	0.87	235.07	72.05	0.08
Hempstead Lake	2023.67*	Max WS	204.13	4.05	10.04		10.06	0.000070	0.89	230.29	70.37	0.09
Hempstead Lake	2014.55*	Max WS	204.13	4.07	10.04		10.06	0.000072	0.90	225.94	68.80	0.09
Hempstead Lake	2005.44*	Max WS	204.13	4.08	10.04		10.06	0.000075	0.92	221.35	67.23	0.09
Hempstead Lake	1996.32*	Max WS	204.13	4.10	10.04		10.05	0.000078	0.94	217.28	65.79	0.09
Hempstead Lake	1987.20*	Max WS	203.97	4.12	10.04		10.05	0.000081	0.96	212.98	64.40	0.09
Hempstead Lake	1978.09*	Max WS	203.97	4.14	10.04		10.05	0.000084	0.98	209.06	63.10	0.09
Hempstead Lake	1968.97*	Max WS	203.97	4.16	10.04		10.05	0.000087	1.00	204.86	61.77	0.10
Hempstead Lake	1959.86*	Max WS	203.80	4.18	10.04		10.05	0.000090	1.01	201.15	60.57	0.10
Hempstead Lake	1950.747	Max WS	203.80	4.20	10.03		10.05	0.000094	1.03	197.19	59.37	0.10
Hempstead Lake	1945.747	Max WS	201.98	4.21	9.98		10.06	0.000386	2.21	91.20	17.61	0.17
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	188.95	4.50	9.69		9.80	0.000641	2.60	72.71	14.00	0.20
Hempstead Lake	1880.747	Max WS	191.63	4.45	9.75		9.75	0.000022	0.48	395.94	129.38	0.05
Hempstead Lake	1848.83*	Max WS	191.82	2.70	9.75		9.75	0.000002	0.12	1550.87	389.61	0.01
Hempstead Lake	1816.92*	Max WS	191.82	0.95	9.75		9.75	0.000000	0.05	3567.87	627.64	0.00
Hempstead Lake	1785.01*	Max WS	191.82	-0.80	9.75		9.75	0.000000	0.03	6185.12	820.10	0.00
Hempstead Lake	1753.104	Max WS	191.81	-2.55	9.75		9.75	0.000000	0.02	9347.82	1004.25	0.00
Hempstead Lake	1732.65*	Max WS	191.81	-2.75	9.75		9.75	0.000000	0.02	9373.81	1010.41	0.00
Hempstead Lake	1712.21*	Max WS	191.81	-2.95	9.75		9.75	0.000000	0.02	9416.09	1020.27	0.00
Hempstead Lake	1691.76*	Max WS	191.81	-3.14	9.75		9.75	0.000000	0.02	9479.06	1035.37	0.00
Hempstead Lake	1671.32*	Max WS	191.80	-3.34	9.75		9.75	0.000000	0.02	9568.20	1054.00	0.00
Hempstead Lake	1650.87*	Max WS	191.46	-3.54	9.75		9.75	0.000000	0.02	9691.09	1080.12	0.00
Hempstead Lake	1630.434	Max WS	191.80	-3.74	9.75		9.75	0.000000	0.02	9867.22	1176.74	0.00
Hempstead Lake	1610.36*	Max WS	191.80	-3.49	9.75		9.75	0.000000	0.02	9397.34	1102.00	0.00
Hempstead Lake	1590.30*	Max WS	191.80	-3.23	9.75		9.75	0.000000	0.02	8951.19	1060.76	0.00
Hempstead Lake	1570.23*	Max WS	191.80	-2.98	9.75		9.75	0.000000	0.02	8516.27	1036.70	0.00
Hempstead Lake	1550.17*	Max WS	191.79	-2.73	9.75		9.75	0.000000	0.02	8092.64	1012.24	0.00
Hempstead Lake	1530.10*	Max WS	191.79	-2.47	9.75		9.75	0.000000	0.03	7677.42	986.69	0.00
Hempstead Lake	1510.03*	Max WS	191.79	-2.22	9.75		9.75	0.000000	0.03	7273.08	960.50	0.00
Hempstead Lake	1489.97*	Max WS	191.79	-1.96	9.75		9.75	0.000000	0.03	6880.15	933.40	0.00
Hempstead Lake	1469.90*	Max WS	191.79	-1.71	9.75		9.75	0.000000	0.03	6498.93	905.05	0.00
Hempstead Lake	1449.83*	Max WS	191.78	-1.46	9.75		9.75	0.000000	0.03	6131.31	874.99	0.00
Hempstead Lake	1429.77*	Max WS	191.78	-1.20	9.75		9.75	0.000000	0.03	5774.37	844.10	0.00
Hempstead Lake	1409.707	Max WS	191.24	-0.95	9.75		9.75	0.000000	0.04	5431.90	808.29	0.00
Hempstead Lake	1389.03*	Max WS	1938.42	-0.98	9.74		9.75	0.000004	0.36	5447.05	812.35	0.02
Hempstead Lake	1368.35*	Max WS	1938.42	-1.00	9.74		9.75	0.000004	0.36	5464.30	815.42	0.02
Hempstead Lake	1347.67*	Max WS	1938.41	-1.03	9.74		9.75	0.000004	0.36	5482.79	816.84	0.02
Hempstead Lake	1326.99*	Max WS	1938.41	-1.06	9.74		9.75	0.000004	0.35	5500.55	817.17	0.02
Hempstead Lake	1306.32*	Max WS	1938.40	-1.08	9.74		9.75	0.000004	0.35	5516.29	817.35	0.02
Hempstead Lake	1285.64*	Max WS	1938.40	-1.11	9.74		9.75	0.000004	0.35	5532.42	817.17	0.02
Hempstead Lake	1264.96*	Max WS	1938.39	-1.14	9.74		9.75	0.000004	0.35	5547.70	816.99	0.02
Hempstead Lake	1244.28*	Max WS	1938.39	-1.16	9.74		9.75	0.000004	0.35	5563.15	816.48	0.02
Hempstead Lake	1223.61*	Max WS	1938.38	-1.19	9.74		9.75	0.000004	0.35	5577.93	816.11	0.02
Hempstead Lake	1202.93*	Max WS	1938.38	-1.22	9.74		9.75	0.000004	0.35	5591.19	815.48	0.02
Hempstead Lake	1182.25*	Max WS	1938.38	-1.24	9.74		9.75	0.000004	0.35	5604.38	815.03	0.02
Hempstead Lake	1161.57*	Max WS	1938.37	-1.27	9.74		9.75	0.000004	0.35	5616.69	814.81	0.02
Hempstead Lake	1140.90*	Max WS	1938.37	-1.30	9.74		9.75	0.000004	0.35	5628.95	814.46	0.02
Hempstead Lake	1120.22*	Max WS	1938.36	-1.32	9.74		9.74	0.000004	0.35	5641.49	814.38	0.02
Hempstead Lake	1099.54*	Max WS	1938.36	-1.35	9.74		9.74	0.000004	0.35	5652.36	814.11	0.02
Hempstead Lake	1078.87*	Max WS	1938.35	-1.38	9.74		9.74	0.000004	0.35	5661.86	814.19	0.02
Hempstead Lake	1058.19*	Max WS	1938.35	-1.40	9.74		9.74	0.000004	0.35	5673.41	814.31	0.02
Hempstead Lake	1037.515	Max WS	1938.34	-1.43	9.74		9.74	0.000003	0.35	5683.16	814.68	0.02
Hempstead Lake	1017.08*	Max WS	1945.49	-1.35	9.74		9.74	0.000004	0.35	5696.02	809.55	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	996.645*	Max WS	1945.49	-1.28	9.74		9.74	0.000005	0.35	5708.41	804.52	0.02
Hempstead Lake	976.210*	Max WS	1945.48	-1.20	9.74		9.74	0.000006	0.35	5718.81	798.91	0.02
Hempstead Lake	955.775*	Max WS	1945.48	-1.13	9.74		9.74	0.000007	0.35	5728.76	793.24	0.02
Hempstead Lake	935.340*	Max WS	1945.47	-1.05	9.74		9.74	0.000007	0.35	5736.43	787.45	0.02
Hempstead Lake	914.905*	Max WS	1945.47	-0.98	9.74		9.74	0.000009	0.35	5743.31	781.42	0.02
Hempstead Lake	894.471*	Max WS	1945.46	-0.90	9.74		9.74	0.000009	0.35	5748.22	775.36	0.02
Hempstead Lake	874.036*	Max WS	1945.46	-0.83	9.74		9.74	0.000011	0.35	5752.05	769.06	0.02
Hempstead Lake	853.601*	Max WS	1945.46	-0.75	9.74		9.74	0.000012	0.35	5754.74	762.69	0.02
Hempstead Lake	833.166*	Max WS	1945.45	-0.68	9.74		9.74	0.000013	0.35	5754.43	756.38	0.02
Hempstead Lake	812.731*	Max WS	1945.45	-0.60	9.74		9.74	0.000014	0.35	5753.97	749.84	0.02
Hempstead Lake	792.296*	Max WS	1945.44	-0.53	9.74		9.74	0.000015	0.35	5752.37	743.36	0.02
Hempstead Lake	771.862	Max WS	1945.44	-0.45	9.74		9.74	0.000003	0.35	5748.62	736.68	0.02
Hempstead Lake	750.331*	Max WS	1947.89	-0.53	9.74		9.74	0.000016	0.37	5479.30	721.41	0.02
Hempstead Lake	728.8*	Max WS	1947.89	-0.61	9.74		9.74	0.000017	0.38	5231.39	701.67	0.02
Hempstead Lake	707.269*	Max WS	1947.88	-0.69	9.74		9.74	0.000017	0.40	5009.73	676.25	0.02
Hempstead Lake	685.738*	Max WS	1947.88	-0.77	9.74		9.74	0.000016	0.41	4819.52	650.82	0.03
Hempstead Lake	664.207*	Max WS	1947.87	-0.85	9.74		9.74	0.000015	0.43	4656.87	633.01	0.03
Hempstead Lake	642.676*	Max WS	1947.87	-0.93	9.74		9.74	0.000015	0.44	4519.60	615.95	0.03
Hempstead Lake	621.145*	Max WS	1947.87	-1.02	9.74		9.74	0.000013	0.45	4404.32	600.57	0.03
Hempstead Lake	599.614*	Max WS	1947.86	-1.10	9.74		9.74	0.000012	0.46	4312.34	585.92	0.03
Hempstead Lake	578.083*	Max WS	1947.86	-1.18	9.74		9.74	0.000010	0.46	4243.07	567.72	0.03
Hempstead Lake	556.552*	Max WS	1947.85	-1.26	9.74		9.74	0.000009	0.47	4198.14	547.34	0.03
Hempstead Lake	535.021*	Max WS	1947.85	-1.34	9.74		9.74	0.000007	0.47	4177.09	532.15	0.03
Hempstead Lake	513.490	Max WS	1947.85	-1.42	9.74		9.74	0.000005	0.47	4173.40	519.46	0.03
Hempstead Lake	493.038*	Max WS	1955.44	-1.03	9.73		9.74	0.000015	0.53	3709.42	502.54	0.03
Hempstead Lake	472.587*	Max WS	1955.43	-0.65	9.73		9.74	0.000024	0.60	3262.78	485.47	0.04
Hempstead Lake	452.136*	Max WS	1955.43	-0.26	9.73		9.74	0.000039	0.69	2831.18	471.69	0.05
Hempstead Lake	431.685*	Max WS	1955.43	0.12	9.73		9.74	0.000064	0.81	2414.20	458.49	0.06
Hempstead Lake	411.234*	Max WS	1955.42	0.51	9.72		9.74	0.000106	0.97	2011.50	444.97	0.08
Hempstead Lake	390.783*	Max WS	1955.42	0.90	9.71		9.73	0.000184	1.21	1621.51	430.77	0.11
Hempstead Lake	370.332*	Max WS	1955.42	1.28	9.69		9.73	0.000316	1.57	1245.76	415.60	0.16
Hempstead Lake	349.881*	Max WS	1955.41	1.67	9.64		9.72	0.000517	2.21	884.13	380.67	0.26
Hempstead Lake	329.430*	Max WS	1955.41	2.05	9.57		9.71	0.000691	2.98	656.60	138.62	0.24
Hempstead Lake	308.979*	Max WS	1955.41	2.44	9.53		9.69	0.000864	3.22	608.14	127.65	0.26
Hempstead Lake	288.528*	Max WS	1955.41	2.83	9.49		9.67	0.001115	3.47	563.52	120.97	0.28
Hempstead Lake	268.077*	Max WS	1955.41	3.21	9.43		9.65	0.001446	3.74	522.49	115.20	0.31
Hempstead Lake	247.626*	Max WS	1955.41	3.60	9.36		9.61	0.001875	4.06	481.68	110.08	0.34
Hempstead Lake	227.175*	Max WS	1955.40	3.98	9.27		9.57	0.002340	4.42	442.03	105.57	0.38
Hempstead Lake	206.724	Max WS	1955.40	4.37	9.16		9.53	0.001574	4.86	402.14	101.73	0.43
Hempstead Lake	201.724	Max WS	1955.40	4.37	9.32	6.57	9.52	0.000719	3.63	538.27	113.05	0.29
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	1955.40	1.00	5.22		5.45	0.000996	3.96	503.79	126.02	0.34
Hempstead Lake	166.724	Max WS	1955.40	1.00	5.21	3.08	5.44	0.001001	3.97	503.07	126.00	0.34

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS PROPOSED 25 YR 9/3/15

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	32.18	32.07	0.11	0.03			2253.45	641.51	431.22
Hempstead Lake	15523.7*	Max WS	32.13	32.02	0.11	0.08			2310.26	584.66	433.74
Hempstead Lake	15503.5*	Max WS	32.06	31.94	0.12	0.08			2367.03	527.46	433.58
Hempstead Lake	15483.3*	Max WS	31.98	31.86	0.12	0.07			2419.95	474.52	433.17
Hempstead Lake	15463.0*	Max WS	31.91	31.78	0.13	0.07			2469.40	425.03	432.52
Hempstead Lake	15442.8*	Max WS	31.84	31.70	0.14	0.08			2514.97	379.15	431.15
Hempstead Lake	15422.5*	Max WS	31.76	31.61	0.15	0.08			2556.47	337.64	428.19
Hempstead Lake	15402.3*	Max WS	31.69	31.53	0.16	0.08			2594.22	299.88	424.27
Hempstead Lake	15382.1*	Max WS	31.61	31.43	0.18	0.09			2628.95	265.12	418.38
Hempstead Lake	15361.8*	Max WS	31.53	31.33	0.20	0.09			2659.68	234.18	409.50
Hempstead Lake	15341.6*	Max WS	31.44	31.21	0.23	0.11			2688.01	205.84	396.52
Hempstead Lake	15321.4*	Max WS	31.34	31.08	0.27	0.13			2711.69	182.15	379.16
Hempstead Lake	15301.1*	Max WS	31.25	30.91	0.34	0.14			2731.80	162.03	347.57
Hempstead Lake	15280.9*	Max WS	31.13	30.69	0.44	0.16			2775.56	118.12	277.85
Hempstead Lake	15260.7*	Max WS	31.01	30.43	0.58	0.20			2812.03	81.75	256.94
Hempstead Lake	15240.4*	Max WS	30.94	30.13	0.81	0.27			2848.32	45.45	233.79
Hempstead Lake	15220.2*	Max WS	30.97	29.88	1.09	0.39			2871.46	22.31	212.53
Hempstead Lake	15200.02	Max WS	31.23	29.53	1.70	0.47			2889.16	4.60	185.88
Hempstead Lake	15180.7*	Max WS	30.50	29.12	1.38	0.20			2893.70		190.77
Hempstead Lake	15161.4*	Max WS	28.97	28.83	0.14	0.04			1097.37		210.54
Hempstead Lake	15142.1*	Max WS	28.93	28.86	0.08	0.02			1119.77		237.45
Hempstead Lake	15122.8*	Max WS	28.91	28.87	0.05	0.01			1119.46		264.98
Hempstead Lake	15103.5*	Max WS	28.90	28.87	0.03	0.01			1124.86		295.70
Hempstead Lake	15084.2*	Max WS	28.89	28.87	0.02	0.01			1124.76		337.34
Hempstead Lake	15064.9*	Max WS	28.88	28.87	0.01	0.00			1124.66		376.89
Hempstead Lake	15045.6*	Max WS	28.88	28.87	0.01	0.00			1124.58		403.17
Hempstead Lake	15026.4*	Max WS	28.88	28.87	0.01	0.00			1124.50		428.16
Hempstead Lake	15007.1*	Max WS	28.87	28.87	0.00	0.00			1124.43		452.23
Hempstead Lake	14987.82	Max WS	28.87	28.87	0.00	0.00			1124.35		475.61
Hempstead Lake	14966.6*	Max WS	28.87	28.87	0.00	0.00			1134.43		493.17
Hempstead Lake	14945.4*	Max WS	28.87	28.87	0.00	0.00			1134.35		511.40
Hempstead Lake	14924.3*	Max WS	28.87	28.87	0.00	0.00			1134.28		530.04
Hempstead Lake	14903.1*	Max WS	28.87	28.87	0.00	0.00			1134.20		548.90
Hempstead Lake	14882.*	Max WS	28.87	28.87	0.00	0.00			1131.57		567.92
Hempstead Lake	14860.8*	Max WS	28.87	28.87	0.00	0.00			1131.56		587.03
Hempstead Lake	14839.6*	Max WS	28.87	28.87	0.00	0.00			1131.54		605.98
Hempstead Lake	14818.5*	Max WS	28.87	28.87	0.00	0.00			1131.53		625.49
Hempstead Lake	14797.35	Max WS	28.87	28.87	0.00	0.00			1131.51		645.41
Hempstead Lake	14777.4*	Max WS	28.87	28.87	0.00	0.00			1131.49		658.44
Hempstead Lake	14757.4*	Max WS	28.87	28.87	0.00	0.00			1131.46		671.60
Hempstead Lake	14737.5*	Max WS	28.87	28.87	0.00	0.00			1131.44		684.68
Hempstead Lake	14717.5*	Max WS	28.87	28.87	0.00	0.00			1131.41		697.86
Hempstead Lake	14697.6*	Max WS	28.87	28.87	0.00	0.00			1131.38		711.20
Hempstead Lake	14677.6*	Max WS	28.87	28.87	0.00	0.00			1131.35		724.45
Hempstead Lake	14657.7*	Max WS	28.87	28.87	0.00	0.00			1131.33		737.67
Hempstead Lake	14637.7*	Max WS	28.87	28.87	0.00	0.00			1131.30		750.90
Hempstead Lake	14617.8*	Max WS	28.87	28.87	0.00	0.00			1131.27		764.22
Hempstead Lake	14597.8*	Max WS	28.87	28.87	0.00	0.00			1131.24		777.78
Hempstead Lake	14577.9*	Max WS	28.87	28.87	0.00	0.00			1131.21		791.32
Hempstead Lake	14557.9*	Max WS	28.87	28.87	0.00	0.00			1131.18		804.96
Hempstead Lake	14538.0*	Max WS	28.87	28.87	0.00	0.00			1131.15		818.84
Hempstead Lake	14518.0*	Max WS	28.87	28.87	0.00	0.00			1131.12		832.75
Hempstead Lake	14498.1*	Max WS	28.87	28.87	0.00	0.00			1131.09		846.98
Hempstead Lake	14478.1*	Max WS	28.87	28.87	0.00	0.00			1131.06		861.43
Hempstead Lake	14458.2*	Max WS	28.87	28.87	0.00	0.00			1131.03		875.91
Hempstead Lake	14438.2*	Max WS	28.87	28.87	0.00	0.00			1131.00		890.78
Hempstead Lake	14418.3*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.97		905.84
Hempstead Lake	14398.37	Max WS	28.87	28.87	0.00	0.00		0.00	1130.94		921.32
Hempstead Lake	14378.3*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.91		906.47
Hempstead Lake	14358.3*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.88		891.67
Hempstead Lake	14338.2*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.86		876.87
Hempstead Lake	14318.2*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.83		862.00
Hempstead Lake	14298.2*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.80		847.25
Hempstead Lake	14278.1*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.78		832.55
Hempstead Lake	14258.1*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.75		817.74
Hempstead Lake	14238.1*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.73		803.10
Hempstead Lake	14218.0*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.70		788.19
Hempstead Lake	14198.0*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.68		773.19
Hempstead Lake	14178.0*	Max WS	28.87	28.87	0.00	0.00		0.00	1130.65		758.27
Hempstead Lake	14157.9*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.63		743.30
Hempstead Lake	14137.9*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.61		728.60
Hempstead Lake	14117.9*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.59		713.85

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.57		699.30
Hempstead Lake	14077.8*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.55		684.91
Hempstead Lake	14057.8*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.53		670.61
Hempstead Lake	14037.7*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.51		656.62
Hempstead Lake	14017.75	Max WS	28.87	28.86	0.00	0.00		0.00	1130.49		642.83
Hempstead Lake	13998.2*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.47		663.57
Hempstead Lake	13978.6*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.45		684.53
Hempstead Lake	13959.1*	Max WS	28.87	28.86	0.00	0.00		0.00	1130.44		704.22
Hempstead Lake	13939.6*	Max WS	28.87	28.86	0.00	0.00			1130.42		723.34
Hempstead Lake	13920.0*	Max WS	28.87	28.86	0.00	0.00			1130.40		741.98
Hempstead Lake	13900.5*	Max WS	28.87	28.86	0.00	0.00			1130.38		760.37
Hempstead Lake	13881.*	Max WS	28.87	28.86	0.00	0.00			1130.36		778.59
Hempstead Lake	13861.4*	Max WS	28.87	28.86	0.00	0.00			1130.34		796.97
Hempstead Lake	13841.9*	Max WS	28.87	28.86	0.00	0.00			1130.32		815.38
Hempstead Lake	13822.3*	Max WS	28.87	28.86	0.00	0.00			1130.30		833.73
Hempstead Lake	13802.8*	Max WS	28.87	28.86	0.00	0.00			1130.28		852.22
Hempstead Lake	13783.3*	Max WS	28.87	28.86	0.00	0.00			1130.26		870.73
Hempstead Lake	13763.7*	Max WS	28.87	28.86	0.00	0.00			1130.23		889.20
Hempstead Lake	13744.2*	Max WS	28.87	28.86	0.00	0.00			1130.21		907.76
Hempstead Lake	13724.7*	Max WS	28.87	28.86	0.00	0.00			1130.19		926.34
Hempstead Lake	13705.1*	Max WS	28.87	28.86	0.00	0.00			1130.17		944.89
Hempstead Lake	13685.63	Max WS	28.86	28.86	0.00	0.00			1130.15		963.54
Hempstead Lake	13666.4*	Max WS	28.86	28.86	0.00	0.00			1130.13		971.35
Hempstead Lake	13647.1*	Max WS	28.86	28.86	0.00	0.00			1130.11		978.62
Hempstead Lake	13627.9*	Max WS	28.86	28.86	0.00	0.00			1130.09		986.12
Hempstead Lake	13608.7*	Max WS	28.86	28.86	0.00	0.00			1130.07		994.28
Hempstead Lake	13589.5*	Max WS	28.86	28.86	0.00	0.00			1130.05		1003.42
Hempstead Lake	13570.2*	Max WS	28.86	28.86	0.00	0.00			1130.03	0.00	1012.42
Hempstead Lake	13551.0*	Max WS	28.86	28.86	0.00	0.00			1129.96	0.05	1020.47
Hempstead Lake	13531.8*	Max WS	28.86	28.86	0.00	0.00			1129.74	0.25	1031.19
Hempstead Lake	13512.6*	Max WS	28.86	28.86	0.00	0.00			1129.17	0.79	1046.59
Hempstead Lake	13493.3*	Max WS	28.86	28.86	0.00	0.00			1128.11	1.85	1055.56
Hempstead Lake	13474.1*	Max WS	28.86	28.86	0.00	0.00			1126.53	3.40	1061.04
Hempstead Lake	13454.9*	Max WS	28.86	28.86	0.00	0.00			1124.39	5.53	1063.83
Hempstead Lake	13435.72	Max WS	28.86	28.86	0.00	0.00			1111.09	18.81	1065.70
Hempstead Lake	13419.3*	Max WS	28.86	28.86	0.00	0.00			1124.61	5.28	1064.55
Hempstead Lake	13403.0*	Max WS	28.86	28.86	0.00	0.00			1126.60	3.27	1063.02
Hempstead Lake	13386.6*	Max WS	28.86	28.86	0.00	0.00			1128.08	1.78	1059.17
Hempstead Lake	13370.3*	Max WS	28.86	28.86	0.00	0.00			1129.10	0.76	1054.13
Hempstead Lake	13354.*	Max WS	28.86	28.86	0.00	0.00			1129.64	0.20	1047.21
Hempstead Lake	13337.6*	Max WS	28.86	28.86	0.00	0.00			1129.82	0.01	1038.06
Hempstead Lake	13321.3*	Max WS	28.86	28.86	0.00	0.00			1129.83		1024.88
Hempstead Lake	13304.9*	Max WS	28.86	28.86	0.00	0.00			1129.82		1015.61
Hempstead Lake	13288.6*	Max WS	28.86	28.86	0.00	0.00			1129.81		1009.93
Hempstead Lake	13272.29	Max WS	28.86	28.86	0.00	0.00			1129.57		1001.35
Hempstead Lake	13255.0*	Max WS	28.86	28.86	0.00	0.00			1129.80		1002.50
Hempstead Lake	13237.8*	Max WS	28.86	28.86	0.00	0.00			1129.80		1002.62
Hempstead Lake	13220.5*	Max WS	28.86	28.86	0.00	0.00			1129.80		1003.25
Hempstead Lake	13203.3*	Max WS	28.86	28.86	0.00	0.00			1129.79		1004.40
Hempstead Lake	13186.0*	Max WS	28.86	28.86	0.00	0.00			1129.48		1005.86
Hempstead Lake	13168.8*	Max WS	28.86	28.86	0.00	0.00			1129.47		1007.66
Hempstead Lake	13151.6*	Max WS	28.86	28.86	0.00	0.00			1129.45		1009.60
Hempstead Lake	13134.3*	Max WS	28.86	28.86	0.00	0.00			1129.44		1011.63
Hempstead Lake	13117.1*	Max WS	28.86	28.86	0.00	0.00			1129.43		1014.03
Hempstead Lake	13099.8*	Max WS	28.86	28.86	0.00	0.00			1129.43		1016.57
Hempstead Lake	13082.6*	Max WS	28.86	28.86	0.00	0.00			1129.42		1019.20
Hempstead Lake	13065.3*	Max WS	28.86	28.86	0.00	0.00			1129.42		1022.13
Hempstead Lake	13048.1*	Max WS	28.86	28.86	0.00	0.00			1129.09		1025.52
Hempstead Lake	13030.9*	Max WS	28.86	28.86	0.00	0.00			1129.09		1029.65
Hempstead Lake	13013.6*	Max WS	28.86	28.86	0.00	0.00			1129.08		1033.97
Hempstead Lake	12996.4*	Max WS	28.86	28.86	0.00	0.00			1128.87		1038.40
Hempstead Lake	12979.1*	Max WS	28.86	28.86	0.00	0.00			1128.86		1042.62
Hempstead Lake	12961.9*	Max WS	28.86	28.86	0.00	0.00			1128.85		1047.03
Hempstead Lake	12944.7*	Max WS	28.86	28.86	0.00	0.00			1128.77		1051.33
Hempstead Lake	12927.4*	Max WS	28.86	28.86	0.00	0.00			1128.76		1055.51
Hempstead Lake	12910.2*	Max WS	28.86	28.86	0.00	0.00			1128.75		1059.81
Hempstead Lake	12892.97	Max WS	28.86	28.86	0.00	0.00			1128.74		1063.62
Hempstead Lake	12881.0*	Max WS	28.86	28.86	0.00	0.00			1310.26		1064.13
Hempstead Lake	12869.1*	Max WS	28.86	28.86	0.00	0.00			1310.70		1064.65
Hempstead Lake	12857.1*	Max WS	28.86	28.86	0.00	0.00			1310.69		1065.36
Hempstead Lake	12845.2*	Max WS	28.86	28.86	0.00	0.00			1310.68		1065.76
Hempstead Lake	12833.3*	Max WS	28.86	28.86	0.00	0.00			1310.67		1066.18

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	28.86	28.86	0.00	0.00			1310.67		1066.07
Hempstead Lake	12809.4*	Max WS	28.86	28.86	0.00	0.00			1310.66		1065.73
Hempstead Lake	12797.5*	Max WS	28.86	28.86	0.00	0.00			1310.65		1064.51
Hempstead Lake	12785.6*	Max WS	28.86	28.86	0.00	0.00			1310.65		1063.07
Hempstead Lake	12773.7*	Max WS	28.86	28.86	0.00	0.00			1310.64		1061.62
Hempstead Lake	12761.7*	Max WS	28.86	28.86	0.00	0.00			1310.64		1060.19
Hempstead Lake	12749.8*	Max WS	28.86	28.86	0.00	0.00			1310.64		1059.05
Hempstead Lake	12737.9*	Max WS	28.86	28.86	0.00	0.00			1310.64		1057.61
Hempstead Lake	12726.0*	Max WS	28.86	28.86	0.00	0.00			1310.63		1056.21
Hempstead Lake	12714.0*	Max WS	28.86	28.86	0.00	0.00			1310.63		1054.77
Hempstead Lake	12702.1*	Max WS	28.86	28.86	0.00	0.00			1311.07		1053.74
Hempstead Lake	12690.2*	Max WS	28.86	28.86	0.00	0.00			1311.06		1052.38
Hempstead Lake	12678.3*	Max WS	28.86	28.86	0.00	0.00			1311.05		1051.01
Hempstead Lake	12666.3*	Max WS	28.86	28.86	0.00	0.00			1311.04		1049.64
Hempstead Lake	12654.4*	Max WS	28.86	28.86	0.00	0.00			1311.03		1048.81
Hempstead Lake	12642.5*	Max WS	28.86	28.86	0.00	0.00		0.00	1311.02		1047.54
Hempstead Lake	12630.6*	Max WS	28.86	28.86	0.00	0.00		0.00	1311.01		1046.28
Hempstead Lake	12618.6*	Max WS	28.86	28.86	0.00	0.00		0.00	1311.00		1045.13
Hempstead Lake	12606.7*	Max WS	28.86	28.86	0.00	0.00		0.01	1310.99		1043.95
Hempstead Lake	12594.8*	Max WS	28.86	28.86	0.00	0.00		0.01	1310.98		1043.59
Hempstead Lake	12582.9*	Max WS	28.86	28.86	0.00	0.00		0.02	1310.96		1042.70
Hempstead Lake	12570.9*	Max WS	28.86	28.86	0.00	0.00		0.03	1310.95	0.00	1042.08
Hempstead Lake	12559.0*	Max WS	28.86	28.86	0.00	0.00		0.05	1310.93	0.00	1041.85
Hempstead Lake	12547.1*	Max WS	28.86	28.86	0.00	0.00		0.07	1310.90	0.00	1042.01
Hempstead Lake	12535.2*	Max WS	28.86	28.86	0.00	0.00		0.09	1310.88	0.00	1042.36
Hempstead Lake	12523.27	Max WS	28.86	28.86	0.00	0.00		0.11	1310.85	0.00	1042.85
Hempstead Lake	12515.8*	Max WS	28.86	28.86	0.00	0.00		0.25	1357.03		1010.65
Hempstead Lake	12508.3*	Max WS	28.86	28.86	0.00	0.00		0.26	1357.02		997.12
Hempstead Lake	12500.9*	Max WS	28.86	28.86	0.00	0.00		0.27	1357.01		987.72
Hempstead Lake	12493.4*	Max WS	28.86	28.86	0.00	0.00		0.28	1357.00		979.82
Hempstead Lake	12486.0*	Max WS	28.86	28.86	0.00	0.00		0.29	1357.37		972.70
Hempstead Lake	12478.5*	Max WS	28.86	28.86	0.00	0.00		0.29	1356.98		965.86
Hempstead Lake	12471.1*	Max WS	28.86	28.86	0.00	0.00		0.29	1356.98		959.25
Hempstead Lake	12463.7*	Max WS	28.86	28.86	0.00	0.00		0.31	1356.96		952.87
Hempstead Lake	12456.2*	Max WS	28.86	28.86	0.00	0.00		0.31	1356.96		946.68
Hempstead Lake	12448.8*	Max WS	28.86	28.86	0.00	0.00		0.31	1356.96		940.41
Hempstead Lake	12441.3*	Max WS	28.86	28.86	0.00	0.00		0.32	1357.27		934.27
Hempstead Lake	12433.9*	Max WS	28.86	28.86	0.00	0.00		0.33	1356.94		928.15
Hempstead Lake	12426.4*	Max WS	28.86	28.86	0.00	0.00		0.33	1356.94		922.15
Hempstead Lake	12419.0*	Max WS	28.86	28.86	0.00	0.00		0.34	1357.24		916.08
Hempstead Lake	12411.5*	Max WS	28.86	28.86	0.00	0.00		0.34	1357.22		910.12
Hempstead Lake	12404.1*	Max WS	28.86	28.86	0.00	0.00		0.34	1356.93		904.15
Hempstead Lake	12396.6*	Max WS	28.86	28.86	0.00	0.00		0.33	1357.21		898.20
Hempstead Lake	12389.2*	Max WS	28.86	28.86	0.00	0.00		0.34	1356.92		892.29
Hempstead Lake	12381.8*	Max WS	28.86	28.86	0.00	0.00		0.34	1356.92		886.35
Hempstead Lake	12374.3*	Max WS	28.86	28.86	0.00	0.00		0.34	1356.92		880.46
Hempstead Lake	12366.9*	Max WS	28.86	28.86	0.00	0.00		0.35	1357.17		874.60
Hempstead Lake	12359.46	Max WS	28.86	28.86	0.00	0.00		0.14	1357.12		868.76
Hempstead Lake	12350.7*	Max WS	28.86	28.86	0.00	0.00		0.37	1387.39		857.11
Hempstead Lake	12342.0*	Max WS	28.86	28.86	0.00	0.00		0.38	1387.66		845.50
Hempstead Lake	12333.3*	Max WS	28.86	28.86	0.00	0.00		0.40	1387.63		833.82
Hempstead Lake	12324.7*	Max WS	28.86	28.86	0.00	0.00		0.40	1387.63		822.17
Hempstead Lake	12316.0*	Max WS	28.86	28.86	0.00	0.00		0.41	1387.60		810.53
Hempstead Lake	12307.3*	Max WS	28.86	28.86	0.00	0.00		0.43	1387.57		798.92
Hempstead Lake	12298.6*	Max WS	28.86	28.86	0.00	0.00		0.45	1387.55		787.27
Hempstead Lake	12289.9*	Max WS	28.86	28.86	0.00	0.00		0.47	1387.52		775.60
Hempstead Lake	12281.2*	Max WS	28.86	28.86	0.00	0.00		0.49	1387.49		764.00
Hempstead Lake	12272.5*	Max WS	28.86	28.86	0.00	0.00		0.49	1387.49		752.32
Hempstead Lake	12263.8*	Max WS	28.86	28.86	0.00	0.00		0.51	1387.45		740.72
Hempstead Lake	12255.1*	Max WS	28.86	28.86	0.00	0.00		0.54	1387.42		729.09
Hempstead Lake	12246.4*	Max WS	28.86	28.86	0.00	0.00		0.57	1387.39		717.51
Hempstead Lake	12237.7*	Max WS	28.86	28.86	0.00	0.00		0.59	1387.35		705.83
Hempstead Lake	12229.1*	Max WS	28.86	28.86	0.00	0.00		0.63	1387.31		694.22
Hempstead Lake	12220.4*	Max WS	28.86	28.86	0.00	0.00		0.63	1387.30		682.63
Hempstead Lake	12211.7*	Max WS	28.86	28.86	0.00	0.00		0.67	1387.26		671.05
Hempstead Lake	12203.0*	Max WS	28.86	28.85	0.00	0.00		0.71	1387.22		659.49
Hempstead Lake	12194.3*	Max WS	28.86	28.85	0.00	0.00		0.74	1387.17		647.86
Hempstead Lake	12185.6*	Max WS	28.86	28.85	0.00	0.00		0.79	1387.12		636.12
Hempstead Lake	12176.9*	Max WS	28.86	28.85	0.00	0.00		0.84	1387.07		623.32
Hempstead Lake	12168.2*	Max WS	28.86	28.85	0.00	0.00		0.85	1387.05		610.67
Hempstead Lake	12159.5*	Max WS	28.86	28.85	0.00	0.00		0.89	1387.00		598.09
Hempstead Lake	12150.8*	Max WS	28.86	28.85	0.00	0.00		0.94	1386.95		585.53

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	28.85	28.85	0.00	0.00		0.87	1387.01		573.10
Hempstead Lake	12133.5*	Max WS	28.85	28.85	0.00	0.00		0.95	1386.92		561.11
Hempstead Lake	12124.8*	Max WS	28.85	28.85	0.00	0.00		1.04	1386.83		549.37
Hempstead Lake	12116.1*	Max WS	28.85	28.85	0.01	0.00		1.10	1386.77		537.70
Hempstead Lake	12107.4*	Max WS	28.85	28.85	0.01	0.00		1.17	1386.69		526.14
Hempstead Lake	12098.7*	Max WS	28.85	28.85	0.01	0.00		1.24	1386.61		514.59
Hempstead Lake	12090.0*	Max WS	28.85	28.85	0.01	0.00		1.34	1386.51		502.53
Hempstead Lake	12081.3*	Max WS	28.85	28.85	0.01	0.00		1.44	1386.40		490.46
Hempstead Lake	12072.6*	Max WS	28.85	28.84	0.01	0.00		1.55	1386.29		479.00
Hempstead Lake	12063.9*	Max WS	28.85	28.84	0.01	0.00		1.63	1386.21		468.17
Hempstead Lake	12055.2*	Max WS	28.85	28.84	0.01	0.00		1.68	1386.15		458.25
Hempstead Lake	12046.5*	Max WS	28.85	28.84	0.01	0.00		1.83	1386.00		449.31
Hempstead Lake	12037.9*	Max WS	28.85	28.84	0.01	0.00		2.02	1385.80		440.14
Hempstead Lake	12029.2*	Max WS	28.85	28.84	0.01	0.00		2.21	1385.61		435.36
Hempstead Lake	12020.5*	Max WS	28.85	28.84	0.01	0.00		2.57	1385.25		427.26
Hempstead Lake	12011.8*	Max WS	28.85	28.84	0.01	0.00		2.95	1384.86		417.48
Hempstead Lake	12003.1*	Max WS	28.85	28.84	0.01	0.00		3.45	1384.36		407.73
Hempstead Lake	11994.45	Max WS	28.85	28.84	0.01	0.00		3.35	1384.45		396.60
Hempstead Lake	11989.45	Max WS	28.85	28.83	0.02			1.02	1386.79		392.74
Hempstead Lake	11979.45		Inl Struct								
Hempstead Lake	11969.45	Max WS	28.83	28.80	0.03	0.00			1387.81		279.32
Hempstead Lake	11964.45	Max WS	28.83	28.80	0.03	0.00			1387.81		268.14
Hempstead Lake	11954.6*	Max WS	28.83	28.80	0.03	0.00			1387.81		263.29
Hempstead Lake	11944.8*	Max WS	28.83	28.79	0.03	0.00			1387.80		257.75
Hempstead Lake	11934.9*	Max WS	28.83	28.79	0.04	0.00			1387.80		251.48
Hempstead Lake	11925.1*	Max WS	28.82	28.78	0.04	0.00			1387.80		243.61
Hempstead Lake	11915.3*	Max WS	28.82	28.77	0.05	0.00			1387.80		234.37
Hempstead Lake	11905.5*	Max WS	28.82	28.77	0.06	0.00			1387.80		221.19
Hempstead Lake	11895.6*	Max WS	28.82	28.75	0.07	0.00			1387.80		207.33
Hempstead Lake	11885.8*	Max WS	28.82	28.74	0.08	0.00			1387.80		188.29
Hempstead Lake	11876.0*	Max WS	28.82	28.72	0.09	0.00			1387.79		172.59
Hempstead Lake	11866.2*	Max WS	28.81	28.70	0.11	0.00			1387.79		151.28
Hempstead Lake	11856.4*	Max WS	28.81	28.68	0.13	0.00			1387.79		115.89
Hempstead Lake	11846.5*	Max WS	28.81	28.66	0.15	0.00			1387.79		104.38
Hempstead Lake	11836.7*	Max WS	28.80	28.63	0.17	0.00			1387.79		86.72
Hempstead Lake	11826.9*	Max WS	28.80	28.59	0.21	0.00			1387.79		56.03
Hempstead Lake	11817.1*	Max WS	28.80	28.55	0.25	0.01			1387.79		51.43
Hempstead Lake	11807.2*	Max WS	28.79	28.48	0.31	0.01			1387.79		46.90
Hempstead Lake	11797.46	Max WS	28.78	28.39	0.39	0.00			1387.79		42.40
Hempstead Lake	11792.46	Max WS	28.78	28.49	0.29				1387.79		52.34
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	24.32	24.28	0.04	0.00			232.97		36.93
Hempstead Lake	11627.46	Max WS	24.32	24.28	0.05	0.00			230.89		36.13
Hempstead Lake	11623.2*	Max WS	24.32	24.27	0.05	0.00			226.87		34.30
Hempstead Lake	11619.1*	Max WS	24.32	24.26	0.05	0.00			226.17		34.03
Hempstead Lake	11614.94	Max WS	24.32	24.28	0.04	0.00			231.84		38.90
Hempstead Lake	11612.94	Max WS	24.32	24.28	0.04	0.00			231.36		39.35
Hempstead Lake	11606.9*	Max WS	24.32	24.28	0.04	0.00			231.05		39.45
Hempstead Lake	11600.94	Max WS	24.31	24.27	0.04	0.00			230.74		39.58
Hempstead Lake	11598.94	Max WS	24.31	24.27	0.04	0.00			230.43		39.41
Hempstead Lake	11573.9*	Max WS	24.31	24.30	0.01	0.00			241.05		63.87
Hempstead Lake	11548.9*	Max WS	24.31	24.30	0.01	0.00			246.52		88.25
Hempstead Lake	11523.9*	Max WS	24.31	24.31	0.00	0.00			246.71		112.73
Hempstead Lake	11498.9*	Max WS	24.31	24.31	0.00	0.00			247.09		137.29
Hempstead Lake	11473.9*	Max WS	24.31	24.31	0.00	0.00			247.46		161.91
Hempstead Lake	11448.9*	Max WS	24.31	24.31	0.00	0.00			247.46		186.69
Hempstead Lake	11423.9*	Max WS	24.31	24.31	0.00	0.00			247.46		211.57
Hempstead Lake	11398.9*	Max WS	24.31	24.31	0.00	0.00			247.09		236.65
Hempstead Lake	11373.9*	Max WS	24.31	24.31	0.00	0.00			247.46		261.93
Hempstead Lake	11349.*	Max WS	24.31	24.31	0.00	0.00			247.27		287.44
Hempstead Lake	11324.*	Max WS	24.31	24.31	0.00	0.00			247.08		312.83
Hempstead Lake	11299.0*	Max WS	24.31	24.31	0.00	0.00			247.27		337.38
Hempstead Lake	11274.0*	Max WS	24.31	24.31	0.00	0.00			246.90		372.19
Hempstead Lake	11249.0*	Max WS	24.31	24.31	0.00	0.00			247.08		419.02
Hempstead Lake	11224.0*	Max WS	24.31	24.31	0.00	0.00		0.60	246.67		657.90
Hempstead Lake	11199.0*	Max WS	24.31	24.31	0.00	0.00		12.72	233.99		982.31
Hempstead Lake	11174.0*	Max WS	24.31	24.31	0.00	0.00		39.97	206.92		1219.77
Hempstead Lake	11149.0*	Max WS	24.31	24.31	0.00	0.00		75.54	171.72		1316.75
Hempstead Lake	11124.0*	Max WS	24.31	24.31	0.00	0.00		109.79	137.29		1392.99
Hempstead Lake	11099.0*	Max WS	24.31	24.31	0.00	0.00		137.73	109.52		1467.33
Hempstead Lake	11074.0*	Max WS	24.31	24.31	0.00	0.00		161.37	85.70		1540.69
Hempstead Lake	11049.07	Max WS	24.31	24.31	0.00	0.00		125.63	121.26		1612.45

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	24.31	24.31	0.00	0.00		166.93	80.13		1592.86
Hempstead Lake	11027.7*	Max WS	24.31	24.31	0.00	0.00		156.48	90.23		1573.20
Hempstead Lake	11017.0*	Max WS	24.31	24.31	0.00	0.00		142.76	103.78		1553.47
Hempstead Lake	11006.4*	Max WS	24.31	24.31	0.00	0.00		127.48	119.40		1533.72
Hempstead Lake	10995.7*	Max WS	24.31	24.31	0.00	0.00		112.17	134.72		1514.13
Hempstead Lake	10985.0*	Max WS	24.31	24.31	0.00	0.00		93.33	153.72		1494.78
Hempstead Lake	10974.4*	Max WS	24.31	24.31	0.00	0.00		74.82	171.89		1475.34
Hempstead Lake	10963.7*	Max WS	24.31	24.31	0.00	0.00		54.50	192.21		1455.78
Hempstead Lake	10953.1*	Max WS	24.31	24.31	0.00	0.00		35.23	211.65		1436.25
Hempstead Lake	10942.4*	Max WS	24.31	24.31	0.00	0.00		23.70	223.35		1280.21
Hempstead Lake	10931.7*	Max WS	24.31	24.31	0.00	0.00		11.51	235.37		1217.58
Hempstead Lake	10921.1*	Max WS	24.31	24.31	0.00	0.00		3.71	243.00		1156.17
Hempstead Lake	10910.4*	Max WS	24.31	24.31	0.00	0.00		0.63	246.24		929.01
Hempstead Lake	10899.7*	Max WS	24.31	24.31	0.00	0.00			246.71		729.15
Hempstead Lake	10889.1*	Max WS	24.31	24.31	0.00	0.00			246.54		688.74
Hempstead Lake	10878.4*	Max WS	24.31	24.31	0.00	0.00			246.71		683.95
Hempstead Lake	10867.8*	Max WS	24.31	24.31	0.00	0.00			246.70		680.35
Hempstead Lake	10857.1*	Max WS	24.31	24.31	0.00	0.00			246.87		675.05
Hempstead Lake	10846.4*	Max WS	24.31	24.31	0.00	0.00			246.87		669.52
Hempstead Lake	10835.8*	Max WS	24.31	24.31	0.00	0.00			246.70		664.90
Hempstead Lake	10825.1*	Max WS	24.31	24.31	0.00	0.00			246.70		661.28
Hempstead Lake	10814.4*	Max WS	24.31	24.31	0.00	0.00			246.70		658.22
Hempstead Lake	10803.8*	Max WS	24.31	24.31	0.00	0.00			246.86		656.14
Hempstead Lake	10793.1*	Max WS	24.31	24.31	0.00	0.00			246.86		655.17
Hempstead Lake	10782.4*	Max WS	24.31	24.31	0.00	0.00			246.70		654.99
Hempstead Lake	10771.8*	Max WS	24.31	24.31	0.00	0.00			246.70		655.39
Hempstead Lake	10761.1*	Max WS	24.31	24.31	0.00	0.00			246.70		656.09
Hempstead Lake	10750.5*	Max WS	24.31	24.31	0.00	0.00			246.86		657.16
Hempstead Lake	10739.8*	Max WS	24.31	24.31	0.00	0.00			246.70		658.42
Hempstead Lake	10729.1*	Max WS	24.31	24.31	0.00	0.00			246.70		659.93
Hempstead Lake	10718.5*	Max WS	24.31	24.31	0.00	0.00			246.70		661.62
Hempstead Lake	10707.8*	Max WS	24.31	24.31	0.00	0.00			246.85		663.67
Hempstead Lake	10697.1*	Max WS	24.31	24.31	0.00	0.00			246.85		665.83
Hempstead Lake	10686.5*	Max WS	24.31	24.31	0.00	0.00			246.69		668.22
Hempstead Lake	10675.8*	Max WS	24.31	24.31	0.00	0.00			246.54		670.53
Hempstead Lake	10665.2*	Max WS	24.31	24.31	0.00	0.00			246.54		673.11
Hempstead Lake	10654.5*	Max WS	24.31	24.31	0.00	0.00			246.54		675.96
Hempstead Lake	10643.8*	Max WS	24.31	24.31	0.00	0.00			246.54		678.81
Hempstead Lake	10633.2*	Max WS	24.31	24.31	0.00	0.00			246.54		681.65
Hempstead Lake	10622.5*	Max WS	24.31	24.31	0.00	0.00			246.69		684.76
Hempstead Lake	10611.8*	Max WS	24.31	24.31	0.00	0.00			246.84		687.89
Hempstead Lake	10601.2*	Max WS	24.31	24.31	0.00	0.00			246.84		691.20
Hempstead Lake	10590.5*	Max WS	24.31	24.31	0.00	0.00			246.53		694.52
Hempstead Lake	10579.8*	Max WS	24.31	24.31	0.00	0.00			246.39		697.94
Hempstead Lake	10569.23	Max WS	24.31	24.31	0.00	0.00			246.53		701.40
Hempstead Lake	10549.1*	Max WS	24.31	24.31	0.00	0.00			246.83		702.35
Hempstead Lake	10529.0*	Max WS	24.31	24.31	0.00	0.00			246.38		703.55
Hempstead Lake	10508.9*	Max WS	24.31	24.31	0.00	0.00			246.23		704.71
Hempstead Lake	10488.7*	Max WS	24.31	24.31	0.00	0.00			246.53		706.13
Hempstead Lake	10468.6*	Max WS	24.31	24.31	0.00	0.00			246.38		707.86
Hempstead Lake	10448.5*	Max WS	24.31	24.31	0.00	0.00			246.68		709.74
Hempstead Lake	10428.4*	Max WS	24.31	24.31	0.00	0.00			246.68		711.79
Hempstead Lake	10408.3*	Max WS	24.31	24.31	0.00	0.00			246.68		714.13
Hempstead Lake	10388.2*	Max WS	24.31	24.31	0.00	0.00			246.68		716.73
Hempstead Lake	10368.1*	Max WS	24.31	24.31	0.00	0.00			246.67		719.72
Hempstead Lake	10348.0*	Max WS	24.31	24.31	0.00	0.00			246.38		722.75
Hempstead Lake	10327.9*	Max WS	24.31	24.31	0.00	0.00			246.53		726.33
Hempstead Lake	10307.8*	Max WS	24.31	24.31	0.00	0.00			246.81		730.21
Hempstead Lake	10287.7*	Max WS	24.31	24.31	0.00	0.00			246.53		734.49
Hempstead Lake	10267.6*	Max WS	24.31	24.31	0.00	0.00			246.67		739.15
Hempstead Lake	10247.4*	Max WS	24.31	24.31	0.00	0.00			246.53		744.26
Hempstead Lake	10227.3*	Max WS	24.31	24.31	0.00	0.00			246.38		749.90
Hempstead Lake	10207.2*	Max WS	24.31	24.31	0.00	0.00			246.81		756.67
Hempstead Lake	10187.1*	Max WS	24.31	24.31	0.00	0.00			246.53		764.84
Hempstead Lake	10167.0*	Max WS	24.31	24.31	0.00	0.00			246.66		774.12
Hempstead Lake	10146.9*	Max WS	24.31	24.31	0.00	0.00			246.52		784.42
Hempstead Lake	10126.8*	Max WS	24.31	24.31	0.00	0.00			246.52		795.91
Hempstead Lake	10106.7*	Max WS	24.31	24.31	0.00	0.00			246.80		801.58
Hempstead Lake	10086.6*	Max WS	24.31	24.31	0.00	0.00			246.52		802.36
Hempstead Lake	10066.5*	Max WS	24.31	24.31	0.00	0.00			246.66		803.17
Hempstead Lake	10046.4*	Max WS	24.31	24.31	0.00	0.00			246.52		803.87
Hempstead Lake	10026.2*	Max WS	24.31	24.31	0.00	0.00			246.65		804.51

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	24.31	24.31	0.00	0.00			246.52		805.11
Hempstead Lake	9986.073	Max WS	24.31	24.31	0.00	0.00			246.38		805.79
Hempstead Lake	9965.77*	Max WS	24.31	24.31	0.00	0.00			246.65		804.18
Hempstead Lake	9945.47*	Max WS	24.31	24.31	0.00	0.00			246.78		802.70
Hempstead Lake	9925.18*	Max WS	24.31	24.31	0.00	0.00			246.65		801.19
Hempstead Lake	9904.88*	Max WS	24.31	24.31	0.00	0.00			246.52		799.97
Hempstead Lake	9884.59*	Max WS	24.31	24.31	0.00	0.00			246.38		798.85
Hempstead Lake	9864.29*	Max WS	24.31	24.31	0.00	0.00			246.38		797.96
Hempstead Lake	9843.99*	Max WS	24.31	24.31	0.00	0.00			246.51		797.03
Hempstead Lake	9823.7*	Max WS	24.31	24.31	0.00	0.00			246.64		796.51
Hempstead Lake	9803.40*	Max WS	24.31	24.31	0.00	0.00			246.51		796.07
Hempstead Lake	9783.10*	Max WS	24.31	24.31	0.00	0.00			246.64		795.83
Hempstead Lake	9762.81*	Max WS	24.31	24.31	0.00	0.00			246.77		795.95
Hempstead Lake	9742.51*	Max WS	24.31	24.31	0.00	0.00			246.77		796.25
Hempstead Lake	9722.21*	Max WS	24.31	24.31	0.00	0.00			246.64		797.04
Hempstead Lake	9701.92*	Max WS	24.31	24.31	0.00	0.00			246.76		798.02
Hempstead Lake	9681.62*	Max WS	24.31	24.31	0.00	0.00			246.64		796.82
Hempstead Lake	9661.32*	Max WS	24.31	24.31	0.00	0.00			246.51		794.82
Hempstead Lake	9641.03*	Max WS	24.31	24.31	0.00	0.00			246.51		792.60
Hempstead Lake	9620.73*	Max WS	24.31	24.31	0.00	0.00			246.63		790.32
Hempstead Lake	9600.43*	Max WS	24.31	24.31	0.00	0.00			246.39		787.79
Hempstead Lake	9580.14*	Max WS	24.31	24.31	0.00	0.00			246.75		785.19
Hempstead Lake	9559.84*	Max WS	24.31	24.31	0.00	0.00			246.39		782.50
Hempstead Lake	9539.54*	Max WS	24.31	24.31	0.00	0.00			246.75		779.62
Hempstead Lake	9519.25*	Max WS	24.31	24.31	0.00	0.00			246.63		776.74
Hempstead Lake	9498.95*	Max WS	24.31	24.31	0.00	0.00			246.51		773.63
Hempstead Lake	9478.65*	Max WS	24.31	24.31	0.00	0.00			246.62		770.41
Hempstead Lake	9458.36*	Max WS	24.31	24.31	0.00	0.00			246.74		767.21
Hempstead Lake	9438.06*	Max WS	24.31	24.31	0.00	0.00			246.62		763.78
Hempstead Lake	9417.76*	Max WS	24.31	24.31	0.00	0.00			246.74		760.31
Hempstead Lake	9397.47*	Max WS	24.31	24.31	0.00	0.00			246.50		756.77
Hempstead Lake	9377.17*	Max WS	24.31	24.31	0.00	0.00			246.74		753.12
Hempstead Lake	9356.87*	Max WS	24.31	24.31	0.00	0.00			246.74		749.35
Hempstead Lake	9336.58*	Max WS	24.31	24.31	0.00	0.00			246.74		745.53
Hempstead Lake	9316.28*	Max WS	24.31	24.31	0.00	0.00			246.39		741.60
Hempstead Lake	9295.98*	Max WS	24.31	24.31	0.00	0.00			246.39		737.60
Hempstead Lake	9275.69*	Max WS	24.31	24.31	0.00	0.00			246.62		733.56
Hempstead Lake	9255.39*	Max WS	24.31	24.31	0.00	0.00			246.27		729.38
Hempstead Lake	9235.09*	Max WS	24.31	24.31	0.00	0.00			246.50		725.16
Hempstead Lake	9214.80*	Max WS	24.31	24.31	0.00	0.00			246.39		720.90
Hempstead Lake	9194.50*	Max WS	24.31	24.31	0.00	0.00			246.61		716.50
Hempstead Lake	9174.20*	Max WS	24.31	24.31	0.00	0.00			246.61		712.09
Hempstead Lake	9153.910	Max WS	24.31	24.31	0.00	0.00			246.28		707.61
Hempstead Lake	9133.22*	Max WS	24.31	24.31	0.00	0.00			254.17		710.34
Hempstead Lake	9112.54*	Max WS	24.31	24.31	0.00	0.00			254.28		713.00
Hempstead Lake	9091.85*	Max WS	24.31	24.31	0.00	0.00			254.06		715.59
Hempstead Lake	9071.17*	Max WS	24.31	24.31	0.00	0.00			254.28		718.13
Hempstead Lake	9050.49*	Max WS	24.31	24.31	0.00	0.00			254.16		720.53
Hempstead Lake	9029.80*	Max WS	24.31	24.31	0.00	0.00			254.16		722.89
Hempstead Lake	9009.12*	Max WS	24.31	24.31	0.00	0.00			254.27		725.11
Hempstead Lake	8988.44*	Max WS	24.31	24.31	0.00	0.00			254.05		727.33
Hempstead Lake	8967.75*	Max WS	24.31	24.31	0.00	0.00			254.05		729.35
Hempstead Lake	8947.07*	Max WS	24.31	24.31	0.00	0.00			254.05		731.33
Hempstead Lake	8926.39*	Max WS	24.31	24.31	0.00	0.00			254.05		733.16
Hempstead Lake	8905.70*	Max WS	24.31	24.31	0.00	0.00			254.05		735.02
Hempstead Lake	8885.02*	Max WS	24.31	24.31	0.00	0.00			254.26		736.70
Hempstead Lake	8864.33*	Max WS	24.31	24.31	0.00	0.00			254.15		738.21
Hempstead Lake	8843.65*	Max WS	24.31	24.31	0.00	0.00			254.05		739.21
Hempstead Lake	8822.97*	Max WS	24.31	24.31	0.00	0.00			253.95		739.81
Hempstead Lake	8802.28*	Max WS	24.31	24.31	0.00	0.00			254.15		739.53
Hempstead Lake	8781.60*	Max WS	24.31	24.31	0.00	0.00			254.25		738.82
Hempstead Lake	8760.92*	Max WS	24.31	24.31	0.00	0.00			254.15		737.70
Hempstead Lake	8740.23*	Max WS	24.31	24.31	0.00	0.00			254.15		736.07
Hempstead Lake	8719.55*	Max WS	24.31	24.31	0.00	0.00			254.05		733.66
Hempstead Lake	8698.86*	Max WS	24.31	24.31	0.00	0.00			254.25		730.80
Hempstead Lake	8678.18*	Max WS	24.31	24.31	0.00	0.00			254.15		729.41
Hempstead Lake	8657.50*	Max WS	24.31	24.31	0.00	0.00			254.14		728.35
Hempstead Lake	8636.81*	Max WS	24.31	24.31	0.00	0.00			254.14		727.17
Hempstead Lake	8616.13*	Max WS	24.31	24.31	0.00	0.00			254.05		725.72
Hempstead Lake	8595.45*	Max WS	24.31	24.31	0.00	0.00			253.95		722.81
Hempstead Lake	8574.76*	Max WS	24.31	24.31	0.00	0.00			254.14		719.57
Hempstead Lake	8554.08*	Max WS	24.31	24.31	0.00	0.00			254.23		716.80

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	24.31	24.31	0.00	0.00			254.14		714.25
Hempstead Lake	8512.71*	Max WS	24.31	24.31	0.00	0.00			254.14		711.89
Hempstead Lake	8492.03*	Max WS	24.31	24.31	0.00	0.00			254.04		709.86
Hempstead Lake	8471.34*	Max WS	24.31	24.31	0.00	0.00			254.23		707.90
Hempstead Lake	8450.66*	Max WS	24.31	24.31	0.00	0.00			253.95		706.18
Hempstead Lake	8429.980	Max WS	24.31	24.31	0.00	0.00			253.95		704.48
Hempstead Lake	8416.34*	Max WS	24.31	24.31	0.00	0.00			254.13		709.59
Hempstead Lake	8402.71*	Max WS	24.31	24.31	0.00	0.00			254.04		714.76
Hempstead Lake	8389.07*	Max WS	24.31	24.31	0.00	0.00			254.04		719.92
Hempstead Lake	8375.44*	Max WS	24.31	24.31	0.00	0.00			254.13		725.23
Hempstead Lake	8361.81*	Max WS	24.31	24.31	0.00	0.00			254.13		730.35
Hempstead Lake	8348.17*	Max WS	24.31	24.31	0.00	0.00			254.13		735.55
Hempstead Lake	8334.54*	Max WS	24.31	24.31	0.00	0.00			253.95		740.71
Hempstead Lake	8320.91*	Max WS	24.31	24.31	0.00	0.00			254.04		745.92
Hempstead Lake	8307.27*	Max WS	24.31	24.31	0.00	0.00			254.04		751.05
Hempstead Lake	8293.64*	Max WS	24.31	24.31	0.00	0.00			254.12		756.41
Hempstead Lake	8280.00*	Max WS	24.31	24.31	0.00	0.00			254.21		761.60
Hempstead Lake	8266.37*	Max WS	24.31	24.31	0.00	0.00			254.04		766.75
Hempstead Lake	8252.74*	Max WS	24.31	24.31	0.00	0.00			254.04		772.00
Hempstead Lake	8239.10*	Max WS	24.31	24.31	0.00	0.00			254.21		777.23
Hempstead Lake	8225.47*	Max WS	24.31	24.31	0.00	0.00			254.04		782.43
Hempstead Lake	8211.84*	Max WS	24.31	24.31	0.00	0.00			254.04		787.71
Hempstead Lake	8198.20*	Max WS	24.31	24.31	0.00	0.00			254.20		793.18
Hempstead Lake	8184.57*	Max WS	24.31	24.31	0.00	0.00			254.12		798.39
Hempstead Lake	8170.93*	Max WS	24.31	24.31	0.00	0.00			253.95		803.74
Hempstead Lake	8157.30*	Max WS	24.31	24.31	0.00	0.00			253.95		809.11
Hempstead Lake	8143.67*	Max WS	24.31	24.31	0.00	0.00			254.03		814.49
Hempstead Lake	8130.03*	Max WS	24.31	24.31	0.00	0.00			254.03		819.80
Hempstead Lake	8116.40*	Max WS	24.31	24.31	0.00	0.00			254.03		825.43
Hempstead Lake	8102.76*	Max WS	24.31	24.31	0.00	0.00			254.11		830.90
Hempstead Lake	8089.13*	Max WS	24.31	24.31	0.00	0.00			253.95		836.27
Hempstead Lake	8075.50*	Max WS	24.31	24.31	0.00	0.00			253.95		841.81
Hempstead Lake	8061.86*	Max WS	24.31	24.31	0.00	0.00			254.11		847.38
Hempstead Lake	8048.23*	Max WS	24.31	24.31	0.00	0.00			253.95		853.71
Hempstead Lake	8034.6*	Max WS	24.31	24.31	0.00	0.00			254.11		860.49
Hempstead Lake	8020.96*	Max WS	24.31	24.31	0.00	0.00			254.11		867.38
Hempstead Lake	8007.33*	Max WS	24.31	24.31	0.00	0.00			254.11		873.80
Hempstead Lake	7993.69*	Max WS	24.31	24.31	0.00	0.00			253.95		880.36
Hempstead Lake	7980.06*	Max WS	24.31	24.31	0.00	0.00			254.18		886.90
Hempstead Lake	7966.43*	Max WS	24.31	24.31	0.00	0.00			254.03		893.30
Hempstead Lake	7952.79*	Max WS	24.31	24.31	0.00	0.00			254.03		899.71
Hempstead Lake	7939.16*	Max WS	24.31	24.31	0.00	0.00			254.18		906.20
Hempstead Lake	7925.53*	Max WS	24.31	24.31	0.00	0.00			254.03		912.70
Hempstead Lake	7911.89*	Max WS	24.31	24.31	0.00	0.00			254.10		919.17
Hempstead Lake	7898.26*	Max WS	24.31	24.31	0.00	0.00			253.96		925.60
Hempstead Lake	7884.62*	Max WS	24.31	24.31	0.00	0.00			254.10		932.20
Hempstead Lake	7870.99*	Max WS	24.31	24.31	0.00	0.00			253.95		938.84
Hempstead Lake	7857.36*	Max WS	24.31	24.31	0.00	0.00			254.10		945.44
Hempstead Lake	7843.72*	Max WS	24.31	24.31	0.00	0.00			254.02		952.34
Hempstead Lake	7830.09*	Max WS	24.31	24.31	0.00	0.00			254.10		959.06
Hempstead Lake	7816.45*	Max WS	24.31	24.31	0.00	0.00			254.09		965.81
Hempstead Lake	7802.82*	Max WS	24.31	24.31	0.00	0.00			254.02		972.62
Hempstead Lake	7789.19*	Max WS	24.31	24.31	0.00	0.00			254.02		979.60
Hempstead Lake	7775.55*	Max WS	24.31	24.31	0.00	0.00			253.96		986.63
Hempstead Lake	7761.92*	Max WS	24.31	24.31	0.00	0.00			254.09		993.95
Hempstead Lake	7748.29*	Max WS	24.31	24.31	0.00	0.00			254.16		1001.29
Hempstead Lake	7734.65*	Max WS	24.31	24.31	0.00	0.00			254.16		1008.26
Hempstead Lake	7721.02*	Max WS	24.31	24.31	0.00	0.00			254.09		1015.74
Hempstead Lake	7707.38*	Max WS	24.31	24.31	0.00	0.00			254.02		1020.79
Hempstead Lake	7693.75*	Max WS	24.31	24.31	0.00	0.00			254.09		1024.99
Hempstead Lake	7680.12*	Max WS	24.31	24.31	0.00	0.00			254.02		1028.30
Hempstead Lake	7666.48*	Max WS	24.31	24.31	0.00	0.00			254.09		1031.61
Hempstead Lake	7652.85*	Max WS	24.31	24.31	0.00	0.00			254.09		1034.78
Hempstead Lake	7639.22*	Max WS	24.31	24.31	0.00	0.00			254.08		1037.96
Hempstead Lake	7625.58*	Max WS	24.31	24.31	0.00	0.00			254.08		1041.09
Hempstead Lake	7611.95*	Max WS	24.31	24.31	0.00	0.00			254.08		1044.25
Hempstead Lake	7598.31*	Max WS	24.31	24.31	0.00	0.00			254.08		1047.39
Hempstead Lake	7584.68*	Max WS	24.31	24.31	0.00	0.00			253.96		1050.46
Hempstead Lake	7571.05*	Max WS	24.31	24.31	0.00	0.00			254.14		1053.49
Hempstead Lake	7557.41*	Max WS	24.31	24.31	0.00	0.00		0.00	254.08		1056.55
Hempstead Lake	7543.783	Max WS	24.31	24.31	0.00	0.00		0.00	254.02		1059.58
Hempstead Lake	7530.03*	Max WS	24.31	24.31	0.00	0.00		0.00	261.67		1061.42

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	24.31	24.31	0.00	0.00			261.61		1063.28
Hempstead Lake	7502.53*	Max WS	24.31	24.31	0.00	0.00			261.67		1065.20
Hempstead Lake	7488.79*	Max WS	24.31	24.31	0.00	0.00			261.61		1067.19
Hempstead Lake	7475.04*	Max WS	24.31	24.31	0.00	0.00			261.54		1069.29
Hempstead Lake	7461.29*	Max WS	24.31	24.31	0.00	0.00			261.66		1071.45
Hempstead Lake	7447.54*	Max WS	24.31	24.31	0.00	0.00			261.48		1073.75
Hempstead Lake	7433.79*	Max WS	24.31	24.31	0.00	0.00			261.54		1076.15
Hempstead Lake	7420.04*	Max WS	24.31	24.31	0.00	0.00			261.60		1078.57
Hempstead Lake	7406.3*	Max WS	24.31	24.31	0.00	0.00			261.54		1081.18
Hempstead Lake	7392.55*	Max WS	24.31	24.31	0.00	0.00			261.66		1083.84
Hempstead Lake	7378.80*	Max WS	24.31	24.31	0.00	0.00			261.60		1086.24
Hempstead Lake	7365.05*	Max WS	24.31	24.31	0.00	0.00			261.54		1088.27
Hempstead Lake	7351.30*	Max WS	24.31	24.31	0.00	0.00			261.60		1090.14
Hempstead Lake	7337.55*	Max WS	24.31	24.31	0.00	0.00			261.54		1090.37
Hempstead Lake	7323.81*	Max WS	24.31	24.31	0.00	0.00			261.59		1090.05
Hempstead Lake	7310.06*	Max WS	24.31	24.31	0.00	0.00			261.59		1089.86
Hempstead Lake	7296.31*	Max WS	24.31	24.31	0.00	0.00			261.59		1089.70
Hempstead Lake	7282.56*	Max WS	24.31	24.31	0.00	0.00			261.54		1089.66
Hempstead Lake	7268.81*	Max WS	24.31	24.31	0.00	0.00			261.59		1089.62
Hempstead Lake	7255.06*	Max WS	24.31	24.31	0.00	0.00			261.64		1089.65
Hempstead Lake	7241.32*	Max WS	24.31	24.31	0.00	0.00			261.64		1089.95
Hempstead Lake	7227.57*	Max WS	24.31	24.31	0.00	0.00			261.59		1090.95
Hempstead Lake	7213.82*	Max WS	24.31	24.31	0.00	0.00			261.59		1092.01
Hempstead Lake	7200.07*	Max WS	24.31	24.31	0.00	0.00			261.58		1093.23
Hempstead Lake	7186.32*	Max WS	24.31	24.31	0.00	0.00			261.54		1094.37
Hempstead Lake	7172.57*	Max WS	24.31	24.31	0.00	0.00			261.53		1095.56
Hempstead Lake	7158.83*	Max WS	24.31	24.31	0.00	0.00			261.58		1096.90
Hempstead Lake	7145.08*	Max WS	24.31	24.31	0.00	0.00			261.49		1098.15
Hempstead Lake	7131.33*	Max WS	24.31	24.31	0.00	0.00			261.62		1099.51
Hempstead Lake	7117.58*	Max WS	24.31	24.31	0.00	0.00			261.49		1100.92
Hempstead Lake	7103.83*	Max WS	24.31	24.31	0.00	0.00			261.58		1098.36
Hempstead Lake	7090.08*	Max WS	24.31	24.31	0.00	0.00			261.58		1095.55
Hempstead Lake	7076.34*	Max WS	24.31	24.31	0.00	0.00			261.53		1092.80
Hempstead Lake	7062.59*	Max WS	24.31	24.31	0.00	0.00			261.62		1089.62
Hempstead Lake	7048.84*	Max WS	24.31	24.31	0.00	0.00			261.57		1086.65
Hempstead Lake	7035.09*	Max WS	24.31	24.31	0.00	0.00			261.57		1083.74
Hempstead Lake	7021.34*	Max WS	24.31	24.31	0.00	0.00			261.53		1083.58
Hempstead Lake	7007.6*	Max WS	24.31	24.31	0.00	0.00			261.53		1084.98
Hempstead Lake	6993.85*	Max WS	24.31	24.31	0.00	0.00			261.56		1086.53
Hempstead Lake	6980.10*	Max WS	24.31	24.31	0.00	0.00			261.53		1087.99
Hempstead Lake	6966.35*	Max WS	24.31	24.31	0.00	0.00			261.56		1089.45
Hempstead Lake	6952.60*	Max WS	24.31	24.31	0.00	0.00			261.56		1090.97
Hempstead Lake	6938.85*	Max WS	24.31	24.31	0.00	0.00			261.56		1092.42
Hempstead Lake	6925.11*	Max WS	24.31	24.31	0.00	0.00			261.60		1093.89
Hempstead Lake	6911.36*	Max WS	24.31	24.31	0.00	0.00			261.56		1095.44
Hempstead Lake	6897.61*	Max WS	24.31	24.31	0.00	0.00			261.60		1096.86
Hempstead Lake	6883.86*	Max WS	24.31	24.31	0.00	0.00			261.59		1098.34
Hempstead Lake	6870.11*	Max WS	24.31	24.31	0.00	0.00			261.59		1099.87
Hempstead Lake	6856.36*	Max WS	24.31	24.31	0.00	0.00			261.56		1101.25
Hempstead Lake	6842.62*	Max WS	24.31	24.31	0.00	0.00			261.56		1102.73
Hempstead Lake	6828.87*	Max WS	24.31	24.31	0.00	0.00			261.59	0.00	1104.21
Hempstead Lake	6815.12*	Max WS	24.31	24.31	0.00	0.00			261.58	0.00	1105.71
Hempstead Lake	6801.37*	Max WS	24.31	24.31	0.00	0.00			261.52	0.00	1107.15
Hempstead Lake	6787.62*	Max WS	24.31	24.31	0.00	0.00			261.49	0.00	1108.61
Hempstead Lake	6773.87*	Max WS	24.31	24.31	0.00	0.00			261.58	0.00	1110.03
Hempstead Lake	6760.13*	Max WS	24.31	24.31	0.00	0.00			261.49	0.00	1111.54
Hempstead Lake	6746.38*	Max WS	24.31	24.31	0.00	0.00			261.54	0.01	1112.95
Hempstead Lake	6732.634	Max WS	24.31	24.31	0.00	0.00			261.50	0.02	1114.20
Hempstead Lake	6718.98*	Max WS	24.31	24.31	0.00	0.00			261.49	0.00	1110.83
Hempstead Lake	6705.33*	Max WS	24.31	24.31	0.00	0.00			261.52	0.00	1107.50
Hempstead Lake	6691.68*	Max WS	24.31	24.31	0.00	0.00			261.52	0.00	1104.41
Hempstead Lake	6678.03*	Max WS	24.31	24.31	0.00	0.00			261.54	0.00	1101.54
Hempstead Lake	6664.38*	Max WS	24.31	24.31	0.00	0.00			261.54	0.00	1098.80
Hempstead Lake	6650.72*	Max WS	24.31	24.31	0.00	0.00			261.54		1096.30
Hempstead Lake	6637.07*	Max WS	24.31	24.31	0.00	0.00			261.54		1094.02
Hempstead Lake	6623.42*	Max WS	24.31	24.31	0.00	0.00			261.52		1091.78
Hempstead Lake	6609.77*	Max WS	24.31	24.31	0.00	0.00			261.56		1089.66
Hempstead Lake	6596.12*	Max WS	24.31	24.31	0.00	0.00			261.54		1087.63
Hempstead Lake	6582.47*	Max WS	24.31	24.31	0.00	0.00			261.53		1085.61
Hempstead Lake	6568.82*	Max WS	24.31	24.31	0.00	0.00			261.52		1083.66
Hempstead Lake	6555.17*	Max WS	24.31	24.31	0.00	0.00			261.50		1081.67
Hempstead Lake	6541.52*	Max WS	24.31	24.31	0.00	0.00			261.51		1079.75

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	24.31	24.31	0.00	0.00			261.54		1077.84
Hempstead Lake	6514.22*	Max WS	24.31	24.31	0.00	0.00			261.53		1075.91
Hempstead Lake	6500.57*	Max WS	24.31	24.31	0.00	0.00			261.53		1073.97
Hempstead Lake	6486.91*	Max WS	24.31	24.31	0.00	0.00			261.53		1071.97
Hempstead Lake	6473.26*	Max WS	24.31	24.31	0.00	0.00			261.54		1069.93
Hempstead Lake	6459.61*	Max WS	24.31	24.31	0.00	0.00			261.52		1067.86
Hempstead Lake	6445.96*	Max WS	24.31	24.31	0.00	0.00			261.51		1065.70
Hempstead Lake	6432.31*	Max WS	24.31	24.31	0.00	0.00			261.52		1063.47
Hempstead Lake	6418.66*	Max WS	24.31	24.31	0.00	0.00			261.52		1061.07
Hempstead Lake	6405.01*	Max WS	24.31	24.31	0.00	0.00			261.53		1058.52
Hempstead Lake	6391.36*	Max WS	24.31	24.31	0.00	0.00			261.51		1055.74
Hempstead Lake	6377.71*	Max WS	24.31	24.31	0.00	0.00			261.52		1052.72
Hempstead Lake	6364.06*	Max WS	24.31	24.31	0.00	0.00			261.51		1049.31
Hempstead Lake	6350.41*	Max WS	24.31	24.31	0.00	0.00			261.51		1044.97
Hempstead Lake	6336.76*	Max WS	24.31	24.31	0.00	0.00			261.51		1033.47
Hempstead Lake	6323.11*	Max WS	24.31	24.31	0.00	0.00			261.51		1022.27
Hempstead Lake	6309.45*	Max WS	24.31	24.31	0.00	0.00			261.51		1012.18
Hempstead Lake	6295.80*	Max WS	24.31	24.31	0.00	0.00			261.51		1003.40
Hempstead Lake	6282.15*	Max WS	24.31	24.31	0.00	0.00			261.50		994.64
Hempstead Lake	6268.507	Max WS	24.31	24.31	0.00	0.00			261.51		984.99
Hempstead Lake	6259.72*	Max WS	24.31	24.31	0.00	0.00			261.52		1005.10
Hempstead Lake	6250.93*	Max WS	24.31	24.31	0.00	0.00			261.51		1011.47
Hempstead Lake	6242.14*	Max WS	24.31	24.31	0.00	0.00			261.51		1005.31
Hempstead Lake	6233.35*	Max WS	24.31	24.31	0.00	0.00			261.50		1003.50
Hempstead Lake	6224.57*	Max WS	24.31	24.31	0.00	0.00			261.51		1039.53
Hempstead Lake	6215.78*	Max WS	24.31	24.31	0.00	0.00			261.51		1077.24
Hempstead Lake	6206.99*	Max WS	24.31	24.31	0.00	0.00			261.51		1115.99
Hempstead Lake	6198.21*	Max WS	24.31	24.31	0.00	0.00			261.51		1155.32
Hempstead Lake	6189.42*	Max WS	24.31	24.31	0.00	0.00			261.50		1195.13
Hempstead Lake	6180.638	Max WS	24.31	24.31	0.00	0.00			261.50		1235.21
Hempstead Lake	6177.638	Max WS	24.31	24.31	0.00				261.50		1233.53
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	18.51	18.41	0.11	0.77			243.43		138.39
Hempstead Lake	5930.638	Max WS	17.92	17.87	0.05	0.65			261.50		166.22
Hempstead Lake	5880.638	Max WS	17.26	17.15	0.11	0.08			261.41		107.12
Hempstead Lake	5830.638	Max WS	16.95	16.60	0.35	0.03			276.87		10.00
Hempstead Lake	5780.638	Max WS	16.82	16.48	0.34	0.03			264.12		10.00
Hempstead Lake	5730.638	Max WS	16.77	16.44	0.33	0.03			261.13		10.00
Hempstead Lake	5680.638	Max WS	16.74	16.41	0.34	0.03			261.11		10.00
Hempstead Lake	5630.638	Max WS	16.71	16.37	0.34	0.03			261.07		10.00
Hempstead Lake	5580.638	Max WS	16.68	16.34	0.35	0.03			261.07		10.00
Hempstead Lake	5530.638	Max WS	16.65	16.30	0.35	0.03			260.97		10.00
Hempstead Lake	5480.638	Max WS	16.62	16.26	0.35	0.07			260.97		10.00
Hempstead Lake	5430.638	Max WS	16.48	16.36	0.13	0.07			261.07		11.00
Hempstead Lake	5380.638	Max WS	16.36	16.23	0.13	0.07			260.87		11.00
Hempstead Lake	5330.638	Max WS	16.23	16.10	0.13	0.12			260.58		11.00
Hempstead Lake	5307.48*	Max WS	16.11	15.95	0.16	0.16			259.81		10.00
Hempstead Lake	5284.32*	Max WS	15.94	15.74	0.20	0.23			256.71		9.00
Hempstead Lake	5261.17*	Max WS	15.70	15.43	0.27	0.45			254.30		8.00
Hempstead Lake	5238.01*	Max WS	15.12	15.02	0.10	0.22			259.79		163.64
Hempstead Lake	5214.85*	Max WS	14.67	14.65	0.03	0.03			258.35		194.33
Hempstead Lake	5191.70*	Max WS	14.62	14.61	0.01	0.01			258.13		313.78
Hempstead Lake	5168.54*	Max WS	14.61	14.60	0.00	0.00			258.14		333.79
Hempstead Lake	5145.39*	Max WS	14.60	14.60	0.00	0.00			258.11		346.00
Hempstead Lake	5122.23*	Max WS	14.60	14.60	0.00	0.00			258.13		353.09
Hempstead Lake	5099.07*	Max WS	14.60	14.60	0.00	0.00			258.12		360.66
Hempstead Lake	5075.922	Max WS	14.60	14.60	0.00	0.00			258.12		368.45
Hempstead Lake	5055.96*	Max WS	14.60	14.60	0.00	0.00			258.10		383.82
Hempstead Lake	5036.01*	Max WS	14.60	14.60	0.00	0.00			258.11		409.29
Hempstead Lake	5016.05*	Max WS	14.60	14.60	0.00	0.00			258.11		452.47
Hempstead Lake	4996.10*	Max WS	14.60	14.60	0.00	0.00			258.12		582.85
Hempstead Lake	4976.14*	Max WS	14.60	14.60	0.00	0.00			258.12		590.80
Hempstead Lake	4956.192	Max WS	14.60	14.60	0.00	0.00			258.13		593.31
Hempstead Lake	4936.44*	Max WS	14.60	14.60	0.00	0.00			258.12		610.81
Hempstead Lake	4916.69*	Max WS	14.60	14.60	0.00	0.00			258.12		649.39
Hempstead Lake	4896.94*	Max WS	14.60	14.60	0.00	0.00			258.12		690.82
Hempstead Lake	4877.19*	Max WS	14.60	14.60	0.00	0.00			258.11		744.86
Hempstead Lake	4857.44*	Max WS	14.60	14.60	0.00	0.00			258.12		787.72
Hempstead Lake	4837.697	Max WS	14.60	14.60	0.00	0.00			258.12		816.56
Hempstead Lake	4817.64*	Max WS	14.60	14.60	0.00	0.00			274.52		810.92
Hempstead Lake	4797.59*	Max WS	14.60	14.60	0.00	0.00			274.50		807.89
Hempstead Lake	4777.53*	Max WS	14.60	14.60	0.00	0.00			274.50		805.63

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	14.60	14.60	0.00	0.00		0.00	274.47		803.67
Hempstead Lake	4737.42*	Max WS	14.60	14.60	0.00	0.00		0.03	274.49		802.98
Hempstead Lake	4717.37*	Max WS	14.60	14.60	0.00	0.00		0.08	274.40		803.27
Hempstead Lake	4697.32*	Max WS	14.60	14.60	0.00	0.00		0.17	274.30		804.43
Hempstead Lake	4677.26*	Max WS	14.60	14.60	0.00	0.00		0.32	274.19		806.68
Hempstead Lake	4657.21*	Max WS	14.60	14.60	0.00	0.00		0.54	273.96		809.22
Hempstead Lake	4637.16*	Max WS	14.60	14.60	0.00	0.00		0.86	273.64		809.83
Hempstead Lake	4617.10*	Max WS	14.60	14.60	0.00	0.00		1.30	273.17		811.00
Hempstead Lake	4597.05*	Max WS	14.60	14.60	0.00	0.00		1.79	272.69		811.83
Hempstead Lake	4577.*	Max WS	14.60	14.60	0.00	0.00		2.36	272.13		812.41
Hempstead Lake	4556.94*	Max WS	14.60	14.60	0.00	0.00		3.01	271.50		812.76
Hempstead Lake	4536.893	Max WS	14.60	14.60	0.00	0.00		2.47	272.02		812.91
Hempstead Lake	4516.70*	Max WS	14.60	14.60	0.00	0.00		4.60	271.90		812.51
Hempstead Lake	4496.51*	Max WS	14.60	14.60	0.00	0.00		4.80	271.67		813.00
Hempstead Lake	4476.32*	Max WS	14.60	14.60	0.00	0.00		4.88	271.62		814.71
Hempstead Lake	4456.14*	Max WS	14.60	14.60	0.00	0.00		5.09	271.40		820.45
Hempstead Lake	4435.95*	Max WS	14.60	14.60	0.00	0.00		5.30	271.19		826.59
Hempstead Lake	4415.76*	Max WS	14.60	14.60	0.00	0.00		5.36	271.11		832.72
Hempstead Lake	4395.57*	Max WS	14.60	14.60	0.00	0.00		5.55	270.93		834.74
Hempstead Lake	4375.38*	Max WS	14.60	14.60	0.00	0.00		5.57	270.92		835.49
Hempstead Lake	4355.20*	Max WS	14.60	14.60	0.00	0.00		5.71	270.78	0.00	836.30
Hempstead Lake	4335.01*	Max WS	14.60	14.60	0.00	0.00		5.86	270.61	0.01	836.47
Hempstead Lake	4314.82*	Max WS	14.60	14.60	0.00	0.00		5.83	270.62	0.04	836.37
Hempstead Lake	4294.63*	Max WS	14.60	14.60	0.00	0.00		5.99	270.43	0.08	836.23
Hempstead Lake	4274.44*	Max WS	14.60	14.60	0.00	0.00		5.95	270.39	0.15	835.88
Hempstead Lake	4254.26*	Max WS	14.60	14.60	0.00	0.00		6.09	270.17	0.23	835.40
Hempstead Lake	4234.07*	Max WS	14.60	14.60	0.00	0.00		6.23	269.93	0.34	834.83
Hempstead Lake	4213.88*	Max WS	14.60	14.60	0.00	0.00		6.17	269.86	0.46	834.11
Hempstead Lake	4193.69*	Max WS	14.60	14.60	0.00	0.00		6.31	269.58	0.60	833.32
Hempstead Lake	4173.50*	Max WS	14.60	14.60	0.00	0.00		6.25	269.48	0.75	832.38
Hempstead Lake	4153.320	Max WS	14.60	14.60	0.00	0.00		2.59	272.96	0.94	831.44
Hempstead Lake	4131.85*	Max WS	14.60	14.60	0.00	0.00		5.22	272.26	1.00	829.53
Hempstead Lake	4110.38*	Max WS	14.60	14.60	0.00	0.00		4.43	272.98	1.07	827.31
Hempstead Lake	4088.91*	Max WS	14.60	14.60	0.00	0.00		3.79	273.54	1.16	824.64
Hempstead Lake	4067.44*	Max WS	14.60	14.60	0.00	0.00		3.06	274.18	1.24	821.44
Hempstead Lake	4045.97*	Max WS	14.60	14.60	0.00	0.00		2.41	274.73	1.34	817.53
Hempstead Lake	4024.50*	Max WS	14.60	14.60	0.00	0.00		1.94	275.10	1.44	812.36
Hempstead Lake	4003.034	Max WS	14.60	14.60	0.00	0.00		0.60	276.33	1.56	806.46
Hempstead Lake	4002		Lat Struct								
Hempstead Lake	3984.01*	Max WS	14.60	14.60	0.00	0.00		0.85	269.06	1.08	789.85
Hempstead Lake	3964.99*	Max WS	14.60	14.60	0.00	0.00		0.60	269.72	0.68	772.79
Hempstead Lake	3945.97*	Max WS	14.60	14.60	0.00	0.00		0.33	270.32	0.33	755.23
Hempstead Lake	3926.95*	Max WS	14.60	14.60	0.00	0.00		0.12	270.78	0.08	736.81
Hempstead Lake	3907.93*	Max WS	14.60	14.60	0.00	0.00		0.00	270.98	0.00	713.62
Hempstead Lake	3888.916	Max WS	14.60	14.60	0.00	0.00			272.99		688.91
Hempstead Lake	3883.916	Max WS	14.60	14.60	0.00				272.99		686.95
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	11.36	11.29	0.07	0.00			217.02		199.53
Hempstead Lake	3858.916	Max WS	11.34	11.33	0.01	0.00			272.97		202.20
Hempstead Lake	3826.579	Max WS	11.34	11.30	0.05	0.00			217.05		73.06
Hempstead Lake	3821.579	Max WS	11.36	11.16	0.20				216.84		35.57
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	10.90	10.78	0.12	0.00			216.20		26.30
Hempstead Lake	3736.579	Max WS	10.90	10.83	0.08	0.02			216.29		30.45
Hempstead Lake	3699.46*	Max WS	10.88	10.82	0.07	0.02			216.26		37.83
Hempstead Lake	3662.35*	Max WS	10.86	10.81	0.06	0.03			216.26		45.69
Hempstead Lake	3625.24*	Max WS	10.83	10.79	0.05	0.03			216.23		107.43
Hempstead Lake	3588.13*	Max WS	10.80	10.78	0.02	0.01			216.23		186.42
Hempstead Lake	3551.028	Max WS	10.79	10.78	0.01	0.00			216.23		249.92
Hempstead Lake	3531.67*	Max WS	10.78	10.78	0.01	0.00			216.23		227.57
Hempstead Lake	3512.33*	Max WS	10.78	10.77	0.01	0.00			216.23		211.26
Hempstead Lake	3492.98*	Max WS	10.77	10.77	0.01	0.00			216.23		198.80
Hempstead Lake	3473.63*	Max WS	10.77	10.76	0.01	0.00			216.23		189.55
Hempstead Lake	3454.28*	Max WS	10.77	10.76	0.01	0.00			216.23		181.94
Hempstead Lake	3434.93*	Max WS	10.76	10.75	0.01	0.00			216.23		175.41
Hempstead Lake	3415.58*	Max WS	10.76	10.75	0.01	0.00			216.22		169.51
Hempstead Lake	3396.239	Max WS	10.76	10.75	0.01	0.00			216.22		164.76
Hempstead Lake	3376.88*	Max WS	10.76	10.75	0.01	0.00			216.22		165.49
Hempstead Lake	3357.52*	Max WS	10.75	10.74	0.01	0.00			216.22		166.59
Hempstead Lake	3338.16*	Max WS	10.75	10.74	0.01	0.00			216.22		167.28
Hempstead Lake	3318.80*	Max WS	10.75	10.74	0.01	0.00			216.22		168.16
Hempstead Lake	3299.44*	Max WS	10.75	10.74	0.01	0.00			216.22		168.78

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

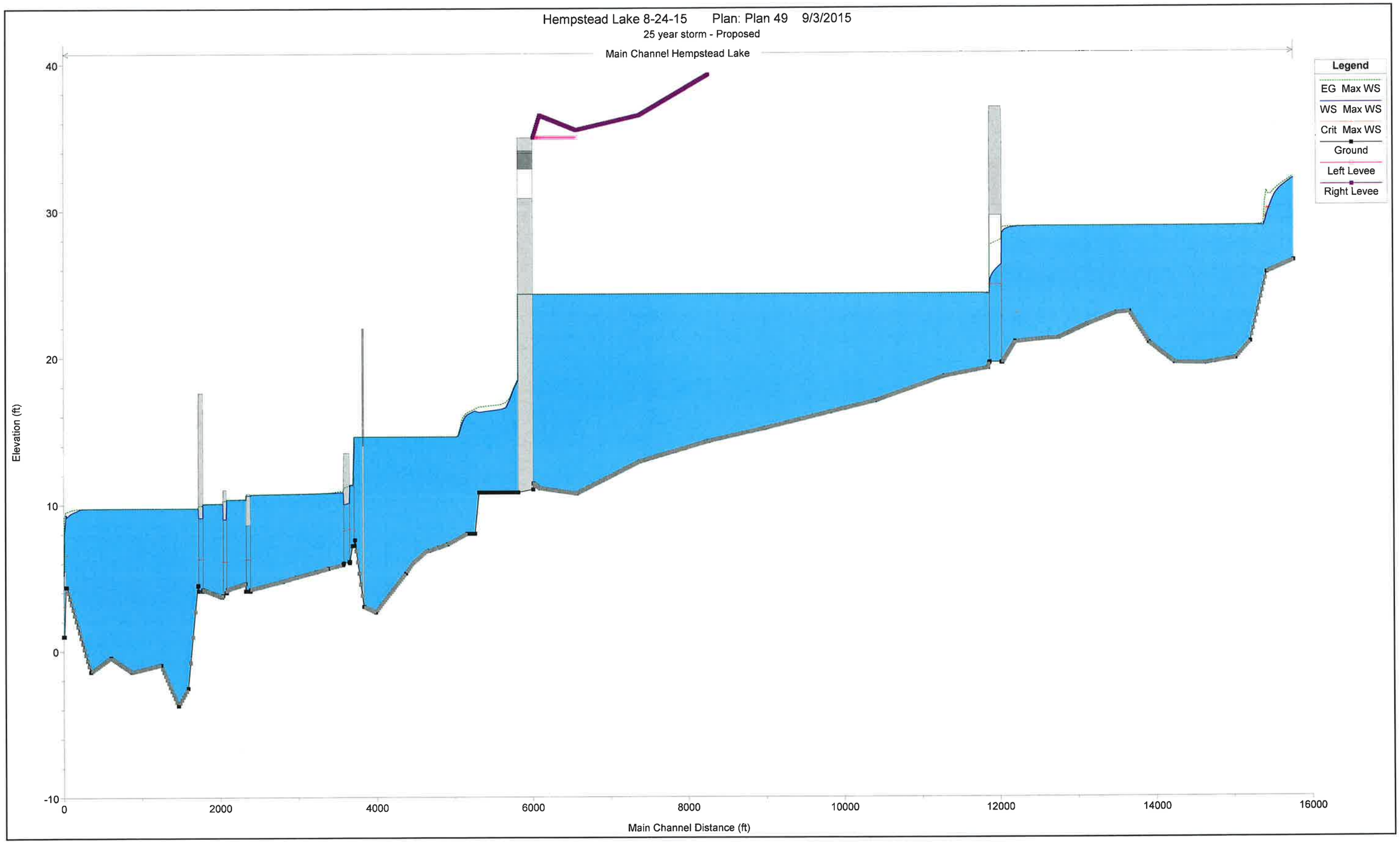
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3280.08*	Max WS	10.74	10.74	0.01	0.00			216.22		169.70
Hempstead Lake	3260.73*	Max WS	10.74	10.73	0.01	0.00			216.21		170.24
Hempstead Lake	3241.37*	Max WS	10.74	10.73	0.01	0.00			216.21		170.74
Hempstead Lake	3222.01*	Max WS	10.74	10.73	0.01	0.00			216.21		171.54
Hempstead Lake	3202.65*	Max WS	10.73	10.73	0.01	0.00			216.21		171.95
Hempstead Lake	3183.29*	Max WS	10.73	10.72	0.01	0.00			216.21		172.42
Hempstead Lake	3163.93*	Max WS	10.73	10.72	0.01	0.00			216.20		172.75
Hempstead Lake	3144.581	Max WS	10.73	10.72	0.01	0.00			216.20		173.22
Hempstead Lake	3124.73*	Max WS	10.72	10.72	0.01	0.00			216.20		174.28
Hempstead Lake	3104.89*	Max WS	10.72	10.72	0.01	0.00			216.20		175.47
Hempstead Lake	3085.04*	Max WS	10.72	10.71	0.01	0.00			216.20		176.74
Hempstead Lake	3065.2*	Max WS	10.72	10.71	0.01	0.00			216.20		177.64
Hempstead Lake	3045.35*	Max WS	10.72	10.71	0.01	0.00			216.20		179.04
Hempstead Lake	3025.51*	Max WS	10.72	10.71	0.01	0.00			216.17		180.23
Hempstead Lake	3005.66*	Max WS	10.72	10.71	0.01	0.00			216.17		181.46
Hempstead Lake	2985.81*	Max WS	10.71	10.71	0.01	0.00			216.16		182.34
Hempstead Lake	2965.974	Max WS	10.71	10.71	0.01	0.00			216.16		183.51
Hempstead Lake	2951.87*	Max WS	10.71	10.71	0.01	0.00			216.16		186.11
Hempstead Lake	2937.77*	Max WS	10.71	10.70	0.01	0.00			216.16		188.88
Hempstead Lake	2923.67*	Max WS	10.71	10.70	0.01	0.00			216.16		191.47
Hempstead Lake	2909.57*	Max WS	10.71	10.70	0.01	0.00			216.16		194.32
Hempstead Lake	2895.47*	Max WS	10.71	10.70	0.01	0.00			216.16		196.95
Hempstead Lake	2881.37*	Max WS	10.71	10.70	0.01	0.00			216.16		199.90
Hempstead Lake	2867.27*	Max WS	10.70	10.70	0.01	0.00			216.16		202.64
Hempstead Lake	2853.17*	Max WS	10.70	10.70	0.01	0.00			216.11		205.69
Hempstead Lake	2839.07*	Max WS	10.70	10.70	0.01	0.00			216.11		208.49
Hempstead Lake	2824.98*	Max WS	10.70	10.70	0.01	0.00			216.10		211.65
Hempstead Lake	2810.88*	Max WS	10.70	10.69	0.01	0.00			216.10		214.58
Hempstead Lake	2796.78*	Max WS	10.70	10.69	0.01	0.00			216.10		217.83
Hempstead Lake	2782.68*	Max WS	10.70	10.69	0.01	0.00			216.10		220.86
Hempstead Lake	2768.58*	Max WS	10.70	10.69	0.01	0.00			216.10		224.27
Hempstead Lake	2754.48*	Max WS	10.69	10.69	0.01	0.00			216.10		227.41
Hempstead Lake	2740.38*	Max WS	10.69	10.69	0.01	0.00			216.10		230.97
Hempstead Lake	2726.28*	Max WS	10.69	10.69	0.01	0.00			216.03		234.28
Hempstead Lake	2712.18*	Max WS	10.69	10.69	0.01	0.00			216.03		238.30
Hempstead Lake	2698.08*	Max WS	10.69	10.68	0.01	0.00			216.03		241.74
Hempstead Lake	2683.98*	Max WS	10.69	10.68	0.01	0.00			216.03		245.34
Hempstead Lake	2669.88*	Max WS	10.69	10.68	0.01	0.00			216.03		249.71
Hempstead Lake	2655.78*	Max WS	10.69	10.68	0.01	0.00			215.95		253.16
Hempstead Lake	2641.68*	Max WS	10.69	10.68	0.01	0.00			216.03		257.44
Hempstead Lake	2627.58*	Max WS	10.68	10.68	0.01	0.00			216.03		261.55
Hempstead Lake	2613.48*	Max WS	10.68	10.68	0.01	0.00			215.94		266.30
Hempstead Lake	2599.38*	Max WS	10.68	10.68	0.01	0.00			215.94		270.86
Hempstead Lake	2585.29*	Max WS	10.68	10.68	0.01	0.00			215.94		275.66
Hempstead Lake	2571.19*	Max WS	10.68	10.68	0.01	0.00			215.94		279.97
Hempstead Lake	2557.091	Max WS	10.68	10.67	0.01	0.00			215.84		282.61
Hempstead Lake	2552.091	Max WS	10.70	10.60	0.10				215.10		66.46
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	10.40	10.31	0.09	0.00			211.96		43.58
Hempstead Lake	2487.091	Max WS	10.36	10.36	0.00	0.00			212.53		328.29
Hempstead Lake	2477.12*	Max WS	10.36	10.36	0.00	0.00			212.52		323.92
Hempstead Lake	2467.14*	Max WS	10.36	10.35	0.00	0.00			212.52		319.42
Hempstead Lake	2457.17*	Max WS	10.36	10.35	0.00	0.00			212.52		315.14
Hempstead Lake	2447.20*	Max WS	10.36	10.35	0.00	0.00			212.52		310.71
Hempstead Lake	2437.23*	Max WS	10.36	10.35	0.00	0.00			212.52		306.60
Hempstead Lake	2427.26*	Max WS	10.35	10.35	0.00	0.00			212.52		302.22
Hempstead Lake	2417.29*	Max WS	10.35	10.35	0.00	0.00			212.42		298.09
Hempstead Lake	2407.32*	Max WS	10.35	10.35	0.00	0.00			212.42		294.12
Hempstead Lake	2397.35*	Max WS	10.35	10.34	0.00	0.00			212.42		289.64
Hempstead Lake	2387.37*	Max WS	10.35	10.34	0.00	0.00			212.31		285.63
Hempstead Lake	2377.40*	Max WS	10.35	10.34	0.00	0.00			212.30		281.80
Hempstead Lake	2367.43*	Max WS	10.34	10.34	0.01	0.00			212.30		278.19
Hempstead Lake	2357.46*	Max WS	10.34	10.34	0.01	0.00			212.30		258.98
Hempstead Lake	2347.49*	Max WS	10.34	10.34	0.01	0.00			212.30		253.00
Hempstead Lake	2337.52*	Max WS	10.34	10.34	0.01	0.00			212.19		248.34
Hempstead Lake	2327.55*	Max WS	10.34	10.33	0.01	0.00			212.19		244.08
Hempstead Lake	2317.58*	Max WS	10.34	10.33	0.01	0.00			212.19		242.06
Hempstead Lake	2307.60*	Max WS	10.34	10.33	0.01	0.00			212.18		240.74
Hempstead Lake	2297.63*	Max WS	10.34	10.33	0.01	0.00			212.06		257.35
Hempstead Lake	2287.66*	Max WS	10.34	10.33	0.01	0.00			212.06		283.69
Hempstead Lake	2277.69*	Max WS	10.33	10.33	0.00	0.00			212.06		307.77
Hempstead Lake	2267.72*	Max WS	10.33	10.33	0.00	0.00			212.06		332.32

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2257.752	Max WS	10.33	10.33	0.00	0.00			212.06		356.96
Hempstead Lake	2252.75*	Max WS	10.33	10.32	0.01	0.00			211.92		347.05
Hempstead Lake	2247.752	Max WS	10.34	10.29	0.04				211.25		326.18
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	10.07	10.05	0.01	0.00			204.47		61.73
Hempstead Lake	2192.75*	Max WS	10.07	10.06	0.01	0.00			204.61		107.93
Hempstead Lake	2187.752	Max WS	10.07	10.06	0.00	0.00		16.15	188.61		234.09
Hempstead Lake	2178.63*	Max WS	10.07	10.06	0.01	0.00		10.74	193.87		224.90
Hempstead Lake	2169.52*	Max WS	10.06	10.06	0.01	0.00		6.12	198.49		215.51
Hempstead Lake	2160.40*	Max WS	10.06	10.06	0.01	0.00		2.55	202.06		205.97
Hempstead Lake	2151.29*	Max WS	10.06	10.06	0.01	0.00		0.45	204.16		176.17
Hempstead Lake	2142.17*	Max WS	10.06	10.06	0.01	0.00			204.61		93.48
Hempstead Lake	2133.05*	Max WS	10.06	10.06	0.01	0.00			204.61		91.52
Hempstead Lake	2123.94*	Max WS	10.06	10.06	0.01	0.00			204.45		89.68
Hempstead Lake	2114.82*	Max WS	10.06	10.05	0.01	0.00			204.45		88.00
Hempstead Lake	2105.71*	Max WS	10.06	10.05	0.01	0.00			204.45		86.51
Hempstead Lake	2096.59*	Max WS	10.06	10.05	0.01	0.00			204.45		85.07
Hempstead Lake	2087.48*	Max WS	10.06	10.05	0.01	0.00			204.45		83.74
Hempstead Lake	2078.36*	Max WS	10.06	10.05	0.01	0.00			204.45		81.98
Hempstead Lake	2069.25*	Max WS	10.06	10.05	0.01	0.00			204.45		79.78
Hempstead Lake	2060.13*	Max WS	10.06	10.05	0.01	0.00			204.29		77.67
Hempstead Lake	2051.01*	Max WS	10.06	10.05	0.01	0.00			204.29		75.71
Hempstead Lake	2041.90*	Max WS	10.06	10.05	0.01	0.00			204.29		73.79
Hempstead Lake	2032.78*	Max WS	10.06	10.05	0.01	0.00			204.29		72.05
Hempstead Lake	2023.67*	Max WS	10.06	10.04	0.01	0.00			204.13		70.37
Hempstead Lake	2014.55*	Max WS	10.06	10.04	0.01	0.00			204.13		68.80
Hempstead Lake	2005.44*	Max WS	10.06	10.04	0.01	0.00			204.13		67.23
Hempstead Lake	1996.32*	Max WS	10.05	10.04	0.01	0.00			204.13		65.79
Hempstead Lake	1987.20*	Max WS	10.05	10.04	0.01	0.00			203.97		64.40
Hempstead Lake	1978.09*	Max WS	10.05	10.04	0.01	0.00			203.97		63.10
Hempstead Lake	1968.97*	Max WS	10.05	10.04	0.02	0.00			203.97		61.77
Hempstead Lake	1959.86*	Max WS	10.05	10.04	0.02	0.00			203.80		60.57
Hempstead Lake	1950.747	Max WS	10.05	10.03	0.02	0.00			203.80		59.37
Hempstead Lake	1945.747	Max WS	10.06	9.98	0.08				201.98		17.61
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	9.80	9.69	0.10	0.00			188.95		14.00
Hempstead Lake	1880.747	Max WS	9.75	9.75	0.00	0.00			191.63		129.38
Hempstead Lake	1848.83*	Max WS	9.75	9.75	0.00	0.00			191.82		389.61
Hempstead Lake	1816.92*	Max WS	9.75	9.75	0.00	0.00			191.82		627.64
Hempstead Lake	1785.01*	Max WS	9.75	9.75	0.00	0.00		0.00	191.81	0.00	820.10
Hempstead Lake	1753.104	Max WS	9.75	9.75	0.00	0.00		0.10	191.70	0.01	1004.25
Hempstead Lake	1732.65*	Max WS	9.75	9.75	0.00	0.00		0.32	191.44	0.06	1010.41
Hempstead Lake	1712.21*	Max WS	9.75	9.75	0.00	0.00		0.38	191.29	0.15	1020.27
Hempstead Lake	1691.76*	Max WS	9.75	9.75	0.00	0.00		0.44	191.04	0.33	1035.37
Hempstead Lake	1671.32*	Max WS	9.75	9.75	0.00	0.00		0.52	190.62	0.66	1054.00
Hempstead Lake	1650.87*	Max WS	9.75	9.75	0.00	0.00		0.60	189.65	1.21	1080.12
Hempstead Lake	1630.434	Max WS	9.75	9.75	0.00	0.00		0.34	189.27	2.19	1176.74
Hempstead Lake	1610.36*	Max WS	9.75	9.75	0.00	0.00		0.47	189.43	1.90	1102.00
Hempstead Lake	1590.30*	Max WS	9.75	9.75	0.00	0.00		0.22	190.02	1.56	1060.76
Hempstead Lake	1570.23*	Max WS	9.75	9.75	0.00	0.00		0.08	190.46	1.26	1036.70
Hempstead Lake	1550.17*	Max WS	9.75	9.75	0.00	0.00		0.01	190.79	0.99	1012.24
Hempstead Lake	1530.10*	Max WS	9.75	9.75	0.00	0.00		0.00	191.04	0.75	986.69
Hempstead Lake	1510.03*	Max WS	9.75	9.75	0.00	0.00			191.26	0.53	960.50
Hempstead Lake	1489.97*	Max WS	9.75	9.75	0.00	0.00			191.43	0.36	933.40
Hempstead Lake	1469.90*	Max WS	9.75	9.75	0.00	0.00			191.57	0.22	905.05
Hempstead Lake	1449.83*	Max WS	9.75	9.75	0.00	0.00			191.67	0.12	874.99
Hempstead Lake	1429.77*	Max WS	9.75	9.75	0.00	0.00			191.74	0.05	844.10
Hempstead Lake	1409.707	Max WS	9.75	9.75	0.00	0.00			191.21	0.03	808.29
Hempstead Lake	1389.03*	Max WS	9.75	9.74	0.00	0.00			1938.15	0.28	812.35
Hempstead Lake	1368.35*	Max WS	9.75	9.74	0.00	0.00			1937.92	0.49	815.42
Hempstead Lake	1347.67*	Max WS	9.75	9.74	0.00	0.00			1937.61	0.80	816.84
Hempstead Lake	1326.99*	Max WS	9.75	9.74	0.00	0.00			1937.23	1.18	817.17
Hempstead Lake	1306.32*	Max WS	9.75	9.74	0.00	0.00			1936.71	1.69	817.35
Hempstead Lake	1285.64*	Max WS	9.75	9.74	0.00	0.00			1936.19	2.21	817.17
Hempstead Lake	1264.96*	Max WS	9.75	9.74	0.00	0.00			1935.60	2.79	816.99
Hempstead Lake	1244.28*	Max WS	9.75	9.74	0.00	0.00			1934.96	3.43	816.48
Hempstead Lake	1223.61*	Max WS	9.75	9.74	0.00	0.00			1934.25	4.13	816.11
Hempstead Lake	1202.93*	Max WS	9.75	9.74	0.00	0.00			1933.49	4.89	815.48
Hempstead Lake	1182.25*	Max WS	9.75	9.74	0.00	0.00			1932.67	5.71	815.03
Hempstead Lake	1161.57*	Max WS	9.75	9.74	0.00	0.00			1931.76	6.61	814.81
Hempstead Lake	1140.90*	Max WS	9.75	9.74	0.00	0.00			1930.81	7.56	814.46
Hempstead Lake	1120.22*	Max WS	9.74	9.74	0.00	0.00			1929.48	8.88	814.38

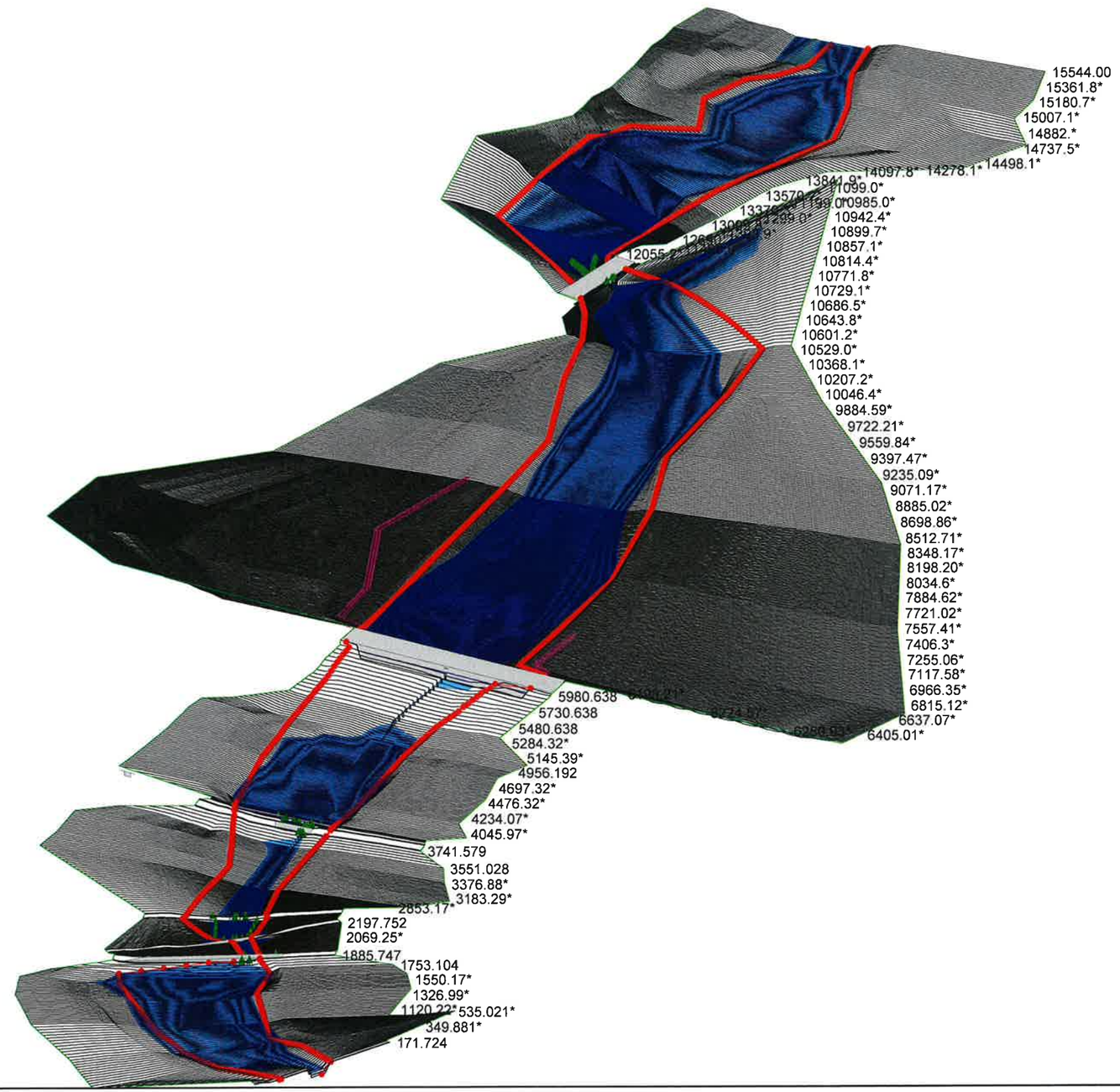
HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1099.54*	Max WS	9.74	9.74	0.00	0.00			1928.37	9.98	814.11
Hempstead Lake	1078.87*	Max WS	9.74	9.74	0.00	0.00			1927.19	11.16	814.19
Hempstead Lake	1058.19*	Max WS	9.74	9.74	0.00	0.00			1925.97	12.38	814.31
Hempstead Lake	1037.515	Max WS	9.74	9.74	0.00	0.00			1908.29	30.06	814.68
Hempstead Lake	1017.08*	Max WS	9.74	9.74	0.00	0.00		0.02	1930.73	14.74	809.55
Hempstead Lake	996.645*	Max WS	9.74	9.74	0.00	0.00		0.12	1927.28	18.08	804.52
Hempstead Lake	976.210*	Max WS	9.74	9.74	0.00	0.00		0.39	1923.87	21.22	798.91
Hempstead Lake	955.775*	Max WS	9.74	9.74	0.00	0.00		0.94	1919.35	25.18	793.24
Hempstead Lake	935.340*	Max WS	9.74	9.74	0.00	0.00		1.80	1914.62	29.05	787.45
Hempstead Lake	914.905*	Max WS	9.74	9.74	0.00	0.00		3.13	1908.55	33.78	781.42
Hempstead Lake	894.471*	Max WS	9.74	9.74	0.00	0.00		5.12	1902.15	38.20	775.36
Hempstead Lake	874.036*	Max WS	9.74	9.74	0.00	0.00		7.73	1894.14	43.60	769.06
Hempstead Lake	853.601*	Max WS	9.74	9.74	0.00	0.00		10.96	1885.75	48.74	762.69
Hempstead Lake	833.166*	Max WS	9.74	9.74	0.00	0.00		15.33	1875.19	54.93	756.38
Hempstead Lake	812.731*	Max WS	9.74	9.74	0.00	0.00		21.04	1863.81	60.60	749.84
Hempstead Lake	792.296*	Max WS	9.74	9.74	0.00	0.00		27.80	1850.14	67.50	743.36
Hempstead Lake	771.862	Max WS	9.74	9.74	0.00	0.00		14.33	1863.12	67.99	736.68
Hempstead Lake	750.331*	Max WS	9.74	9.74	0.00	0.00		19.05	1871.53	57.31	721.41
Hempstead Lake	728.8*	Max WS	9.74	9.74	0.00	0.00		7.98	1895.14	44.77	701.67
Hempstead Lake	707.269*	Max WS	9.74	9.74	0.00	0.00		2.23	1911.95	33.71	676.25
Hempstead Lake	685.738*	Max WS	9.74	9.74	0.00	0.00		0.20	1922.60	25.09	650.82
Hempstead Lake	664.207*	Max WS	9.74	9.74	0.00	0.00			1929.98	17.89	633.01
Hempstead Lake	642.676*	Max WS	9.74	9.74	0.00	0.00			1935.52	12.35	615.95
Hempstead Lake	621.145*	Max WS	9.74	9.74	0.00	0.00			1940.08	7.79	600.57
Hempstead Lake	599.614*	Max WS	9.74	9.74	0.00	0.00			1943.57	4.29	585.92
Hempstead Lake	578.083*	Max WS	9.74	9.74	0.00	0.00			1945.51	2.35	567.72
Hempstead Lake	556.552*	Max WS	9.74	9.74	0.00	0.00			1946.68	1.18	547.34
Hempstead Lake	535.021*	Max WS	9.74	9.74	0.00	0.00			1947.38	0.47	532.15
Hempstead Lake	513.490	Max WS	9.74	9.74	0.00	0.00			1947.52	0.33	519.46
Hempstead Lake	493.038*	Max WS	9.74	9.73	0.00	0.00			1955.42	0.02	502.54
Hempstead Lake	472.587*	Max WS	9.74	9.73	0.01	0.00			1955.43		485.47
Hempstead Lake	452.136*	Max WS	9.74	9.73	0.01	0.00			1955.43		471.69
Hempstead Lake	431.685*	Max WS	9.74	9.73	0.01	0.00			1955.43		458.49
Hempstead Lake	411.234*	Max WS	9.74	9.72	0.01	0.00			1955.42		444.97
Hempstead Lake	390.783*	Max WS	9.73	9.71	0.02	0.00			1955.42		430.77
Hempstead Lake	370.332*	Max WS	9.73	9.69	0.04	0.01			1955.42		415.60
Hempstead Lake	349.881*	Max WS	9.72	9.64	0.08	0.01			1955.41		380.67
Hempstead Lake	329.430*	Max WS	9.71	9.57	0.14	0.02			1955.41		138.62
Hempstead Lake	308.979*	Max WS	9.69	9.53	0.16	0.02			1955.41		127.65
Hempstead Lake	288.528*	Max WS	9.67	9.49	0.19	0.03			1955.41		120.97
Hempstead Lake	268.077*	Max WS	9.65	9.43	0.22	0.03			1955.41		115.20
Hempstead Lake	247.626*	Max WS	9.61	9.36	0.26	0.04			1955.41		110.08
Hempstead Lake	227.175*	Max WS	9.57	9.27	0.30	0.04			1955.40		105.57
Hempstead Lake	206.724	Max WS	9.53	9.16	0.37	0.01			1955.40		101.73
Hempstead Lake	201.724	Max WS	9.52	9.32	0.20				1955.40		113.05
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	5.45	5.22	0.23	0.00		569.44	1385.96		126.02
Hempstead Lake	166.724	Max WS	5.44	5.21	0.24			569.41	1386.00		126.00


Hempstead Lake 8-24-15 Plan: Plan 49 9/3/2015
25 year storm - Proposed
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 49 9/3/2015

25 year storm - Proposed



Proposed 100 Year 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	4148.83	26.48	32.69		32.84	0.000740	3.29	1418.41	473.96	0.30
Hempstead Lake	15523.7*	Max WS	4143.90	26.43	32.64		32.79	0.004270	3.29	1414.97	476.01	0.30
Hempstead Lake	15503.5*	Max WS	4143.86	26.38	32.55		32.70	0.004238	3.36	1389.17	475.56	0.30
Hempstead Lake	15483.3*	Max WS	4143.78	26.34	32.46		32.62	0.004117	3.43	1359.78	475.14	0.31
Hempstead Lake	15463.0*	Max WS	4143.64	26.29	32.38		32.54	0.004022	3.50	1327.05	474.82	0.32
Hempstead Lake	15442.8*	Max WS	4143.46	26.24	32.29		32.47	0.004072	3.59	1291.38	473.86	0.33
Hempstead Lake	15422.5*	Max WS	4143.24	26.19	32.20		32.39	0.004034	3.70	1251.32	472.88	0.35
Hempstead Lake	15402.3*	Max WS	4142.98	26.15	32.11		32.31	0.004043	3.82	1205.68	470.66	0.36
Hempstead Lake	15382.1*	Max WS	4142.67	26.10	32.01		32.23	0.004252	3.97	1154.93	467.33	0.39
Hempstead Lake	15361.8*	Max WS	4140.07	26.05	31.91		32.15	0.004398	4.15	1096.35	461.45	0.41
Hempstead Lake	15341.6*	Max WS	4140.04	26.00	31.79		32.06	0.004877	4.38	1028.25	452.67	0.45
Hempstead Lake	15321.4*	Max WS	4139.96	25.96	31.64		31.97	0.005438	4.71	947.58	438.97	0.50
Hempstead Lake	15301.1*	Max WS	4139.80	25.91	31.45		31.85	0.006676	5.22	843.37	415.83	0.58
Hempstead Lake	15280.9*	Max WS	1634.13	25.86	31.24		31.32	0.001409	2.32	740.13	384.12	0.27
Hempstead Lake	15260.7*	Max WS	1563.57	25.81	31.21		31.29	0.001097	2.33	710.46	348.70	0.26
Hempstead Lake	15240.4*	Max WS	1536.00	25.77	31.18		31.26	0.000810	2.37	690.70	311.01	0.25
Hempstead Lake	15220.2*	Max WS	1535.94	25.72	31.16		31.25	0.000746	2.42	676.01	305.36	0.26
Hempstead Lake	15200.02	Max WS	1535.83	25.67	31.14		31.24	0.000642	2.47	662.18	301.60	0.26
Hempstead Lake	15180.7*	Max WS	1535.73	25.24	31.17		31.23	0.000454	1.97	820.91	332.53	0.20
Hempstead Lake	15161.4*	Max WS	1535.69	24.82	31.18		31.21	0.000366	1.59	1006.24	392.39	0.16
Hempstead Lake	15142.1*	Max WS	1545.09	24.39	31.18		31.21	0.000266	1.32	1215.93	423.98	0.12
Hempstead Lake	15122.8*	Max WS	1554.01	23.96	31.18		31.20	0.000196	1.11	1442.50	449.90	0.10
Hempstead Lake	15103.5*	Max WS	1553.95	23.53	31.19		31.20	0.000147	0.95	1684.90	472.78	0.08
Hempstead Lake	15084.2*	Max WS	1553.89	23.11	31.19		31.20	0.000117	0.82	1943.85	494.69	0.07
Hempstead Lake	15064.9*	Max WS	1553.82	22.68	31.19		31.20	0.000092	0.71	2217.69	515.51	0.06
Hempstead Lake	15045.6*	Max WS	1553.76	22.25	31.19		31.19	0.000073	0.63	2507.34	535.50	0.05
Hempstead Lake	15026.4*	Max WS	1553.69	21.82	31.19		31.19	0.000059	0.56	2812.67	554.95	0.04
Hempstead Lake	15007.1*	Max WS	1553.63	21.40	31.19		31.19	0.000049	0.50	3132.89	573.01	0.04
Hempstead Lake	14987.82	Max WS	1553.56	20.97	31.19		31.19	0.000007	0.45	3470.11	588.22	0.03
Hempstead Lake	14966.6*	Max WS	1566.50	20.84	31.19		31.19	0.000035	0.43	3674.10	575.18	0.03
Hempstead Lake	14945.4*	Max WS	1566.43	20.72	31.19		31.19	0.000030	0.40	3900.78	558.35	0.03
Hempstead Lake	14924.3*	Max WS	1566.37	20.59	31.19		31.19	0.000025	0.38	4149.77	565.78	0.02
Hempstead Lake	14903.1*	Max WS	1566.30	20.46	31.19		31.19	0.000022	0.36	4409.52	583.17	0.02
Hempstead Lake	14882.*	Max WS	1566.23	20.34	31.19		31.19	0.000018	0.33	4680.07	601.14	0.02
Hempstead Lake	14860.8*	Max WS	1566.16	20.21	31.19		31.19	0.000016	0.32	4961.04	619.53	0.02
Hempstead Lake	14839.6*	Max WS	1566.10	20.08	31.19		31.19	0.000014	0.30	5250.84	638.21	0.02
Hempstead Lake	14818.5*	Max WS	1566.03	19.96	31.19		31.19	0.000012	0.28	5551.17	657.17	0.02
Hempstead Lake	14797.35	Max WS	1565.96	19.83	31.19		31.19	0.000002	0.27	5860.51	676.35	0.02
Hempstead Lake	14777.4*	Max WS	1565.89	19.81	31.19		31.19	0.000009	0.26	6008.24	690.03	0.02
Hempstead Lake	14757.4*	Max WS	1565.82	19.80	31.19		31.19	0.000008	0.25	6157.46	703.80	0.02
Hempstead Lake	14737.5*	Max WS	1565.76	19.78	31.19		31.19	0.000007	0.25	6307.38	717.70	0.01
Hempstead Lake	14717.5*	Max WS	1565.69	19.76	31.19		31.19	0.000006	0.24	6459.81	731.59	0.01
Hempstead Lake	14697.6*	Max WS	1565.62	19.74	31.19		31.19	0.000006	0.24	6613.41	745.73	0.01
Hempstead Lake	14677.6*	Max WS	1565.55	19.73	31.19		31.19	0.000005	0.23	6768.52	760.02	0.01
Hempstead Lake	14657.7*	Max WS	1565.49	19.71	31.19		31.19	0.000004	0.23	6925.08	774.36	0.01
Hempstead Lake	14637.7*	Max WS	1565.42	19.69	31.19		31.19	0.000004	0.22	7083.56	788.55	0.01
Hempstead Lake	14617.8*	Max WS	1565.35	19.67	31.19		31.19	0.000003	0.22	7243.35	802.74	0.01
Hempstead Lake	14597.8*	Max WS	1565.28	19.65	31.19		31.19	0.000003	0.21	7405.17	817.08	0.01
Hempstead Lake	14577.9*	Max WS	1565.21	19.64	31.19		31.19	0.000003	0.21	7566.87	831.47	0.01
Hempstead Lake	14557.9*	Max WS	1565.14	19.62	31.19		31.19	0.000002	0.20	7732.43	846.01	0.01
Hempstead Lake	14538.0*	Max WS	1565.07	19.60	31.19		31.19	0.000002	0.20	7897.96	860.54	0.01
Hempstead Lake	14518.0*	Max WS	1565.00	19.58	31.19		31.19	0.000002	0.19	8067.18	875.31	0.01
Hempstead Lake	14498.1*	Max WS	1564.94	19.57	31.19		31.19	0.000001	0.19	8235.43	890.25	0.01
Hempstead Lake	14478.1*	Max WS	1564.87	19.55	31.19		31.19	0.000001	0.19	8407.92	905.39	0.01
Hempstead Lake	14458.2*	Max WS	1564.80	19.53	31.19		31.19	0.000001	0.18	8581.60	921.12	0.01
Hempstead Lake	14438.2*	Max WS	1564.73	19.51	31.19		31.19	0.000001	0.18	8757.90	937.42	0.01
Hempstead Lake	14418.3*	Max WS	1564.66	19.50	31.19		31.19	0.000001	0.18	8934.68	953.66	0.01
Hempstead Lake	14398.37	Max WS	1564.59	19.48	31.19		31.19	0.000001	0.17	9116.21	969.72	0.01
Hempstead Lake	14378.3*	Max WS	1564.53	19.48	31.19		31.19	0.000001	0.18	8933.48	955.12	0.01
Hempstead Lake	14358.3*	Max WS	1564.46	19.49	31.19		31.19	0.000001	0.18	8751.30	940.43	0.01
Hempstead Lake	14338.2*	Max WS	1564.40	19.49	31.19		31.19	0.000001	0.18	8575.10	926.02	0.01
Hempstead Lake	14318.2*	Max WS	1564.34	19.49	31.19		31.19	0.000001	0.19	8399.53	911.69	0.01
Hempstead Lake	14298.2*	Max WS	1564.28	19.49	31.19		31.19	0.000001	0.19	8226.38	897.44	0.01
Hempstead Lake	14278.1*	Max WS	1564.22	19.50	31.19		31.19	0.000001	0.19	8055.91	883.39	0.01
Hempstead Lake	14258.1*	Max WS	1564.17	19.50	31.19		31.19	0.000001	0.20	7888.33	869.37	0.01
Hempstead Lake	14238.1*	Max WS	1564.11	19.50	31.19		31.19	0.000001	0.20	7723.28	855.58	0.01
Hempstead Lake	14218.0*	Max WS	1564.06	19.50	31.19		31.19	0.000001	0.21	7559.95	841.71	0.01
Hempstead Lake	14198.0*	Max WS	1564.01	19.51	31.19		31.19	0.000001	0.21	7399.80	827.77	0.01
Hempstead Lake	14178.0*	Max WS	1563.97	19.51	31.19		31.19	0.000001	0.22	7242.15	813.86	0.01
Hempstead Lake	14157.9*	Max WS	1563.92	19.51	31.19		31.19	0.000001	0.22	7087.09	800.07	0.01
Hempstead Lake	14137.9*	Max WS	1563.88	19.51	31.19		31.19	0.000001	0.23	6934.90	786.36	0.01
Hempstead Lake	14117.9*	Max WS	1563.84	19.52	31.19		31.19	0.000001	0.23	6785.05	772.24	0.01
Hempstead Lake	14097.8*	Max WS	1563.80	19.52	31.19		31.19	0.000001	0.24	6637.92	760.74	0.01
Hempstead Lake	14077.8*	Max WS	1563.76	19.52	31.19		31.19	0.000001	0.24	6495.37	759.80	0.01
Hempstead Lake	14057.8*	Max WS	1563.72	19.52	31.19		31.19	0.000001	0.25	6358.67	759.18	0.01
Hempstead Lake	14037.7*	Max WS	1563.69	19.53	31.19		31.19	0.000001	0.25	6229.59	759.49	0.01
Hempstead Lake	14017.75	Max WS	1563.66	19.53	31.19		31.19	0.000001	0.26	6104.77	758.31	0.02
Hempstead Lake	13998.2*	Max WS	1563.62	19.61	31.19		31.19	0.000002	0.25	6194.35	765.81	0.02
Hempstead Lake	13978.6*	Max WS	1563.59	19.69	31.19		31.19	0.000002	0.25	6287.90	772.96	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13959.1*	Max WS	1563.57	19.77	31.19		31.19	0.000002	0.25	6384.53	779.20	0.01
Hempstead Lake	13939.6*	Max WS	1563.54	19.85	31.19		31.19	0.000002	0.24	6483.59	786.73	0.01
Hempstead Lake	13920.0*	Max WS	1563.51	19.94	31.19		31.19	0.000002	0.24	6587.05	794.29	0.01
Hempstead Lake	13900.5*	Max WS	1563.49	20.02	31.19		31.19	0.000002	0.23	6691.33	810.16	0.01
Hempstead Lake	13881.*	Max WS	1563.47	20.10	31.19		31.19	0.000002	0.23	6797.47	827.45	0.01
Hempstead Lake	13861.4*	Max WS	1563.44	20.18	31.19		31.19	0.000001	0.23	6904.50	844.94	0.01
Hempstead Lake	13841.9*	Max WS	1563.42	20.26	31.19		31.19	0.000001	0.22	7013.17	862.47	0.01
Hempstead Lake	13822.3*	Max WS	1563.40	20.34	31.19		31.19	0.000001	0.22	7121.71	880.15	0.01
Hempstead Lake	13802.8*	Max WS	1563.38	20.42	31.19		31.19	0.000001	0.22	7232.54	897.79	0.01
Hempstead Lake	13783.3*	Max WS	1563.36	20.50	31.19		31.19	0.000001	0.21	7343.23	915.47	0.01
Hempstead Lake	13763.7*	Max WS	1563.34	20.59	31.19		31.19	0.000001	0.21	7456.45	933.28	0.01
Hempstead Lake	13744.2*	Max WS	1563.32	20.67	31.19		31.19	0.000001	0.21	7569.55	951.03	0.01
Hempstead Lake	13724.7*	Max WS	1563.30	20.75	31.19		31.19	0.000001	0.20	7685.44	968.82	0.01
Hempstead Lake	13705.1*	Max WS	1563.29	20.83	31.19		31.19	0.000001	0.20	7800.12	986.74	0.01
Hempstead Lake	13685.63	Max WS	1563.28	20.91	31.19		31.19	0.000001	0.20	7916.63	1004.60	0.01
Hempstead Lake	13666.4*	Max WS	1563.26	21.07	31.19		31.19	0.000001	0.20	7903.51	1016.03	0.01
Hempstead Lake	13647.1*	Max WS	1563.25	21.23	31.19		31.19	0.000001	0.20	7887.98	1027.62	0.01
Hempstead Lake	13627.9*	Max WS	1563.24	21.39	31.19		31.19	0.000001	0.20	7870.68	1039.11	0.01
Hempstead Lake	13608.7*	Max WS	1563.24	21.56	31.19		31.19	0.000001	0.20	7850.72	1050.18	0.01
Hempstead Lake	13589.5*	Max WS	1563.23	21.72	31.19		31.19	0.000001	0.20	7833.67	1078.16	0.01
Hempstead Lake	13570.2*	Max WS	1563.22	21.88	31.19		31.19	0.000001	0.20	7823.79	1095.58	0.01
Hempstead Lake	13551.0*	Max WS	1563.22	22.04	31.19		31.19	0.000001	0.20	7812.70	1101.31	0.01
Hempstead Lake	13531.8*	Max WS	1563.22	22.20	31.19		31.19	0.000001	0.20	7795.69	1102.77	0.01
Hempstead Lake	13512.6*	Max WS	1563.22	22.36	31.19		31.19	0.000001	0.20	7775.62	1103.12	0.01
Hempstead Lake	13493.3*	Max WS	1567.20	22.53	31.19		31.19	0.000001	0.21	7748.95	1103.98	0.01
Hempstead Lake	13474.1*	Max WS	1567.13	22.69	31.19		31.19	0.000001	0.21	7715.58	1103.91	0.01
Hempstead Lake	13454.9*	Max WS	1567.06	22.85	31.19		31.19	0.000001	0.21	7674.79	1102.94	0.01
Hempstead Lake	13435.72	Max WS	1566.99	23.01	31.19		31.19	0.000001	0.21	7628.85	1101.46	0.01
Hempstead Lake	13419.3*	Max WS	1566.93	23.00	31.19		31.19	0.000001	0.21	7552.72	1102.92	0.01
Hempstead Lake	13403.0*	Max WS	1566.87	23.00	31.19		31.19	0.000001	0.21	7483.23	1104.48	0.01
Hempstead Lake	13386.6*	Max WS	1566.82	22.99	31.19		31.19	0.000002	0.21	7418.70	1105.70	0.01
Hempstead Lake	13370.3*	Max WS	1566.76	22.98	31.19		31.19	0.000002	0.22	7360.89	1106.89	0.01
Hempstead Lake	13354.*	Max WS	1566.71	22.98	31.19		31.19	0.000002	0.22	7308.06	1107.69	0.01
Hempstead Lake	13337.6*	Max WS	1566.65	22.97	31.19		31.19	0.000002	0.22	7263.51	1108.37	0.01
Hempstead Lake	13321.3*	Max WS	1566.60	22.96	31.19		31.19	0.000002	0.22	7226.20	1107.72	0.01
Hempstead Lake	13304.9*	Max WS	1566.55	22.95	31.19		31.19	0.000002	0.22	7197.26	1106.22	0.01
Hempstead Lake	13288.6*	Max WS	1566.50	22.95	31.19		31.19	0.000002	0.22	7177.45	1103.98	0.02
Hempstead Lake	13272.29	Max WS	1566.44	22.94	31.19		31.19	0.000002	0.22	7169.89	1100.29	0.02
Hempstead Lake	13255.0*	Max WS	1566.39	22.90	31.19		31.19	0.000002	0.22	7140.42	1102.65	0.02
Hempstead Lake	13237.8*	Max WS	1566.34	22.87	31.19		31.19	0.000002	0.22	7115.52	1104.88	0.02
Hempstead Lake	13220.5*	Max WS	1566.29	22.83	31.19		31.19	0.000002	0.22	7096.62	1107.18	0.02
Hempstead Lake	13203.3*	Max WS	1566.24	22.80	31.19		31.19	0.000002	0.22	7081.71	1109.24	0.02
Hempstead Lake	13186.0*	Max WS	1566.19	22.76	31.19		31.19	0.000002	0.22	7072.35	1111.45	0.02
Hempstead Lake	13168.8*	Max WS	1566.14	22.72	31.19		31.19	0.000002	0.22	7068.15	1113.61	0.02
Hempstead Lake	13151.6*	Max WS	1566.09	22.69	31.19		31.19	0.000002	0.22	7068.18	1115.35	0.02
Hempstead Lake	13134.3*	Max WS	1566.05	22.65	31.19		31.19	0.000002	0.22	7073.65	1117.39	0.02
Hempstead Lake	13117.1*	Max WS	1566.00	22.62	31.19		31.19	0.000002	0.22	7084.39	1119.00	0.02
Hempstead Lake	13099.8*	Max WS	1565.95	22.58	31.19		31.19	0.000002	0.22	7100.31	1120.23	0.02
Hempstead Lake	13082.6*	Max WS	1565.90	22.55	31.19		31.19	0.000002	0.22	7120.00	1121.35	0.02
Hempstead Lake	13065.3*	Max WS	1565.86	22.51	31.19		31.19	0.000002	0.22	7146.13	1122.22	0.02
Hempstead Lake	13048.1*	Max WS	1565.81	22.47	31.19		31.19	0.000002	0.22	7176.67	1123.17	0.02
Hempstead Lake	13030.9*	Max WS	1565.76	22.44	31.19		31.19	0.000002	0.22	7211.60	1123.80	0.02
Hempstead Lake	13013.6*	Max WS	1565.72	22.40	31.19		31.19	0.000002	0.22	7251.54	1124.59	0.01
Hempstead Lake	12996.4*	Max WS	1565.68	22.37	31.19		31.19	0.000002	0.22	7297.51	1125.30	0.01
Hempstead Lake	12979.1*	Max WS	1565.63	22.33	31.19		31.19	0.000002	0.21	7346.55	1125.78	0.01
Hempstead Lake	12961.9*	Max WS	1565.59	22.29	31.19		31.19	0.000002	0.21	7402.78	1126.29	0.01
Hempstead Lake	12944.7*	Max WS	1565.55	22.26	31.19		31.19	0.000002	0.21	7462.09	1126.70	0.01
Hempstead Lake	12927.4*	Max WS	1565.51	22.22	31.19		31.19	0.000002	0.21	7528.06	1127.01	0.01
Hempstead Lake	12910.2*	Max WS	1565.47	22.19	31.19		31.19	0.000002	0.21	7597.58	1127.31	0.01
Hempstead Lake	12892.97	Max WS	1565.43	22.15	31.19		31.19	0.000001	0.20	7672.68	1127.46	0.01
Hempstead Lake	12881.0*	Max WS	1818.96	22.12	31.18		31.19	0.000002	0.24	7685.15	1126.86	0.02
Hempstead Lake	12869.1*	Max WS	1818.93	22.09	31.18		31.19	0.000002	0.24	7699.27	1126.29	0.02
Hempstead Lake	12857.1*	Max WS	1818.90	22.06	31.18		31.19	0.000002	0.24	7713.25	1125.69	0.02
Hempstead Lake	12845.2*	Max WS	1818.87	22.03	31.18		31.19	0.000002	0.24	7727.45	1125.15	0.02
Hempstead Lake	12833.3*	Max WS	1818.84	22.00	31.18		31.19	0.000002	0.24	7741.79	1124.53	0.02
Hempstead Lake	12821.4*	Max WS	1818.81	21.97	31.18		31.19	0.000002	0.24	7756.09	1123.94	0.02
Hempstead Lake	12809.4*	Max WS	1818.78	21.94	31.18		31.19	0.000002	0.24	7774.96	1123.38	0.02
Hempstead Lake	12797.5*	Max WS	1818.76	21.92	31.18		31.19	0.000002	0.23	7791.11	1122.79	0.02
Hempstead Lake	12785.6*	Max WS	1818.73	21.89	31.18		31.19	0.000002	0.23	7809.91	1122.20	0.02
Hempstead Lake	12773.7*	Max WS	1818.70	21.86	31.18		31.19	0.000002	0.23	7828.14	1121.65	0.02
Hempstead Lake	12761.7*	Max WS	1818.67	21.83	31.18		31.19	0.000002	0.23	7846.61	1121.06	0.02
Hempstead Lake	12749.8*	Max WS	1818.65	21.80	31.18		31.19	0.000002	0.23	7866.71	1120.57	0.02
Hempstead Lake	12737.9*	Max WS	1818.62	21.77	31.18		31.19	0.000002	0.23	7886.69	1119.99	0.02
Hempstead Lake	12726.0*	Max WS	1818.59	21.74	31.18		31.19	0.000002	0.23	7907.24	1119.43	0.02
Hempstead Lake	12714.0*	Max WS	1818.56	21.71	31.18		31.19	0.000002	0.23	7927.12	1118.92	0.02
Hempstead Lake	12702.1*	Max WS	1818.54	21.68	31.18		31.19	0.000001	0.23	7949.87	1118.34	0.01
Hempstead Lake	12690.2*	Max WS	1818.51	21.65	31.18		31.19	0.000001	0.23	7972.91	1117.72	0.01
Hempstead Lake	12678.3*	Max WS	1818.48	21.62	31.18		31.19	0.000001	0.23	7994.98	1117.24	0.01
Hempstead Lake	12666.3*	Max WS	1818.46	21.59	31.18		31.19	0.000001	0.23	8018.59	1116.81	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12654.4*	Max WS	1818.43	21.56	31.18		31.19	0.000001	0.23	8042.47	1116.64	0.01
Hempstead Lake	12642.5*	Max WS	1818.40	21.53	31.18		31.19	0.000001	0.23	8067.22	1116.35	0.01
Hempstead Lake	12630.6*	Max WS	1818.38	21.50	31.18		31.19	0.000001	0.23	8092.61	1115.95	0.01
Hempstead Lake	12618.6*	Max WS	1818.35	21.47	31.18		31.19	0.000001	0.23	8118.69	1115.50	0.01
Hempstead Lake	12606.7*	Max WS	1818.33	21.45	31.18		31.19	0.000001	0.23	8144.81	1114.93	0.01
Hempstead Lake	12594.8*	Max WS	1818.30	21.42	31.18		31.19	0.000001	0.23	8172.37	1114.36	0.01
Hempstead Lake	12582.9*	Max WS	1818.27	21.39	31.18		31.19	0.000001	0.22	8200.12	1113.66	0.01
Hempstead Lake	12570.9*	Max WS	1818.25	21.36	31.18		31.19	0.000001	0.22	8228.12	1112.90	0.01
Hempstead Lake	12559.0*	Max WS	1818.22	21.33	31.18		31.19	0.000001	0.22	8255.90	1112.15	0.01
Hempstead Lake	12547.1*	Max WS	1818.20	21.30	31.18		31.19	0.000001	0.22	8285.64	1111.33	0.01
Hempstead Lake	12535.2*	Max WS	1818.17	21.27	31.18		31.19	0.000001	0.22	8316.10	1110.43	0.01
Hempstead Lake	12523.27	Max WS	1818.15	21.24	31.18		31.19	0.000001	0.22	8345.67	1109.57	0.01
Hempstead Lake	12515.8*	Max WS	1893.76	21.24	31.18		31.19	0.000001	0.23	8302.73	1098.58	0.01
Hempstead Lake	12508.3*	Max WS	1893.75	21.24	31.18		31.19	0.000002	0.23	8262.32	1087.40	0.01
Hempstead Lake	12500.9*	Max WS	1893.73	21.23	31.18		31.19	0.000002	0.23	8223.81	1076.24	0.01
Hempstead Lake	12493.4*	Max WS	1893.72	21.23	31.18		31.19	0.000002	0.23	8187.34	1063.32	0.01
Hempstead Lake	12486.0*	Max WS	1893.70	21.23	31.18		31.19	0.000002	0.23	8158.67	1037.30	0.01
Hempstead Lake	12478.5*	Max WS	1893.69	21.23	31.18		31.19	0.000003	0.23	8137.05	1015.93	0.01
Hempstead Lake	12471.1*	Max WS	1893.68	21.23	31.18		31.19	0.000003	0.23	8119.46	1004.01	0.01
Hempstead Lake	12463.7*	Max WS	1893.66	21.23	31.18		31.19	0.000003	0.23	8103.13	994.11	0.01
Hempstead Lake	12456.2*	Max WS	1893.65	21.22	31.18		31.19	0.000003	0.23	8087.80	985.13	0.01
Hempstead Lake	12448.8*	Max WS	1893.64	21.22	31.18		31.19	0.000004	0.24	8072.83	976.62	0.01
Hempstead Lake	12441.3*	Max WS	1893.63	21.22	31.18		31.19	0.000004	0.24	8056.87	968.66	0.01
Hempstead Lake	12433.9*	Max WS	1893.61	21.22	31.18		31.19	0.000004	0.24	8041.92	961.12	0.01
Hempstead Lake	12426.4*	Max WS	1893.60	21.22	31.18		31.19	0.000005	0.24	8028.45	953.79	0.01
Hempstead Lake	12419.0*	Max WS	1893.59	21.21	31.18		31.19	0.000005	0.24	8013.15	946.72	0.01
Hempstead Lake	12411.5*	Max WS	1893.58	21.21	31.18		31.18	0.000005	0.24	7998.57	939.91	0.01
Hempstead Lake	12404.1*	Max WS	1893.57	21.21	31.18		31.18	0.000006	0.24	7983.42	933.32	0.01
Hempstead Lake	12396.6*	Max WS	1893.55	21.21	31.18		31.18	0.000006	0.24	7968.51	927.99	0.01
Hempstead Lake	12389.2*	Max WS	1893.54	21.21	31.18		31.18	0.000006	0.24	7954.08	922.63	0.01
Hempstead Lake	12381.8*	Max WS	1893.53	21.21	31.18		31.18	0.000007	0.24	7938.92	917.19	0.01
Hempstead Lake	12374.3*	Max WS	1893.52	21.20	31.18		31.18	0.000007	0.24	7923.38	911.69	0.01
Hempstead Lake	12366.9*	Max WS	1893.51	21.20	31.18		31.18	0.000008	0.24	7908.67	906.09	0.01
Hempstead Lake	12359.46	Max WS	1893.49	21.20	31.18		31.18	0.000001	0.24	7892.95	900.36	0.01
Hempstead Lake	12350.7*	Max WS	1942.95	21.20	31.18		31.18	0.000009	0.25	7707.04	889.21	0.01
Hempstead Lake	12342.0*	Max WS	1942.94	21.19	31.18		31.18	0.000009	0.26	7524.46	878.09	0.02
Hempstead Lake	12333.3*	Max WS	1942.93	21.19	31.18		31.18	0.000009	0.26	7343.71	866.84	0.02
Hempstead Lake	12324.7*	Max WS	1942.91	21.18	31.18		31.18	0.000010	0.27	7166.45	855.76	0.02
Hempstead Lake	12316.0*	Max WS	1942.90	21.18	31.18		31.18	0.000010	0.28	6992.09	844.67	0.02
Hempstead Lake	12307.3*	Max WS	1942.89	21.17	31.18		31.18	0.000011	0.29	6819.79	833.62	0.02
Hempstead Lake	12298.6*	Max WS	1942.87	21.17	31.18		31.18	0.000011	0.29	6650.66	822.50	0.02
Hempstead Lake	12289.9*	Max WS	1942.86	21.16	31.18		31.18	0.000012	0.30	6484.26	811.39	0.02
Hempstead Lake	12281.2*	Max WS	1942.85	21.16	31.18		31.18	0.000012	0.31	6320.92	800.41	0.02
Hempstead Lake	12272.5*	Max WS	1942.83	21.15	31.18		31.18	0.000013	0.32	6159.53	789.42	0.02
Hempstead Lake	12263.8*	Max WS	1942.82	21.15	31.18		31.18	0.000013	0.32	6002.45	778.48	0.02
Hempstead Lake	12255.1*	Max WS	1942.81	21.14	31.18		31.18	0.000014	0.33	5846.69	767.47	0.02
Hempstead Lake	12246.4*	Max WS	1942.80	21.14	31.18		31.18	0.000015	0.34	5693.74	756.59	0.02
Hempstead Lake	12237.7*	Max WS	1942.78	21.13	31.18		31.18	0.000015	0.35	5544.55	745.69	0.02
Hempstead Lake	12229.1*	Max WS	1942.77	21.13	31.18		31.18	0.000016	0.36	5396.95	734.87	0.02
Hempstead Lake	12220.4*	Max WS	1942.76	21.12	31.18		31.18	0.000017	0.37	5253.17	724.01	0.02
Hempstead Lake	12211.7*	Max WS	1942.75	21.12	31.18		31.18	0.000018	0.38	5111.58	713.27	0.02
Hempstead Lake	12203.0*	Max WS	1942.74	21.11	31.18		31.18	0.000019	0.39	4973.30	702.63	0.03
Hempstead Lake	12194.3*	Max WS	1942.73	21.11	31.18		31.18	0.000019	0.40	4837.11	692.00	0.03
Hempstead Lake	12185.6*	Max WS	1942.71	21.10	31.18		31.18	0.000020	0.42	4704.85	680.78	0.03
Hempstead Lake	12176.9*	Max WS	1942.70	21.10	31.18		31.18	0.000021	0.43	4574.15	669.67	0.03
Hempstead Lake	12168.2*	Max WS	1942.69	21.10	31.18		31.18	0.000022	0.44	4446.47	658.61	0.03
Hempstead Lake	12159.5*	Max WS	1942.68	21.09	31.18		31.18	0.000023	0.45	4322.86	649.17	0.03
Hempstead Lake	12150.8*	Max WS	1942.67	21.09	31.18		31.18	0.000024	0.47	4201.14	641.02	0.03
Hempstead Lake	12142.1*	Max WS	1942.66	21.08	31.18		31.18	0.000020	0.48	4083.69	633.78	0.03
Hempstead Lake	12133.5*	Max WS	1942.65	21.08	31.18		31.18	0.000021	0.50	3968.75	625.59	0.03
Hempstead Lake	12124.8*	Max WS	1942.64	21.07	31.18		31.18	0.000021	0.51	3858.24	616.11	0.03
Hempstead Lake	12116.1*	Max WS	1942.63	21.07	31.18		31.18	0.000022	0.53	3749.60	606.35	0.04
Hempstead Lake	12107.4*	Max WS	1942.62	21.06	31.18		31.18	0.000022	0.54	3644.14	593.62	0.04
Hempstead Lake	12098.7*	Max WS	1942.61	21.06	31.18		31.18	0.000023	0.56	3540.91	579.93	0.04
Hempstead Lake	12090.0*	Max WS	1942.60	21.05	31.18		31.18	0.000023	0.58	3440.34	566.21	0.04
Hempstead Lake	12081.3*	Max WS	1942.59	21.05	31.17		31.18	0.000024	0.59	3341.60	552.53	0.04
Hempstead Lake	12072.6*	Max WS	1942.58	21.04	31.17		31.18	0.000024	0.61	3245.72	538.81	0.04
Hempstead Lake	12063.9*	Max WS	1942.57	21.04	31.17		31.18	0.000025	0.63	3151.28	525.08	0.04
Hempstead Lake	12055.2*	Max WS	1942.56	21.03	31.17		31.18	0.000024	0.65	3059.81	510.85	0.05
Hempstead Lake	12046.5*	Max WS	1942.56	21.03	31.17		31.18	0.000024	0.67	2970.27	496.53	0.05
Hempstead Lake	12037.9*	Max WS	1942.55	21.02	31.17		31.18	0.000024	0.69	2883.45	482.27	0.05
Hempstead Lake	12029.2*	Max WS	1942.54	21.02	31.17		31.18	0.000024	0.71	2798.56	468.11	0.05
Hempstead Lake	12020.5*	Max WS	1942.53	21.01	31.17		31.18	0.000024	0.74	2716.51	454.09	0.05
Hempstead Lake	12011.8*	Max WS	1942.53	21.01	31.17		31.18	0.000025	0.76	2636.19	440.14	0.05
Hempstead Lake	12003.1*	Max WS	1942.52	21.00	31.17		31.18	0.000024	0.78	2558.94	426.30	0.06
Hempstead Lake	11994.45	Max WS	1960.60	21.00	31.17		31.18	0.000029	0.82	2482.85	412.65	0.06
Hempstead Lake	11989.45	Max WS	1960.60	21.00	31.17	23.45	31.18	0.000033	0.87	2327.75	410.49	0.06
Hempstead Lake	11979.45		Inl Struct									
Hempstead Lake	11969.45	Max WS	1960.60	21.00	31.14		31.16	0.000098	1.36	1437.00	401.91	0.08

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11964.45	Max WS	1960.59	21.00	31.14		31.16	0.000146	1.36	1436.90	402.66	0.08
Hempstead Lake	11954.6*	Max WS	1960.58	20.92	31.13		31.16	0.000048	1.44	1365.68	395.67	0.09
Hempstead Lake	11944.8*	Max WS	1960.58	20.83	31.13		31.16	0.000055	1.51	1295.33	383.50	0.09
Hempstead Lake	11934.9*	Max WS	1960.57	20.75	31.12		31.16	0.000063	1.60	1224.26	360.12	0.10
Hempstead Lake	11925.1*	Max WS	1960.56	20.66	31.12		31.16	0.000073	1.70	1154.26	342.09	0.10
Hempstead Lake	11915.3*	Max WS	1960.56	20.58	31.11		31.16	0.000085	1.81	1084.22	322.30	0.11
Hempstead Lake	11905.5*	Max WS	1960.56	20.49	31.10		31.16	0.000099	1.93	1015.40	312.12	0.12
Hempstead Lake	11895.6*	Max WS	1960.56	20.41	31.09		31.16	0.000117	2.07	946.95	302.89	0.13
Hempstead Lake	11885.8*	Max WS	1960.56	20.32	31.08		31.16	0.000137	2.23	880.30	296.17	0.14
Hempstead Lake	11876.0*	Max WS	1960.55	20.24	31.07		31.16	0.000162	2.41	814.47	293.24	0.15
Hempstead Lake	11866.2*	Max WS	1960.55	20.15	31.05		31.15	0.000191	2.61	751.05	289.88	0.17
Hempstead Lake	11856.4*	Max WS	1960.55	20.07	31.03		31.15	0.000228	2.84	689.14	286.12	0.18
Hempstead Lake	11846.5*	Max WS	1960.55	19.98	31.00		31.15	0.000275	3.11	630.14	281.73	0.20
Hempstead Lake	11836.7*	Max WS	1960.55	19.90	30.97		31.15	0.000334	3.42	573.19	275.27	0.22
Hempstead Lake	11826.9*	Max WS	1960.55	19.81	30.92		31.14	0.000409	3.76	521.43	259.86	0.24
Hempstead Lake	11817.1*	Max WS	1960.54	19.73	30.87		31.14	0.000469	4.14	473.11	226.62	0.26
Hempstead Lake	11807.2*	Max WS	1960.54	19.64	30.81		31.13	0.000604	4.59	427.56	190.99	0.28
Hempstead Lake	11797.46	Max WS	1960.54	19.56	30.72		31.13	0.000851	5.14	381.08	185.32	0.32
Hempstead Lake	11792.46	Max WS	1960.54	19.56	30.84		31.12	0.000579	4.30	455.68	191.76	0.28
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	292.74	19.54	26.20		26.22	0.000096	1.37	214.06	40.05	0.10
Hempstead Lake	11627.46	Max WS	292.74	19.54	26.19		26.22	0.000105	1.40	209.18	41.25	0.11
Hempstead Lake	11623.2*	Max WS	292.74	19.43	26.19		26.22	0.000154	1.51	194.15	40.03	0.12
Hempstead Lake	11619.1*	Max WS	292.74	19.31	26.19		26.22	0.000180	1.51	194.30	42.75	0.12
Hempstead Lake	11614.94	Max WS	294.32	19.20	26.20		26.22	0.000096	1.29	227.89	48.51	0.11
Hempstead Lake	11612.94	Max WS	295.63	19.20	26.20		26.22	0.000097	1.29	229.74	49.69	0.11
Hempstead Lake	11606.9*	Max WS	294.32	19.20	26.20		26.22	0.000102	1.28	230.14	49.98	0.11
Hempstead Lake	11600.94	Max WS	292.74	19.20	26.20		26.22	0.000095	1.27	230.69	50.34	0.10
Hempstead Lake	11598.94	Max WS	292.74	19.20	26.20		26.22	0.000095	1.27	229.99	49.89	0.10
Hempstead Lake	11573.9*	Max WS	299.91	19.18	26.21		26.22	0.000029	0.75	398.03	74.52	0.06
Hempstead Lake	11548.9*	Max WS	299.91	19.15	26.21		26.22	0.000015	0.53	566.19	99.15	0.04
Hempstead Lake	11523.9*	Max WS	301.46	19.12	26.22		26.22	0.000009	0.41	735.01	123.89	0.03
Hempstead Lake	11498.9*	Max WS	301.46	19.10	26.22		26.22	0.000007	0.33	904.36	148.75	0.02
Hempstead Lake	11473.9*	Max WS	301.46	19.08	26.22		26.22	0.000006	0.28	1074.29	173.71	0.02
Hempstead Lake	11448.9*	Max WS	301.46	19.05	26.22		26.22	0.000005	0.24	1245.50	198.84	0.02
Hempstead Lake	11423.9*	Max WS	301.86	19.02	26.22		26.22	0.000004	0.21	1417.49	223.70	0.01
Hempstead Lake	11398.9*	Max WS	301.86	19.00	26.22		26.22	0.000004	0.19	1589.79	247.86	0.01
Hempstead Lake	11373.9*	Max WS	301.85	18.98	26.22		26.22	0.000003	0.17	1762.71	273.24	0.01
Hempstead Lake	11349.*	Max WS	301.85	18.95	26.22		26.22	0.000003	0.16	1942.91	319.08	0.01
Hempstead Lake	11324.*	Max WS	301.85	18.92	26.22		26.22	0.000003	0.14	2135.41	365.63	0.01
Hempstead Lake	11299.0*	Max WS	301.85	18.90	26.22		26.22	0.000003	0.13	2343.66	510.23	0.01
Hempstead Lake	11274.0*	Max WS	301.85	18.88	26.22		26.22	0.000002	0.11	2754.07	853.92	0.01
Hempstead Lake	11249.0*	Max WS	301.85	18.85	26.22		26.22	0.000002	0.10	3317.52	1081.28	0.01
Hempstead Lake	11224.0*	Max WS	301.85	18.83	26.22		26.22	0.000001	0.08	3991.35	1163.02	0.01
Hempstead Lake	11199.0*	Max WS	301.46	18.80	26.22		26.22	0.000001	0.07	4720.21	1241.35	0.00
Hempstead Lake	11174.0*	Max WS	301.84	18.77	26.22		26.22	0.000001	0.05	5503.34	1316.87	0.00
Hempstead Lake	11149.0*	Max WS	301.84	18.75	26.22		26.22	0.000000	0.04	6339.28	1391.51	0.00
Hempstead Lake	11124.0*	Max WS	301.84	18.73	26.22		26.22	0.000000	0.03	7226.38	1461.68	0.00
Hempstead Lake	11099.0*	Max WS	301.46	18.70	26.22		26.22	0.000000	0.03	8160.53	1530.74	0.00
Hempstead Lake	11074.0*	Max WS	301.46	18.67	26.22		26.22	0.000000	0.02	9147.52	1604.13	0.00
Hempstead Lake	11049.07	Max WS	301.83	18.65	26.22		26.22	0.000000	0.03	10182.89	1679.00	0.00
Hempstead Lake	11038.4*	Max WS	301.83	18.61	26.22		26.22	0.000000	0.02	9727.40	1654.91	0.00
Hempstead Lake	11027.7*	Max WS	302.19	18.58	26.22		26.22	0.000000	0.02	9290.15	1630.94	0.00
Hempstead Lake	11017.0*	Max WS	301.83	18.54	26.22		26.22	0.000000	0.02	8867.10	1608.96	0.00
Hempstead Lake	11006.4*	Max WS	301.82	18.50	26.22		26.22	0.000000	0.03	8458.25	1589.77	0.00
Hempstead Lake	10995.7*	Max WS	301.82	18.47	26.22		26.22	0.000000	0.03	8068.11	1570.57	0.00
Hempstead Lake	10985.0*	Max WS	301.82	18.43	26.22		26.22	0.000000	0.03	7692.14	1551.61	0.00
Hempstead Lake	10974.4*	Max WS	301.47	18.39	26.22		26.22	0.000000	0.04	7330.21	1532.48	0.00
Hempstead Lake	10963.7*	Max WS	301.82	18.35	26.22		26.22	0.000000	0.04	6985.31	1513.29	0.00
Hempstead Lake	10953.1*	Max WS	301.82	18.32	26.22		26.22	0.000000	0.04	6655.57	1494.28	0.00
Hempstead Lake	10942.4*	Max WS	301.81	18.28	26.22		26.22	0.000000	0.05	6340.00	1475.22	0.00
Hempstead Lake	10931.7*	Max WS	301.81	18.24	26.22		26.22	0.000000	0.05	6038.29	1456.08	0.00
Hempstead Lake	10921.1*	Max WS	302.16	18.21	26.22		26.22	0.000000	0.06	5753.43	1437.11	0.00
Hempstead Lake	10910.4*	Max WS	301.47	18.17	26.22		26.22	0.000001	0.06	5485.50	1418.24	0.00
Hempstead Lake	10899.7*	Max WS	301.81	18.13	26.22		26.22	0.000001	0.06	5229.72	1399.19	0.00
Hempstead Lake	10889.1*	Max WS	301.81	18.10	26.22		26.22	0.000001	0.06	4990.55	1379.86	0.00
Hempstead Lake	10878.4*	Max WS	301.81	18.06	26.22		26.22	0.000001	0.07	4784.76	1218.59	0.00
Hempstead Lake	10867.8*	Max WS	302.14	18.02	26.22		26.22	0.000001	0.07	4623.14	1167.37	0.01
Hempstead Lake	10857.1*	Max WS	301.80	17.99	26.22		26.22	0.000001	0.07	4490.13	1036.79	0.01
Hempstead Lake	10846.4*	Max WS	301.47	17.95	26.22		26.22	0.000001	0.07	4432.46	847.67	0.01
Hempstead Lake	10835.8*	Max WS	301.80	17.91	26.22		26.22	0.000001	0.07	4432.08	771.46	0.01
Hempstead Lake	10825.1*	Max WS	301.47	17.88	26.22		26.22	0.000001	0.07	4443.84	747.32	0.00
Hempstead Lake	10814.4*	Max WS	301.80	17.84	26.22		26.22	0.000000	0.07	4461.94	745.07	0.00
Hempstead Lake	10803.8*	Max WS	301.47	17.80	26.22		26.22	0.000000	0.07	4481.80	743.69	0.00
Hempstead Lake	10793.1*	Max WS	301.80	17.76	26.22		26.22	0.000000	0.07	4504.57	742.60	0.00
Hempstead Lake	10782.4*	Max WS	301.80	17.73	26.22		26.22	0.000000	0.07	4527.99	739.09	0.00
Hempstead Lake	10771.8*	Max WS	301.80	17.69	26.22		26.22	0.000000	0.07	4555.71	736.26	0.00
Hempstead Lake	10761.1*	Max WS	301.79	17.65	26.22		26.22	0.000000	0.07	4585.52	734.00	0.00
Hempstead Lake	10750.5*	Max WS	301.47	17.62	26.22		26.22	0.000000	0.07	4615.59	732.26	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10739.8*	Max WS	301.79	17.58	26.22		26.22	0.000000	0.06	4649.01	730.81	0.00
Hempstead Lake	10729.1*	Max WS	302.11	17.54	26.22		26.22	0.000000	0.06	4684.06	730.04	0.00
Hempstead Lake	10718.5*	Max WS	301.79	17.51	26.22		26.22	0.000000	0.06	4718.62	729.31	0.00
Hempstead Lake	10707.8*	Max WS	301.79	17.47	26.22		26.22	0.000000	0.06	4757.75	729.19	0.00
Hempstead Lake	10697.1*	Max WS	302.11	17.43	26.22		26.22	0.000000	0.06	4796.04	729.73	0.00
Hempstead Lake	10686.5*	Max WS	301.79	17.40	26.22		26.22	0.000000	0.06	4836.33	731.05	0.00
Hempstead Lake	10675.8*	Max WS	301.79	17.36	26.22		26.22	0.000000	0.06	4877.15	732.53	0.00
Hempstead Lake	10665.2*	Max WS	301.78	17.32	26.22		26.22	0.000000	0.06	4918.83	734.06	0.00
Hempstead Lake	10654.5*	Max WS	302.10	17.29	26.22		26.22	0.000000	0.06	4960.67	736.04	0.00
Hempstead Lake	10643.8*	Max WS	301.78	17.25	26.22		26.22	0.000000	0.06	5004.72	737.94	0.00
Hempstead Lake	10633.2*	Max WS	301.78	17.21	26.22		26.22	0.000000	0.06	5049.02	740.07	0.00
Hempstead Lake	10622.5*	Max WS	301.78	17.17	26.22		26.22	0.000000	0.06	5094.27	742.36	0.00
Hempstead Lake	10611.8*	Max WS	301.78	17.14	26.22		26.22	0.000000	0.06	5138.90	744.81	0.00
Hempstead Lake	10601.2*	Max WS	301.78	17.10	26.22		26.22	0.000000	0.06	5186.01	747.32	0.00
Hempstead Lake	10590.5*	Max WS	301.78	17.06	26.22		26.22	0.000000	0.06	5232.93	749.99	0.00
Hempstead Lake	10579.8*	Max WS	301.78	17.03	26.22		26.22	0.000000	0.06	5279.97	752.71	0.00
Hempstead Lake	10569.23	Max WS	301.78	16.99	26.22		26.22	0.000000	0.06	5328.13	755.60	0.00
Hempstead Lake	10549.1*	Max WS	301.77	16.96	26.22		26.22	0.000000	0.06	5329.23	757.61	0.00
Hempstead Lake	10529.0*	Max WS	301.77	16.94	26.22		26.22	0.000000	0.06	5332.64	759.84	0.00
Hempstead Lake	10508.9*	Max WS	302.07	16.91	26.22		26.22	0.000000	0.06	5337.20	762.05	0.00
Hempstead Lake	10488.7*	Max WS	301.77	16.89	26.22		26.22	0.000000	0.06	5342.45	764.67	0.00
Hempstead Lake	10468.6*	Max WS	302.07	16.86	26.22		26.22	0.000000	0.06	5351.32	767.53	0.00
Hempstead Lake	10448.5*	Max WS	301.77	16.83	26.22		26.22	0.000000	0.06	5362.32	770.67	0.00
Hempstead Lake	10428.4*	Max WS	301.77	16.81	26.22		26.22	0.000000	0.06	5374.50	773.95	0.00
Hempstead Lake	10408.3*	Max WS	301.77	16.78	26.22		26.22	0.000000	0.06	5390.73	777.58	0.00
Hempstead Lake	10388.2*	Max WS	301.77	16.76	26.22		26.22	0.000000	0.06	5406.65	781.51	0.00
Hempstead Lake	10368.1*	Max WS	301.77	16.73	26.22		26.22	0.000000	0.06	5427.88	785.83	0.00
Hempstead Lake	10348.0*	Max WS	302.06	16.71	26.22		26.22	0.000000	0.06	5449.21	791.17	0.00
Hempstead Lake	10327.9*	Max WS	301.76	16.68	26.22		26.22	0.000000	0.06	5474.96	797.50	0.00
Hempstead Lake	10307.8*	Max WS	301.48	16.65	26.22		26.22	0.000000	0.05	5504.38	804.07	0.00
Hempstead Lake	10287.7*	Max WS	302.05	16.63	26.22		26.22	0.000000	0.05	5536.21	811.26	0.00
Hempstead Lake	10267.6*	Max WS	301.76	16.60	26.22		26.22	0.000000	0.05	5572.81	819.18	0.00
Hempstead Lake	10247.4*	Max WS	302.05	16.58	26.22		26.22	0.000000	0.05	5611.84	827.63	0.00
Hempstead Lake	10227.3*	Max WS	301.76	16.55	26.22		26.22	0.000000	0.05	5655.84	836.73	0.00
Hempstead Lake	10207.2*	Max WS	301.76	16.52	26.22		26.22	0.000000	0.05	5704.25	838.14	0.00
Hempstead Lake	10187.1*	Max WS	301.76	16.50	26.22		26.22	0.000000	0.05	5752.28	839.19	0.00
Hempstead Lake	10167.0*	Max WS	301.48	16.47	26.22		26.22	0.000000	0.05	5803.93	840.22	0.00
Hempstead Lake	10146.9*	Max WS	301.76	16.45	26.22		26.22	0.000000	0.05	5855.08	841.13	0.00
Hempstead Lake	10126.8*	Max WS	302.03	16.42	26.22		26.22	0.000000	0.05	5910.69	842.12	0.00
Hempstead Lake	10106.7*	Max WS	301.75	16.40	26.22		26.22	0.000000	0.05	5964.26	842.96	0.00
Hempstead Lake	10086.6*	Max WS	301.75	16.37	26.22		26.22	0.000000	0.05	6021.42	843.75	0.00
Hempstead Lake	10066.5*	Max WS	302.03	16.34	26.22		26.22	0.000000	0.05	6079.63	844.66	0.00
Hempstead Lake	10046.4*	Max WS	301.75	16.32	26.22		26.22	0.000000	0.05	6138.78	845.38	0.00
Hempstead Lake	10026.2*	Max WS	302.02	16.29	26.22		26.22	0.000000	0.05	6200.22	846.12	0.00
Hempstead Lake	10006.1*	Max WS	302.02	16.27	26.22		26.22	0.000000	0.05	6261.70	846.80	0.00
Hempstead Lake	9986.073	Max WS	301.75	16.24	26.22		26.22	0.000000	0.05	6325.18	847.60	0.00
Hempstead Lake	9965.77*	Max WS	301.75	16.21	26.22		26.22	0.000000	0.05	6339.44	846.65	0.00
Hempstead Lake	9945.47*	Max WS	301.75	16.19	26.22		26.22	0.000000	0.05	6351.97	845.77	0.00
Hempstead Lake	9925.18*	Max WS	302.01	16.16	26.22		26.22	0.000000	0.05	6366.36	845.02	0.00
Hempstead Lake	9904.88*	Max WS	302.01	16.13	26.22		26.22	0.000000	0.05	6381.23	844.57	0.00
Hempstead Lake	9884.59*	Max WS	301.75	16.11	26.22		26.22	0.000000	0.05	6395.01	844.17	0.00
Hempstead Lake	9864.29*	Max WS	302.00	16.08	26.22		26.22	0.000000	0.05	6410.92	844.19	0.00
Hempstead Lake	9843.99*	Max WS	301.74	16.05	26.22		26.22	0.000000	0.05	6427.52	844.19	0.00
Hempstead Lake	9823.7*	Max WS	301.74	16.03	26.22		26.22	0.000000	0.05	6443.48	843.03	0.00
Hempstead Lake	9803.40*	Max WS	301.74	16.00	26.22		26.22	0.000000	0.05	6459.67	841.47	0.00
Hempstead Lake	9783.10*	Max WS	301.99	15.97	26.22		26.22	0.000000	0.05	6476.65	839.76	0.00
Hempstead Lake	9762.81*	Max WS	301.99	15.95	26.22		26.22	0.000000	0.05	6492.34	838.07	0.00
Hempstead Lake	9742.51*	Max WS	301.99	15.92	26.22		26.22	0.000000	0.05	6509.55	836.05	0.00
Hempstead Lake	9722.21*	Max WS	301.74	15.89	26.22		26.22	0.000000	0.05	6526.33	833.99	0.00
Hempstead Lake	9701.92*	Max WS	301.74	15.87	26.22		26.22	0.000000	0.05	6542.16	831.78	0.00
Hempstead Lake	9681.62*	Max WS	301.74	15.84	26.22		26.22	0.000000	0.05	6557.66	829.34	0.00
Hempstead Lake	9661.32*	Max WS	301.74	15.81	26.22		26.22	0.000000	0.05	6575.38	826.86	0.00
Hempstead Lake	9641.03*	Max WS	301.74	15.79	26.22		26.22	0.000000	0.05	6590.24	824.28	0.00
Hempstead Lake	9620.73*	Max WS	301.98	15.76	26.22		26.22	0.000000	0.05	6606.27	821.55	0.00
Hempstead Lake	9600.43*	Max WS	301.74	15.73	26.22		26.22	0.000000	0.05	6620.73	818.64	0.00
Hempstead Lake	9580.14*	Max WS	301.73	15.71	26.22		26.22	0.000000	0.05	6635.03	815.74	0.00
Hempstead Lake	9559.84*	Max WS	301.97	15.68	26.22		26.22	0.000000	0.05	6649.89	812.66	0.00
Hempstead Lake	9539.54*	Max WS	301.73	15.66	26.22		26.22	0.000000	0.05	6663.29	809.46	0.00
Hempstead Lake	9519.25*	Max WS	301.97	15.63	26.22		26.22	0.000000	0.05	6675.33	806.31	0.00
Hempstead Lake	9498.95*	Max WS	301.73	15.60	26.22		26.22	0.000000	0.05	6689.61	802.94	0.00
Hempstead Lake	9478.65*	Max WS	301.50	15.58	26.22		26.22	0.000000	0.04	6701.50	799.48	0.00
Hempstead Lake	9458.36*	Max WS	301.73	15.55	26.22		26.22	0.000000	0.04	6713.54	796.09	0.00
Hempstead Lake	9438.06*	Max WS	301.50	15.52	26.22		26.22	0.000000	0.04	6723.56	792.45	0.00
Hempstead Lake	9417.76*	Max WS	301.73	15.50	26.22		26.22	0.000000	0.04	6733.99	788.81	0.00
Hempstead Lake	9397.47*	Max WS	301.96	15.47	26.22		26.22	0.000000	0.04	6743.16	785.20	0.00
Hempstead Lake	9377.17*	Max WS	301.73	15.44	26.22		26.22	0.000000	0.04	6753.63	781.45	0.00
Hempstead Lake	9356.87*	Max WS	301.95	15.42	26.22		26.22	0.000000	0.04	6759.44	777.66	0.00
Hempstead Lake	9336.58*	Max WS	301.95	15.39	26.22		26.22	0.000000	0.04	6767.87	773.88	0.00
Hempstead Lake	9316.28*	Max WS	301.95	15.36	26.22		26.22	0.000000	0.04	6775.41	769.94	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9295.98*	Max WS	301.72	15.34	26.22		26.22	0.000000	0.04	6780.30	766.07	0.00
Hempstead Lake	9275.69*	Max WS	301.94	15.31	26.22		26.22	0.000000	0.04	6785.85	762.23	0.00
Hempstead Lake	9255.39*	Max WS	301.72	15.28	26.22		26.22	0.000000	0.04	6790.21	758.32	0.00
Hempstead Lake	9235.09*	Max WS	301.72	15.26	26.22		26.22	0.000000	0.04	6792.45	754.45	0.00
Hempstead Lake	9214.80*	Max WS	301.72	15.23	26.22		26.22	0.000000	0.04	6796.66	750.46	0.00
Hempstead Lake	9194.50*	Max WS	301.72	15.20	26.22		26.22	0.000000	0.04	6797.96	746.19	0.00
Hempstead Lake	9174.20*	Max WS	301.72	15.18	26.22		26.22	0.000000	0.04	6797.81	741.98	0.00
Hempstead Lake	9153.910	Max WS	301.72	15.15	26.22		26.22	0.000000	0.04	6798.86	737.80	0.00
Hempstead Lake	9133.22*	Max WS	313.38	15.12	26.22		26.22	0.000000	0.05	6806.89	740.64	0.00
Hempstead Lake	9112.54*	Max WS	313.38	15.10	26.22		26.22	0.000000	0.05	6811.81	743.46	0.00
Hempstead Lake	9091.85*	Max WS	313.38	15.07	26.22		26.22	0.000000	0.05	6819.46	745.39	0.00
Hempstead Lake	9071.17*	Max WS	313.38	15.05	26.22		26.22	0.000000	0.05	6824.79	747.36	0.00
Hempstead Lake	9050.49*	Max WS	313.59	15.02	26.22		26.22	0.000000	0.05	6830.60	749.11	0.00
Hempstead Lake	9029.80*	Max WS	313.59	15.00	26.22		26.22	0.000000	0.05	6835.10	750.93	0.00
Hempstead Lake	9009.12*	Max WS	313.38	14.97	26.22		26.22	0.000000	0.05	6840.21	752.63	0.00
Hempstead Lake	8988.44*	Max WS	313.59	14.95	26.22		26.22	0.000000	0.05	6844.61	755.59	0.00
Hempstead Lake	8967.75*	Max WS	313.38	14.92	26.22		26.22	0.000000	0.05	6848.56	758.16	0.00
Hempstead Lake	8947.07*	Max WS	313.59	14.90	26.22		26.22	0.000000	0.05	6851.57	760.71	0.00
Hempstead Lake	8926.39*	Max WS	313.17	14.87	26.22		26.22	0.000000	0.05	6854.95	763.14	0.00
Hempstead Lake	8905.70*	Max WS	313.58	14.85	26.22		26.22	0.000000	0.05	6858.09	765.57	0.00
Hempstead Lake	8885.02*	Max WS	313.58	14.82	26.22		26.22	0.000000	0.05	6860.35	767.79	0.00
Hempstead Lake	8864.33*	Max WS	313.58	14.80	26.22		26.22	0.000000	0.05	6861.48	769.97	0.00
Hempstead Lake	8843.65*	Max WS	313.58	14.77	26.22		26.22	0.000000	0.05	6863.95	772.09	0.00
Hempstead Lake	8822.97*	Max WS	313.38	14.75	26.22		26.22	0.000000	0.05	6864.33	774.05	0.00
Hempstead Lake	8802.28*	Max WS	313.37	14.72	26.22		26.22	0.000000	0.05	6865.44	775.91	0.00
Hempstead Lake	8781.60*	Max WS	313.37	14.70	26.22		26.22	0.000000	0.05	6865.74	777.71	0.00
Hempstead Lake	8760.92*	Max WS	313.37	14.67	26.22		26.22	0.000000	0.05	6865.93	779.35	0.00
Hempstead Lake	8740.23*	Max WS	313.37	14.65	26.22		26.22	0.000000	0.05	6866.91	780.95	0.00
Hempstead Lake	8719.55*	Max WS	313.37	14.62	26.22		26.22	0.000000	0.05	6865.63	782.30	0.00
Hempstead Lake	8698.86*	Max WS	313.37	14.60	26.22		26.22	0.000000	0.05	6867.48	783.65	0.00
Hempstead Lake	8678.18*	Max WS	313.37	14.57	26.22		26.22	0.000000	0.05	6867.06	784.82	0.00
Hempstead Lake	8657.50*	Max WS	313.37	14.55	26.22		26.22	0.000000	0.05	6865.59	785.93	0.00
Hempstead Lake	8636.81*	Max WS	313.37	14.52	26.22		26.22	0.000000	0.05	6865.74	786.90	0.00
Hempstead Lake	8616.13*	Max WS	313.55	14.50	26.22		26.22	0.000000	0.05	6864.24	787.35	0.00
Hempstead Lake	8595.45*	Max WS	313.55	14.47	26.22		26.22	0.000000	0.05	6865.41	787.74	0.00
Hempstead Lake	8574.76*	Max WS	313.36	14.45	26.22		26.22	0.000000	0.05	6863.35	787.91	0.00
Hempstead Lake	8554.08*	Max WS	313.36	14.42	26.22		26.22	0.000000	0.05	6863.96	781.62	0.00
Hempstead Lake	8533.39*	Max WS	313.36	14.40	26.22		26.22	0.000000	0.05	6865.83	770.10	0.00
Hempstead Lake	8512.71*	Max WS	313.54	14.37	26.22		26.22	0.000000	0.05	6869.63	768.44	0.00
Hempstead Lake	8492.03*	Max WS	313.36	14.35	26.22		26.22	0.000000	0.05	6875.10	766.78	0.00
Hempstead Lake	8471.34*	Max WS	313.54	14.32	26.22		26.22	0.000000	0.05	6881.26	764.80	0.00
Hempstead Lake	8450.66*	Max WS	313.36	14.30	26.22		26.22	0.000000	0.05	6887.93	762.57	0.00
Hempstead Lake	8429.980	Max WS	313.36	14.27	26.22		26.22	0.000000	0.05	6894.66	760.26	0.00
Hempstead Lake	8416.34*	Max WS	313.36	14.25	26.22		26.22	0.000000	0.05	6941.47	765.47	0.00
Hempstead Lake	8402.71*	Max WS	313.53	14.23	26.22		26.22	0.000000	0.04	6989.78	770.66	0.00
Hempstead Lake	8389.07*	Max WS	313.36	14.21	26.22		26.22	0.000000	0.04	7039.15	775.92	0.00
Hempstead Lake	8375.44*	Max WS	313.36	14.19	26.22		26.22	0.000000	0.04	7091.09	781.34	0.00
Hempstead Lake	8361.81*	Max WS	313.53	14.16	26.22		26.22	0.000000	0.04	7141.33	786.51	0.00
Hempstead Lake	8348.17*	Max WS	313.53	14.14	26.22		26.22	0.000000	0.04	7193.23	791.82	0.00
Hempstead Lake	8334.54*	Max WS	313.53	14.12	26.22		26.22	0.000000	0.04	7245.22	797.11	0.00
Hempstead Lake	8320.91*	Max WS	313.53	14.10	26.22		26.22	0.000000	0.04	7298.27	802.44	0.00
Hempstead Lake	8307.27*	Max WS	313.52	14.08	26.22		26.22	0.000000	0.04	7351.41	807.65	0.00
Hempstead Lake	8293.64*	Max WS	313.36	14.06	26.22		26.22	0.000000	0.04	7408.38	813.17	0.00
Hempstead Lake	8280.00*	Max WS	313.36	14.04	26.22		26.22	0.000000	0.04	7463.43	819.37	0.00
Hempstead Lake	8266.37*	Max WS	313.36	14.02	26.22		26.22	0.000000	0.04	7518.25	829.63	0.00
Hempstead Lake	8252.74*	Max WS	313.52	13.99	26.22		26.22	0.000000	0.04	7576.72	838.81	0.00
Hempstead Lake	8239.10*	Max WS	313.35	13.97	26.22		26.22	0.000000	0.04	7634.45	847.21	0.00
Hempstead Lake	8225.47*	Max WS	313.52	13.95	26.22		26.22	0.000000	0.04	7695.54	854.90	0.00
Hempstead Lake	8211.84*	Max WS	313.52	13.93	26.22		26.22	0.000000	0.04	7755.22	861.80	0.00
Hempstead Lake	8198.20*	Max WS	313.35	13.91	26.22		26.22	0.000000	0.04	7818.61	867.05	0.00
Hempstead Lake	8184.57*	Max WS	313.51	13.89	26.22		26.22	0.000000	0.04	7879.72	872.07	0.00
Hempstead Lake	8170.93*	Max WS	313.35	13.87	26.22		26.22	0.000000	0.04	7943.21	877.06	0.00
Hempstead Lake	8157.30*	Max WS	313.35	13.85	26.22		26.22	0.000000	0.04	8005.86	882.16	0.00
Hempstead Lake	8143.67*	Max WS	313.35	13.82	26.22		26.22	0.000000	0.04	8072.19	887.33	0.00
Hempstead Lake	8130.03*	Max WS	313.35	13.80	26.22		26.22	0.000000	0.04	8136.33	892.51	0.00
Hempstead Lake	8116.40*	Max WS	313.35	13.78	26.22		26.22	0.000000	0.04	8204.11	897.95	0.00
Hempstead Lake	8102.76*	Max WS	313.51	13.76	26.22		26.22	0.000000	0.04	8269.81	903.28	0.00
Hempstead Lake	8089.13*	Max WS	313.50	13.74	26.22		26.22	0.000000	0.04	8336.02	908.64	0.00
Hempstead Lake	8075.50*	Max WS	313.50	13.72	26.22		26.22	0.000000	0.04	8404.95	914.14	0.00
Hempstead Lake	8061.86*	Max WS	313.50	13.70	26.22		26.22	0.000000	0.04	8473.44	919.71	0.00
Hempstead Lake	8048.23*	Max WS	313.50	13.68	26.22		26.22	0.000000	0.04	8543.45	925.19	0.00
Hempstead Lake	8034.6*	Max WS	313.35	13.65	26.22		26.22	0.000000	0.04	8614.40	930.85	0.00
Hempstead Lake	8020.96*	Max WS	313.50	13.63	26.22		26.22	0.000000	0.04	8688.34	936.73	0.00
Hempstead Lake	8007.33*	Max WS	313.35	13.61	26.22		26.22	0.000000	0.04	8759.93	942.56	0.00
Hempstead Lake	7993.69*	Max WS	313.35	13.59	26.22		26.22	0.000000	0.04	8834.03	948.50	0.00
Hempstead Lake	7980.06*	Max WS	313.49	13.57	26.22		26.22	0.000000	0.04	8907.30	954.56	0.00
Hempstead Lake	7966.43*	Max WS	313.49	13.55	26.22		26.22	0.000000	0.03	8983.25	960.60	0.00
Hempstead Lake	7952.79*	Max WS	313.35	13.53	26.22		26.22	0.000000	0.03	9059.68	966.84	0.00
Hempstead Lake	7939.16*	Max WS	313.34	13.51	26.22		26.22	0.000000	0.03	9136.49	973.01	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7925.53*	Max WS	313.34	13.48	26.22		26.22	0.000000	0.03	9215.88	979.45	0.00
Hempstead Lake	7911.89*	Max WS	313.34	13.46	26.22		26.22	0.000000	0.03	9294.98	986.00	0.00
Hempstead Lake	7898.26*	Max WS	313.48	13.44	26.22		26.22	0.000000	0.03	9376.40	992.56	0.00
Hempstead Lake	7884.62*	Max WS	313.34	13.42	26.22		26.22	0.000000	0.03	9456.85	998.87	0.00
Hempstead Lake	7870.99*	Max WS	313.48	13.40	26.22		26.22	0.000000	0.03	9539.74	1005.26	0.00
Hempstead Lake	7857.36*	Max WS	313.48	13.38	26.22		26.22	0.000000	0.03	9622.11	1011.76	0.00
Hempstead Lake	7843.72*	Max WS	313.34	13.36	26.22		26.22	0.000000	0.03	9709.14	1016.73	0.00
Hempstead Lake	7830.09*	Max WS	313.48	13.34	26.22		26.22	0.000000	0.03	9793.65	1021.16	0.00
Hempstead Lake	7816.45*	Max WS	313.47	13.31	26.22		26.22	0.000000	0.03	9880.61	1024.70	0.00
Hempstead Lake	7802.82*	Max WS	313.47	13.29	26.22		26.22	0.000000	0.03	9966.42	1028.20	0.00
Hempstead Lake	7789.19*	Max WS	313.34	13.27	26.22		26.22	0.000000	0.03	10053.96	1031.64	0.00
Hempstead Lake	7775.55*	Max WS	313.34	13.25	26.22		26.22	0.000000	0.03	10140.78	1034.93	0.00
Hempstead Lake	7761.92*	Max WS	313.34	13.23	26.22		26.22	0.000000	0.03	10229.60	1038.30	0.00
Hempstead Lake	7748.29*	Max WS	313.47	13.21	26.22		26.22	0.000000	0.03	10319.35	1041.64	0.00
Hempstead Lake	7734.65*	Max WS	313.47	13.19	26.22		26.22	0.000000	0.03	10407.03	1044.92	0.00
Hempstead Lake	7721.02*	Max WS	313.46	13.17	26.22		26.22	0.000000	0.03	10497.73	1048.14	0.00
Hempstead Lake	7707.38*	Max WS	313.46	13.14	26.22		26.22	0.000000	0.03	10587.22	1051.22	0.00
Hempstead Lake	7693.75*	Max WS	313.46	13.12	26.22		26.22	0.000000	0.03	10677.52	1054.38	0.00
Hempstead Lake	7680.12*	Max WS	313.46	13.10	26.22		26.22	0.000000	0.03	10768.71	1057.52	0.00
Hempstead Lake	7666.48*	Max WS	313.46	13.08	26.22		26.22	0.000000	0.03	10862.08	1060.64	0.00
Hempstead Lake	7652.85*	Max WS	313.34	13.06	26.22		26.22	0.000000	0.03	10951.83	1063.73	0.00
Hempstead Lake	7639.22*	Max WS	313.34	13.04	26.22		26.22	0.000000	0.03	11045.02	1066.73	0.00
Hempstead Lake	7625.58*	Max WS	313.45	13.02	26.22		26.22	0.000000	0.03	11136.88	1069.79	0.00
Hempstead Lake	7611.95*	Max WS	313.33	13.00	26.22		26.22	0.000000	0.03	11228.75	1072.85	0.00
Hempstead Lake	7598.31*	Max WS	313.45	12.97	26.22		26.22	0.000000	0.03	11323.03	1075.90	0.00
Hempstead Lake	7584.68*	Max WS	313.33	12.95	26.22		26.22	0.000000	0.03	11417.36	1078.93	0.00
Hempstead Lake	7571.05*	Max WS	313.44	12.93	26.22		26.22	0.000000	0.03	11512.80	1081.88	0.00
Hempstead Lake	7557.41*	Max WS	313.33	12.91	26.22		26.22	0.000000	0.03	11606.75	1084.89	0.00
Hempstead Lake	7543.783	Max WS	313.33	12.89	26.22		26.22	0.000000	0.03	11701.40	1087.90	0.00
Hempstead Lake	7530.03*	Max WS	323.44	12.85	26.22		26.22	0.000000	0.03	11739.97	1090.24	0.00
Hempstead Lake	7516.28*	Max WS	323.44	12.82	26.22		26.22	0.000000	0.03	11779.04	1092.70	0.00
Hempstead Lake	7502.53*	Max WS	323.44	12.78	26.22		26.22	0.000000	0.03	11818.46	1095.24	0.00
Hempstead Lake	7488.79*	Max WS	323.43	12.74	26.22		26.22	0.000000	0.03	11860.19	1097.74	0.00
Hempstead Lake	7475.04*	Max WS	323.43	12.71	26.22		26.22	0.000000	0.03	11899.89	1100.45	0.00
Hempstead Lake	7461.29*	Max WS	323.43	12.67	26.22		26.22	0.000000	0.03	11941.68	1103.09	0.00
Hempstead Lake	7447.54*	Max WS	323.33	12.63	26.22		26.22	0.000000	0.03	11986.60	1105.12	0.00
Hempstead Lake	7433.79*	Max WS	323.33	12.60	26.22		26.22	0.000000	0.03	12029.07	1106.72	0.00
Hempstead Lake	7420.04*	Max WS	323.43	12.56	26.22		26.22	0.000000	0.03	12072.05	1108.14	0.00
Hempstead Lake	7406.3*	Max WS	323.42	12.52	26.22		26.22	0.000000	0.03	12117.18	1109.47	0.00
Hempstead Lake	7392.55*	Max WS	323.42	12.49	26.22		26.22	0.000000	0.03	12161.69	1110.61	0.00
Hempstead Lake	7378.80*	Max WS	323.42	12.45	26.22		26.22	0.000000	0.03	12205.14	1111.62	0.00
Hempstead Lake	7365.05*	Max WS	323.32	12.41	26.22		26.22	0.000000	0.03	12250.98	1113.34	0.00
Hempstead Lake	7351.30*	Max WS	323.42	12.38	26.22		26.22	0.000000	0.03	12297.49	1114.86	0.00
Hempstead Lake	7337.55*	Max WS	323.32	12.34	26.22		26.22	0.000000	0.03	12343.26	1116.38	0.00
Hempstead Lake	7323.81*	Max WS	323.32	12.30	26.22		26.22	0.000000	0.03	12390.97	1118.14	0.00
Hempstead Lake	7310.06*	Max WS	323.41	12.26	26.22		26.22	0.000000	0.03	12437.92	1119.73	0.00
Hempstead Lake	7296.31*	Max WS	323.32	12.23	26.22		26.22	0.000000	0.03	12486.95	1121.32	0.00
Hempstead Lake	7282.56*	Max WS	323.32	12.19	26.22		26.22	0.000000	0.03	12535.73	1122.98	0.00
Hempstead Lake	7268.81*	Max WS	323.41	12.15	26.22		26.22	0.000000	0.03	12584.22	1124.51	0.00
Hempstead Lake	7255.06*	Max WS	323.32	12.12	26.22		26.22	0.000000	0.03	12633.73	1126.02	0.00
Hempstead Lake	7241.32*	Max WS	323.32	12.08	26.22		26.22	0.000000	0.03	12682.24	1127.36	0.00
Hempstead Lake	7227.57*	Max WS	323.32	12.04	26.22		26.22	0.000000	0.03	12734.66	1128.26	0.00
Hempstead Lake	7213.82*	Max WS	323.32	12.01	26.22		26.22	0.000000	0.03	12785.64	1129.21	0.00
Hempstead Lake	7200.07*	Max WS	323.32	11.97	26.22		26.22	0.000000	0.03	12835.89	1129.81	0.00
Hempstead Lake	7186.32*	Max WS	323.32	11.93	26.22		26.22	0.000000	0.03	12889.85	1130.36	0.00
Hempstead Lake	7172.57*	Max WS	323.40	11.90	26.22		26.22	0.000000	0.02	12942.86	1130.99	0.00
Hempstead Lake	7158.83*	Max WS	323.40	11.86	26.22		26.22	0.000000	0.02	12994.86	1131.78	0.00
Hempstead Lake	7145.08*	Max WS	323.32	11.82	26.22		26.22	0.000000	0.02	13049.92	1132.53	0.00
Hempstead Lake	7131.33*	Max WS	323.32	11.79	26.22		26.22	0.000000	0.02	13103.72	1133.30	0.00
Hempstead Lake	7117.58*	Max WS	323.31	11.75	26.22		26.22	0.000000	0.02	13160.66	1134.25	0.00
Hempstead Lake	7103.83*	Max WS	323.31	11.71	26.22		26.22	0.000000	0.02	13215.53	1135.13	0.00
Hempstead Lake	7090.08*	Max WS	323.39	11.68	26.22		26.22	0.000000	0.02	13269.76	1136.05	0.00
Hempstead Lake	7076.34*	Max WS	323.31	11.64	26.22		26.22	0.000000	0.02	13328.34	1137.10	0.00
Hempstead Lake	7062.59*	Max WS	323.31	11.60	26.22		26.22	0.000000	0.02	13383.49	1138.09	0.00
Hempstead Lake	7048.84*	Max WS	323.38	11.57	26.22		26.22	0.000000	0.02	13440.49	1139.11	0.00
Hempstead Lake	7035.09*	Max WS	323.38	11.53	26.22		26.22	0.000000	0.02	13499.04	1140.18	0.00
Hempstead Lake	7021.34*	Max WS	323.31	11.49	26.22		26.22	0.000000	0.02	13555.73	1141.24	0.00
Hempstead Lake	7007.6*	Max WS	323.38	11.46	26.22		26.22	0.000000	0.02	13614.96	1142.38	0.00
Hempstead Lake	6993.85*	Max WS	323.31	11.42	26.22		26.22	0.000000	0.02	13672.16	1143.51	0.00
Hempstead Lake	6980.10*	Max WS	323.37	11.38	26.22		26.22	0.000000	0.02	13732.69	1144.66	0.00
Hempstead Lake	6966.35*	Max WS	323.37	11.35	26.22		26.22	0.000000	0.02	13792.72	1145.81	0.00
Hempstead Lake	6952.60*	Max WS	323.31	11.31	26.22		26.22	0.000000	0.02	13851.55	1146.93	0.00
Hempstead Lake	6938.85*	Max WS	323.31	11.27	26.22		26.22	0.000000	0.02	13911.93	1148.09	0.00
Hempstead Lake	6925.11*	Max WS	323.31	11.23	26.22		26.22	0.000000	0.02	13972.12	1149.33	0.00
Hempstead Lake	6911.36*	Max WS	323.31	11.20	26.22		26.22	0.000000	0.02	14033.65	1150.51	0.00
Hempstead Lake	6897.61*	Max WS	323.30	11.16	26.22		26.22	0.000000	0.02	14094.66	1151.74	0.00
Hempstead Lake	6883.86*	Max WS	323.36	11.12	26.22		26.22	0.000000	0.02	14156.03	1152.14	0.00
Hempstead Lake	6870.11*	Max WS	323.36	11.09	26.22		26.22	0.000000	0.02	14216.75	1152.54	0.00
Hempstead Lake	6856.36*	Max WS	323.36	11.05	26.22		26.22	0.000000	0.02	14278.70	1152.93	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6842.62*	Max WS	323.36	11.01	26.22		26.22	0.000000	0.02	14340.44	1150.08	0.00
Hempstead Lake	6828.87*	Max WS	323.35	10.98	26.22		26.22	0.000000	0.02	14402.22	1145.37	0.00
Hempstead Lake	6815.12*	Max WS	323.30	10.94	26.22		26.22	0.000000	0.02	14465.85	1140.64	0.00
Hempstead Lake	6801.37*	Max WS	323.35	10.90	26.22		26.22	0.000000	0.02	14530.05	1135.53	0.00
Hempstead Lake	6787.62*	Max WS	323.35	10.87	26.22		26.22	0.000000	0.02	14594.67	1130.75	0.00
Hempstead Lake	6773.87*	Max WS	323.30	10.83	26.22		26.22	0.000000	0.02	14659.42	1125.96	0.00
Hempstead Lake	6760.13*	Max WS	323.30	10.79	26.22		26.22	0.000000	0.02	14725.63	1126.40	0.00
Hempstead Lake	6746.38*	Max WS	323.34	10.76	26.22		26.22	0.000000	0.02	14789.77	1126.80	0.00
Hempstead Lake	6732.634	Max WS	323.34	10.72	26.22		26.22	0.000000	0.02	14856.15	1127.24	0.00
Hempstead Lake	6718.98*	Max WS	323.34	10.73	26.22		26.22	0.000000	0.02	14691.29	1125.45	0.00
Hempstead Lake	6705.33*	Max WS	323.30	10.74	26.22		26.22	0.000000	0.02	14527.16	1123.61	0.00
Hempstead Lake	6691.68*	Max WS	323.30	10.75	26.22		26.22	0.000000	0.02	14363.46	1121.72	0.00
Hempstead Lake	6678.03*	Max WS	323.30	10.76	26.22		26.22	0.000000	0.02	14201.68	1119.81	0.00
Hempstead Lake	6664.38*	Max WS	323.30	10.77	26.22		26.22	0.000000	0.02	14039.78	1117.82	0.00
Hempstead Lake	6650.72*	Max WS	323.33	10.78	26.22		26.22	0.000000	0.02	13878.92	1115.81	0.00
Hempstead Lake	6637.07*	Max WS	323.33	10.79	26.22		26.22	0.000000	0.02	13720.17	1113.15	0.00
Hempstead Lake	6623.42*	Max WS	323.29	10.80	26.22		26.22	0.000000	0.02	13561.05	1110.15	0.00
Hempstead Lake	6609.77*	Max WS	323.29	10.81	26.22		26.22	0.000000	0.02	13404.15	1107.68	0.00
Hempstead Lake	6596.12*	Max WS	323.29	10.82	26.22		26.22	0.000000	0.02	13246.91	1105.35	0.00
Hempstead Lake	6582.47*	Max WS	323.33	10.83	26.22		26.22	0.000000	0.02	13091.45	1103.09	0.00
Hempstead Lake	6568.82*	Max WS	323.29	10.84	26.22		26.22	0.000000	0.02	12938.16	1100.97	0.00
Hempstead Lake	6555.17*	Max WS	323.32	10.85	26.22		26.22	0.000000	0.03	12783.33	1098.89	0.00
Hempstead Lake	6541.52*	Max WS	323.32	10.86	26.22		26.22	0.000000	0.03	12632.14	1097.00	0.00
Hempstead Lake	6527.87*	Max WS	323.32	10.87	26.22		26.22	0.000000	0.03	12479.80	1095.24	0.00
Hempstead Lake	6514.22*	Max WS	323.29	10.88	26.22		26.22	0.000000	0.03	12327.15	1093.47	0.00
Hempstead Lake	6500.57*	Max WS	323.29	10.89	26.22		26.22	0.000000	0.03	12177.28	1091.78	0.00
Hempstead Lake	6486.91*	Max WS	323.29	10.91	26.22		26.22	0.000000	0.03	12026.59	1090.12	0.00
Hempstead Lake	6473.26*	Max WS	323.29	10.92	26.22		26.22	0.000000	0.03	11877.22	1088.45	0.00
Hempstead Lake	6459.61*	Max WS	323.29	10.93	26.22		26.22	0.000000	0.03	11729.22	1086.87	0.00
Hempstead Lake	6445.96*	Max WS	323.29	10.94	26.22		26.22	0.000000	0.03	11580.94	1085.30	0.00
Hempstead Lake	6432.31*	Max WS	323.31	10.95	26.22		26.22	0.000000	0.03	11434.75	1083.68	0.00
Hempstead Lake	6418.66*	Max WS	323.31	10.96	26.22		26.22	0.000000	0.03	11286.27	1082.11	0.00
Hempstead Lake	6405.01*	Max WS	323.31	10.97	26.22		26.22	0.000000	0.03	11140.19	1080.55	0.00
Hempstead Lake	6391.36*	Max WS	323.29	10.98	26.22		26.22	0.000000	0.03	10997.00	1078.88	0.00
Hempstead Lake	6377.71*	Max WS	323.29	10.99	26.22		26.22	0.000000	0.03	10850.94	1077.28	0.00
Hempstead Lake	6364.06*	Max WS	323.30	11.00	26.22		26.22	0.000000	0.03	10706.72	1075.62	0.00
Hempstead Lake	6350.41*	Max WS	323.29	11.01	26.22		26.22	0.000000	0.03	10565.04	1073.78	0.00
Hempstead Lake	6336.76*	Max WS	323.30	11.02	26.22		26.22	0.000000	0.03	10423.34	1071.95	0.00
Hempstead Lake	6323.11*	Max WS	323.28	11.03	26.22		26.22	0.000000	0.03	10282.59	1069.95	0.00
Hempstead Lake	6309.45*	Max WS	323.28	11.04	26.22		26.22	0.000000	0.03	10139.81	1067.58	0.00
Hempstead Lake	6295.80*	Max WS	323.29	11.05	26.22		26.22	0.000000	0.03	9998.77	1064.91	0.00
Hempstead Lake	6282.15*	Max WS	323.28	11.06	26.22		26.22	0.000000	0.03	9860.67	1061.33	0.00
Hempstead Lake	6268.507	Max WS	323.29	11.07	26.22		26.22	0.000000	0.03	9720.92	1056.53	0.00
Hempstead Lake	6259.72*	Max WS	323.28	11.10	26.22		26.22	0.000000	0.03	10444.84	1074.83	0.00
Hempstead Lake	6250.93*	Max WS	323.28	11.14	26.22		26.22	0.000000	0.03	11178.83	1093.68	0.00
Hempstead Lake	6242.14*	Max WS	323.29	11.17	26.22		26.22	0.000000	0.03	11934.36	1097.84	0.00
Hempstead Lake	6233.35*	Max WS	323.28	11.21	26.22		26.22	0.000000	0.03	12732.60	1086.07	0.00
Hempstead Lake	6224.57*	Max WS	323.28	11.24	26.22		26.22	0.000000	0.02	13594.22	1068.44	0.00
Hempstead Lake	6215.78*	Max WS	323.28	11.27	26.22		26.22	0.000000	0.02	14489.50	1100.37	0.00
Hempstead Lake	6206.99*	Max WS	323.28	11.31	26.22		26.22	0.000000	0.02	15373.87	1134.34	0.00
Hempstead Lake	6198.21*	Max WS	323.28	11.34	26.22		26.22	0.000000	0.02	16244.70	1169.67	0.00
Hempstead Lake	6189.42*	Max WS	323.28	11.38	26.22		26.22	0.000000	0.02	17106.16	1206.03	0.00
Hempstead Lake	6180.638	Max WS	323.28	11.41	26.22		26.22	0.000000	0.02	17951.52	1243.13	0.00
Hempstead Lake	6177.638	Max WS	323.28	11.00	26.22	11.13	26.22	0.000000	0.02	18432.13	1240.96	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	322.39	10.80	18.80		18.86	0.011549	1.96	164.61	194.27	0.37
Hempstead Lake	5930.638	Max WS	312.29	10.80	18.48		18.50	0.002896	1.15	271.53	250.05	0.19
Hempstead Lake	5880.638	Max WS	295.72	10.80	18.38		18.39	0.001486	0.97	305.69	222.16	0.15
Hempstead Lake	5830.638	Max WS	325.80	10.80	17.59		17.65	0.012733	1.86	174.94	237.97	0.38
Hempstead Lake	5780.638	Max WS	324.74	10.80	16.97		17.40	0.000729	5.26	61.70	10.00	0.37
Hempstead Lake	5730.638	Max WS	324.72	10.80	16.93		17.36	0.000741	5.30	61.28	10.00	0.38
Hempstead Lake	5680.638	Max WS	324.71	10.80	16.89		17.33	0.000755	5.34	60.86	10.00	0.38
Hempstead Lake	5630.638	Max WS	325.43	10.80	16.84		17.29	0.000772	5.39	60.42	10.00	0.39
Hempstead Lake	5580.638	Max WS	325.37	10.80	16.80		17.26	0.000787	5.42	59.98	10.00	0.39
Hempstead Lake	5530.638	Max WS	325.30	10.80	16.75		17.22	0.000803	5.46	59.52	10.00	0.39
Hempstead Lake	5480.638	Max WS	325.23	10.80	16.71		17.18	0.000819	5.51	59.06	10.00	0.40
Hempstead Lake	5430.638	Max WS	325.16	8.00	16.82		17.00	0.005618	3.35	97.07	11.00	0.20
Hempstead Lake	5380.638	Max WS	325.07	8.00	16.65		16.83	0.000944	3.41	95.19	11.00	0.20
Hempstead Lake	5330.638	Max WS	324.98	8.00	16.47		16.66	0.006229	3.49	93.13	11.00	0.21
Hempstead Lake	5307.48*	Max WS	324.95	7.93	16.25		16.48	0.008518	3.91	83.18	10.00	0.24
Hempstead Lake	5284.32*	Max WS	324.92	7.87	15.93		16.24	0.012424	4.48	72.55	9.00	0.28
Hempstead Lake	5261.17*	Max WS	312.03	7.80	15.45		15.86	0.018245	5.10	61.24	8.00	0.32
Hempstead Lake	5238.01*	Max WS	321.69	7.73	15.19		15.28	0.025636	2.46	130.78	177.86	0.51
Hempstead Lake	5214.85*	Max WS	321.24	7.67	14.92		14.94	0.004104	1.20	267.71	279.48	0.22
Hempstead Lake	5191.70*	Max WS	321.14	7.60	14.88		14.88	0.000520	0.61	525.23	323.52	0.08
Hempstead Lake	5168.54*	Max WS	321.12	7.54	14.87		14.87	0.000131	0.40	809.83	342.18	0.05
Hempstead Lake	5145.39*	Max WS	321.13	7.47	14.87		14.87	0.000049	0.29	1100.15	351.62	0.03
Hempstead Lake	5122.23*	Max WS	321.13	7.40	14.87		14.87	0.000023	0.23	1392.06	358.60	0.02
Hempstead Lake	5099.07*	Max WS	321.11	7.34	14.87		14.87	0.000012	0.19	1684.91	368.00	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	5075.922	Max WS	321.11	7.27	14.87		14.87	0.000001	0.16	1977.91	377.17	0.01
Hempstead Lake	5055.96*	Max WS	321.12	7.23	14.87		14.87	0.000006	0.16	1976.04	395.37	0.01
Hempstead Lake	5036.01*	Max WS	321.12	7.20	14.87		14.87	0.000005	0.16	2006.86	420.18	0.01
Hempstead Lake	5016.05*	Max WS	321.11	7.16	14.87		14.87	0.000004	0.15	2099.46	505.34	0.01
Hempstead Lake	4996.10*	Max WS	321.13	7.12	14.87		14.87	0.000002	0.13	2395.84	589.82	0.01
Hempstead Lake	4976.14*	Max WS	321.12	7.09	14.87		14.87	0.000001	0.12	2735.17	597.11	0.01
Hempstead Lake	4956.192	Max WS	321.12	7.05	14.87		14.87	0.000000	0.10	3096.70	599.21	0.01
Hempstead Lake	4936.44*	Max WS	321.12	7.02	14.87		14.87	0.000001	0.10	3261.35	617.43	0.01
Hempstead Lake	4916.69*	Max WS	321.12	6.98	14.87		14.87	0.000001	0.09	3459.22	660.70	0.01
Hempstead Lake	4896.94*	Max WS	321.11	6.95	14.87		14.87	0.000001	0.09	3722.92	705.83	0.01
Hempstead Lake	4877.19*	Max WS	321.13	6.91	14.87		14.87	0.000001	0.08	4045.90	759.19	0.01
Hempstead Lake	4857.44*	Max WS	321.13	6.88	14.87		14.87	0.000001	0.07	4416.48	800.42	0.01
Hempstead Lake	4837.697	Max WS	321.12	6.84	14.87		14.87	0.000000	0.07	4819.99	824.29	0.00
Hempstead Lake	4817.64*	Max WS	323.11	6.81	14.87		14.87	0.000001	0.07	4882.60	820.31	0.00
Hempstead Lake	4797.59*	Max WS	323.12	6.77	14.87		14.87	0.000001	0.07	4946.91	816.36	0.00
Hempstead Lake	4777.53*	Max WS	323.12	6.67	14.87		14.87	0.000001	0.06	5013.61	813.65	0.00
Hempstead Lake	4757.48*	Max WS	323.13	6.58	14.87		14.87	0.000001	0.06	5080.58	812.04	0.00
Hempstead Lake	4737.42*	Max WS	323.12	6.49	14.87		14.87	0.000001	0.06	5149.63	811.22	0.00
Hempstead Lake	4717.37*	Max WS	323.12	6.40	14.87		14.87	0.000001	0.06	5219.43	811.23	0.00
Hempstead Lake	4697.32*	Max WS	323.11	6.30	14.87		14.87	0.000001	0.06	5293.21	812.22	0.00
Hempstead Lake	4677.26*	Max WS	323.11	6.21	14.87		14.87	0.000001	0.06	5368.36	814.43	0.00
Hempstead Lake	4657.21*	Max WS	323.12	6.12	14.87		14.87	0.000001	0.06	5446.15	814.94	0.00
Hempstead Lake	4637.16*	Max WS	323.12	6.02	14.87		14.87	0.000001	0.06	5525.42	815.76	0.00
Hempstead Lake	4617.10*	Max WS	323.12	5.91	14.87		14.87	0.000001	0.06	5606.86	816.55	0.00
Hempstead Lake	4597.05*	Max WS	323.12	5.76	14.87		14.87	0.000001	0.06	5688.39	817.05	0.00
Hempstead Lake	4577.*	Max WS	323.13	5.60	14.87		14.87	0.000001	0.06	5772.59	817.33	0.00
Hempstead Lake	4556.94*	Max WS	323.11	5.45	14.87		14.87	0.000001	0.06	5857.95	817.44	0.00
Hempstead Lake	4536.893	Max WS	323.11	5.30	14.87		14.87	0.000000	0.05	5944.01	817.35	0.00
Hempstead Lake	4516.70*	Max WS	325.12	5.16	14.87		14.87	0.000001	0.05	5989.40	817.07	0.00
Hempstead Lake	4496.51*	Max WS	325.11	5.02	14.87		14.87	0.000000	0.05	6041.20	817.72	0.00
Hempstead Lake	4476.32*	Max WS	325.11	4.88	14.87		14.87	0.000000	0.05	6100.23	819.63	0.00
Hempstead Lake	4456.14*	Max WS	325.12	4.74	14.87		14.87	0.000000	0.05	6166.52	827.12	0.00
Hempstead Lake	4435.95*	Max WS	325.12	4.60	14.87		14.87	0.000000	0.05	6244.28	834.28	0.00
Hempstead Lake	4415.76*	Max WS	325.12	4.46	14.87		14.87	0.000000	0.05	6330.63	838.46	0.00
Hempstead Lake	4395.57*	Max WS	325.12	4.32	14.87		14.87	0.000000	0.05	6423.54	839.29	0.00
Hempstead Lake	4375.38*	Max WS	325.12	4.18	14.87		14.87	0.000000	0.05	6522.08	839.97	0.00
Hempstead Lake	4355.20*	Max WS	325.11	4.04	14.87		14.87	0.000000	0.05	6627.15	840.50	0.00
Hempstead Lake	4335.01*	Max WS	325.12	3.90	14.87		14.87	0.000000	0.05	6737.32	840.46	0.00
Hempstead Lake	4314.82*	Max WS	325.12	3.76	14.87		14.87	0.000000	0.05	6853.84	840.25	0.00
Hempstead Lake	4294.63*	Max WS	325.11	3.62	14.87		14.87	0.000000	0.05	6974.92	840.01	0.00
Hempstead Lake	4274.44*	Max WS	325.11	3.48	14.87		14.87	0.000000	0.05	7100.43	839.56	0.00
Hempstead Lake	4254.26*	Max WS	325.12	3.34	14.87		14.87	0.000000	0.04	7231.88	838.98	0.00
Hempstead Lake	4234.07*	Max WS	325.11	3.20	14.87		14.87	0.000000	0.04	7368.71	838.34	0.00
Hempstead Lake	4213.88*	Max WS	325.11	3.06	14.87		14.87	0.000000	0.04	7511.03	837.53	0.00
Hempstead Lake	4193.69*	Max WS	325.11	2.92	14.87		14.87	0.000000	0.04	7657.19	836.67	0.00
Hempstead Lake	4173.50*	Max WS	325.11	2.78	14.87		14.87	0.000000	0.04	7809.26	835.66	0.00
Hempstead Lake	4153.320	Max WS	325.11	2.64	14.87		14.87	0.000000	0.04	7965.82	834.65	0.00
Hempstead Lake	4131.85*	Max WS	327.11	2.69	14.87		14.87	0.000000	0.04	7899.41	832.80	0.00
Hempstead Lake	4110.38*	Max WS	327.11	2.75	14.87		14.87	0.000000	0.04	7837.02	830.67	0.00
Hempstead Lake	4088.91*	Max WS	327.11	2.80	14.87		14.87	0.000000	0.04	7782.80	828.11	0.00
Hempstead Lake	4067.44*	Max WS	327.11	2.86	14.87		14.87	0.000000	0.04	7731.52	825.07	0.00
Hempstead Lake	4045.97*	Max WS	327.11	2.91	14.87		14.87	0.000000	0.04	7689.30	821.37	0.00
Hempstead Lake	4024.50*	Max WS	327.11	2.97	14.87		14.87	0.000000	0.04	7650.85	816.71	0.00
Hempstead Lake	4003.034	Max WS	327.11	3.02	14.87		14.87	0.000000	0.04	7622.02	810.91	0.00
Hempstead Lake	4002		Lat Struct									
Hempstead Lake	3984.01*	Max WS	314.11	3.78	14.87		14.87	0.000000	0.05	6671.69	793.94	0.00
Hempstead Lake	3964.99*	Max WS	314.11	4.54	14.87		14.87	0.000000	0.06	5742.50	777.05	0.00
Hempstead Lake	3945.97*	Max WS	314.11	5.30	14.87		14.87	0.000001	0.07	4833.35	759.71	0.00
Hempstead Lake	3926.95*	Max WS	314.11	6.06	14.87		14.87	0.000002	0.08	3946.03	741.41	0.01
Hempstead Lake	3907.93*	Max WS	314.11	6.82	14.87		14.87	0.000004	0.10	3080.92	720.36	0.01
Hempstead Lake	3888.916	Max WS	316.11	7.58	14.87		14.87	0.000002	0.21	1503.57	696.04	0.02
Hempstead Lake	3883.916	Max WS	316.11	7.20	14.87	8.32	14.87	0.000003	0.27	1155.18	694.07	0.02
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	316.09	7.19	12.05		12.14	0.000409	2.41	130.92	223.95	0.22
Hempstead Lake	3858.916	Max WS	316.09	7.17	12.09		12.10	0.000022	0.50	630.03	224.23	0.05
Hempstead Lake	3826.579	Max WS	316.09	6.10	12.05		12.12	0.000260	2.06	153.25	107.74	0.17
Hempstead Lake	3821.579	Max WS	316.09	6.02	11.82		12.15	0.000851	4.61	68.51	73.31	0.34
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	316.09	5.94	10.84		11.10	0.000916	4.02	78.72	26.47	0.33
Hempstead Lake	3736.579	Max WS	316.09	5.88	10.94		11.09	0.000786	3.12	101.42	32.80	0.28
Hempstead Lake	3699.46*	Max WS	316.09	5.83	10.93		11.06	0.001052	2.90	109.00	40.13	0.31
Hempstead Lake	3662.35*	Max WS	316.08	5.78	10.90		11.01	0.001158	2.70	117.27	47.83	0.30
Hempstead Lake	3625.24*	Max WS	316.08	5.74	10.87		10.95	0.002895	2.31	136.70	137.85	0.41
Hempstead Lake	3588.13*	Max WS	316.08	5.69	10.85		10.88	0.001011	1.42	221.82	193.78	0.23
Hempstead Lake	3551.028	Max WS	316.08	5.64	10.85		10.86	0.000216	0.95	334.26	258.89	0.15
Hempstead Lake	3531.67*	Max WS	316.08	5.61	10.84		10.85	0.000457	0.99	318.23	235.18	0.15
Hempstead Lake	3512.33*	Max WS	316.08	5.58	10.83		10.85	0.000436	1.03	307.05	217.43	0.15
Hempstead Lake	3492.98*	Max WS	316.08	5.55	10.82		10.84	0.000414	1.06	298.17	203.91	0.15
Hempstead Lake	3473.63*	Max WS	316.08	5.52	10.81		10.83	0.000387	1.08	291.97	193.73	0.16

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3454.28*	Max WS	316.08	5.49	10.80		10.82	0.000358	1.10	286.83	185.45	0.16
Hempstead Lake	3434.93*	Max WS	316.08	5.46	10.80		10.82	0.000307	1.12	283.35	178.41	0.16
Hempstead Lake	3415.58*	Max WS	316.08	5.43	10.79		10.81	0.000277	1.13	280.03	172.13	0.16
Hempstead Lake	3396.239	Max WS	316.07	5.40	10.79		10.81	0.000251	1.14	276.28	167.05	0.16
Hempstead Lake	3376.88*	Max WS	316.08	5.37	10.78		10.80	0.000243	1.12	281.25	167.63	0.15
Hempstead Lake	3357.52*	Max WS	316.08	5.34	10.78		10.80	0.000247	1.11	284.04	168.58	0.15
Hempstead Lake	3338.16*	Max WS	316.08	5.32	10.77		10.79	0.000251	1.10	286.83	169.12	0.15
Hempstead Lake	3318.80*	Max WS	316.08	5.29	10.77		10.79	0.000254	1.09	290.13	169.86	0.15
Hempstead Lake	3299.44*	Max WS	316.08	5.26	10.76		10.78	0.000259	1.08	292.56	170.32	0.15
Hempstead Lake	3280.08*	Max WS	316.08	5.23	10.76		10.78	0.000263	1.07	295.40	171.09	0.14
Hempstead Lake	3260.73*	Max WS	316.07	5.21	10.75		10.77	0.000268	1.06	297.96	171.48	0.14
Hempstead Lake	3241.37*	Max WS	316.07	5.18	10.75		10.77	0.000259	1.05	300.64	171.83	0.14
Hempstead Lake	3222.01*	Max WS	316.07	5.15	10.74		10.76	0.000264	1.04	303.54	172.47	0.14
Hempstead Lake	3202.65*	Max WS	316.07	5.12	10.74		10.76	0.000270	1.03	306.08	172.73	0.14
Hempstead Lake	3183.29*	Max WS	316.07	5.10	10.73		10.75	0.000277	1.03	308.25	173.04	0.14
Hempstead Lake	3163.93*	Max WS	316.07	5.07	10.73		10.75	0.000283	1.02	310.65	173.21	0.13
Hempstead Lake	3144.581	Max WS	316.07	5.04	10.73		10.74	0.000172	1.01	313.27	173.56	0.13
Hempstead Lake	3124.73*	Max WS	316.07	5.01	10.72		10.74	0.000190	1.00	316.46	174.51	0.13
Hempstead Lake	3104.89*	Max WS	316.07	4.98	10.72		10.73	0.000184	0.99	319.91	175.60	0.13
Hempstead Lake	3085.04*	Max WS	316.07	4.95	10.72		10.73	0.000178	0.98	323.87	176.78	0.13
Hempstead Lake	3065.2*	Max WS	316.07	4.92	10.71		10.73	0.000173	0.97	327.37	177.58	0.13
Hempstead Lake	3045.35*	Max WS	316.07	4.88	10.71		10.72	0.000157	0.95	331.69	178.89	0.12
Hempstead Lake	3025.51*	Max WS	316.07	4.85	10.71		10.72	0.000152	0.94	336.15	180.00	0.12
Hempstead Lake	3005.66*	Max WS	316.05	4.82	10.70		10.72	0.000146	0.93	340.88	181.16	0.12
Hempstead Lake	2985.81*	Max WS	316.05	4.79	10.70		10.71	0.000132	0.92	345.04	181.97	0.12
Hempstead Lake	2965.974	Max WS	316.05	4.76	10.70		10.71	0.000128	0.90	349.58	183.08	0.12
Hempstead Lake	2951.87*	Max WS	316.05	4.74	10.70		10.71	0.000193	0.90	350.01	185.59	0.12
Hempstead Lake	2937.77*	Max WS	316.05	4.72	10.69		10.71	0.000194	0.90	350.63	188.27	0.12
Hempstead Lake	2923.67*	Max WS	316.05	4.70	10.69		10.70	0.000195	0.90	351.17	190.75	0.12
Hempstead Lake	2909.57*	Max WS	316.05	4.68	10.69		10.70	0.000194	0.90	351.71	193.49	0.12
Hempstead Lake	2895.47*	Max WS	316.05	4.66	10.69		10.70	0.000195	0.90	351.63	195.99	0.12
Hempstead Lake	2881.37*	Max WS	316.05	4.64	10.68		10.70	0.000195	0.90	351.97	198.82	0.12
Hempstead Lake	2867.27*	Max WS	316.05	4.62	10.68		10.69	0.000196	0.90	352.72	201.44	0.12
Hempstead Lake	2853.17*	Max WS	316.05	4.61	10.68		10.69	0.000195	0.90	353.05	204.36	0.12
Hempstead Lake	2839.07*	Max WS	316.05	4.59	10.68		10.69	0.000195	0.90	352.95	206.99	0.12
Hempstead Lake	2824.98*	Max WS	316.05	4.57	10.67		10.69	0.000194	0.89	353.57	210.01	0.12
Hempstead Lake	2810.88*	Max WS	316.05	4.55	10.67		10.68	0.000193	0.89	353.42	212.78	0.12
Hempstead Lake	2796.78*	Max WS	316.05	4.53	10.67		10.68	0.000194	0.89	353.64	215.84	0.12
Hempstead Lake	2782.68*	Max WS	316.05	4.51	10.66		10.68	0.000192	0.89	354.07	218.69	0.12
Hempstead Lake	2768.58*	Max WS	316.05	4.49	10.66		10.67	0.000190	0.89	354.49	221.92	0.12
Hempstead Lake	2754.48*	Max WS	316.05	4.47	10.66		10.67	0.000187	0.89	354.28	224.82	0.13
Hempstead Lake	2740.38*	Max WS	316.05	4.45	10.66		10.67	0.000185	0.89	354.48	228.17	0.13
Hempstead Lake	2726.28*	Max WS	316.04	4.43	10.65		10.67	0.000185	0.89	355.05	231.26	0.13
Hempstead Lake	2712.18*	Max WS	316.04	4.41	10.65		10.66	0.000182	0.89	355.51	235.02	0.13
Hempstead Lake	2698.08*	Max WS	316.04	4.39	10.65		10.66	0.000178	0.89	355.21	238.16	0.13
Hempstead Lake	2683.98*	Max WS	316.04	4.37	10.65		10.66	0.000174	0.89	355.63	241.52	0.13
Hempstead Lake	2669.88*	Max WS	316.04	4.35	10.64		10.66	0.000170	0.89	356.40	245.55	0.13
Hempstead Lake	2655.78*	Max WS	316.04	4.34	10.64		10.65	0.000169	0.89	356.12	248.62	0.13
Hempstead Lake	2641.68*	Max WS	316.04	4.32	10.64		10.65	0.000165	0.89	356.58	252.58	0.13
Hempstead Lake	2627.58*	Max WS	316.04	4.30	10.64		10.65	0.000159	0.88	357.40	256.32	0.13
Hempstead Lake	2613.48*	Max WS	316.02	4.28	10.64		10.65	0.000154	0.88	357.39	260.55	0.13
Hempstead Lake	2599.38*	Max WS	316.02	4.26	10.63		10.65	0.000148	0.88	358.11	264.65	0.13
Hempstead Lake	2585.29*	Max WS	316.02	4.24	10.63		10.64	0.000147	0.88	358.90	269.04	0.13
Hempstead Lake	2571.19*	Max WS	316.04	4.22	10.63		10.64	0.000140	0.88	359.95	273.98	0.13
Hempstead Lake	2557.091	Max WS	315.86	4.20	10.61		10.64	0.000345	1.24	254.65	275.12	0.18
Hempstead Lake	2552.091	Max WS	315.65	4.09	10.46		10.69	0.001113	3.81	82.91	54.44	0.29
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	111.97	4.09	10.24		10.27	0.000130	1.29	86.82	37.84	0.10
Hempstead Lake	2487.091	Max WS	113.34	4.60	10.26		10.26	0.000031	0.30	382.11	323.05	0.04
Hempstead Lake	2477.12*	Max WS	113.34	4.58	10.26		10.26	0.000025	0.30	380.89	318.58	0.04
Hempstead Lake	2467.14*	Max WS	112.96	4.57	10.26		10.26	0.000027	0.30	379.86	313.98	0.04
Hempstead Lake	2457.17*	Max WS	112.96	4.55	10.25		10.26	0.000031	0.30	376.78	309.55	0.04
Hempstead Lake	2447.20*	Max WS	112.95	4.53	10.25		10.26	0.000035	0.30	374.68	305.01	0.04
Hempstead Lake	2437.23*	Max WS	112.95	4.51	10.25		10.26	0.000063	0.30	372.49	300.78	0.04
Hempstead Lake	2427.26*	Max WS	112.95	4.50	10.25		10.25	0.000064	0.31	369.27	296.28	0.04
Hempstead Lake	2417.29*	Max WS	112.94	4.48	10.25		10.25	0.000065	0.31	366.21	291.99	0.05
Hempstead Lake	2407.32*	Max WS	112.94	4.46	10.25		10.25	0.000047	0.31	363.72	287.84	0.05
Hempstead Lake	2397.35*	Max WS	112.94	4.44	10.25		10.25	0.000047	0.31	359.81	283.13	0.05
Hempstead Lake	2387.37*	Max WS	112.94	4.43	10.25		10.25	0.000047	0.32	357.17	278.85	0.05
Hempstead Lake	2377.40*	Max WS	112.93	4.41	10.25		10.25	0.000045	0.32	354.53	260.16	0.05
Hempstead Lake	2367.43*	Max WS	112.93	4.39	10.25		10.25	0.000045	0.32	351.62	252.09	0.05
Hempstead Lake	2357.46*	Max WS	112.93	4.37	10.25		10.25	0.000043	0.32	350.25	246.19	0.05
Hempstead Lake	2347.49*	Max WS	112.93	4.36	10.25		10.25	0.000040	0.32	348.81	240.92	0.04
Hempstead Lake	2337.52*	Max WS	112.93	4.34	10.25		10.25	0.000040	0.32	347.56	236.93	0.04
Hempstead Lake	2327.55*	Max WS	112.93	4.32	10.25		10.25	0.000039	0.33	347.46	233.26	0.04
Hempstead Lake	2317.58*	Max WS	112.93	4.30	10.25		10.25	0.000039	0.32	348.55	231.61	0.04
Hempstead Lake	2307.60*	Max WS	112.93	4.29	10.25		10.25	0.000037	0.32	349.99	230.70	0.04
Hempstead Lake	2297.63*	Max WS	112.93	4.27	10.25		10.25	0.000035	0.32	353.15	238.76	0.04
Hempstead Lake	2287.66*	Max WS	112.57	4.25	10.25		10.25	0.000031	0.32	357.05	266.29	0.04

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2277.69*	Max WS	112.57	4.23	10.25		10.25	0.000027	0.31	363.00	291.02	0.04
Hempstead Lake	2267.72*	Max WS	112.56	4.22	10.25		10.25	0.000023	0.30	370.59	316.29	0.04
Hempstead Lake	2257.752	Max WS	112.56	4.20	10.25		10.25	0.000022	0.30	380.51	341.47	0.04
Hempstead Lake	2252.75*	Max WS	112.56	4.10	10.24		10.25	0.000080	0.41	272.03	332.81	0.05
Hempstead Lake	2247.752	Max WS	110.77	4.00	10.24		10.25	0.000040	0.86	128.63	318.08	0.07
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	99.38	3.80	10.17		10.18	0.000015	0.44	227.29	62.75	0.04
Hempstead Lake	2192.75*	Max WS	99.72	3.75	10.18		10.18	0.000010	0.29	345.35	121.22	0.03
Hempstead Lake	2187.752	Max WS	99.72	3.70	10.18		10.18	0.000006	0.26	498.77	238.73	0.03
Hempstead Lake	2178.63*	Max WS	99.72	3.72	10.18		10.18	0.000007	0.28	456.71	229.57	0.03
Hempstead Lake	2169.52*	Max WS	99.72	3.74	10.18		10.18	0.000008	0.29	416.32	220.23	0.03
Hempstead Lake	2160.40*	Max WS	99.72	3.76	10.18		10.18	0.000008	0.30	378.56	210.69	0.03
Hempstead Lake	2151.29*	Max WS	99.72	3.78	10.18		10.18	0.000009	0.31	342.91	200.91	0.03
Hempstead Lake	2142.17*	Max WS	99.37	3.80	10.18		10.18	0.000009	0.32	316.18	135.75	0.03
Hempstead Lake	2133.05*	Max WS	99.37	3.82	10.18		10.18	0.000009	0.32	307.50	93.10	0.03
Hempstead Lake	2123.94*	Max WS	99.37	3.83	10.17		10.18	0.000010	0.33	301.79	91.20	0.03
Hempstead Lake	2114.82*	Max WS	99.37	3.85	10.17		10.18	0.000010	0.34	295.69	89.48	0.03
Hempstead Lake	2105.71*	Max WS	99.37	3.87	10.17		10.18	0.000010	0.34	290.03	87.93	0.03
Hempstead Lake	2096.59*	Max WS	99.37	3.89	10.17		10.18	0.000011	0.35	283.80	86.45	0.03
Hempstead Lake	2087.48*	Max WS	99.37	3.91	10.17		10.18	0.000011	0.36	277.86	85.07	0.03
Hempstead Lake	2078.36*	Max WS	99.37	3.93	10.17		10.18	0.000012	0.37	271.48	83.61	0.04
Hempstead Lake	2069.25*	Max WS	99.37	3.95	10.17		10.18	0.000012	0.37	265.73	81.36	0.04
Hempstead Lake	2060.13*	Max WS	99.37	3.97	10.17		10.18	0.000013	0.38	259.85	79.20	0.04
Hempstead Lake	2051.01*	Max WS	99.37	3.99	10.17		10.18	0.000013	0.39	254.59	77.21	0.04
Hempstead Lake	2041.90*	Max WS	99.37	4.01	10.17		10.18	0.000014	0.40	249.13	75.25	0.04
Hempstead Lake	2032.78*	Max WS	99.02	4.03	10.17		10.18	0.000014	0.41	244.30	73.47	0.04
Hempstead Lake	2023.67*	Max WS	99.02	4.05	10.17		10.18	0.000015	0.41	239.37	71.75	0.04
Hempstead Lake	2014.55*	Max WS	99.02	4.07	10.17		10.18	0.000015	0.42	234.87	70.16	0.04
Hempstead Lake	2005.44*	Max WS	99.02	4.08	10.17		10.17	0.000016	0.43	230.14	68.55	0.04
Hempstead Lake	1996.32*	Max WS	99.02	4.10	10.17		10.17	0.000016	0.44	225.95	67.09	0.04
Hempstead Lake	1987.20*	Max WS	99.02	4.12	10.17		10.17	0.000017	0.45	221.53	65.67	0.04
Hempstead Lake	1978.09*	Max WS	99.02	4.14	10.17		10.17	0.000018	0.46	217.50	64.34	0.04
Hempstead Lake	1968.97*	Max WS	99.02	4.16	10.17		10.17	0.000018	0.46	213.20	62.99	0.04
Hempstead Lake	1959.86*	Max WS	99.02	4.18	10.17		10.17	0.000019	0.47	209.39	61.76	0.05
Hempstead Lake	1950.747	Max WS	98.67	4.20	10.17		10.17	0.000020	0.48	205.33	60.54	0.05
Hempstead Lake	1945.747	Max WS	97.28	4.21	10.16		10.18	0.000082	1.03	94.34	17.72	0.08
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	88.56	4.50	10.09		10.11	0.000115	1.13	78.25	14.00	0.08
Hempstead Lake	1880.747	Max WS	89.68	4.45	10.10		10.10	0.000004	0.20	442.70	135.86	0.02
Hempstead Lake	1848.83*	Max WS	89.68	2.70	10.10		10.10	0.000000	0.05	1691.06	409.03	0.00
Hempstead Lake	1816.92*	Max WS	89.67	0.95	10.10		10.10	0.000000	0.02	3789.51	635.43	0.00
Hempstead Lake	1785.01*	Max WS	89.66	-0.80	10.10		10.10	0.000000	0.01	6474.44	828.65	0.00
Hempstead Lake	1753.104	Max WS	89.64	-2.55	10.10		10.10	0.000000	0.01	9701.40	1010.79	0.00
Hempstead Lake	1732.65*	Max WS	89.63	-2.75	10.10		10.10	0.000000	0.01	9729.72	1017.93	0.00
Hempstead Lake	1712.21*	Max WS	89.62	-2.95	10.10		10.10	0.000000	0.01	9775.68	1029.01	0.00
Hempstead Lake	1691.76*	Max WS	89.61	-3.14	10.10		10.10	0.000000	0.01	9844.00	1044.40	0.00
Hempstead Lake	1671.32*	Max WS	89.60	-3.34	10.10		10.10	0.000000	0.01	9940.27	1066.36	0.00
Hempstead Lake	1650.87*	Max WS	89.59	-3.54	10.10		10.10	0.000000	0.01	10072.37	1092.73	0.00
Hempstead Lake	1630.434	Max WS	89.58	-3.74	10.10		10.10	0.000000	0.01	10282.63	1190.59	0.00
Hempstead Lake	1610.36*	Max WS	89.57	-3.49	10.10		10.10	0.000000	0.01	9796.22	1165.14	0.00
Hempstead Lake	1590.30*	Max WS	89.55	-3.23	10.10		10.10	0.000000	0.01	9328.40	1096.56	0.00
Hempstead Lake	1570.23*	Max WS	89.54	-2.98	10.10		10.10	0.000000	0.01	8882.58	1050.77	0.00
Hempstead Lake	1550.17*	Max WS	89.53	-2.73	10.10		10.10	0.000000	0.01	8450.45	1026.77	0.00
Hempstead Lake	1530.10*	Max WS	89.52	-2.47	10.10		10.10	0.000000	0.01	8026.35	1001.73	0.00
Hempstead Lake	1510.03*	Max WS	89.51	-2.22	10.10		10.10	0.000000	0.01	7612.92	976.08	0.00
Hempstead Lake	1489.97*	Max WS	89.50	-1.96	10.10		10.10	0.000000	0.01	7210.57	949.48	0.00
Hempstead Lake	1469.90*	Max WS	89.49	-1.71	10.10		10.10	0.000000	0.01	6819.52	921.82	0.00
Hempstead Lake	1449.83*	Max WS	89.48	-1.46	10.10		10.10	0.000000	0.01	6441.67	893.25	0.00
Hempstead Lake	1429.77*	Max WS	89.47	-1.20	10.10		10.10	0.000000	0.01	6073.97	863.08	0.00
Hempstead Lake	1409.707	Max WS	89.46	-0.95	10.10		10.10	0.000000	0.02	5719.91	831.86	0.00
Hempstead Lake	1389.03*	Max WS	2215.81	-0.98	10.09		10.10	0.000004	0.39	5735.37	832.95	0.03
Hempstead Lake	1368.35*	Max WS	2215.80	-1.00	10.09		10.10	0.000004	0.39	5753.13	833.51	0.03
Hempstead Lake	1347.67*	Max WS	2215.79	-1.03	10.09		10.10	0.000004	0.39	5771.82	833.77	0.03
Hempstead Lake	1326.99*	Max WS	2215.78	-1.06	10.09		10.10	0.000004	0.39	5789.60	833.55	0.02
Hempstead Lake	1306.32*	Max WS	2215.77	-1.08	10.09		10.10	0.000004	0.39	5805.32	833.35	0.02
Hempstead Lake	1285.64*	Max WS	2215.76	-1.11	10.09		10.10	0.000004	0.39	5821.30	832.74	0.02
Hempstead Lake	1264.96*	Max WS	2215.75	-1.14	10.09		10.10	0.000004	0.38	5836.45	832.29	0.02
Hempstead Lake	1244.28*	Max WS	2215.74	-1.16	10.09		10.10	0.000004	0.38	5851.67	831.63	0.02
Hempstead Lake	1223.61*	Max WS	2215.72	-1.19	10.09		10.10	0.000004	0.38	5866.30	831.27	0.02
Hempstead Lake	1202.93*	Max WS	2215.71	-1.22	10.09		10.10	0.000004	0.38	5879.34	830.69	0.02
Hempstead Lake	1182.25*	Max WS	2215.70	-1.24	10.09		10.10	0.000004	0.38	5892.41	830.34	0.02
Hempstead Lake	1161.57*	Max WS	2215.69	-1.27	10.09		10.10	0.000004	0.38	5904.63	830.02	0.02
Hempstead Lake	1140.90*	Max WS	2215.68	-1.30	10.09		10.10	0.000004	0.38	5916.74	829.58	0.02
Hempstead Lake	1120.22*	Max WS	2215.67	-1.32	10.09		10.10	0.000004	0.38	5929.22	829.42	0.02
Hempstead Lake	1099.54*	Max WS	2215.66	-1.35	10.09		10.10	0.000004	0.38	5939.98	829.10	0.02
Hempstead Lake	1078.87*	Max WS	2215.65	-1.38	10.09		10.10	0.000004	0.38	5949.49	829.12	0.02
Hempstead Lake	1058.19*	Max WS	2215.64	-1.40	10.09		10.10	0.000004	0.38	5961.06	829.21	0.02
Hempstead Lake	1037.515	Max WS	2215.63	-1.43	10.09		10.10	0.000004	0.38	5970.95	829.61	0.02
Hempstead Lake	1017.08*	Max WS	2225.40	-1.35	10.09		10.09	0.000004	0.38	5981.87	823.83	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	996.645*	Max WS	2225.39	-1.28	10.09		10.09	0.000006	0.38	5992.38	816.20	0.02
Hempstead Lake	976.210*	Max WS	2225.38	-1.20	10.09		10.09	0.000006	0.38	6000.72	812.08	0.02
Hempstead Lake	955.775*	Max WS	2225.37	-1.13	10.09		10.09	0.000008	0.38	6008.60	805.94	0.02
Hempstead Lake	935.340*	Max WS	2225.36	-1.05	10.09		10.09	0.000008	0.38	6014.15	799.78	0.02
Hempstead Lake	914.905*	Max WS	2225.34	-0.98	10.09		10.09	0.000010	0.38	6018.83	793.35	0.02
Hempstead Lake	894.471*	Max WS	2225.33	-0.90	10.09		10.09	0.000011	0.38	6021.54	787.24	0.02
Hempstead Lake	874.036*	Max WS	2225.32	-0.83	10.09		10.09	0.000012	0.38	6023.11	781.29	0.02
Hempstead Lake	853.601*	Max WS	2225.32	-0.75	10.09		10.09	0.000013	0.38	6023.53	775.62	0.02
Hempstead Lake	833.166*	Max WS	2225.31	-0.68	10.09		10.09	0.000015	0.38	6021.04	770.68	0.02
Hempstead Lake	812.731*	Max WS	2225.30	-0.60	10.09		10.09	0.000016	0.38	6018.34	765.76	0.02
Hempstead Lake	792.296*	Max WS	2225.29	-0.53	10.09		10.09	0.000017	0.38	6014.70	762.38	0.02
Hempstead Lake	771.862	Max WS	2225.28	-0.45	10.09		10.09	0.000003	0.39	6008.95	759.70	0.02
Hempstead Lake	750.331*	Max WS	2228.89	-0.53	10.09		10.09	0.000019	0.40	5733.46	732.51	0.02
Hempstead Lake	728.8*	Max WS	2228.88	-0.61	10.09		10.09	0.000019	0.42	5478.80	713.98	0.02
Hempstead Lake	707.269*	Max WS	2228.87	-0.69	10.09		10.09	0.000019	0.44	5248.45	690.07	0.03
Hempstead Lake	685.738*	Max WS	2228.86	-0.77	10.09		10.09	0.000018	0.45	5048.59	661.68	0.03
Hempstead Lake	664.207*	Max WS	2228.85	-0.85	10.09		10.09	0.000017	0.47	4879.53	641.85	0.03
Hempstead Lake	642.676*	Max WS	2228.84	-0.93	10.09		10.09	0.000017	0.48	4736.19	624.53	0.03
Hempstead Lake	621.145*	Max WS	2228.83	-1.02	10.09		10.09	0.000015	0.49	4615.39	608.59	0.03
Hempstead Lake	599.614*	Max WS	2228.82	-1.10	10.09		10.09	0.000013	0.50	4518.24	593.81	0.03
Hempstead Lake	578.083*	Max WS	2228.82	-1.18	10.09		10.09	0.000012	0.51	4442.96	577.77	0.03
Hempstead Lake	556.552*	Max WS	2228.81	-1.26	10.09		10.09	0.000010	0.51	4391.04	558.26	0.03
Hempstead Lake	535.021*	Max WS	2228.80	-1.34	10.08		10.09	0.000008	0.51	4364.38	541.32	0.03
Hempstead Lake	513.490	Max WS	2228.79	-1.42	10.08		10.09	0.000006	0.51	4356.16	528.15	0.03
Hempstead Lake	493.038*	Max WS	2237.83	-1.03	10.08		10.09	0.000017	0.58	3886.17	511.17	0.04
Hempstead Lake	472.587*	Max WS	2237.83	-0.65	10.08		10.09	0.000027	0.65	3433.48	494.18	0.04
Hempstead Lake	452.136*	Max WS	2237.82	-0.26	10.08		10.09	0.000043	0.75	2996.43	477.53	0.05
Hempstead Lake	431.685*	Max WS	2237.81	0.12	10.07		10.09	0.000070	0.87	2574.67	464.29	0.07
Hempstead Lake	411.234*	Max WS	2237.81	0.51	10.07		10.08	0.000113	1.03	2167.07	450.78	0.08
Hempstead Lake	390.783*	Max WS	2237.80	0.90	10.06		10.08	0.000190	1.26	1771.95	436.59	0.11
Hempstead Lake	370.332*	Max WS	2237.79	1.28	10.04		10.08	0.000322	1.61	1390.98	421.49	0.16
Hempstead Lake	349.881*	Max WS	2237.77	1.67	9.99		10.07	0.000530	2.19	1019.93	396.10	0.24
Hempstead Lake	329.430*	Max WS	2237.78	2.05	9.90		10.06	0.000764	3.14	711.65	199.53	0.29
Hempstead Lake	308.979*	Max WS	2237.78	2.44	9.86		10.04	0.000942	3.44	650.09	131.50	0.27
Hempstead Lake	288.528*	Max WS	2237.78	2.83	9.80		10.02	0.001206	3.71	602.57	124.46	0.30
Hempstead Lake	268.077*	Max WS	2237.78	3.21	9.74		9.99	0.001569	4.00	558.90	118.34	0.32
Hempstead Lake	247.626*	Max WS	2237.78	3.60	9.66		9.95	0.002025	4.34	515.57	112.87	0.36
Hempstead Lake	227.175*	Max WS	2237.78	3.98	9.56		9.91	0.002466	4.73	473.54	108.02	0.40
Hempstead Lake	206.724	Max WS	2237.78	4.37	9.45		9.87	0.001677	5.19	431.43	103.85	0.45
Hempstead Lake	201.724	Max WS	2237.78	4.37	9.62	6.77	9.86	0.000787	3.91	572.89	115.55	0.31
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	2237.78	1.00	5.57		5.83	0.000996	4.17	548.40	127.11	0.35
Hempstead Lake	166.724	Max WS	2237.78	1.00	5.56	3.27	5.82	0.001001	4.18	547.66	127.09	0.35

PROPOSED 100 YR 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	32.84	32.69	0.14	0.03			3085.71	1063.12	473.96
Hempstead Lake	15523.7*	Max WS	32.79	32.64	0.15	0.09			3160.28	983.62	476.01
Hempstead Lake	15503.5*	Max WS	32.70	32.55	0.15	0.08			3239.14	904.72	475.56
Hempstead Lake	15483.3*	Max WS	32.62	32.46	0.16	0.08			3312.53	831.25	475.14
Hempstead Lake	15463.0*	Max WS	32.54	32.38	0.17	0.08			3380.88	762.76	474.82
Hempstead Lake	15442.8*	Max WS	32.47	32.29	0.18	0.08			3444.69	698.77	473.86
Hempstead Lake	15422.5*	Max WS	32.39	32.20	0.19	0.08			3504.38	638.87	472.88
Hempstead Lake	15402.3*	Max WS	32.31	32.11	0.20	0.08			3558.98	584.00	470.66
Hempstead Lake	15382.1*	Max WS	32.23	32.01	0.22	0.09			3611.18	531.49	467.33
Hempstead Lake	15361.8*	Max WS	32.15	31.91	0.25	0.09			3658.39	481.69	461.45
Hempstead Lake	15341.6*	Max WS	32.06	31.79	0.28	0.10			3707.77	432.27	452.67
Hempstead Lake	15321.4*	Max WS	31.97	31.64	0.32	0.12			3755.89	384.07	438.97
Hempstead Lake	15301.1*	Max WS	31.85	31.45	0.40	0.08			3805.98	333.82	415.83
Hempstead Lake	15280.9*	Max WS	31.32	31.24	0.08	0.03			1516.31	117.82	384.12
Hempstead Lake	15260.7*	Max WS	31.29	31.21	0.08	0.02			1459.23	104.34	348.70
Hempstead Lake	15240.4*	Max WS	31.26	31.18	0.08	0.02			1445.08	90.92	311.01
Hempstead Lake	15220.2*	Max WS	31.25	31.16	0.09	0.01			1448.80	87.14	305.36
Hempstead Lake	15200.02	Max WS	31.24	31.14	0.09	0.01			1452.13	83.70	301.60
Hempstead Lake	15180.7*	Max WS	31.23	31.17	0.06	0.01		0.00	1477.29	58.44	332.53
Hempstead Lake	15161.4*	Max WS	31.21	31.18	0.04	0.01		0.08	1492.28	43.33	392.39
Hempstead Lake	15142.1*	Max WS	31.21	31.18	0.03	0.00		0.25	1514.35	30.49	423.98
Hempstead Lake	15122.8*	Max WS	31.20	31.18	0.02	0.00		0.51	1531.84	21.66	449.90
Hempstead Lake	15103.5*	Max WS	31.20	31.19	0.01	0.00		0.89	1537.68	15.38	472.78
Hempstead Lake	15084.2*	Max WS	31.20	31.19	0.01	0.00		1.36	1541.38	11.15	494.69
Hempstead Lake	15064.9*	Max WS	31.20	31.19	0.01	0.00		1.92	1543.76	8.15	515.51
Hempstead Lake	15045.6*	Max WS	31.19	31.19	0.01	0.00		2.52	1545.23	6.00	535.50
Hempstead Lake	15026.4*	Max WS	31.19	31.19	0.00	0.00		3.21	1546.11	4.38	554.95
Hempstead Lake	15007.1*	Max WS	31.19	31.19	0.00	0.00		4.00	1546.39	3.24	573.01
Hempstead Lake	14987.82	Max WS	31.19	31.19	0.00	0.00		1.94	1549.12	2.51	588.22
Hempstead Lake	14966.6*	Max WS	31.19	31.19	0.00	0.00		1.49	1564.48	0.52	575.18
Hempstead Lake	14945.4*	Max WS	31.19	31.19	0.00	0.00		0.66	1565.76	0.01	558.35
Hempstead Lake	14924.3*	Max WS	31.19	31.19	0.00	0.00		0.25	1566.12		565.78
Hempstead Lake	14903.1*	Max WS	31.19	31.19	0.00	0.00		0.07	1566.23		583.17
Hempstead Lake	14882.*	Max WS	31.19	31.19	0.00	0.00		0.01	1566.22		601.14
Hempstead Lake	14860.8*	Max WS	31.19	31.19	0.00	0.00			1566.16		619.53
Hempstead Lake	14839.6*	Max WS	31.19	31.19	0.00	0.00			1566.10		638.21
Hempstead Lake	14818.5*	Max WS	31.19	31.19	0.00	0.00			1566.03		657.17
Hempstead Lake	14797.35	Max WS	31.19	31.19	0.00	0.00			1565.96		676.35
Hempstead Lake	14777.4*	Max WS	31.19	31.19	0.00	0.00			1565.89		690.03
Hempstead Lake	14757.4*	Max WS	31.19	31.19	0.00	0.00			1565.82		703.80
Hempstead Lake	14737.5*	Max WS	31.19	31.19	0.00	0.00			1565.76		717.70
Hempstead Lake	14717.5*	Max WS	31.19	31.19	0.00	0.00			1565.69		731.59
Hempstead Lake	14697.6*	Max WS	31.19	31.19	0.00	0.00			1565.62		745.73
Hempstead Lake	14677.6*	Max WS	31.19	31.19	0.00	0.00			1565.55		760.02
Hempstead Lake	14657.7*	Max WS	31.19	31.19	0.00	0.00		0.00	1565.49		774.36
Hempstead Lake	14637.7*	Max WS	31.19	31.19	0.00	0.00		0.01	1565.41		788.55
Hempstead Lake	14617.8*	Max WS	31.19	31.19	0.00	0.00		0.02	1565.33		802.74
Hempstead Lake	14597.8*	Max WS	31.19	31.19	0.00	0.00		0.04	1565.24		817.08
Hempstead Lake	14577.9*	Max WS	31.19	31.19	0.00	0.00		0.07	1565.15		831.47
Hempstead Lake	14557.9*	Max WS	31.19	31.19	0.00	0.00		0.11	1565.03		846.01
Hempstead Lake	14538.0*	Max WS	31.19	31.19	0.00	0.00		0.16	1564.91		860.54
Hempstead Lake	14518.0*	Max WS	31.19	31.19	0.00	0.00		0.22	1564.78		875.31
Hempstead Lake	14498.1*	Max WS	31.19	31.19	0.00	0.00		0.30	1564.64		890.25
Hempstead Lake	14478.1*	Max WS	31.19	31.19	0.00	0.00		0.39	1564.47		905.39
Hempstead Lake	14458.2*	Max WS	31.19	31.19	0.00	0.00		0.50	1564.30		921.12
Hempstead Lake	14438.2*	Max WS	31.19	31.19	0.00	0.00		0.61	1564.12		937.42
Hempstead Lake	14418.3*	Max WS	31.19	31.19	0.00	0.00		0.79	1563.87		953.66
Hempstead Lake	14398.37	Max WS	31.19	31.19	0.00	0.00		0.43	1564.16		969.72
Hempstead Lake	14378.3*	Max WS	31.19	31.19	0.00	0.00		0.45	1564.08		955.12
Hempstead Lake	14358.3*	Max WS	31.19	31.19	0.00	0.00		0.46	1564.00		940.43
Hempstead Lake	14338.2*	Max WS	31.19	31.19	0.00	0.00		0.48	1563.92		926.02
Hempstead Lake	14318.2*	Max WS	31.19	31.19	0.00	0.00		0.50	1563.84		911.69
Hempstead Lake	14298.2*	Max WS	31.19	31.19	0.00	0.00		0.51	1563.77		897.44
Hempstead Lake	14278.1*	Max WS	31.19	31.19	0.00	0.00		0.53	1563.69		883.39
Hempstead Lake	14258.1*	Max WS	31.19	31.19	0.00	0.00		0.55	1563.62		869.37
Hempstead Lake	14238.1*	Max WS	31.19	31.19	0.00	0.00		0.57	1563.54		855.58
Hempstead Lake	14218.0*	Max WS	31.19	31.19	0.00	0.00		0.60	1563.47		841.71
Hempstead Lake	14198.0*	Max WS	31.19	31.19	0.00	0.00		0.63	1563.39		827.77
Hempstead Lake	14178.0*	Max WS	31.19	31.19	0.00	0.00		0.66	1563.31		813.86
Hempstead Lake	14157.9*	Max WS	31.19	31.19	0.00	0.00		0.69	1563.23		800.07
Hempstead Lake	14137.9*	Max WS	31.19	31.19	0.00	0.00		0.73	1563.15		786.36
Hempstead Lake	14117.9*	Max WS	31.19	31.19	0.00	0.00		0.78	1563.06		772.24

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	31.19	31.19	0.00	0.00		0.84	1562.96	0.00	760.74
Hempstead Lake	14077.8*	Max WS	31.19	31.19	0.00	0.00		0.89	1562.85	0.01	759.80
Hempstead Lake	14057.8*	Max WS	31.19	31.19	0.00	0.00		0.95	1562.70	0.07	759.18
Hempstead Lake	14037.7*	Max WS	31.19	31.19	0.00	0.00		1.01	1562.49	0.19	759.49
Hempstead Lake	14017.75	Max WS	31.19	31.19	0.00	0.00		1.17	1562.09	0.39	758.31
Hempstead Lake	13998.2*	Max WS	31.19	31.19	0.00	0.00		2.97	1560.41	0.25	765.81
Hempstead Lake	13978.6*	Max WS	31.19	31.19	0.00	0.00		2.69	1560.79	0.11	772.96
Hempstead Lake	13959.1*	Max WS	31.19	31.19	0.00	0.00		2.33	1561.19	0.04	779.20
Hempstead Lake	13939.6*	Max WS	31.19	31.19	0.00	0.00		2.03	1561.50	0.01	786.73
Hempstead Lake	13920.0*	Max WS	31.19	31.19	0.00	0.00		1.74	1561.77	0.00	794.29
Hempstead Lake	13900.5*	Max WS	31.19	31.19	0.00	0.00		1.50	1561.99		810.16
Hempstead Lake	13881.*	Max WS	31.19	31.19	0.00	0.00		1.27	1562.20		827.45
Hempstead Lake	13861.4*	Max WS	31.19	31.19	0.00	0.00		1.15	1562.29		844.94
Hempstead Lake	13841.9*	Max WS	31.19	31.19	0.00	0.00		1.00	1562.42		862.47
Hempstead Lake	13822.3*	Max WS	31.19	31.19	0.00	0.00		0.87	1562.52		880.15
Hempstead Lake	13802.8*	Max WS	31.19	31.19	0.00	0.00		0.76	1562.62		897.79
Hempstead Lake	13783.3*	Max WS	31.19	31.19	0.00	0.00		0.66	1562.70		915.47
Hempstead Lake	13763.7*	Max WS	31.19	31.19	0.00	0.00		0.57	1562.77		933.28
Hempstead Lake	13744.2*	Max WS	31.19	31.19	0.00	0.00		0.50	1562.82		951.03
Hempstead Lake	13724.7*	Max WS	31.19	31.19	0.00	0.00		0.43	1562.87		968.82
Hempstead Lake	13705.1*	Max WS	31.19	31.19	0.00	0.00		0.37	1562.92		986.74
Hempstead Lake	13685.63	Max WS	31.19	31.19	0.00	0.00		0.32	1562.96		1004.60
Hempstead Lake	13666.4*	Max WS	31.19	31.19	0.00	0.00		0.19	1563.07		1016.03
Hempstead Lake	13647.1*	Max WS	31.19	31.19	0.00	0.00		0.10	1563.15		1027.62
Hempstead Lake	13627.9*	Max WS	31.19	31.19	0.00	0.00		0.04	1563.19	0.02	1039.11
Hempstead Lake	13608.7*	Max WS	31.19	31.19	0.00	0.00		0.01	1563.10	0.13	1050.18
Hempstead Lake	13589.5*	Max WS	31.19	31.19	0.00	0.00		0.00	1562.85	0.38	1078.16
Hempstead Lake	13570.2*	Max WS	31.19	31.19	0.00	0.00			1562.11	1.11	1095.58
Hempstead Lake	13551.0*	Max WS	31.19	31.19	0.00	0.00			1560.86	2.36	1101.31
Hempstead Lake	13531.8*	Max WS	31.19	31.19	0.00	0.00			1559.26	3.96	1102.77
Hempstead Lake	13512.6*	Max WS	31.19	31.19	0.00	0.00			1557.34	5.88	1103.12
Hempstead Lake	13493.3*	Max WS	31.19	31.19	0.00	0.00			1559.07	8.13	1103.98
Hempstead Lake	13474.1*	Max WS	31.19	31.19	0.00	0.00			1556.54	10.59	1103.91
Hempstead Lake	13454.9*	Max WS	31.19	31.19	0.00	0.00			1553.59	13.46	1102.94
Hempstead Lake	13435.72	Max WS	31.19	31.19	0.00	0.00			1528.58	38.41	1101.46
Hempstead Lake	13419.3*	Max WS	31.19	31.19	0.00	0.00			1554.20	12.73	1102.92
Hempstead Lake	13403.0*	Max WS	31.19	31.19	0.00	0.00			1556.99	9.89	1104.48
Hempstead Lake	13386.6*	Max WS	31.19	31.19	0.00	0.00			1559.47	7.34	1105.70
Hempstead Lake	13370.3*	Max WS	31.19	31.19	0.00	0.00			1561.69	5.08	1106.89
Hempstead Lake	13354.*	Max WS	31.19	31.19	0.00	0.00			1563.41	3.29	1107.69
Hempstead Lake	13337.6*	Max WS	31.19	31.19	0.00	0.00			1564.74	1.91	1108.37
Hempstead Lake	13321.3*	Max WS	31.19	31.19	0.00	0.00			1565.67	0.93	1107.72
Hempstead Lake	13304.9*	Max WS	31.19	31.19	0.00	0.00			1566.22	0.33	1106.22
Hempstead Lake	13288.6*	Max WS	31.19	31.19	0.00	0.00			1566.45	0.05	1103.98
Hempstead Lake	13272.29	Max WS	31.19	31.19	0.00	0.00			1566.44		1100.29
Hempstead Lake	13255.0*	Max WS	31.19	31.19	0.00	0.00			1566.39	0.00	1102.65
Hempstead Lake	13237.8*	Max WS	31.19	31.19	0.00	0.00			1566.34	0.00	1104.88
Hempstead Lake	13220.5*	Max WS	31.19	31.19	0.00	0.00			1566.29	0.00	1107.18
Hempstead Lake	13203.3*	Max WS	31.19	31.19	0.00	0.00			1566.23	0.01	1109.24
Hempstead Lake	13186.0*	Max WS	31.19	31.19	0.00	0.00			1566.17	0.02	1111.45
Hempstead Lake	13168.8*	Max WS	31.19	31.19	0.00	0.00			1566.11	0.03	1113.61
Hempstead Lake	13151.6*	Max WS	31.19	31.19	0.00	0.00			1566.04	0.05	1115.35
Hempstead Lake	13134.3*	Max WS	31.19	31.19	0.00	0.00			1565.97	0.07	1117.39
Hempstead Lake	13117.1*	Max WS	31.19	31.19	0.00	0.00			1565.89	0.11	1119.00
Hempstead Lake	13099.8*	Max WS	31.19	31.19	0.00	0.00			1565.80	0.15	1120.23
Hempstead Lake	13082.6*	Max WS	31.19	31.19	0.00	0.00			1565.70	0.20	1121.35
Hempstead Lake	13065.3*	Max WS	31.19	31.19	0.00	0.00			1565.60	0.26	1122.22
Hempstead Lake	13048.1*	Max WS	31.19	31.19	0.00	0.00			1565.49	0.32	1123.17
Hempstead Lake	13030.9*	Max WS	31.19	31.19	0.00	0.00			1565.37	0.40	1123.80
Hempstead Lake	13013.6*	Max WS	31.19	31.19	0.00	0.00			1565.24	0.48	1124.59
Hempstead Lake	12996.4*	Max WS	31.19	31.19	0.00	0.00			1565.11	0.57	1125.30
Hempstead Lake	12979.1*	Max WS	31.19	31.19	0.00	0.00			1564.96	0.67	1125.78
Hempstead Lake	12961.9*	Max WS	31.19	31.19	0.00	0.00			1564.81	0.79	1126.29
Hempstead Lake	12944.7*	Max WS	31.19	31.19	0.00	0.00			1564.63	0.92	1126.70
Hempstead Lake	12927.4*	Max WS	31.19	31.19	0.00	0.00			1564.46	1.04	1127.01
Hempstead Lake	12910.2*	Max WS	31.19	31.19	0.00	0.00			1564.28	1.18	1127.31
Hempstead Lake	12892.97	Max WS	31.19	31.19	0.00	0.00			1562.99	2.44	1127.46
Hempstead Lake	12881.0*	Max WS	31.19	31.18	0.00	0.00			1817.72	1.24	1126.86
Hempstead Lake	12869.1*	Max WS	31.19	31.18	0.00	0.00			1817.63	1.30	1126.29
Hempstead Lake	12857.1*	Max WS	31.19	31.18	0.00	0.00			1817.54	1.36	1125.69
Hempstead Lake	12845.2*	Max WS	31.19	31.18	0.00	0.00		0.00	1817.45	1.42	1125.15
Hempstead Lake	12833.3*	Max WS	31.19	31.18	0.00	0.00		0.00	1817.36	1.48	1124.53

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	31.19	31.18	0.00	0.00		0.00	1817.27	1.54	1123.94
Hempstead Lake	12809.4*	Max WS	31.19	31.18	0.00	0.00		0.01	1817.17	1.61	1123.38
Hempstead Lake	12797.5*	Max WS	31.19	31.18	0.00	0.00		0.01	1817.06	1.68	1122.79
Hempstead Lake	12785.6*	Max WS	31.19	31.18	0.00	0.00		0.02	1816.96	1.75	1122.20
Hempstead Lake	12773.7*	Max WS	31.19	31.18	0.00	0.00		0.03	1816.85	1.82	1121.65
Hempstead Lake	12761.7*	Max WS	31.19	31.18	0.00	0.00		0.05	1816.74	1.89	1121.06
Hempstead Lake	12749.8*	Max WS	31.19	31.18	0.00	0.00		0.06	1816.62	1.96	1120.57
Hempstead Lake	12737.9*	Max WS	31.19	31.18	0.00	0.00		0.08	1816.49	2.04	1119.99
Hempstead Lake	12726.0*	Max WS	31.19	31.18	0.00	0.00		0.11	1816.36	2.12	1119.43
Hempstead Lake	12714.0*	Max WS	31.19	31.18	0.00	0.00		0.14	1816.23	2.19	1118.92
Hempstead Lake	12702.1*	Max WS	31.19	31.18	0.00	0.00		0.17	1816.09	2.27	1118.34
Hempstead Lake	12690.2*	Max WS	31.19	31.18	0.00	0.00		0.21	1815.95	2.35	1117.72
Hempstead Lake	12678.3*	Max WS	31.19	31.18	0.00	0.00		0.26	1815.78	2.44	1117.24
Hempstead Lake	12666.3*	Max WS	31.19	31.18	0.00	0.00		0.30	1815.63	2.52	1116.81
Hempstead Lake	12654.4*	Max WS	31.19	31.18	0.00	0.00		0.35	1815.47	2.61	1116.64
Hempstead Lake	12642.5*	Max WS	31.19	31.18	0.00	0.00		0.41	1815.31	2.69	1116.35
Hempstead Lake	12630.6*	Max WS	31.19	31.18	0.00	0.00		0.47	1815.13	2.78	1115.95
Hempstead Lake	12618.6*	Max WS	31.19	31.18	0.00	0.00		0.53	1814.94	2.88	1115.50
Hempstead Lake	12606.7*	Max WS	31.19	31.18	0.00	0.00		0.61	1814.76	2.96	1114.93
Hempstead Lake	12594.8*	Max WS	31.19	31.18	0.00	0.00		0.69	1814.56	3.06	1114.36
Hempstead Lake	12582.9*	Max WS	31.19	31.18	0.00	0.00		0.77	1814.35	3.15	1113.66
Hempstead Lake	12570.9*	Max WS	31.19	31.18	0.00	0.00		0.86	1814.14	3.25	1112.90
Hempstead Lake	12559.0*	Max WS	31.19	31.18	0.00	0.00		0.96	1813.92	3.35	1112.15
Hempstead Lake	12547.1*	Max WS	31.19	31.18	0.00	0.00		1.06	1813.70	3.43	1111.33
Hempstead Lake	12535.2*	Max WS	31.19	31.18	0.00	0.00		1.16	1813.48	3.53	1110.43
Hempstead Lake	12523.27	Max WS	31.19	31.18	0.00	0.00		1.27	1813.39	3.48	1109.57
Hempstead Lake	12515.8*	Max WS	31.19	31.18	0.00	0.00		2.84	1888.36	2.56	1098.58
Hempstead Lake	12508.3*	Max WS	31.19	31.18	0.00	0.00		3.08	1889.06	1.60	1087.40
Hempstead Lake	12500.9*	Max WS	31.19	31.18	0.00	0.00		3.22	1889.67	0.83	1076.24
Hempstead Lake	12493.4*	Max WS	31.19	31.18	0.00	0.00		3.39	1890.05	0.28	1063.32
Hempstead Lake	12486.0*	Max WS	31.19	31.18	0.00	0.00		3.63	1890.02	0.06	1037.30
Hempstead Lake	12478.5*	Max WS	31.19	31.18	0.00	0.00		3.79	1889.90	0.00	1015.93
Hempstead Lake	12471.1*	Max WS	31.19	31.18	0.00	0.00		3.93	1889.75		1004.01
Hempstead Lake	12463.7*	Max WS	31.19	31.18	0.00	0.00		4.21	1889.46		994.11
Hempstead Lake	12456.2*	Max WS	31.19	31.18	0.00	0.00		4.37	1889.28		985.13
Hempstead Lake	12448.8*	Max WS	31.19	31.18	0.00	0.00		4.51	1889.13		976.62
Hempstead Lake	12441.3*	Max WS	31.19	31.18	0.00	0.00		4.81	1888.82		968.66
Hempstead Lake	12433.9*	Max WS	31.19	31.18	0.00	0.00		5.05	1888.57		961.12
Hempstead Lake	12426.4*	Max WS	31.19	31.18	0.00	0.00		5.21	1888.39		953.79
Hempstead Lake	12419.0*	Max WS	31.19	31.18	0.00	0.00		5.51	1888.08		946.72
Hempstead Lake	12411.5*	Max WS	31.18	31.18	0.00	0.00		5.70	1887.88		939.91
Hempstead Lake	12404.1*	Max WS	31.18	31.18	0.00	0.00		5.96	1887.61		933.32
Hempstead Lake	12396.6*	Max WS	31.18	31.18	0.00	0.00		6.25	1887.30		927.99
Hempstead Lake	12389.2*	Max WS	31.18	31.18	0.00	0.00		6.80	1886.74		922.63
Hempstead Lake	12381.8*	Max WS	31.18	31.18	0.00	0.00		7.22	1886.31		917.19
Hempstead Lake	12374.3*	Max WS	31.18	31.18	0.00	0.00		7.52	1886.00		911.69
Hempstead Lake	12366.9*	Max WS	31.18	31.18	0.00	0.00		8.08	1885.43		906.09
Hempstead Lake	12359.46	Max WS	31.18	31.18	0.00	0.00		3.51	1889.99		900.36
Hempstead Lake	12350.7*	Max WS	31.18	31.18	0.00	0.00		8.91	1934.04		889.21
Hempstead Lake	12342.0*	Max WS	31.18	31.18	0.00	0.00		9.22	1933.73		878.09
Hempstead Lake	12333.3*	Max WS	31.18	31.18	0.00	0.00		9.49	1933.44		866.84
Hempstead Lake	12324.7*	Max WS	31.18	31.18	0.00	0.00		9.48	1933.43		855.76
Hempstead Lake	12316.0*	Max WS	31.18	31.18	0.00	0.00		9.81	1933.09		844.67
Hempstead Lake	12307.3*	Max WS	31.18	31.18	0.00	0.00		10.15	1932.74		833.62
Hempstead Lake	12298.6*	Max WS	31.18	31.18	0.00	0.00		10.50	1932.37		822.50
Hempstead Lake	12289.9*	Max WS	31.18	31.18	0.00	0.00		10.71	1932.15		811.39
Hempstead Lake	12281.2*	Max WS	31.18	31.18	0.00	0.00		11.09	1931.76		800.41
Hempstead Lake	12272.5*	Max WS	31.18	31.18	0.00	0.00		11.11	1931.72		789.42
Hempstead Lake	12263.8*	Max WS	31.18	31.18	0.00	0.00		11.51	1931.31		778.48
Hempstead Lake	12255.1*	Max WS	31.18	31.18	0.00	0.00		11.92	1930.89		767.47
Hempstead Lake	12246.4*	Max WS	31.18	31.18	0.00	0.00		12.35	1930.44		756.59
Hempstead Lake	12237.7*	Max WS	31.18	31.18	0.00	0.00		12.73	1930.05		745.69
Hempstead Lake	12229.1*	Max WS	31.18	31.18	0.00	0.00		13.21	1929.57		734.87
Hempstead Lake	12220.4*	Max WS	31.18	31.18	0.00	0.00		13.30	1929.46		724.01
Hempstead Lake	12211.7*	Max WS	31.18	31.18	0.00	0.00		13.81	1928.94		713.27
Hempstead Lake	12203.0*	Max WS	31.18	31.18	0.00	0.00		14.34	1928.40		702.63
Hempstead Lake	12194.3*	Max WS	31.18	31.18	0.00	0.00		14.83	1927.89		692.00
Hempstead Lake	12185.6*	Max WS	31.18	31.18	0.00	0.00		15.44	1927.27		680.78
Hempstead Lake	12176.9*	Max WS	31.18	31.18	0.00	0.00		16.10	1926.60		669.67
Hempstead Lake	12168.2*	Max WS	31.18	31.18	0.00	0.00		16.22	1926.47		658.61
Hempstead Lake	12159.5*	Max WS	31.18	31.18	0.00	0.00		16.78	1925.90		649.17
Hempstead Lake	12150.8*	Max WS	31.18	31.18	0.00	0.00		17.31	1925.36		641.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	31.18	31.18	0.00	0.00		15.86	1926.80		633.78
Hempstead Lake	12133.5*	Max WS	31.18	31.18	0.00	0.00		16.47	1926.18		625.59
Hempstead Lake	12124.8*	Max WS	31.18	31.18	0.00	0.00		17.23	1925.41		616.11
Hempstead Lake	12116.1*	Max WS	31.18	31.18	0.00	0.00		17.74	1924.89		606.35
Hempstead Lake	12107.4*	Max WS	31.18	31.18	0.00	0.00		18.79	1923.83		593.62
Hempstead Lake	12098.7*	Max WS	31.18	31.18	0.00	0.00		19.92	1922.69		579.93
Hempstead Lake	12090.0*	Max WS	31.18	31.18	0.01	0.00		21.10	1921.50		566.21
Hempstead Lake	12081.3*	Max WS	31.18	31.17	0.01	0.00		22.25	1920.34		552.53
Hempstead Lake	12072.6*	Max WS	31.18	31.17	0.01	0.00		23.37	1919.22		538.81
Hempstead Lake	12063.9*	Max WS	31.18	31.17	0.01	0.00		24.09	1918.48		525.08
Hempstead Lake	12055.2*	Max WS	31.18	31.17	0.01	0.00		24.40	1918.16		510.85
Hempstead Lake	12046.5*	Max WS	31.18	31.17	0.01	0.00		25.28	1917.28		496.53
Hempstead Lake	12037.9*	Max WS	31.18	31.17	0.01	0.00		26.04	1916.51		482.27
Hempstead Lake	12029.2*	Max WS	31.18	31.17	0.01	0.00		26.66	1915.88		468.11
Hempstead Lake	12020.5*	Max WS	31.18	31.17	0.01	0.00		27.16	1915.38		454.09
Hempstead Lake	12011.8*	Max WS	31.18	31.17	0.01	0.00		27.24	1915.29		440.14
Hempstead Lake	12003.1*	Max WS	31.18	31.17	0.01	0.00		27.47	1915.05		426.30
Hempstead Lake	11994.45	Max WS	31.18	31.17	0.01	0.00		25.55	1935.05		412.65
Hempstead Lake	11989.45	Max WS	31.18	31.17	0.01			22.17	1938.42		410.49
Hempstead Lake	11979.45		Inl Struct								
Hempstead Lake	11969.45	Max WS	31.16	31.14	0.03	0.00			1960.60		401.91
Hempstead Lake	11964.45	Max WS	31.16	31.14	0.03	0.00			1960.59		402.66
Hempstead Lake	11954.6*	Max WS	31.16	31.13	0.03	0.00			1960.58		395.67
Hempstead Lake	11944.8*	Max WS	31.16	31.13	0.04	0.00			1960.58		383.50
Hempstead Lake	11934.9*	Max WS	31.16	31.12	0.04	0.00			1960.57		360.12
Hempstead Lake	11925.1*	Max WS	31.16	31.12	0.04	0.00			1960.56		342.09
Hempstead Lake	11915.3*	Max WS	31.16	31.11	0.05	0.00			1960.56		322.30
Hempstead Lake	11905.5*	Max WS	31.16	31.10	0.06	0.00			1960.56		312.12
Hempstead Lake	11895.6*	Max WS	31.16	31.09	0.07	0.00			1960.56		302.89
Hempstead Lake	11885.8*	Max WS	31.16	31.08	0.08	0.00			1960.56		296.17
Hempstead Lake	11876.0*	Max WS	31.16	31.07	0.09	0.00			1960.55		293.24
Hempstead Lake	11866.2*	Max WS	31.15	31.05	0.11	0.00			1960.55		289.88
Hempstead Lake	11856.4*	Max WS	31.15	31.03	0.13	0.00			1960.55		286.12
Hempstead Lake	11846.5*	Max WS	31.15	31.00	0.15	0.00			1960.55		281.73
Hempstead Lake	11836.7*	Max WS	31.15	30.97	0.18	0.00			1960.55		275.27
Hempstead Lake	11826.9*	Max WS	31.14	30.92	0.22	0.00			1960.55		259.86
Hempstead Lake	11817.1*	Max WS	31.14	30.87	0.27	0.01			1960.54		226.62
Hempstead Lake	11807.2*	Max WS	31.13	30.81	0.33	0.01			1960.54		190.99
Hempstead Lake	11797.46	Max WS	31.13	30.72	0.41	0.00			1960.54		185.32
Hempstead Lake	11792.46	Max WS	31.12	30.84	0.29				1960.54		191.76
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	26.22	26.20	0.03	0.00			292.74		40.05
Hempstead Lake	11627.46	Max WS	26.22	26.19	0.03	0.00			292.74		41.25
Hempstead Lake	11623.2*	Max WS	26.22	26.19	0.04	0.00			292.74		40.03
Hempstead Lake	11619.1*	Max WS	26.22	26.19	0.04	0.00			292.74		42.75
Hempstead Lake	11614.94	Max WS	26.22	26.20	0.03	0.00			294.32		48.51
Hempstead Lake	11612.94	Max WS	26.22	26.20	0.03	0.00			295.63		49.69
Hempstead Lake	11606.9*	Max WS	26.22	26.20	0.03	0.00			294.32		49.98
Hempstead Lake	11600.94	Max WS	26.22	26.20	0.03	0.00			292.74		50.34
Hempstead Lake	11598.94	Max WS	26.22	26.20	0.03	0.00			292.74		49.89
Hempstead Lake	11573.9*	Max WS	26.22	26.21	0.01	0.00			299.91		74.52
Hempstead Lake	11548.9*	Max WS	26.22	26.21	0.00	0.00			299.91		99.15
Hempstead Lake	11523.9*	Max WS	26.22	26.22	0.00	0.00			301.46		123.89
Hempstead Lake	11498.9*	Max WS	26.22	26.22	0.00	0.00			301.46		148.75
Hempstead Lake	11473.9*	Max WS	26.22	26.22	0.00	0.00			301.46		173.71
Hempstead Lake	11448.9*	Max WS	26.22	26.22	0.00	0.00			301.46		198.84
Hempstead Lake	11423.9*	Max WS	26.22	26.22	0.00	0.00			301.86		223.70
Hempstead Lake	11398.9*	Max WS	26.22	26.22	0.00	0.00			301.86		247.86
Hempstead Lake	11373.9*	Max WS	26.22	26.22	0.00	0.00			301.85		273.24
Hempstead Lake	11349.*	Max WS	26.22	26.22	0.00	0.00			301.85		319.08
Hempstead Lake	11324.*	Max WS	26.22	26.22	0.00	0.00			301.85		365.63
Hempstead Lake	11299.0*	Max WS	26.22	26.22	0.00	0.00		0.04	301.82		510.23
Hempstead Lake	11274.0*	Max WS	26.22	26.22	0.00	0.00		6.07	295.79		853.92
Hempstead Lake	11249.0*	Max WS	26.22	26.22	0.00	0.00		23.58	278.27		1081.28
Hempstead Lake	11224.0*	Max WS	26.22	26.22	0.00	0.00		53.52	248.33		1163.02
Hempstead Lake	11199.0*	Max WS	26.22	26.22	0.00	0.00		85.60	215.87		1241.35
Hempstead Lake	11174.0*	Max WS	26.22	26.22	0.00	0.00		116.44	185.41		1316.87
Hempstead Lake	11149.0*	Max WS	26.22	26.22	0.00	0.00		146.16	155.68		1391.51
Hempstead Lake	11124.0*	Max WS	26.22	26.22	0.00	0.00		169.95	131.89		1461.68
Hempstead Lake	11099.0*	Max WS	26.22	26.22	0.00	0.00		189.84	111.63		1530.74
Hempstead Lake	11074.0*	Max WS	26.22	26.22	0.00	0.00		208.67	92.79		1604.13
Hempstead Lake	11049.07	Max WS	26.22	26.22	0.00	0.00		160.12	141.71		1679.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	26.22	26.22	0.00	0.00		212.34	89.49		1654.91
Hempstead Lake	11027.7*	Max WS	26.22	26.22	0.00	0.00		204.05	98.14		1630.94
Hempstead Lake	11017.0*	Max WS	26.22	26.22	0.00	0.00		192.11	109.72		1608.96
Hempstead Lake	11006.4*	Max WS	26.22	26.22	0.00	0.00		179.09	122.73		1589.77
Hempstead Lake	10995.7*	Max WS	26.22	26.22	0.00	0.00		167.22	134.61		1570.57
Hempstead Lake	10985.0*	Max WS	26.22	26.22	0.00	0.00		151.90	149.92		1551.61
Hempstead Lake	10974.4*	Max WS	26.22	26.22	0.00	0.00		137.66	163.81		1532.48
Hempstead Lake	10963.7*	Max WS	26.22	26.22	0.00	0.00		120.68	181.13		1513.29
Hempstead Lake	10953.1*	Max WS	26.22	26.22	0.00	0.00		103.05	198.76		1494.28
Hempstead Lake	10942.4*	Max WS	26.22	26.22	0.00	0.00		86.89	214.92		1475.22
Hempstead Lake	10931.7*	Max WS	26.22	26.22	0.00	0.00		69.26	232.55		1456.08
Hempstead Lake	10921.1*	Max WS	26.22	26.22	0.00	0.00		52.61	249.55		1437.11
Hempstead Lake	10910.4*	Max WS	26.22	26.22	0.00	0.00		38.13	263.34		1418.24
Hempstead Lake	10899.7*	Max WS	26.22	26.22	0.00	0.00		24.65	277.16		1399.19
Hempstead Lake	10889.1*	Max WS	26.22	26.22	0.00	0.00		13.75	288.06		1379.86
Hempstead Lake	10878.4*	Max WS	26.22	26.22	0.00	0.00		7.88	293.93		1218.59
Hempstead Lake	10867.8*	Max WS	26.22	26.22	0.00	0.00		2.90	299.24		1167.37
Hempstead Lake	10857.1*	Max WS	26.22	26.22	0.00	0.00		0.55	301.25		1036.79
Hempstead Lake	10846.4*	Max WS	26.22	26.22	0.00	0.00		0.00	301.47		847.67
Hempstead Lake	10835.8*	Max WS	26.22	26.22	0.00	0.00			301.80		771.46
Hempstead Lake	10825.1*	Max WS	26.22	26.22	0.00	0.00			301.47		747.32
Hempstead Lake	10814.4*	Max WS	26.22	26.22	0.00	0.00			301.80		745.07
Hempstead Lake	10803.8*	Max WS	26.22	26.22	0.00	0.00			301.47		743.69
Hempstead Lake	10793.1*	Max WS	26.22	26.22	0.00	0.00			301.80		742.60
Hempstead Lake	10782.4*	Max WS	26.22	26.22	0.00	0.00			301.80		739.09
Hempstead Lake	10771.8*	Max WS	26.22	26.22	0.00	0.00			301.80		736.26
Hempstead Lake	10761.1*	Max WS	26.22	26.22	0.00	0.00			301.79		734.00
Hempstead Lake	10750.5*	Max WS	26.22	26.22	0.00	0.00			301.47		732.26
Hempstead Lake	10739.8*	Max WS	26.22	26.22	0.00	0.00			301.79		730.81
Hempstead Lake	10729.1*	Max WS	26.22	26.22	0.00	0.00			302.11		730.04
Hempstead Lake	10718.5*	Max WS	26.22	26.22	0.00	0.00			301.79		729.31
Hempstead Lake	10707.8*	Max WS	26.22	26.22	0.00	0.00			301.79		729.19
Hempstead Lake	10697.1*	Max WS	26.22	26.22	0.00	0.00			302.11		729.73
Hempstead Lake	10686.5*	Max WS	26.22	26.22	0.00	0.00			301.79		731.05
Hempstead Lake	10675.8*	Max WS	26.22	26.22	0.00	0.00			301.79		732.53
Hempstead Lake	10665.2*	Max WS	26.22	26.22	0.00	0.00			301.78		734.06
Hempstead Lake	10654.5*	Max WS	26.22	26.22	0.00	0.00			302.10		736.04
Hempstead Lake	10643.8*	Max WS	26.22	26.22	0.00	0.00			301.78		737.94
Hempstead Lake	10633.2*	Max WS	26.22	26.22	0.00	0.00			301.78		740.07
Hempstead Lake	10622.5*	Max WS	26.22	26.22	0.00	0.00			301.78		742.36
Hempstead Lake	10611.8*	Max WS	26.22	26.22	0.00	0.00			301.78		744.81
Hempstead Lake	10601.2*	Max WS	26.22	26.22	0.00	0.00			301.78		747.32
Hempstead Lake	10590.5*	Max WS	26.22	26.22	0.00	0.00			301.78		749.99
Hempstead Lake	10579.8*	Max WS	26.22	26.22	0.00	0.00			301.78		752.71
Hempstead Lake	10569.23	Max WS	26.22	26.22	0.00	0.00			301.78		755.60
Hempstead Lake	10549.1*	Max WS	26.22	26.22	0.00	0.00			301.77		757.61
Hempstead Lake	10529.0*	Max WS	26.22	26.22	0.00	0.00			301.77		759.84
Hempstead Lake	10508.9*	Max WS	26.22	26.22	0.00	0.00			302.07		762.05
Hempstead Lake	10488.7*	Max WS	26.22	26.22	0.00	0.00			301.77		764.67
Hempstead Lake	10468.6*	Max WS	26.22	26.22	0.00	0.00			302.07		767.53
Hempstead Lake	10448.5*	Max WS	26.22	26.22	0.00	0.00			301.77		770.67
Hempstead Lake	10428.4*	Max WS	26.22	26.22	0.00	0.00			301.77		773.95
Hempstead Lake	10408.3*	Max WS	26.22	26.22	0.00	0.00			301.77		777.58
Hempstead Lake	10388.2*	Max WS	26.22	26.22	0.00	0.00			301.77		781.51
Hempstead Lake	10368.1*	Max WS	26.22	26.22	0.00	0.00			301.77		785.83
Hempstead Lake	10348.0*	Max WS	26.22	26.22	0.00	0.00			302.06		791.17
Hempstead Lake	10327.9*	Max WS	26.22	26.22	0.00	0.00			301.76		797.50
Hempstead Lake	10307.8*	Max WS	26.22	26.22	0.00	0.00			301.48		804.07
Hempstead Lake	10287.7*	Max WS	26.22	26.22	0.00	0.00			302.05		811.26
Hempstead Lake	10267.6*	Max WS	26.22	26.22	0.00	0.00			301.76		819.18
Hempstead Lake	10247.4*	Max WS	26.22	26.22	0.00	0.00			302.05		827.63
Hempstead Lake	10227.3*	Max WS	26.22	26.22	0.00	0.00			301.76		836.73
Hempstead Lake	10207.2*	Max WS	26.22	26.22	0.00	0.00			301.76		838.14
Hempstead Lake	10187.1*	Max WS	26.22	26.22	0.00	0.00			301.76		839.19
Hempstead Lake	10167.0*	Max WS	26.22	26.22	0.00	0.00			301.48		840.22
Hempstead Lake	10146.9*	Max WS	26.22	26.22	0.00	0.00			301.76		841.13
Hempstead Lake	10126.8*	Max WS	26.22	26.22	0.00	0.00			302.03		842.12
Hempstead Lake	10106.7*	Max WS	26.22	26.22	0.00	0.00			301.75		842.96
Hempstead Lake	10086.6*	Max WS	26.22	26.22	0.00	0.00			301.75		843.75
Hempstead Lake	10066.5*	Max WS	26.22	26.22	0.00	0.00			302.03		844.66
Hempstead Lake	10046.4*	Max WS	26.22	26.22	0.00	0.00			301.75		845.38
Hempstead Lake	10026.2*	Max WS	26.22	26.22	0.00	0.00			302.02		846.12

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	26.22	26.22	0.00	0.00			302.02		846.80
Hempstead Lake	9986.073	Max WS	26.22	26.22	0.00	0.00			301.75		847.60
Hempstead Lake	9965.77*	Max WS	26.22	26.22	0.00	0.00			301.75		846.65
Hempstead Lake	9945.47*	Max WS	26.22	26.22	0.00	0.00			301.75		845.77
Hempstead Lake	9925.18*	Max WS	26.22	26.22	0.00	0.00			302.01		845.02
Hempstead Lake	9904.88*	Max WS	26.22	26.22	0.00	0.00			302.01		844.57
Hempstead Lake	9884.59*	Max WS	26.22	26.22	0.00	0.00			301.75		844.17
Hempstead Lake	9864.29*	Max WS	26.22	26.22	0.00	0.00			302.00		844.19
Hempstead Lake	9843.99*	Max WS	26.22	26.22	0.00	0.00			301.74		844.19
Hempstead Lake	9823.7*	Max WS	26.22	26.22	0.00	0.00			301.74		843.03
Hempstead Lake	9803.40*	Max WS	26.22	26.22	0.00	0.00			301.74		841.47
Hempstead Lake	9783.10*	Max WS	26.22	26.22	0.00	0.00			301.99		839.76
Hempstead Lake	9762.81*	Max WS	26.22	26.22	0.00	0.00			301.99		838.07
Hempstead Lake	9742.51*	Max WS	26.22	26.22	0.00	0.00			301.99		836.05
Hempstead Lake	9722.21*	Max WS	26.22	26.22	0.00	0.00			301.74		833.99
Hempstead Lake	9701.92*	Max WS	26.22	26.22	0.00	0.00			301.74		831.78
Hempstead Lake	9681.62*	Max WS	26.22	26.22	0.00	0.00			301.74		829.34
Hempstead Lake	9661.32*	Max WS	26.22	26.22	0.00	0.00			301.74		826.86
Hempstead Lake	9641.03*	Max WS	26.22	26.22	0.00	0.00			301.74		824.28
Hempstead Lake	9620.73*	Max WS	26.22	26.22	0.00	0.00			301.98		821.55
Hempstead Lake	9600.43*	Max WS	26.22	26.22	0.00	0.00			301.74		818.64
Hempstead Lake	9580.14*	Max WS	26.22	26.22	0.00	0.00			301.73		815.74
Hempstead Lake	9559.84*	Max WS	26.22	26.22	0.00	0.00			301.97		812.66
Hempstead Lake	9539.54*	Max WS	26.22	26.22	0.00	0.00			301.73		809.46
Hempstead Lake	9519.25*	Max WS	26.22	26.22	0.00	0.00			301.97		806.31
Hempstead Lake	9498.95*	Max WS	26.22	26.22	0.00	0.00			301.73		802.94
Hempstead Lake	9478.65*	Max WS	26.22	26.22	0.00	0.00			301.50		799.48
Hempstead Lake	9458.36*	Max WS	26.22	26.22	0.00	0.00			301.73		796.09
Hempstead Lake	9438.06*	Max WS	26.22	26.22	0.00	0.00			301.50		792.45
Hempstead Lake	9417.76*	Max WS	26.22	26.22	0.00	0.00			301.73		788.81
Hempstead Lake	9397.47*	Max WS	26.22	26.22	0.00	0.00			301.96		785.20
Hempstead Lake	9377.17*	Max WS	26.22	26.22	0.00	0.00			301.73		781.45
Hempstead Lake	9356.87*	Max WS	26.22	26.22	0.00	0.00			301.95		777.66
Hempstead Lake	9336.58*	Max WS	26.22	26.22	0.00	0.00			301.95		773.88
Hempstead Lake	9316.28*	Max WS	26.22	26.22	0.00	0.00			301.95		769.94
Hempstead Lake	9295.98*	Max WS	26.22	26.22	0.00	0.00			301.72		766.07
Hempstead Lake	9275.69*	Max WS	26.22	26.22	0.00	0.00			301.94		762.23
Hempstead Lake	9255.39*	Max WS	26.22	26.22	0.00	0.00			301.72		758.32
Hempstead Lake	9235.09*	Max WS	26.22	26.22	0.00	0.00			301.72		754.45
Hempstead Lake	9214.80*	Max WS	26.22	26.22	0.00	0.00			301.72		750.46
Hempstead Lake	9194.50*	Max WS	26.22	26.22	0.00	0.00			301.72		746.19
Hempstead Lake	9174.20*	Max WS	26.22	26.22	0.00	0.00			301.72		741.98
Hempstead Lake	9153.910	Max WS	26.22	26.22	0.00	0.00			301.72		737.80
Hempstead Lake	9133.22*	Max WS	26.22	26.22	0.00	0.00			313.38		740.64
Hempstead Lake	9112.54*	Max WS	26.22	26.22	0.00	0.00			313.38		743.46
Hempstead Lake	9091.85*	Max WS	26.22	26.22	0.00	0.00			313.38		745.39
Hempstead Lake	9071.17*	Max WS	26.22	26.22	0.00	0.00			313.38		747.36
Hempstead Lake	9050.49*	Max WS	26.22	26.22	0.00	0.00			313.59		749.11
Hempstead Lake	9029.80*	Max WS	26.22	26.22	0.00	0.00			313.59		750.93
Hempstead Lake	9009.12*	Max WS	26.22	26.22	0.00	0.00			313.38		752.83
Hempstead Lake	8988.44*	Max WS	26.22	26.22	0.00	0.00			313.59		755.59
Hempstead Lake	8967.75*	Max WS	26.22	26.22	0.00	0.00			313.38		758.16
Hempstead Lake	8947.07*	Max WS	26.22	26.22	0.00	0.00			313.59		760.71
Hempstead Lake	8926.39*	Max WS	26.22	26.22	0.00	0.00			313.17		763.14
Hempstead Lake	8905.70*	Max WS	26.22	26.22	0.00	0.00			313.58		765.57
Hempstead Lake	8885.02*	Max WS	26.22	26.22	0.00	0.00			313.58		767.79
Hempstead Lake	8864.33*	Max WS	26.22	26.22	0.00	0.00			313.58		769.97
Hempstead Lake	8843.65*	Max WS	26.22	26.22	0.00	0.00			313.58		772.09
Hempstead Lake	8822.97*	Max WS	26.22	26.22	0.00	0.00			313.38		774.05
Hempstead Lake	8802.28*	Max WS	26.22	26.22	0.00	0.00			313.37		775.91
Hempstead Lake	8781.60*	Max WS	26.22	26.22	0.00	0.00			313.37		777.71
Hempstead Lake	8760.92*	Max WS	26.22	26.22	0.00	0.00			313.37		779.35
Hempstead Lake	8740.23*	Max WS	26.22	26.22	0.00	0.00			313.37		780.95
Hempstead Lake	8719.55*	Max WS	26.22	26.22	0.00	0.00			313.37		782.30
Hempstead Lake	8698.86*	Max WS	26.22	26.22	0.00	0.00			313.37		783.65
Hempstead Lake	8678.18*	Max WS	26.22	26.22	0.00	0.00			313.37		784.82
Hempstead Lake	8657.50*	Max WS	26.22	26.22	0.00	0.00			313.37		785.93
Hempstead Lake	8636.81*	Max WS	26.22	26.22	0.00	0.00			313.37		786.90
Hempstead Lake	8616.13*	Max WS	26.22	26.22	0.00	0.00			313.55		787.35
Hempstead Lake	8595.45*	Max WS	26.22	26.22	0.00	0.00			313.55		787.74
Hempstead Lake	8574.76*	Max WS	26.22	26.22	0.00	0.00			313.36		787.91
Hempstead Lake	8554.08*	Max WS	26.22	26.22	0.00	0.00			313.36		781.62

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	26.22	26.22	0.00	0.00			313.36		770.10
Hempstead Lake	8512.71*	Max WS	26.22	26.22	0.00	0.00			313.54		768.44
Hempstead Lake	8492.03*	Max WS	26.22	26.22	0.00	0.00			313.36		766.78
Hempstead Lake	8471.34*	Max WS	26.22	26.22	0.00	0.00			313.54		764.80
Hempstead Lake	8450.66*	Max WS	26.22	26.22	0.00	0.00			313.36		762.57
Hempstead Lake	8429.980	Max WS	26.22	26.22	0.00	0.00			313.36		760.26
Hempstead Lake	8416.34*	Max WS	26.22	26.22	0.00	0.00			313.36		765.47
Hempstead Lake	8402.71*	Max WS	26.22	26.22	0.00	0.00			313.53		770.66
Hempstead Lake	8389.07*	Max WS	26.22	26.22	0.00	0.00			313.36		775.92
Hempstead Lake	8375.44*	Max WS	26.22	26.22	0.00	0.00			313.36		781.34
Hempstead Lake	8361.81*	Max WS	26.22	26.22	0.00	0.00			313.53		786.51
Hempstead Lake	8348.17*	Max WS	26.22	26.22	0.00	0.00			313.53		791.82
Hempstead Lake	8334.54*	Max WS	26.22	26.22	0.00	0.00			313.53		797.11
Hempstead Lake	8320.91*	Max WS	26.22	26.22	0.00	0.00			313.53		802.44
Hempstead Lake	8307.27*	Max WS	26.22	26.22	0.00	0.00			313.52		807.65
Hempstead Lake	8293.64*	Max WS	26.22	26.22	0.00	0.00			313.36		813.17
Hempstead Lake	8280.00*	Max WS	26.22	26.22	0.00	0.00			313.36		819.37
Hempstead Lake	8266.37*	Max WS	26.22	26.22	0.00	0.00			313.36		829.63
Hempstead Lake	8252.74*	Max WS	26.22	26.22	0.00	0.00			313.52		838.81
Hempstead Lake	8239.10*	Max WS	26.22	26.22	0.00	0.00			313.35		847.21
Hempstead Lake	8225.47*	Max WS	26.22	26.22	0.00	0.00			313.52		854.90
Hempstead Lake	8211.84*	Max WS	26.22	26.22	0.00	0.00			313.52		861.80
Hempstead Lake	8198.20*	Max WS	26.22	26.22	0.00	0.00			313.35		867.05
Hempstead Lake	8184.57*	Max WS	26.22	26.22	0.00	0.00			313.51		872.07
Hempstead Lake	8170.93*	Max WS	26.22	26.22	0.00	0.00			313.35		877.06
Hempstead Lake	8157.30*	Max WS	26.22	26.22	0.00	0.00			313.35		882.16
Hempstead Lake	8143.67*	Max WS	26.22	26.22	0.00	0.00			313.35		887.33
Hempstead Lake	8130.03*	Max WS	26.22	26.22	0.00	0.00			313.35		892.51
Hempstead Lake	8116.40*	Max WS	26.22	26.22	0.00	0.00			313.35		897.95
Hempstead Lake	8102.76*	Max WS	26.22	26.22	0.00	0.00			313.51		903.28
Hempstead Lake	8089.13*	Max WS	26.22	26.22	0.00	0.00			313.50		908.64
Hempstead Lake	8075.50*	Max WS	26.22	26.22	0.00	0.00			313.50		914.14
Hempstead Lake	8061.86*	Max WS	26.22	26.22	0.00	0.00			313.50		919.71
Hempstead Lake	8048.23*	Max WS	26.22	26.22	0.00	0.00			313.50		925.19
Hempstead Lake	8034.6*	Max WS	26.22	26.22	0.00	0.00			313.35		930.85
Hempstead Lake	8020.96*	Max WS	26.22	26.22	0.00	0.00			313.50		936.73
Hempstead Lake	8007.33*	Max WS	26.22	26.22	0.00	0.00			313.35		942.56
Hempstead Lake	7993.69*	Max WS	26.22	26.22	0.00	0.00			313.35		948.50
Hempstead Lake	7980.06*	Max WS	26.22	26.22	0.00	0.00			313.49		954.56
Hempstead Lake	7966.43*	Max WS	26.22	26.22	0.00	0.00			313.49		960.60
Hempstead Lake	7952.79*	Max WS	26.22	26.22	0.00	0.00			313.35		966.84
Hempstead Lake	7939.16*	Max WS	26.22	26.22	0.00	0.00			313.34		973.01
Hempstead Lake	7925.53*	Max WS	26.22	26.22	0.00	0.00			313.34		979.45
Hempstead Lake	7911.89*	Max WS	26.22	26.22	0.00	0.00			313.34		986.00
Hempstead Lake	7898.26*	Max WS	26.22	26.22	0.00	0.00			313.48		992.56
Hempstead Lake	7884.62*	Max WS	26.22	26.22	0.00	0.00			313.34		998.87
Hempstead Lake	7870.99*	Max WS	26.22	26.22	0.00	0.00			313.48		1005.26
Hempstead Lake	7857.36*	Max WS	26.22	26.22	0.00	0.00			313.48		1011.76
Hempstead Lake	7843.72*	Max WS	26.22	26.22	0.00	0.00			313.34		1016.73
Hempstead Lake	7830.09*	Max WS	26.22	26.22	0.00	0.00			313.48		1021.16
Hempstead Lake	7816.45*	Max WS	26.22	26.22	0.00	0.00			313.47		1024.70
Hempstead Lake	7802.82*	Max WS	26.22	26.22	0.00	0.00			313.47		1028.20
Hempstead Lake	7789.19*	Max WS	26.22	26.22	0.00	0.00			313.34		1031.64
Hempstead Lake	7775.55*	Max WS	26.22	26.22	0.00	0.00			313.34		1034.93
Hempstead Lake	7761.92*	Max WS	26.22	26.22	0.00	0.00			313.34		1038.30
Hempstead Lake	7748.29*	Max WS	26.22	26.22	0.00	0.00			313.47		1041.64
Hempstead Lake	7734.65*	Max WS	26.22	26.22	0.00	0.00			313.47		1044.92
Hempstead Lake	7721.02*	Max WS	26.22	26.22	0.00	0.00		0.00	313.46		1048.14
Hempstead Lake	7707.38*	Max WS	26.22	26.22	0.00	0.00		0.00	313.46		1051.22
Hempstead Lake	7693.75*	Max WS	26.22	26.22	0.00	0.00		0.00	313.46		1054.38
Hempstead Lake	7680.12*	Max WS	26.22	26.22	0.00	0.00		0.00	313.46		1057.52
Hempstead Lake	7666.48*	Max WS	26.22	26.22	0.00	0.00		0.00	313.45		1060.64
Hempstead Lake	7652.85*	Max WS	26.22	26.22	0.00	0.00		0.00	313.33		1063.73
Hempstead Lake	7639.22*	Max WS	26.22	26.22	0.00	0.00		0.00	313.33		1066.73
Hempstead Lake	7625.58*	Max WS	26.22	26.22	0.00	0.00		0.01	313.45		1069.79
Hempstead Lake	7611.95*	Max WS	26.22	26.22	0.00	0.00		0.01	313.33		1072.85
Hempstead Lake	7598.31*	Max WS	26.22	26.22	0.00	0.00		0.01	313.44		1075.90
Hempstead Lake	7584.68*	Max WS	26.22	26.22	0.00	0.00		0.01	313.32		1078.93
Hempstead Lake	7571.05*	Max WS	26.22	26.22	0.00	0.00		0.01	313.43		1081.88
Hempstead Lake	7557.41*	Max WS	26.22	26.22	0.00	0.00		0.02	313.32		1084.89
Hempstead Lake	7543.783	Max WS	26.22	26.22	0.00	0.00		0.02	313.31		1087.90
Hempstead Lake	7530.03*	Max WS	26.22	26.22	0.00	0.00		0.02	323.42		1090.24

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	26.22	26.22	0.00	0.00		0.01	323.42		1092.70
Hempstead Lake	7502.53*	Max WS	26.22	26.22	0.00	0.00		0.01	323.43		1095.24
Hempstead Lake	7488.79*	Max WS	26.22	26.22	0.00	0.00		0.01	323.43		1097.74
Hempstead Lake	7475.04*	Max WS	26.22	26.22	0.00	0.00		0.01	323.43		1100.45
Hempstead Lake	7461.29*	Max WS	26.22	26.22	0.00	0.00		0.00	323.43		1103.09
Hempstead Lake	7447.54*	Max WS	26.22	26.22	0.00	0.00		0.00	323.32		1105.12
Hempstead Lake	7433.79*	Max WS	26.22	26.22	0.00	0.00		0.00	323.33		1106.72
Hempstead Lake	7420.04*	Max WS	26.22	26.22	0.00	0.00		0.00	323.43		1108.14
Hempstead Lake	7406.3*	Max WS	26.22	26.22	0.00	0.00		0.00	323.42		1109.47
Hempstead Lake	7392.55*	Max WS	26.22	26.22	0.00	0.00		0.00	323.42		1110.61
Hempstead Lake	7378.80*	Max WS	26.22	26.22	0.00	0.00		0.00	323.42		1111.62
Hempstead Lake	7365.05*	Max WS	26.22	26.22	0.00	0.00			323.32		1113.34
Hempstead Lake	7351.30*	Max WS	26.22	26.22	0.00	0.00			323.42		1114.86
Hempstead Lake	7337.55*	Max WS	26.22	26.22	0.00	0.00			323.32		1116.38
Hempstead Lake	7323.81*	Max WS	26.22	26.22	0.00	0.00			323.32		1118.14
Hempstead Lake	7310.06*	Max WS	26.22	26.22	0.00	0.00			323.41		1119.73
Hempstead Lake	7296.31*	Max WS	26.22	26.22	0.00	0.00			323.32		1121.32
Hempstead Lake	7282.56*	Max WS	26.22	26.22	0.00	0.00			323.32		1122.98
Hempstead Lake	7268.81*	Max WS	26.22	26.22	0.00	0.00			323.41		1124.51
Hempstead Lake	7255.06*	Max WS	26.22	26.22	0.00	0.00			323.32		1126.02
Hempstead Lake	7241.32*	Max WS	26.22	26.22	0.00	0.00			323.32		1127.36
Hempstead Lake	7227.57*	Max WS	26.22	26.22	0.00	0.00			323.32		1128.26
Hempstead Lake	7213.82*	Max WS	26.22	26.22	0.00	0.00			323.32		1129.21
Hempstead Lake	7200.07*	Max WS	26.22	26.22	0.00	0.00			323.32		1129.81
Hempstead Lake	7186.32*	Max WS	26.22	26.22	0.00	0.00			323.32		1130.36
Hempstead Lake	7172.57*	Max WS	26.22	26.22	0.00	0.00			323.40		1130.99
Hempstead Lake	7158.83*	Max WS	26.22	26.22	0.00	0.00			323.40		1131.78
Hempstead Lake	7145.08*	Max WS	26.22	26.22	0.00	0.00			323.32		1132.53
Hempstead Lake	7131.33*	Max WS	26.22	26.22	0.00	0.00			323.32		1133.30
Hempstead Lake	7117.58*	Max WS	26.22	26.22	0.00	0.00			323.31		1134.25
Hempstead Lake	7103.83*	Max WS	26.22	26.22	0.00	0.00			323.31		1135.13
Hempstead Lake	7090.08*	Max WS	26.22	26.22	0.00	0.00			323.39		1136.05
Hempstead Lake	7076.34*	Max WS	26.22	26.22	0.00	0.00			323.31		1137.10
Hempstead Lake	7062.59*	Max WS	26.22	26.22	0.00	0.00			323.31		1138.09
Hempstead Lake	7048.84*	Max WS	26.22	26.22	0.00	0.00			323.38		1139.11
Hempstead Lake	7035.09*	Max WS	26.22	26.22	0.00	0.00			323.38		1140.18
Hempstead Lake	7021.34*	Max WS	26.22	26.22	0.00	0.00			323.31		1141.24
Hempstead Lake	7007.6*	Max WS	26.22	26.22	0.00	0.00			323.38		1142.38
Hempstead Lake	6993.85*	Max WS	26.22	26.22	0.00	0.00			323.31	0.00	1143.51
Hempstead Lake	6980.10*	Max WS	26.22	26.22	0.00	0.00			323.37	0.00	1144.66
Hempstead Lake	6966.35*	Max WS	26.22	26.22	0.00	0.00			323.37	0.00	1145.81
Hempstead Lake	6952.60*	Max WS	26.22	26.22	0.00	0.00			323.31	0.00	1146.93
Hempstead Lake	6938.85*	Max WS	26.22	26.22	0.00	0.00			323.31	0.00	1148.09
Hempstead Lake	6925.11*	Max WS	26.22	26.22	0.00	0.00			323.30	0.00	1149.33
Hempstead Lake	6911.36*	Max WS	26.22	26.22	0.00	0.00			323.30	0.01	1150.51
Hempstead Lake	6897.61*	Max WS	26.22	26.22	0.00	0.00			323.30	0.01	1151.74
Hempstead Lake	6883.86*	Max WS	26.22	26.22	0.00	0.00			323.35	0.01	1152.14
Hempstead Lake	6870.11*	Max WS	26.22	26.22	0.00	0.00			323.34	0.02	1152.54
Hempstead Lake	6856.36*	Max WS	26.22	26.22	0.00	0.00			323.34	0.02	1152.93
Hempstead Lake	6842.62*	Max WS	26.22	26.22	0.00	0.00			323.33	0.02	1150.08
Hempstead Lake	6828.87*	Max WS	26.22	26.22	0.00	0.00			323.32	0.03	1145.37
Hempstead Lake	6815.12*	Max WS	26.22	26.22	0.00	0.00			323.27	0.04	1140.64
Hempstead Lake	6801.37*	Max WS	26.22	26.22	0.00	0.00			323.31	0.04	1135.53
Hempstead Lake	6787.62*	Max WS	26.22	26.22	0.00	0.00			323.30	0.05	1130.75
Hempstead Lake	6773.87*	Max WS	26.22	26.22	0.00	0.00			323.25	0.06	1125.96
Hempstead Lake	6760.13*	Max WS	26.22	26.22	0.00	0.00			323.24	0.06	1126.40
Hempstead Lake	6746.38*	Max WS	26.22	26.22	0.00	0.00			323.27	0.07	1126.80
Hempstead Lake	6732.634	Max WS	26.22	26.22	0.00	0.00			323.14	0.20	1127.24
Hempstead Lake	6718.98*	Max WS	26.22	26.22	0.00	0.00			323.27	0.07	1125.45
Hempstead Lake	6705.33*	Max WS	26.22	26.22	0.00	0.00			323.24	0.06	1123.61
Hempstead Lake	6691.68*	Max WS	26.22	26.22	0.00	0.00			323.25	0.04	1121.72
Hempstead Lake	6678.03*	Max WS	26.22	26.22	0.00	0.00			323.26	0.03	1119.81
Hempstead Lake	6664.38*	Max WS	26.22	26.22	0.00	0.00			323.27	0.02	1117.82
Hempstead Lake	6650.72*	Max WS	26.22	26.22	0.00	0.00			323.32	0.02	1115.81
Hempstead Lake	6637.07*	Max WS	26.22	26.22	0.00	0.00			323.32	0.01	1113.15
Hempstead Lake	6623.42*	Max WS	26.22	26.22	0.00	0.00			323.29	0.01	1110.15
Hempstead Lake	6609.77*	Max WS	26.22	26.22	0.00	0.00			323.29	0.00	1107.68
Hempstead Lake	6596.12*	Max WS	26.22	26.22	0.00	0.00			323.29	0.00	1105.35
Hempstead Lake	6582.47*	Max WS	26.22	26.22	0.00	0.00			323.32	0.00	1103.09
Hempstead Lake	6568.82*	Max WS	26.22	26.22	0.00	0.00			323.29	0.00	1100.97
Hempstead Lake	6555.17*	Max WS	26.22	26.22	0.00	0.00			323.32	0.00	1098.89
Hempstead Lake	6541.52*	Max WS	26.22	26.22	0.00	0.00			323.32		1097.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	26.22	26.22	0.00	0.00			323.32		1095.24
Hempstead Lake	6514.22*	Max WS	26.22	26.22	0.00	0.00			323.29		1093.47
Hempstead Lake	6500.57*	Max WS	26.22	26.22	0.00	0.00			323.29		1091.78
Hempstead Lake	6486.91*	Max WS	26.22	26.22	0.00	0.00			323.29		1090.12
Hempstead Lake	6473.26*	Max WS	26.22	26.22	0.00	0.00			323.29		1088.45
Hempstead Lake	6459.61*	Max WS	26.22	26.22	0.00	0.00			323.29		1086.87
Hempstead Lake	6445.96*	Max WS	26.22	26.22	0.00	0.00			323.29		1085.30
Hempstead Lake	6432.31*	Max WS	26.22	26.22	0.00	0.00			323.31		1083.68
Hempstead Lake	6418.66*	Max WS	26.22	26.22	0.00	0.00			323.31		1082.11
Hempstead Lake	6405.01*	Max WS	26.22	26.22	0.00	0.00			323.31		1080.55
Hempstead Lake	6391.36*	Max WS	26.22	26.22	0.00	0.00			323.29		1078.88
Hempstead Lake	6377.71*	Max WS	26.22	26.22	0.00	0.00			323.29		1077.28
Hempstead Lake	6364.06*	Max WS	26.22	26.22	0.00	0.00			323.30		1075.62
Hempstead Lake	6350.41*	Max WS	26.22	26.22	0.00	0.00			323.29		1073.78
Hempstead Lake	6336.76*	Max WS	26.22	26.22	0.00	0.00			323.30		1071.95
Hempstead Lake	6323.11*	Max WS	26.22	26.22	0.00	0.00			323.28		1069.95
Hempstead Lake	6309.45*	Max WS	26.22	26.22	0.00	0.00			323.28		1067.58
Hempstead Lake	6295.80*	Max WS	26.22	26.22	0.00	0.00			323.29		1064.91
Hempstead Lake	6282.15*	Max WS	26.22	26.22	0.00	0.00			323.28		1061.33
Hempstead Lake	6268.507	Max WS	26.22	26.22	0.00	0.00			323.29		1056.53
Hempstead Lake	6259.72*	Max WS	26.22	26.22	0.00	0.00			323.28		1074.83
Hempstead Lake	6250.93*	Max WS	26.22	26.22	0.00	0.00			323.28		1093.68
Hempstead Lake	6242.14*	Max WS	26.22	26.22	0.00	0.00			323.29		1097.84
Hempstead Lake	6233.35*	Max WS	26.22	26.22	0.00	0.00			323.28		1086.07
Hempstead Lake	6224.57*	Max WS	26.22	26.22	0.00	0.00			323.28		1068.44
Hempstead Lake	6215.78*	Max WS	26.22	26.22	0.00	0.00			323.28		1100.37
Hempstead Lake	6206.99*	Max WS	26.22	26.22	0.00	0.00			323.28		1134.34
Hempstead Lake	6198.21*	Max WS	26.22	26.22	0.00	0.00			323.28		1169.67
Hempstead Lake	6189.42*	Max WS	26.22	26.22	0.00	0.00			323.28		1206.03
Hempstead Lake	6180.638	Max WS	26.22	26.22	0.00	0.00			323.28		1243.13
Hempstead Lake	6177.638	Max WS	26.22	26.22	0.00				323.28		1240.96
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	18.86	18.80	0.06	0.26			322.39		194.27
Hempstead Lake	5930.638	Max WS	18.50	18.48	0.02	0.10			312.29		250.05
Hempstead Lake	5880.638	Max WS	18.39	18.38	0.01	0.17			295.72		222.16
Hempstead Lake	5830.638	Max WS	17.65	17.59	0.05	0.10			325.80		237.97
Hempstead Lake	5780.638	Max WS	17.40	16.97	0.43	0.04			324.74		10.00
Hempstead Lake	5730.638	Max WS	17.36	16.93	0.44	0.04			324.72		10.00
Hempstead Lake	5680.638	Max WS	17.33	16.89	0.44	0.04			324.71		10.00
Hempstead Lake	5630.638	Max WS	17.29	16.84	0.45	0.04			325.43		10.00
Hempstead Lake	5580.638	Max WS	17.26	16.80	0.46	0.04			325.37		10.00
Hempstead Lake	5530.638	Max WS	17.22	16.75	0.46	0.04			325.30		10.00
Hempstead Lake	5480.638	Max WS	17.18	16.71	0.47	0.09			325.23		10.00
Hempstead Lake	5430.638	Max WS	17.00	16.82	0.17	0.09			325.16		11.00
Hempstead Lake	5380.638	Max WS	16.83	16.65	0.18	0.10			325.07		11.00
Hempstead Lake	5330.638	Max WS	16.66	16.47	0.19	0.17			324.98		11.00
Hempstead Lake	5307.48*	Max WS	16.48	16.25	0.24	0.24			324.95		10.00
Hempstead Lake	5284.32*	Max WS	16.24	15.93	0.31	0.34			324.92		9.00
Hempstead Lake	5261.17*	Max WS	15.86	15.45	0.40	0.50			312.03		8.00
Hempstead Lake	5238.01*	Max WS	15.28	15.19	0.09	0.19			321.69		177.86
Hempstead Lake	5214.85*	Max WS	14.94	14.92	0.02	0.03			321.24		279.48
Hempstead Lake	5191.70*	Max WS	14.88	14.88	0.01	0.01			321.14		323.52
Hempstead Lake	5168.54*	Max WS	14.87	14.87	0.00	0.00			321.12		342.18
Hempstead Lake	5145.39*	Max WS	14.87	14.87	0.00	0.00			321.13		351.62
Hempstead Lake	5122.23*	Max WS	14.87	14.87	0.00	0.00			321.13		358.60
Hempstead Lake	5099.07*	Max WS	14.87	14.87	0.00	0.00			321.11		368.00
Hempstead Lake	5075.922	Max WS	14.87	14.87	0.00	0.00			321.11		377.17
Hempstead Lake	5055.96*	Max WS	14.87	14.87	0.00	0.00			321.12		395.37
Hempstead Lake	5036.01*	Max WS	14.87	14.87	0.00	0.00			321.12		420.18
Hempstead Lake	5016.05*	Max WS	14.87	14.87	0.00	0.00			321.11		505.34
Hempstead Lake	4996.10*	Max WS	14.87	14.87	0.00	0.00			321.13		589.82
Hempstead Lake	4976.14*	Max WS	14.87	14.87	0.00	0.00			321.12		597.11
Hempstead Lake	4956.192	Max WS	14.87	14.87	0.00	0.00			321.12		599.21
Hempstead Lake	4936.44*	Max WS	14.87	14.87	0.00	0.00			321.12		617.43
Hempstead Lake	4916.69*	Max WS	14.87	14.87	0.00	0.00			321.12		660.70
Hempstead Lake	4896.94*	Max WS	14.87	14.87	0.00	0.00			321.11		705.83
Hempstead Lake	4877.19*	Max WS	14.87	14.87	0.00	0.00			321.13		759.19
Hempstead Lake	4857.44*	Max WS	14.87	14.87	0.00	0.00			321.13		800.42
Hempstead Lake	4837.697	Max WS	14.87	14.87	0.00	0.00			321.12		824.29
Hempstead Lake	4817.64*	Max WS	14.87	14.87	0.00	0.00			323.11		820.31
Hempstead Lake	4797.59*	Max WS	14.87	14.87	0.00	0.00			323.12		816.36
Hempstead Lake	4777.53*	Max WS	14.87	14.87	0.00	0.00		0.00	323.11		813.65

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	14.87	14.87	0.00	0.00		0.03	323.10		812.04
Hempstead Lake	4737.42*	Max WS	14.87	14.87	0.00	0.00		0.08	323.04		811.22
Hempstead Lake	4717.37*	Max WS	14.87	14.87	0.00	0.00		0.18	322.94		811.23
Hempstead Lake	4697.32*	Max WS	14.87	14.87	0.00	0.00		0.33	322.78		812.22
Hempstead Lake	4677.26*	Max WS	14.87	14.87	0.00	0.00		0.56	322.55		814.43
Hempstead Lake	4657.21*	Max WS	14.87	14.87	0.00	0.00		0.88	322.23		814.94
Hempstead Lake	4637.16*	Max WS	14.87	14.87	0.00	0.00		1.35	321.77		815.76
Hempstead Lake	4617.10*	Max WS	14.87	14.87	0.00	0.00		1.90	321.22		816.55
Hempstead Lake	4597.05*	Max WS	14.87	14.87	0.00	0.00		2.53	320.58		817.05
Hempstead Lake	4577.*	Max WS	14.87	14.87	0.00	0.00		3.24	319.88		817.33
Hempstead Lake	4556.94*	Max WS	14.87	14.87	0.00	0.00		4.04	319.07		817.44
Hempstead Lake	4536.893	Max WS	14.87	14.87	0.00	0.00		3.20	319.91		817.35
Hempstead Lake	4516.70*	Max WS	14.87	14.87	0.00	0.00		5.94	319.18		817.07
Hempstead Lake	4496.51*	Max WS	14.87	14.87	0.00	0.00		6.18	318.93		817.72
Hempstead Lake	4476.32*	Max WS	14.87	14.87	0.00	0.00		6.27	318.85		819.63
Hempstead Lake	4456.14*	Max WS	14.87	14.87	0.00	0.00		6.52	318.60		827.12
Hempstead Lake	4435.95*	Max WS	14.87	14.87	0.00	0.00		6.78	318.34		834.28
Hempstead Lake	4415.76*	Max WS	14.87	14.87	0.00	0.00		6.83	318.29		838.46
Hempstead Lake	4395.57*	Max WS	14.87	14.87	0.00	0.00		7.04	318.08		839.29
Hempstead Lake	4375.38*	Max WS	14.87	14.87	0.00	0.00		7.04	318.08	0.00	839.97
Hempstead Lake	4355.20*	Max WS	14.87	14.87	0.00	0.00		7.20	317.90	0.01	840.50
Hempstead Lake	4335.01*	Max WS	14.87	14.87	0.00	0.00		7.37	317.71	0.03	840.46
Hempstead Lake	4314.82*	Max WS	14.87	14.87	0.00	0.00		7.33	317.71	0.08	840.25
Hempstead Lake	4294.63*	Max WS	14.87	14.87	0.00	0.00		7.51	317.46	0.14	840.01
Hempstead Lake	4274.44*	Max WS	14.87	14.87	0.00	0.00		7.46	317.42	0.23	839.56
Hempstead Lake	4254.26*	Max WS	14.87	14.87	0.00	0.00		7.62	317.14	0.35	838.98
Hempstead Lake	4234.07*	Max WS	14.87	14.87	0.00	0.00		7.79	316.84	0.48	838.34
Hempstead Lake	4213.88*	Max WS	14.87	14.87	0.00	0.00		7.71	316.76	0.64	837.53
Hempstead Lake	4193.69*	Max WS	14.87	14.87	0.00	0.00		7.88	316.42	0.81	836.67
Hempstead Lake	4173.50*	Max WS	14.87	14.87	0.00	0.00		7.80	316.31	1.01	835.66
Hempstead Lake	4153.320	Max WS	14.87	14.87	0.00	0.00		3.23	320.65	1.24	834.65
Hempstead Lake	4131.85*	Max WS	14.87	14.87	0.00	0.00		6.56	319.23	1.32	832.80
Hempstead Lake	4110.38*	Max WS	14.87	14.87	0.00	0.00		5.62	320.07	1.42	830.67
Hempstead Lake	4088.91*	Max WS	14.87	14.87	0.00	0.00		4.87	320.72	1.52	828.11
Hempstead Lake	4067.44*	Max WS	14.87	14.87	0.00	0.00		3.99	321.48	1.64	825.07
Hempstead Lake	4045.97*	Max WS	14.87	14.87	0.00	0.00		3.19	322.15	1.76	821.37
Hempstead Lake	4024.50*	Max WS	14.87	14.87	0.00	0.00		2.59	322.63	1.89	816.71
Hempstead Lake	4003.034	Max WS	14.87	14.87	0.00	0.00		0.81	324.26	2.04	810.91
Hempstead Lake	4002		Lat Struct								
Hempstead Lake	3984.01*	Max WS	14.87	14.87	0.00	0.00		1.19	311.49	1.44	793.94
Hempstead Lake	3964.99*	Max WS	14.87	14.87	0.00	0.00		0.88	312.28	0.95	777.05
Hempstead Lake	3945.97*	Max WS	14.87	14.87	0.00	0.00		0.54	313.04	0.53	759.71
Hempstead Lake	3926.95*	Max WS	14.87	14.87	0.00	0.00		0.25	313.68	0.19	741.41
Hempstead Lake	3907.93*	Max WS	14.87	14.87	0.00	0.00		0.03	314.06	0.01	720.36
Hempstead Lake	3888.916	Max WS	14.87	14.87	0.00	0.00			316.11		696.04
Hempstead Lake	3883.916	Max WS	14.87	14.87	0.00				316.11		694.07
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	12.14	12.05	0.09	0.00			316.09		223.95
Hempstead Lake	3858.916	Max WS	12.10	12.09	0.00	0.00			316.09		224.23
Hempstead Lake	3826.579	Max WS	12.12	12.05	0.07	0.00			316.09		107.74
Hempstead Lake	3821.579	Max WS	12.15	11.82	0.33				316.09		73.31
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	11.10	10.84	0.25	0.00			316.09		26.47
Hempstead Lake	3736.579	Max WS	11.09	10.94	0.15	0.03			316.09		32.80
Hempstead Lake	3699.46*	Max WS	11.06	10.93	0.13	0.04			316.09		40.13
Hempstead Lake	3662.35*	Max WS	11.01	10.90	0.11	0.06			316.08		47.83
Hempstead Lake	3625.24*	Max WS	10.95	10.87	0.08	0.06			316.08		137.85
Hempstead Lake	3588.13*	Max WS	10.88	10.85	0.03	0.02			316.08		193.78
Hempstead Lake	3551.028	Max WS	10.86	10.85	0.01	0.01			316.08		258.89
Hempstead Lake	3531.67*	Max WS	10.85	10.84	0.02	0.01			316.08		235.18
Hempstead Lake	3512.33*	Max WS	10.85	10.83	0.02	0.01			316.08		217.43
Hempstead Lake	3492.98*	Max WS	10.84	10.82	0.02	0.01			316.08		203.91
Hempstead Lake	3473.63*	Max WS	10.83	10.81	0.02	0.01			316.08		193.73
Hempstead Lake	3454.28*	Max WS	10.82	10.80	0.02	0.01			316.08		185.45
Hempstead Lake	3434.93*	Max WS	10.82	10.80	0.02	0.01			316.08		178.41
Hempstead Lake	3415.58*	Max WS	10.81	10.79	0.02	0.01			316.08		172.13
Hempstead Lake	3396.239	Max WS	10.81	10.79	0.02	0.00			316.07		167.05
Hempstead Lake	3376.88*	Max WS	10.80	10.78	0.02	0.00			316.08		167.63
Hempstead Lake	3357.52*	Max WS	10.80	10.78	0.02	0.00			316.08		168.58
Hempstead Lake	3338.16*	Max WS	10.79	10.77	0.02	0.00			316.08		169.12
Hempstead Lake	3318.80*	Max WS	10.79	10.77	0.02	0.00			316.08		169.86
Hempstead Lake	3299.44*	Max WS	10.78	10.76	0.02	0.01			316.08		170.32

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

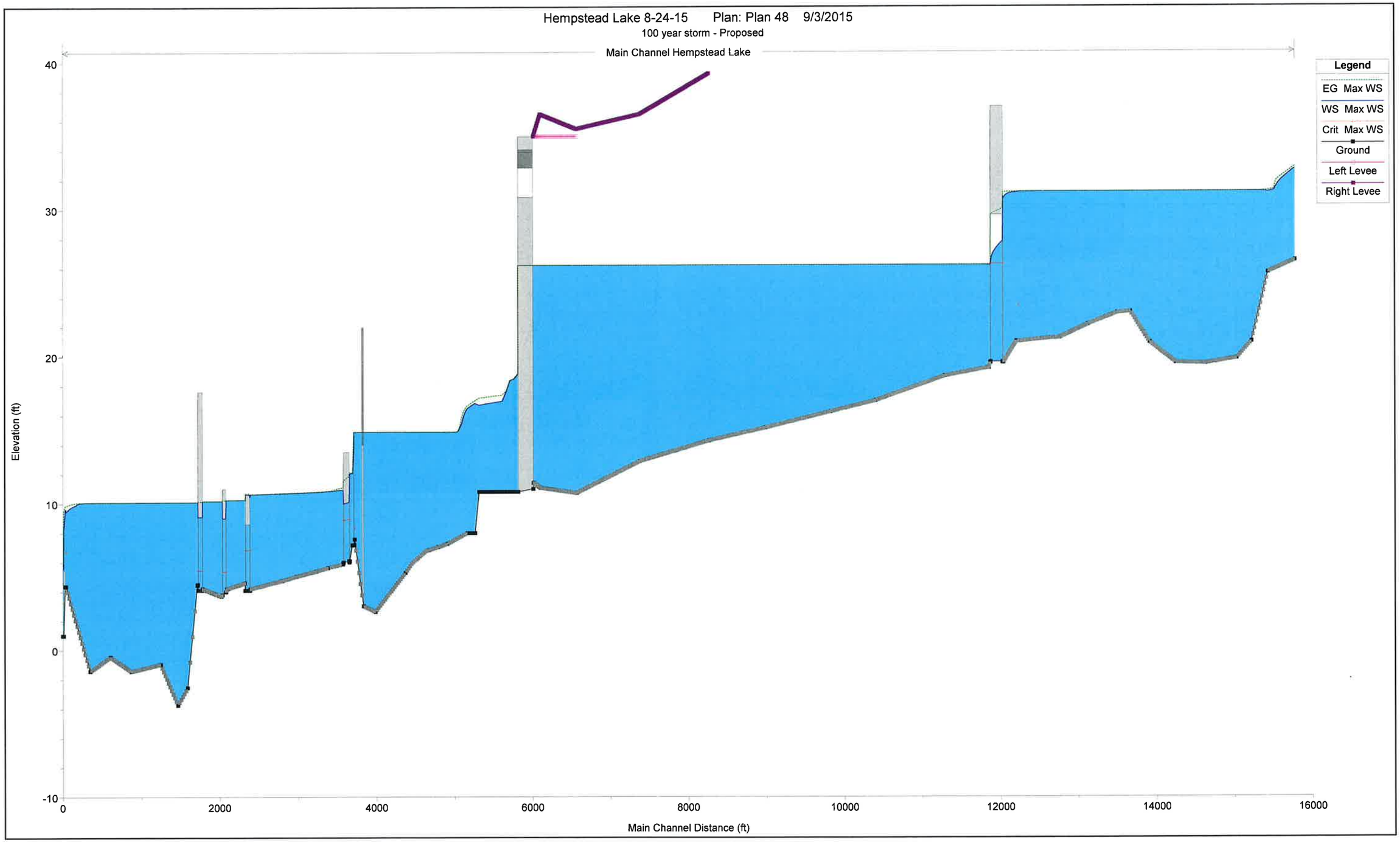
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3280.08*	Max WS	10.78	10.76	0.02	0.01			316.08		171.09
Hempstead Lake	3260.73*	Max WS	10.77	10.75	0.02	0.01			316.07		171.48
Hempstead Lake	3241.37*	Max WS	10.77	10.75	0.02	0.01			316.07		171.83
Hempstead Lake	3222.01*	Max WS	10.76	10.74	0.02	0.01			316.07		172.47
Hempstead Lake	3202.65*	Max WS	10.76	10.74	0.02	0.01			316.07		172.73
Hempstead Lake	3183.29*	Max WS	10.75	10.73	0.02	0.01			316.07		173.04
Hempstead Lake	3163.93*	Max WS	10.75	10.73	0.02	0.00			316.07		173.21
Hempstead Lake	3144.581	Max WS	10.74	10.73	0.02	0.00			316.07		173.56
Hempstead Lake	3124.73*	Max WS	10.74	10.72	0.02	0.00			316.07		174.51
Hempstead Lake	3104.89*	Max WS	10.73	10.72	0.02	0.00			316.07		175.60
Hempstead Lake	3085.04*	Max WS	10.73	10.72	0.01	0.00			316.07		176.78
Hempstead Lake	3065.2*	Max WS	10.73	10.71	0.01	0.00			316.07		177.58
Hempstead Lake	3045.35*	Max WS	10.72	10.71	0.01	0.00			316.07		178.89
Hempstead Lake	3025.51*	Max WS	10.72	10.71	0.01	0.00			316.07		180.00
Hempstead Lake	3005.66*	Max WS	10.72	10.70	0.01	0.00			316.05		181.16
Hempstead Lake	2985.81*	Max WS	10.71	10.70	0.01	0.00			316.05		181.97
Hempstead Lake	2965.974	Max WS	10.71	10.70	0.01	0.00			316.05		183.08
Hempstead Lake	2951.87*	Max WS	10.71	10.70	0.01	0.00			316.05		185.59
Hempstead Lake	2937.77*	Max WS	10.71	10.69	0.01	0.00			316.05		188.27
Hempstead Lake	2923.67*	Max WS	10.70	10.69	0.01	0.00			316.05		190.75
Hempstead Lake	2909.57*	Max WS	10.70	10.69	0.01	0.00			316.05		193.49
Hempstead Lake	2895.47*	Max WS	10.70	10.69	0.01	0.00			316.05		195.99
Hempstead Lake	2881.37*	Max WS	10.70	10.68	0.01	0.00			316.05		198.82
Hempstead Lake	2867.27*	Max WS	10.69	10.68	0.01	0.00			316.05		201.44
Hempstead Lake	2853.17*	Max WS	10.69	10.68	0.01	0.00			316.05		204.36
Hempstead Lake	2839.07*	Max WS	10.69	10.68	0.01	0.00			316.05		206.99
Hempstead Lake	2824.98*	Max WS	10.69	10.67	0.01	0.00			316.05		210.01
Hempstead Lake	2810.88*	Max WS	10.68	10.67	0.01	0.00			316.05		212.78
Hempstead Lake	2796.78*	Max WS	10.68	10.67	0.01	0.00			316.05		215.84
Hempstead Lake	2782.68*	Max WS	10.68	10.66	0.01	0.00			316.05		218.69
Hempstead Lake	2768.58*	Max WS	10.67	10.66	0.01	0.00			316.05		221.92
Hempstead Lake	2754.48*	Max WS	10.67	10.66	0.01	0.00			316.05		224.82
Hempstead Lake	2740.38*	Max WS	10.67	10.66	0.01	0.00			316.05		228.17
Hempstead Lake	2726.28*	Max WS	10.67	10.65	0.01	0.00			316.04		231.26
Hempstead Lake	2712.18*	Max WS	10.66	10.65	0.01	0.00			316.04		235.02
Hempstead Lake	2698.08*	Max WS	10.66	10.65	0.01	0.00			316.04		238.16
Hempstead Lake	2683.98*	Max WS	10.66	10.65	0.01	0.00			316.04		241.52
Hempstead Lake	2669.88*	Max WS	10.66	10.64	0.01	0.00			316.04		245.55
Hempstead Lake	2655.78*	Max WS	10.65	10.64	0.01	0.00			316.04		248.62
Hempstead Lake	2641.68*	Max WS	10.65	10.64	0.01	0.00			316.04		252.58
Hempstead Lake	2627.58*	Max WS	10.65	10.64	0.01	0.00			316.04		256.32
Hempstead Lake	2613.48*	Max WS	10.65	10.64	0.01	0.00			316.02		260.55
Hempstead Lake	2599.38*	Max WS	10.65	10.63	0.01	0.00			316.02		264.65
Hempstead Lake	2585.29*	Max WS	10.64	10.63	0.01	0.00			316.02		269.04
Hempstead Lake	2571.19*	Max WS	10.64	10.63	0.01	0.00			316.04		273.98
Hempstead Lake	2557.091	Max WS	10.64	10.61	0.02	0.00			315.86		275.12
Hempstead Lake	2552.091	Max WS	10.69	10.46	0.23				315.65		54.44
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	10.27	10.24	0.03	0.00			111.97		37.84
Hempstead Lake	2487.091	Max WS	10.26	10.26	0.00	0.00			113.34		323.05
Hempstead Lake	2477.12*	Max WS	10.26	10.26	0.00	0.00			113.34		318.58
Hempstead Lake	2467.14*	Max WS	10.26	10.26	0.00	0.00			112.96		313.98
Hempstead Lake	2457.17*	Max WS	10.26	10.25	0.00	0.00			112.96		309.55
Hempstead Lake	2447.20*	Max WS	10.26	10.25	0.00	0.00			112.95		305.01
Hempstead Lake	2437.23*	Max WS	10.26	10.25	0.00	0.00			112.95		300.78
Hempstead Lake	2427.26*	Max WS	10.25	10.25	0.00	0.00			112.95		296.28
Hempstead Lake	2417.29*	Max WS	10.25	10.25	0.00	0.00			112.94		291.99
Hempstead Lake	2407.32*	Max WS	10.25	10.25	0.00	0.00			112.94		287.84
Hempstead Lake	2397.35*	Max WS	10.25	10.25	0.00	0.00			112.94		283.13
Hempstead Lake	2387.37*	Max WS	10.25	10.25	0.00	0.00			112.94		278.85
Hempstead Lake	2377.40*	Max WS	10.25	10.25	0.00	0.00			112.93		260.16
Hempstead Lake	2367.43*	Max WS	10.25	10.25	0.00	0.00			112.93		252.09
Hempstead Lake	2357.46*	Max WS	10.25	10.25	0.00	0.00			112.93		246.19
Hempstead Lake	2347.49*	Max WS	10.25	10.25	0.00	0.00			112.93		240.92
Hempstead Lake	2337.52*	Max WS	10.25	10.25	0.00	0.00			112.93		236.93
Hempstead Lake	2327.55*	Max WS	10.25	10.25	0.00	0.00			112.93		233.26
Hempstead Lake	2317.58*	Max WS	10.25	10.25	0.00	0.00			112.93		231.61
Hempstead Lake	2307.60*	Max WS	10.25	10.25	0.00	0.00			112.93		230.70
Hempstead Lake	2297.63*	Max WS	10.25	10.25	0.00	0.00			112.93		238.76
Hempstead Lake	2287.66*	Max WS	10.25	10.25	0.00	0.00			112.57		266.29
Hempstead Lake	2277.69*	Max WS	10.25	10.25	0.00	0.00			112.57		291.02
Hempstead Lake	2267.72*	Max WS	10.25	10.25	0.00	0.00			112.56		316.29

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2257.752	Max WS	10.25	10.25	0.00	0.00			112.56		341.47
Hempstead Lake	2252.75*	Max WS	10.25	10.24	0.00	0.00			112.56		332.81
Hempstead Lake	2247.752	Max WS	10.25	10.24	0.01				110.77		318.08
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	10.18	10.17	0.00	0.00			99.38		62.75
Hempstead Lake	2192.75*	Max WS	10.18	10.18	0.00	0.00		0.01	99.71		121.22
Hempstead Lake	2187.752	Max WS	10.18	10.18	0.00	0.00		8.68	91.04		238.73
Hempstead Lake	2178.63*	Max WS	10.18	10.18	0.00	0.00		6.03	93.69		229.57
Hempstead Lake	2169.52*	Max WS	10.18	10.18	0.00	0.00		3.71	96.01		220.23
Hempstead Lake	2160.40*	Max WS	10.18	10.18	0.00	0.00		1.84	97.88		210.69
Hempstead Lake	2151.29*	Max WS	10.18	10.18	0.00	0.00		0.51	99.21		200.91
Hempstead Lake	2142.17*	Max WS	10.18	10.18	0.00	0.00		0.02	99.35		135.75
Hempstead Lake	2133.05*	Max WS	10.18	10.18	0.00	0.00			99.37		93.10
Hempstead Lake	2123.94*	Max WS	10.18	10.17	0.00	0.00			99.37		91.20
Hempstead Lake	2114.82*	Max WS	10.18	10.17	0.00	0.00			99.37		89.48
Hempstead Lake	2105.71*	Max WS	10.18	10.17	0.00	0.00			99.37		87.93
Hempstead Lake	2096.59*	Max WS	10.18	10.17	0.00	0.00			99.37		86.45
Hempstead Lake	2087.48*	Max WS	10.18	10.17	0.00	0.00			99.37		85.07
Hempstead Lake	2078.36*	Max WS	10.18	10.17	0.00	0.00			99.37		83.61
Hempstead Lake	2069.25*	Max WS	10.18	10.17	0.00	0.00			99.37		81.36
Hempstead Lake	2060.13*	Max WS	10.18	10.17	0.00	0.00			99.37		79.20
Hempstead Lake	2051.01*	Max WS	10.18	10.17	0.00	0.00			99.37		77.21
Hempstead Lake	2041.90*	Max WS	10.18	10.17	0.00	0.00			99.37		75.25
Hempstead Lake	2032.78*	Max WS	10.18	10.17	0.00	0.00			99.02		73.47
Hempstead Lake	2023.67*	Max WS	10.18	10.17	0.00	0.00			99.02		71.75
Hempstead Lake	2014.55*	Max WS	10.18	10.17	0.00	0.00			99.02		70.16
Hempstead Lake	2005.44*	Max WS	10.17	10.17	0.00	0.00			99.02		68.55
Hempstead Lake	1996.32*	Max WS	10.17	10.17	0.00	0.00			99.02		67.09
Hempstead Lake	1987.20*	Max WS	10.17	10.17	0.00	0.00			99.02		65.67
Hempstead Lake	1978.09*	Max WS	10.17	10.17	0.00	0.00			99.02		64.34
Hempstead Lake	1968.97*	Max WS	10.17	10.17	0.00	0.00			99.02		62.99
Hempstead Lake	1959.86*	Max WS	10.17	10.17	0.00	0.00			99.02		61.76
Hempstead Lake	1950.747	Max WS	10.17	10.17	0.00	0.00			98.67		60.54
Hempstead Lake	1945.747	Max WS	10.18	10.16	0.02				97.28		17.72
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	10.11	10.09	0.02	0.00			88.56		14.00
Hempstead Lake	1880.747	Max WS	10.10	10.10	0.00	0.00			89.68		135.86
Hempstead Lake	1848.83*	Max WS	10.10	10.10	0.00	0.00			89.68		409.03
Hempstead Lake	1816.92*	Max WS	10.10	10.10	0.00	0.00			89.67		635.43
Hempstead Lake	1785.01*	Max WS	10.10	10.10	0.00	0.00		0.01	89.65	0.00	828.65
Hempstead Lake	1753.104	Max WS	10.10	10.10	0.00	0.00		0.07	89.57	0.01	1010.79
Hempstead Lake	1732.65*	Max WS	10.10	10.10	0.00	0.00		0.19	89.39	0.04	1017.93
Hempstead Lake	1712.21*	Max WS	10.10	10.10	0.00	0.00		0.23	89.29	0.10	1029.01
Hempstead Lake	1691.76*	Max WS	10.10	10.10	0.00	0.00		0.26	89.14	0.21	1044.40
Hempstead Lake	1671.32*	Max WS	10.10	10.10	0.00	0.00		0.31	88.91	0.38	1066.36
Hempstead Lake	1650.87*	Max WS	10.10	10.10	0.00	0.00		0.36	88.55	0.68	1092.73
Hempstead Lake	1630.434	Max WS	10.10	10.10	0.00	0.00		0.19	88.16	1.23	1190.59
Hempstead Lake	1610.36*	Max WS	10.10	10.10	0.00	0.00		0.29	88.20	1.08	1165.14
Hempstead Lake	1590.30*	Max WS	10.10	10.10	0.00	0.00		0.15	88.52	0.89	1096.56
Hempstead Lake	1570.23*	Max WS	10.10	10.10	0.00	0.00		0.06	88.76	0.72	1050.77
Hempstead Lake	1550.17*	Max WS	10.10	10.10	0.00	0.00		0.02	88.93	0.58	1026.77
Hempstead Lake	1530.10*	Max WS	10.10	10.10	0.00	0.00		0.00	89.06	0.46	1001.73
Hempstead Lake	1510.03*	Max WS	10.10	10.10	0.00	0.00			89.17	0.34	976.08
Hempstead Lake	1489.97*	Max WS	10.10	10.10	0.00	0.00			89.26	0.24	949.48
Hempstead Lake	1469.90*	Max WS	10.10	10.10	0.00	0.00			89.33	0.16	921.82
Hempstead Lake	1449.83*	Max WS	10.10	10.10	0.00	0.00			89.38	0.10	893.25
Hempstead Lake	1429.77*	Max WS	10.10	10.10	0.00	0.00			89.42	0.05	863.08
Hempstead Lake	1409.707	Max WS	10.10	10.10	0.00	0.00			89.41	0.06	831.86
Hempstead Lake	1389.03*	Max WS	10.10	10.09	0.00	0.00			2214.90	0.91	832.95
Hempstead Lake	1368.35*	Max WS	10.10	10.09	0.00	0.00			2214.47	1.33	833.51
Hempstead Lake	1347.67*	Max WS	10.10	10.09	0.00	0.00			2213.97	1.82	833.77
Hempstead Lake	1326.99*	Max WS	10.10	10.09	0.00	0.00			2213.40	2.37	833.55
Hempstead Lake	1306.32*	Max WS	10.10	10.09	0.00	0.00			2212.65	3.11	833.35
Hempstead Lake	1285.64*	Max WS	10.10	10.09	0.00	0.00			2211.94	3.82	832.74
Hempstead Lake	1264.96*	Max WS	10.10	10.09	0.00	0.00			2211.15	4.60	832.29
Hempstead Lake	1244.28*	Max WS	10.10	10.09	0.00	0.00			2210.29	5.45	831.63
Hempstead Lake	1223.61*	Max WS	10.10	10.09	0.00	0.00			2209.35	6.38	831.27
Hempstead Lake	1202.93*	Max WS	10.10	10.09	0.00	0.00			2208.35	7.36	830.69
Hempstead Lake	1182.25*	Max WS	10.10	10.09	0.00	0.00			2207.28	8.42	830.34
Hempstead Lake	1161.57*	Max WS	10.10	10.09	0.00	0.00			2206.15	9.54	830.02
Hempstead Lake	1140.90*	Max WS	10.10	10.09	0.00	0.00			2204.97	10.71	829.58
Hempstead Lake	1120.22*	Max WS	10.10	10.09	0.00	0.00			2203.30	12.37	829.42

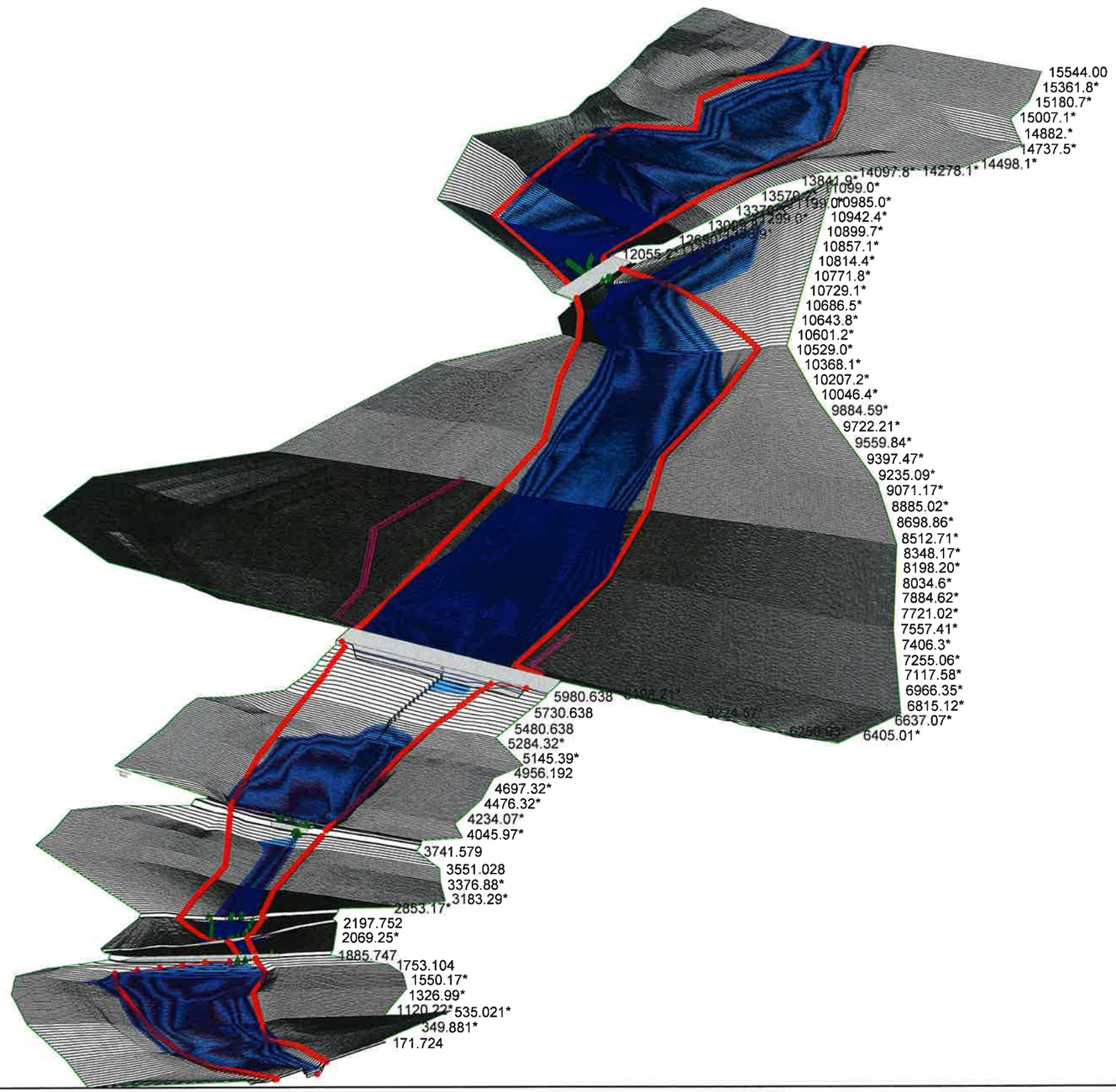
HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1099.54*	Max WS	10.10	10.09	0.00	0.00			2201.96	13.70	829.10
Hempstead Lake	1078.87*	Max WS	10.10	10.09	0.00	0.00			2200.53	15.13	829.12
Hempstead Lake	1058.19*	Max WS	10.10	10.09	0.00	0.00		0.00	2199.06	16.58	829.21
Hempstead Lake	1037.515	Max WS	10.10	10.09	0.00	0.00		0.01	2175.44	40.18	829.61
Hempstead Lake	1017.08*	Max WS	10.09	10.09	0.00	0.00		0.15	2205.62	19.63	823.83
Hempstead Lake	996.645*	Max WS	10.09	10.09	0.00	0.00		0.46	2201.11	23.82	818.20
Hempstead Lake	976.210*	Max WS	10.09	10.09	0.00	0.00		1.04	2196.66	27.68	812.08
Hempstead Lake	955.775*	Max WS	10.09	10.09	0.00	0.00		2.03	2190.79	32.55	805.94
Hempstead Lake	935.340*	Max WS	10.09	10.09	0.00	0.00		3.41	2184.70	37.24	799.78
Hempstead Lake	914.905*	Max WS	10.09	10.09	0.00	0.00		5.43	2176.92	42.99	793.35
Hempstead Lake	894.471*	Max WS	10.09	10.09	0.00	0.00		8.32	2168.73	48.29	787.24
Hempstead Lake	874.036*	Max WS	10.09	10.09	0.00	0.00		11.96	2158.58	54.79	781.29
Hempstead Lake	853.601*	Max WS	10.09	10.09	0.00	0.00		16.32	2148.09	60.91	775.62
Hempstead Lake	833.166*	Max WS	10.09	10.09	0.00	0.00		22.12	2134.90	68.29	770.68
Hempstead Lake	812.731*	Max WS	10.09	10.09	0.00	0.00		29.59	2120.75	74.96	765.76
Hempstead Lake	792.296*	Max WS	10.09	10.09	0.00	0.00		38.23	2103.93	83.13	762.38
Hempstead Lake	771.862	Max WS	10.09	10.09	0.00	0.00		19.39	2122.01	83.88	759.70
Hempstead Lake	750.331*	Max WS	10.09	10.09	0.00	0.00		27.52	2130.80	70.57	732.51
Hempstead Lake	728.8*	Max WS	10.09	10.09	0.00	0.00		12.87	2160.16	55.84	713.98
Hempstead Lake	707.269*	Max WS	10.09	10.09	0.00	0.00		4.36	2181.97	42.53	690.07
Hempstead Lake	685.738*	Max WS	10.09	10.09	0.00	0.00		0.78	2196.10	31.97	661.68
Hempstead Lake	664.207*	Max WS	10.09	10.09	0.00	0.00		0.00	2205.39	23.46	641.85
Hempstead Lake	642.676*	Max WS	10.09	10.09	0.00	0.00			2212.11	16.73	624.53
Hempstead Lake	621.145*	Max WS	10.09	10.09	0.00	0.00			2217.74	11.09	608.59
Hempstead Lake	599.614*	Max WS	10.09	10.09	0.00	0.00			2222.14	6.68	593.81
Hempstead Lake	578.083*	Max WS	10.09	10.09	0.00	0.00			2225.15	3.66	577.77
Hempstead Lake	556.552*	Max WS	10.09	10.09	0.00	0.00			2226.80	2.01	558.26
Hempstead Lake	535.021*	Max WS	10.09	10.08	0.00	0.00			2227.88	0.92	541.32
Hempstead Lake	513.490	Max WS	10.09	10.08	0.00	0.00			2227.94	0.85	528.15
Hempstead Lake	493.038*	Max WS	10.09	10.08	0.01	0.00			2237.71	0.12	511.17
Hempstead Lake	472.587*	Max WS	10.09	10.08	0.01	0.00			2237.82	0.00	494.18
Hempstead Lake	452.136*	Max WS	10.09	10.08	0.01	0.00			2237.82		477.53
Hempstead Lake	431.685*	Max WS	10.09	10.07	0.01	0.00			2237.81		464.29
Hempstead Lake	411.234*	Max WS	10.08	10.07	0.02	0.00			2237.81		450.78
Hempstead Lake	390.783*	Max WS	10.08	10.06	0.02	0.00			2237.80		436.59
Hempstead Lake	370.332*	Max WS	10.08	10.04	0.04	0.01			2237.79		421.49
Hempstead Lake	349.881*	Max WS	10.07	9.99	0.07	0.01			2237.77		396.10
Hempstead Lake	329.430*	Max WS	10.06	9.90	0.15	0.02			2237.78		199.53
Hempstead Lake	308.979*	Max WS	10.04	9.86	0.18	0.02			2237.78		131.50
Hempstead Lake	288.528*	Max WS	10.02	9.80	0.21	0.03			2237.78		124.46
Hempstead Lake	268.077*	Max WS	9.99	9.74	0.25	0.04			2237.78		118.34
Hempstead Lake	247.626*	Max WS	9.95	9.66	0.29	0.05			2237.78		112.87
Hempstead Lake	227.175*	Max WS	9.91	9.56	0.35	0.04			2237.78		108.02
Hempstead Lake	206.724	Max WS	9.87	9.45	0.42	0.01			2237.78		103.85
Hempstead Lake	201.724	Max WS	9.86	9.62	0.24				2237.78		115.55
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	5.83	5.57	0.26	0.00		654.22	1583.56		127.11
Hempstead Lake	166.724	Max WS	5.82	5.56	0.26			654.18	1583.60		127.09


Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015
100 year storm - Proposed
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015

100 year storm - Proposed



Legend

WS Max WS

Ground

Bank Sta

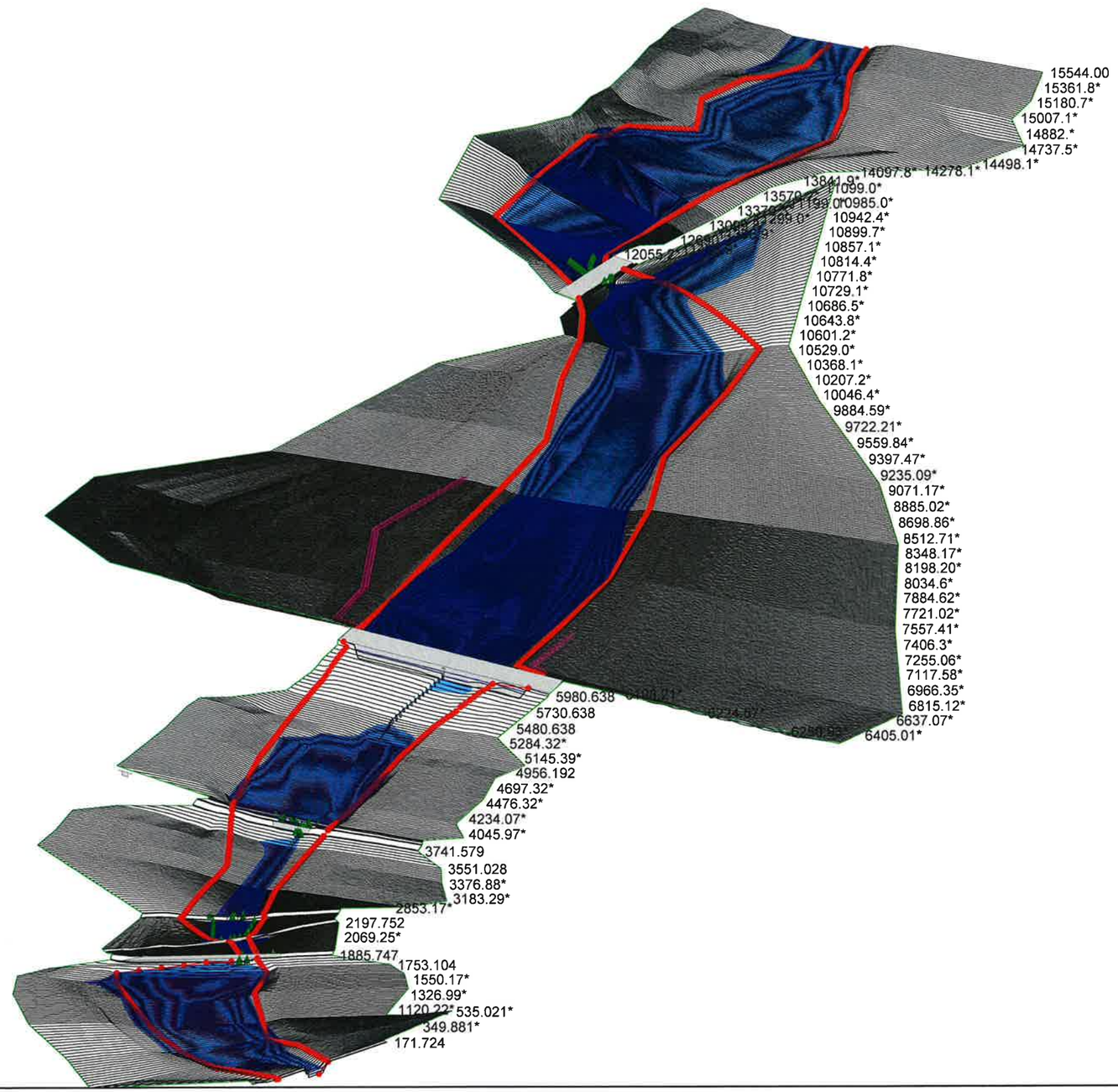
Ground

Ineff

Levee

Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015

100 year storm - Proposed



Legend

- WS Max WS
- Ground
- Bank Sta
- Ground
- Ineff
- Levee

Proposed Half PMF Overtop Breach 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	10322.07	26.48	40.84		40.88	0.000055	1.90	6393.09	734.80	0.10
Hempstead Lake	15523.7*	Max WS	10322.03	26.43	40.84		40.88	0.000283	1.81	6412.72	729.82	0.09
Hempstead Lake	15503.5*	Max WS	10321.98	26.38	40.83		40.87	0.000263	1.80	6427.50	722.10	0.09
Hempstead Lake	15483.3*	Max WS	10307.35	26.34	40.83		40.87	0.000237	1.79	6440.77	711.46	0.09
Hempstead Lake	15463.0*	Max WS	10307.30	26.29	40.82		40.86	0.000213	1.78	6453.60	700.73	0.09
Hempstead Lake	15442.8*	Max WS	10292.77	26.24	40.82		40.86	0.000197	1.77	6466.28	696.08	0.09
Hempstead Lake	15422.5*	Max WS	10292.74	26.19	40.82		40.86	0.000179	1.77	6477.23	696.60	0.09
Hempstead Lake	15402.3*	Max WS	10292.69	26.15	40.81		40.85	0.000162	1.78	6483.47	698.28	0.09
Hempstead Lake	15382.1*	Max WS	10278.35	26.10	40.81		40.85	0.000151	1.77	6487.71	699.62	0.09
Hempstead Lake	15361.8*	Max WS	10278.32	26.05	40.81		40.85	0.000135	1.78	6487.98	700.70	0.09
Hempstead Lake	15341.6*	Max WS	10278.28	26.00	40.80		40.84	0.000126	1.78	6485.61	701.36	0.09
Hempstead Lake	15321.4*	Max WS	10278.22	25.96	40.80		40.84	0.000112	1.78	6480.24	701.57	0.09
Hempstead Lake	15301.1*	Max WS	10264.10	25.91	40.80		40.84	0.000099	1.78	6471.96	701.32	0.09
Hempstead Lake	15280.9*	Max WS	10264.07	25.86	40.80		40.84	0.000091	1.78	6461.70	700.54	0.09
Hempstead Lake	15260.7*	Max WS	10264.03	25.81	40.80		40.84	0.000079	1.78	6449.05	699.12	0.09
Hempstead Lake	15240.4*	Max WS	10263.98	25.77	40.79		40.84	0.000068	1.78	6434.38	696.91	0.09
Hempstead Lake	15220.2*	Max WS	10263.91	25.72	40.79		40.84	0.000061	1.78	6417.65	693.69	0.09
Hempstead Lake	15200.02	Max WS	10263.84	25.67	40.79		40.83	0.000051	1.78	6401.12	689.55	0.09
Hempstead Lake	15180.7*	Max WS	10263.77	25.24	40.80		40.83	0.000056	1.70	6773.76	722.50	0.09
Hempstead Lake	15161.4*	Max WS	10263.72	24.82	40.80		40.83	0.000060	1.61	7172.15	753.25	0.08
Hempstead Lake	15142.1*	Max WS	10263.69	24.39	40.80		40.83	0.000063	1.53	7594.70	781.70	0.08
Hempstead Lake	15122.8*	Max WS	10277.25	23.96	40.80		40.83	0.000064	1.44	8037.22	808.10	0.07
Hempstead Lake	15103.5*	Max WS	10277.17	23.53	40.80		40.83	0.000064	1.36	8499.06	831.39	0.06
Hempstead Lake	15084.2*	Max WS	10277.11	23.11	40.81		40.83	0.000066	1.28	8979.12	853.60	0.06
Hempstead Lake	15064.9*	Max WS	10277.05	22.68	40.81		40.83	0.000065	1.21	9475.30	875.05	0.06
Hempstead Lake	15045.6*	Max WS	10276.99	22.25	40.81		40.83	0.000063	1.14	9987.84	896.68	0.05
Hempstead Lake	15026.4*	Max WS	10276.94	21.82	40.81		40.82	0.000062	1.08	10517.09	917.61	0.05
Hempstead Lake	15007.1*	Max WS	10276.88	21.40	40.81		40.82	0.000060	1.02	11060.51	938.32	0.05
Hempstead Lake	14987.82	Max WS	10276.84	20.97	40.81		40.82	0.000010	1.00	11620.73	958.87	0.04
Hempstead Lake	14966.6*	Max WS	10329.01	20.84	40.81		40.82	0.000056	0.96	11921.36	977.58	0.04
Hempstead Lake	14945.4*	Max WS	10328.96	20.72	40.81		40.82	0.000053	0.93	12227.04	995.58	0.04
Hempstead Lake	14924.3*	Max WS	10328.90	20.59	40.81		40.82	0.000049	0.90	12543.47	1012.96	0.04
Hempstead Lake	14903.1*	Max WS	10328.84	20.46	40.81		40.82	0.000046	0.88	12867.11	1029.89	0.04
Hempstead Lake	14882.*	Max WS	10328.77	20.34	40.81		40.82	0.000043	0.85	13200.70	1046.70	0.04
Hempstead Lake	14860.8*	Max WS	10328.69	20.21	40.81		40.82	0.000040	0.83	13543.08	1062.80	0.04
Hempstead Lake	14839.6*	Max WS	10328.61	20.08	40.81		40.82	0.000038	0.80	13894.00	1078.37	0.03
Hempstead Lake	14818.5*	Max WS	10328.51	19.96	40.81		40.82	0.000035	0.78	14289.34	1215.74	0.03
Hempstead Lake	14797.35	Max WS	10328.40	19.83	40.81		40.81	0.000006	0.78	14860.23	1394.36	0.03
Hempstead Lake	14777.4*	Max WS	10328.29	19.81	40.81		40.81	0.000029	0.74	15038.11	1374.53	0.03
Hempstead Lake	14757.4*	Max WS	10328.18	19.80	40.81		40.81	0.000026	0.73	15244.68	1277.03	0.03
Hempstead Lake	14737.5*	Max WS	10328.08	19.78	40.81		40.81	0.000023	0.71	15484.01	1225.89	0.03
Hempstead Lake	14717.5*	Max WS	10327.98	19.76	40.81		40.81	0.000021	0.70	15763.71	1164.79	0.03
Hempstead Lake	14697.6*	Max WS	10327.88	19.74	40.81		40.81	0.000019	0.69	16054.37	1180.11	0.03
Hempstead Lake	14677.6*	Max WS	10327.78	19.73	40.81		40.81	0.000017	0.68	16347.04	1195.98	0.03
Hempstead Lake	14657.7*	Max WS	10327.67	19.71	40.81		40.81	0.000015	0.67	16644.39	1212.50	0.03
Hempstead Lake	14637.7*	Max WS	10316.25	19.69	40.81		40.81	0.000013	0.65	16944.24	1235.75	0.03
Hempstead Lake	14617.8*	Max WS	10316.24	19.67	40.81		40.81	0.000012	0.64	17249.00	1258.51	0.03
Hempstead Lake	14597.8*	Max WS	10316.22	19.65	40.81		40.81	0.000011	0.63	17559.68	1293.06	0.03
Hempstead Lake	14577.9*	Max WS	10327.22	19.64	40.81		40.81	0.000009	0.62	17881.24	1388.19	0.03
Hempstead Lake	14557.9*	Max WS	10316.20	19.62	40.81		40.81	0.000008	0.61	18223.56	1439.14	0.03
Hempstead Lake	14538.0*	Max WS	10316.18	19.60	40.81		40.81	0.000007	0.60	18580.71	1500.52	0.02
Hempstead Lake	14518.0*	Max WS	10326.83	19.58	40.81		40.81	0.000006	0.59	18959.03	1546.55	0.02
Hempstead Lake	14498.1*	Max WS	10326.68	19.57	40.81		40.81	0.000005	0.58	19364.40	1616.21	0.02
Hempstead Lake	14478.1*	Max WS	10316.13	19.55	40.81		40.81	0.000005	0.57	19805.42	1663.47	0.02
Hempstead Lake	14458.2*	Max WS	10326.36	19.53	40.81		40.81	0.000004	0.56	20273.11	1721.24	0.02
Hempstead Lake	14438.2*	Max WS	10326.21	19.51	40.81		40.81	0.000003	0.56	20749.55	1740.83	0.02
Hempstead Lake	14418.3*	Max WS	10316.09	19.50	40.81		40.81	0.000003	0.55	21227.83	1758.53	0.02
Hempstead Lake	14398.37	Max WS	10325.87	19.48	40.81		40.81	0.000002	0.54	21712.39	1774.25	0.02
Hempstead Lake	14378.3*	Max WS	10316.05	19.48	40.81		40.81	0.000002	0.55	21479.03	1752.69	0.02
Hempstead Lake	14358.3*	Max WS	10316.02	19.49	40.81		40.81	0.000003	0.56	21240.42	1731.36	0.02
Hempstead Lake	14338.2*	Max WS	10315.99	19.49	40.81		40.81	0.000003	0.57	21006.66	1710.23	0.02
Hempstead Lake	14318.2*	Max WS	10315.96	19.49	40.81		40.81	0.000003	0.58	20769.90	1689.72	0.02
Hempstead Lake	14298.2*	Max WS	10315.92	19.49	40.81		40.81	0.000003	0.59	20532.65	1669.65	0.02
Hempstead Lake	14278.1*	Max WS	10315.89	19.50	40.81		40.81	0.000003	0.60	20297.00	1650.11	0.02
Hempstead Lake	14258.1*	Max WS	10315.87	19.50	40.81		40.81	0.000003	0.61	20061.65	1631.02	0.02
Hempstead Lake	14238.1*	Max WS	10315.83	19.50	40.81		40.81	0.000003	0.62	19827.33	1612.91	0.03
Hempstead Lake	14218.0*	Max WS	10315.78	19.50	40.81		40.81	0.000003	0.63	19593.28	1595.73	0.03
Hempstead Lake	14198.0*	Max WS	10315.74	19.51	40.81		40.81	0.000003	0.64	19363.57	1579.69	0.03
Hempstead Lake	14178.0*	Max WS	10315.69	19.51	40.80		40.81	0.000004	0.65	19136.91	1565.01	0.03
Hempstead Lake	14157.9*	Max WS	10315.65	19.51	40.80		40.81	0.000004	0.66	18915.76	1551.34	0.03
Hempstead Lake	14137.9*	Max WS	10315.61	19.51	40.80		40.81	0.000004	0.68	18710.44	1587.06	0.03
Hempstead Lake	14117.9*	Max WS	10315.56	19.52	40.80		40.81	0.000004	0.69	18542.00	1619.88	0.03
Hempstead Lake	14097.8*	Max WS	10315.49	19.52	40.80		40.81	0.000004	0.70	18386.53	1622.10	0.03
Hempstead Lake	14077.8*	Max WS	10315.43	19.52	40.80		40.81	0.000004	0.71	18238.69	1619.92	0.03
Hempstead Lake	14057.8*	Max WS	10315.37	19.52	40.80		40.81	0.000005	0.73	18094.93	1609.61	0.03
Hempstead Lake	14037.7*	Max WS	10315.31	19.53	40.80		40.81	0.000005	0.74	17953.17	1602.03	0.03
Hempstead Lake	14017.75	Max WS	10315.24	19.53	40.80		40.81	0.000005	0.75	17808.00	1601.20	0.03
Hempstead Lake	13998.2*	Max WS	10315.19	19.61	40.80		40.81	0.000006	0.73	17823.53	1594.05	0.03
Hempstead Lake	13978.6*	Max WS	10315.13	19.69	40.80		40.81	0.000006	0.72	17852.10	1586.31	0.03

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13959.1*	Max WS	10315.06	19.77	40.80		40.81	0.000006	0.71	17890.71	1579.05	0.03
Hempstead Lake	13939.6*	Max WS	10315.00	19.85	40.80		40.81	0.000006	0.69	17942.47	1567.33	0.03
Hempstead Lake	13920.0*	Max WS	10314.93	19.94	40.80		40.81	0.000005	0.68	18009.40	1556.30	0.03
Hempstead Lake	13900.5*	Max WS	10314.88	20.02	40.80		40.81	0.000005	0.67	18087.72	1545.40	0.03
Hempstead Lake	13881.*	Max WS	10314.82	20.10	40.80		40.81	0.000005	0.66	18180.43	1533.59	0.03
Hempstead Lake	13861.4*	Max WS	10314.75	20.18	40.80		40.81	0.000005	0.65	18288.67	1519.92	0.03
Hempstead Lake	13841.9*	Max WS	10314.69	20.26	40.80		40.81	0.000005	0.64	18409.40	1507.91	0.03
Hempstead Lake	13822.3*	Max WS	10314.63	20.34	40.80		40.81	0.000004	0.63	18539.69	1497.77	0.03
Hempstead Lake	13802.8*	Max WS	10314.58	20.42	40.80		40.81	0.000004	0.62	18682.02	1489.50	0.03
Hempstead Lake	13783.3*	Max WS	10314.53	20.50	40.80		40.81	0.000004	0.62	18830.79	1482.30	0.03
Hempstead Lake	13763.7*	Max WS	10314.48	20.59	40.80		40.81	0.000004	0.61	18988.14	1476.35	0.03
Hempstead Lake	13744.2*	Max WS	10314.42	20.67	40.80		40.81	0.000003	0.60	19151.13	1471.67	0.03
Hempstead Lake	13724.7*	Max WS	10314.37	20.75	40.80		40.81	0.000003	0.59	19321.68	1467.43	0.02
Hempstead Lake	13705.1*	Max WS	10314.32	20.83	40.80		40.81	0.000003	0.58	19494.15	1463.98	0.02
Hempstead Lake	13685.63	Max WS	10314.26	20.91	40.80		40.81	0.000003	0.57	19672.93	1461.27	0.02
Hempstead Lake	13666.4*	Max WS	10314.21	21.07	40.80		40.81	0.000003	0.57	19769.88	1474.72	0.02
Hempstead Lake	13647.1*	Max WS	10314.16	21.23	40.80		40.81	0.000003	0.57	19861.03	1471.92	0.02
Hempstead Lake	13627.9*	Max WS	10314.10	21.39	40.80		40.81	0.000003	0.57	19943.39	1468.92	0.02
Hempstead Lake	13608.7*	Max WS	10314.05	21.56	40.80		40.81	0.000003	0.56	20015.93	1465.89	0.02
Hempstead Lake	13589.5*	Max WS	10313.99	21.72	40.80		40.81	0.000003	0.56	20081.67	1462.93	0.02
Hempstead Lake	13570.2*	Max WS	10313.94	21.88	40.80		40.81	0.000003	0.56	20137.95	1460.02	0.02
Hempstead Lake	13551.0*	Max WS	10313.88	22.04	40.80		40.81	0.000003	0.56	20186.66	1457.21	0.02
Hempstead Lake	13531.8*	Max WS	10313.82	22.20	40.80		40.81	0.000003	0.56	20224.53	1454.17	0.02
Hempstead Lake	13512.6*	Max WS	10313.78	22.36	40.80		40.81	0.000003	0.56	20255.00	1451.08	0.02
Hempstead Lake	13493.3*	Max WS	10313.74	22.53	40.80		40.81	0.000003	0.56	20276.73	1448.33	0.02
Hempstead Lake	13474.1*	Max WS	10313.68	22.69	40.80		40.81	0.000003	0.56	20288.92	1445.89	0.02
Hempstead Lake	13454.9*	Max WS	10313.62	22.85	40.80		40.81	0.000003	0.56	20291.68	1443.75	0.02
Hempstead Lake	13435.72	Max WS	10313.57	23.01	40.80		40.81	0.000003	0.55	20286.94	1441.82	0.02
Hempstead Lake	13419.3*	Max WS	10313.51	23.00	40.80		40.81	0.000003	0.56	20263.23	1445.86	0.02
Hempstead Lake	13403.0*	Max WS	10313.45	23.00	40.80		40.81	0.000003	0.56	20245.97	1449.88	0.02
Hempstead Lake	13386.6*	Max WS	10313.40	22.99	40.80		40.81	0.000004	0.56	20233.27	1453.91	0.02
Hempstead Lake	13370.3*	Max WS	10313.35	22.98	40.80		40.81	0.000004	0.56	20226.41	1457.87	0.02
Hempstead Lake	13354.*	Max WS	10313.30	22.98	40.80		40.81	0.000004	0.56	20223.46	1461.80	0.02
Hempstead Lake	13337.6*	Max WS	10313.25	22.97	40.80		40.81	0.000004	0.56	20226.99	1465.73	0.02
Hempstead Lake	13321.3*	Max WS	10313.20	22.96	40.80		40.81	0.000004	0.56	20235.62	1469.56	0.02
Hempstead Lake	13304.9*	Max WS	10313.14	22.95	40.80		40.81	0.000004	0.56	20248.59	1473.41	0.02
Hempstead Lake	13288.6*	Max WS	10313.09	22.95	40.80		40.81	0.000004	0.55	20266.53	1477.23	0.02
Hempstead Lake	13272.29	Max WS	10313.04	22.94	40.80		40.81	0.000003	0.56	20290.69	1481.00	0.02
Hempstead Lake	13255.0*	Max WS	10312.97	22.90	40.80		40.81	0.000003	0.56	20255.51	1482.47	0.02
Hempstead Lake	13237.6*	Max WS	10312.91	22.87	40.80		40.81	0.000003	0.56	20224.05	1483.85	0.02
Hempstead Lake	13220.5*	Max WS	10312.85	22.83	40.80		40.81	0.000004	0.56	20197.61	1485.13	0.02
Hempstead Lake	13203.3*	Max WS	10312.78	22.80	40.80		40.81	0.000004	0.56	20173.77	1486.29	0.02
Hempstead Lake	13186.0*	Max WS	10312.72	22.76	40.80		40.81	0.000004	0.56	20154.32	1487.34	0.02
Hempstead Lake	13168.8*	Max WS	10312.65	22.72	40.80		40.81	0.000004	0.56	20138.94	1488.18	0.02
Hempstead Lake	13151.6*	Max WS	10312.59	22.69	40.80		40.81	0.000004	0.56	20126.53	1488.92	0.02
Hempstead Lake	13134.3*	Max WS	10312.52	22.65	40.80		40.81	0.000004	0.56	20118.64	1489.48	0.02
Hempstead Lake	13117.1*	Max WS	10312.45	22.62	40.80		40.81	0.000004	0.56	20115.25	1489.88	0.02
Hempstead Lake	13099.8*	Max WS	10312.39	22.58	40.80		40.81	0.000004	0.56	20115.99	1490.25	0.02
Hempstead Lake	13082.6*	Max WS	10312.33	22.55	40.80		40.81	0.000004	0.56	20119.58	1490.46	0.02
Hempstead Lake	13065.3*	Max WS	10312.26	22.51	40.80		40.81	0.000005	0.56	20129.15	1490.51	0.02
Hempstead Lake	13048.1*	Max WS	10312.19	22.47	40.80		40.81	0.000005	0.56	20142.23	1490.32	0.02
Hempstead Lake	13030.9*	Max WS	10312.13	22.44	40.80		40.81	0.000005	0.56	20158.63	1489.97	0.02
Hempstead Lake	13013.6*	Max WS	10312.06	22.40	40.80		40.81	0.000005	0.56	20179.75	1489.41	0.02
Hempstead Lake	12996.4*	Max WS	10311.99	22.37	40.80		40.81	0.000005	0.56	20206.31	1488.44	0.02
Hempstead Lake	12979.1*	Max WS	10311.92	22.33	40.80		40.81	0.000005	0.56	20234.81	1487.06	0.02
Hempstead Lake	12961.9*	Max WS	10311.86	22.29	40.80		40.81	0.000005	0.55	20271.38	1485.52	0.02
Hempstead Lake	12944.7*	Max WS	10311.79	22.26	40.80		40.81	0.000005	0.55	20309.81	1483.55	0.02
Hempstead Lake	12927.4*	Max WS	10311.72	22.22	40.80		40.81	0.000005	0.55	20354.56	1481.26	0.02
Hempstead Lake	12910.2*	Max WS	10311.64	22.19	40.80		40.81	0.000005	0.55	20404.06	1478.70	0.02
Hempstead Lake	12892.97	Max WS	10311.58	22.15	40.80		40.81	0.000003	0.55	20458.14	1475.75	0.02
Hempstead Lake	12881.0*	Max WS	12186.42	22.12	40.80		40.81	0.000005	0.65	20445.03	1472.71	0.03
Hempstead Lake	12869.1*	Max WS	12186.33	22.09	40.80		40.81	0.000005	0.65	20438.07	1469.20	0.03
Hempstead Lake	12857.1*	Max WS	12186.24	22.06	40.80		40.81	0.000005	0.65	20430.58	1465.42	0.03
Hempstead Lake	12845.2*	Max WS	12186.15	22.03	40.80		40.81	0.000005	0.65	20423.94	1461.60	0.03
Hempstead Lake	12833.3*	Max WS	12186.06	22.00	40.80		40.81	0.000004	0.65	20416.96	1457.61	0.03
Hempstead Lake	12821.4*	Max WS	12185.97	21.97	40.80		40.81	0.000004	0.65	20413.63	1453.48	0.03
Hempstead Lake	12809.4*	Max WS	12185.89	21.94	40.80		40.81	0.000004	0.65	20410.08	1449.07	0.03
Hempstead Lake	12797.5*	Max WS	12185.79	21.92	40.80		40.81	0.000004	0.65	20406.35	1444.58	0.03
Hempstead Lake	12785.6*	Max WS	12185.71	21.89	40.80		40.81	0.000004	0.65	20405.12	1439.72	0.03
Hempstead Lake	12773.7*	Max WS	12185.63	21.86	40.80		40.81	0.000004	0.65	20404.68	1435.34	0.03
Hempstead Lake	12761.7*	Max WS	12185.54	21.83	40.80		40.81	0.000004	0.65	20404.45	1431.56	0.03
Hempstead Lake	12749.8*	Max WS	12185.46	21.80	40.80		40.81	0.000004	0.65	20406.22	1427.68	0.03
Hempstead Lake	12737.9*	Max WS	12185.37	21.77	40.80		40.81	0.000004	0.65	20408.45	1423.86	0.03
Hempstead Lake	12726.0*	Max WS	12185.29	21.74	40.80		40.81	0.000004	0.65	20410.74	1420.25	0.03
Hempstead Lake	12714.0*	Max WS	12185.20	21.71	40.80		40.81	0.000004	0.65	20412.57	1417.15	0.03
Hempstead Lake	12702.1*	Max WS	12185.12	21.68	40.80		40.81	0.000004	0.65	20418.21	1413.97	0.03
Hempstead Lake	12690.2*	Max WS	12185.03	21.65	40.80		40.81	0.000004	0.65	20423.16	1411.68	0.03
Hempstead Lake	12678.3*	Max WS	12184.93	21.62	40.80		40.81	0.000004	0.65	20428.69	1409.54	0.03
Hempstead Lake	12666.3*	Max WS	12184.84	21.59	40.80		40.81	0.000004	0.65	20434.25	1407.33	0.03

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12654.4*	Max WS	12184.75	21.56	40.80		40.80	0.000004	0.65	20440.38	1405.15	0.03
Hempstead Lake	12642.5*	Max WS	12182.68	21.53	40.80		40.80	0.000004	0.65	20447.96	1403.07	0.03
Hempstead Lake	12630.6*	Max WS	12184.58	21.50	40.80		40.80	0.000004	0.65	20455.36	1400.93	0.03
Hempstead Lake	12618.6*	Max WS	12184.49	21.47	40.80		40.80	0.000004	0.65	20464.05	1398.83	0.03
Hempstead Lake	12606.7*	Max WS	12182.68	21.45	40.80		40.80	0.000004	0.65	20472.22	1396.78	0.03
Hempstead Lake	12594.8*	Max WS	12184.30	21.42	40.80		40.80	0.000004	0.65	20482.37	1394.72	0.03
Hempstead Lake	12582.9*	Max WS	12182.68	21.39	40.80		40.80	0.000004	0.65	20492.05	1392.64	0.03
Hempstead Lake	12570.9*	Max WS	12182.68	21.36	40.80		40.80	0.000004	0.65	20501.59	1390.64	0.03
Hempstead Lake	12559.0*	Max WS	12184.01	21.33	40.80		40.80	0.000004	0.65	20512.13	1388.61	0.03
Hempstead Lake	12547.1*	Max WS	12183.92	21.30	40.80		40.80	0.000004	0.65	20524.07	1386.58	0.03
Hempstead Lake	12535.2*	Max WS	12183.63	21.27	40.80		40.80	0.000004	0.65	20536.75	1384.63	0.03
Hempstead Lake	12523.27	Max WS	12183.73	21.24	40.80		40.80	0.000004	0.65	20548.22	1382.62	0.03
Hempstead Lake	12515.8*	Max WS	12904.81	21.24	40.80		40.80	0.000005	0.69	20391.08	1369.15	0.03
Hempstead Lake	12508.3*	Max WS	12904.81	21.24	40.80		40.80	0.000006	0.69	20236.66	1355.64	0.03
Hempstead Lake	12500.9*	Max WS	12906.27	21.23	40.80		40.80	0.000007	0.70	20082.84	1342.10	0.03
Hempstead Lake	12493.4*	Max WS	12906.22	21.23	40.80		40.80	0.000007	0.70	19929.33	1328.46	0.03
Hempstead Lake	12486.0*	Max WS	12904.80	21.23	40.80		40.80	0.000008	0.70	19778.04	1314.70	0.03
Hempstead Lake	12478.5*	Max WS	12904.80	21.23	40.80		40.80	0.000009	0.70	19626.43	1300.90	0.03
Hempstead Lake	12471.1*	Max WS	12904.79	21.23	40.80		40.80	0.000010	0.71	19475.99	1287.01	0.03
Hempstead Lake	12463.7*	Max WS	12906.01	21.23	40.80		40.80	0.000011	0.71	19326.53	1272.92	0.03
Hempstead Lake	12456.2*	Max WS	12904.78	21.22	40.80		40.80	0.000012	0.71	19178.46	1258.50	0.03
Hempstead Lake	12448.8*	Max WS	12905.91	21.22	40.80		40.80	0.000013	0.71	19030.45	1243.78	0.03
Hempstead Lake	12441.3*	Max WS	12905.86	21.22	40.80		40.80	0.000014	0.72	18883.40	1229.75	0.03
Hempstead Lake	12433.9*	Max WS	12904.76	21.22	40.80		40.80	0.000015	0.72	18737.51	1215.69	0.03
Hempstead Lake	12426.4*	Max WS	12904.75	21.22	40.80		40.80	0.000017	0.72	18594.41	1201.56	0.03
Hempstead Lake	12419.0*	Max WS	12904.75	21.21	40.79		40.80	0.000018	0.73	18450.18	1186.87	0.03
Hempstead Lake	12411.5*	Max WS	12905.67	21.21	40.79		40.80	0.000019	0.73	18308.26	1172.12	0.03
Hempstead Lake	12404.1*	Max WS	12904.74	21.21	40.79		40.80	0.000021	0.73	18167.27	1157.18	0.03
Hempstead Lake	12396.6*	Max WS	12904.73	21.21	40.79		40.80	0.000022	0.74	18027.44	1141.93	0.03
Hempstead Lake	12389.2*	Max WS	12905.53	21.21	40.79		40.80	0.000023	0.74	17889.81	1126.48	0.03
Hempstead Lake	12381.8*	Max WS	12904.72	21.21	40.79		40.80	0.000025	0.74	17753.20	1110.20	0.03
Hempstead Lake	12374.3*	Max WS	12904.71	21.20	40.79		40.80	0.000027	0.75	17618.20	1093.75	0.03
Hempstead Lake	12366.9*	Max WS	12904.70	21.20	40.79		40.80	0.000028	0.75	17485.88	1076.88	0.03
Hempstead Lake	12359.46	Max WS	12904.69	21.20	40.79		40.80	0.000006	0.77	17355.02	1059.80	0.03
Hempstead Lake	12350.7*	Max WS	13401.04	21.20	40.79		40.80	0.000033	0.80	17056.95	1046.72	0.03
Hempstead Lake	12342.0*	Max WS	13401.03	21.19	40.79		40.80	0.000034	0.81	16762.77	1033.72	0.03
Hempstead Lake	12333.3*	Max WS	13401.01	21.19	40.79		40.80	0.000035	0.83	16469.30	1020.57	0.03
Hempstead Lake	12324.7*	Max WS	13401.00	21.18	40.79		40.80	0.000036	0.84	16178.83	1007.38	0.04
Hempstead Lake	12316.0*	Max WS	13400.98	21.18	40.79		40.80	0.000037	0.86	15891.32	994.29	0.04
Hempstead Lake	12307.3*	Max WS	13400.97	21.17	40.79		40.80	0.000038	0.87	15605.10	981.03	0.04
Hempstead Lake	12298.6*	Max WS	13400.96	21.17	40.79		40.80	0.000039	0.89	15321.24	967.75	0.04
Hempstead Lake	12289.9*	Max WS	13400.94	21.16	40.79		40.80	0.000039	0.91	15040.01	954.57	0.04
Hempstead Lake	12281.2*	Max WS	13400.93	21.16	40.79		40.80	0.000040	0.93	14761.12	941.28	0.04
Hempstead Lake	12272.5*	Max WS	13400.91	21.15	40.78		40.80	0.000041	0.94	14483.61	927.99	0.04
Hempstead Lake	12263.8*	Max WS	13400.90	21.15	40.78		40.80	0.000042	0.96	14209.65	914.77	0.04
Hempstead Lake	12255.1*	Max WS	13400.88	21.14	40.78		40.80	0.000043	0.98	13936.30	901.45	0.04
Hempstead Lake	12246.4*	Max WS	13400.87	21.14	40.78		40.80	0.000045	1.00	13665.51	888.12	0.04
Hempstead Lake	12237.7*	Max WS	13400.85	21.13	40.78		40.80	0.000046	1.02	13398.19	874.79	0.04
Hempstead Lake	12229.1*	Max WS	13400.84	21.13	40.78		40.80	0.000047	1.05	13131.52	861.43	0.04
Hempstead Lake	12220.4*	Max WS	13400.82	21.12	40.78		40.80	0.000049	1.07	12867.92	847.97	0.05
Hempstead Lake	12211.7*	Max WS	13400.80	21.12	40.78		40.80	0.000050	1.09	12606.30	834.62	0.05
Hempstead Lake	12203.0*	Max WS	13400.78	21.11	40.78		40.79	0.000051	1.12	12346.96	821.11	0.05
Hempstead Lake	12194.3*	Max WS	13400.76	21.11	40.77		40.79	0.000053	1.14	12088.92	807.69	0.05
Hempstead Lake	12185.6*	Max WS	13400.75	21.10	40.77		40.79	0.000055	1.17	11834.67	793.88	0.05
Hempstead Lake	12176.9*	Max WS	13400.73	21.10	40.77		40.79	0.000056	1.19	11581.00	780.11	0.05
Hempstead Lake	12168.2*	Max WS	13400.70	21.10	40.77		40.79	0.000057	1.22	11329.74	768.63	0.05
Hempstead Lake	12159.5*	Max WS	13400.69	21.09	40.77		40.79	0.000059	1.25	11082.40	756.52	0.05
Hempstead Lake	12150.8*	Max WS	13400.67	21.09	40.77		40.79	0.000060	1.28	10835.82	744.25	0.06
Hempstead Lake	12142.1*	Max WS	13400.65	21.08	40.77		40.79	0.000052	1.32	10592.27	731.86	0.06
Hempstead Lake	12133.5*	Max WS	13400.63	21.08	40.76		40.79	0.000053	1.35	10350.29	719.44	0.06
Hempstead Lake	12124.8*	Max WS	13400.61	21.07	40.76		40.79	0.000054	1.38	10111.85	706.77	0.06
Hempstead Lake	12116.1*	Max WS	13400.59	21.07	40.76		40.79	0.000055	1.42	9874.32	693.88	0.06
Hempstead Lake	12107.4*	Max WS	13400.57	21.06	40.76		40.79	0.000056	1.46	9639.77	680.94	0.06
Hempstead Lake	12098.7*	Max WS	13400.55	21.06	40.76		40.79	0.000057	1.49	9406.86	667.75	0.07
Hempstead Lake	12090.0*	Max WS	13400.53	21.05	40.75		40.79	0.000058	1.53	9176.50	654.42	0.07
Hempstead Lake	12081.3*	Max WS	13400.52	21.05	40.75		40.79	0.000059	1.58	8948.11	641.09	0.07
Hempstead Lake	12072.6*	Max WS	13400.50	21.04	40.75		40.79	0.000060	1.62	8721.88	627.48	0.07
Hempstead Lake	12063.9*	Max WS	13400.48	21.04	40.75		40.79	0.000061	1.67	8497.21	613.88	0.07
Hempstead Lake	12055.2*	Max WS	13400.46	21.03	40.74		40.79	0.000059	1.71	8275.20	600.01	0.08
Hempstead Lake	12046.5*	Max WS	13400.45	21.03	40.74		40.79	0.000060	1.76	8054.66	585.99	0.08
Hempstead Lake	12037.9*	Max WS	13400.42	21.02	40.74		40.79	0.000061	1.82	7836.49	572.09	0.08
Hempstead Lake	12029.2*	Max WS	13400.40	21.02	40.73		40.79	0.000061	1.87	7619.94	558.05	0.08
Hempstead Lake	12020.5*	Max WS	13400.38	21.01	40.73		40.79	0.000062	1.93	7405.96	544.06	0.09
Hempstead Lake	12011.8*	Max WS	13400.36	21.01	40.73		40.79	0.000062	1.99	7192.91	529.76	0.09
Hempstead Lake	12003.1*	Max WS	13400.34	21.00	40.72		40.78	0.000063	2.05	6983.14	515.31	0.09
Hempstead Lake	11994.45	Max WS	13400.32	21.00	40.72		40.78	0.000087	2.12	6773.97	500.87	0.09
Hempstead Lake	11989.45	Max WS	13896.34	21.00	40.70	28.57	40.78	0.000103	2.26	6591.66	499.83	0.10
Hempstead Lake	11979.45		Inl Struct									
Hempstead Lake	11969.45	Max WS	13896.34	21.00	40.65		40.73	0.000210	2.37	6246.72	495.93	0.11

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11964.45	Max WS	13896.33	21.00	40.65		40.73	0.000263	2.40	6172.12	495.60	0.11
Hempstead Lake	11954.6*	Max WS	13896.33	20.92	40.64		40.73	0.000093	2.49	6115.12	504.33	0.12
Hempstead Lake	11944.8*	Max WS	13896.32	20.83	40.63		40.73	0.000099	2.52	6062.50	514.79	0.12
Hempstead Lake	11934.9*	Max WS	13896.31	20.75	40.63		40.73	0.000106	2.55	6011.23	525.73	0.12
Hempstead Lake	11925.1*	Max WS	13896.29	20.66	40.63		40.73	0.000113	2.59	5962.82	537.16	0.12
Hempstead Lake	11915.3*	Max WS	13896.28	20.58	40.62		40.73	0.000121	2.63	5916.69	548.14	0.13
Hempstead Lake	11905.5*	Max WS	13896.27	20.49	40.62		40.73	0.000129	2.67	5873.41	559.21	0.13
Hempstead Lake	11895.6*	Max WS	13896.26	20.41	40.62		40.73	0.000139	2.71	5832.62	571.08	0.13
Hempstead Lake	11885.8*	Max WS	13896.25	20.32	40.61		40.73	0.000149	2.75	5795.94	583.19	0.14
Hempstead Lake	11876.0*	Max WS	13896.23	20.24	40.61		40.72	0.000160	2.79	5762.95	595.90	0.14
Hempstead Lake	11866.2*	Max WS	13896.22	20.15	40.61		40.72	0.000172	2.83	5733.36	602.85	0.14
Hempstead Lake	11856.4*	Max WS	13896.20	20.07	40.60		40.72	0.000184	2.87	5702.56	604.50	0.15
Hempstead Lake	11846.5*	Max WS	13896.19	19.98	40.60		40.72	0.000198	2.91	5669.54	606.16	0.15
Hempstead Lake	11836.7*	Max WS	13896.17	19.90	40.59		40.72	0.000213	2.96	5634.08	607.82	0.15
Hempstead Lake	11826.9*	Max WS	13896.16	19.81	40.59		40.72	0.000230	3.00	5596.55	609.47	0.16
Hempstead Lake	11817.1*	Max WS	13896.14	19.73	40.59		40.72	0.000249	3.04	5555.71	611.13	0.16
Hempstead Lake	11807.2*	Max WS	13896.12	19.64	40.58		40.71	0.000270	3.08	5513.85	612.78	0.17
Hempstead Lake	11797.46	Max WS	13896.10	19.56	40.58		40.71	0.000194	3.15	5467.62	614.44	0.17
Hempstead Lake	11792.46	Max WS	13896.09	19.56	40.57		40.71	0.000194	3.19	5426.35	614.44	0.17
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	3060.72	19.54	35.80		35.92	0.000373	2.86	1161.44	614.44	0.34
Hempstead Lake	11627.46	Max WS	3068.98	19.54	35.82		35.92	0.000315	2.62	1267.15	614.44	0.30
Hempstead Lake	11623.2*	Max WS	3552.73	19.43	35.84		35.95	0.003329	2.72	1389.29	645.38	0.30
Hempstead Lake	11619.1*	Max WS	3552.72	19.31	35.84		35.93	0.002675	2.53	1500.45	667.13	0.27
Hempstead Lake	11614.94	Max WS	3552.72	19.20	35.84		35.93	0.000267	2.43	1619.20	681.50	0.25
Hempstead Lake	11612.94	Max WS	3557.11	19.20	35.84		35.93	0.000251	2.37	1660.24	682.38	0.24
Hempstead Lake	11606.9*	Max WS	3561.48	19.20	35.85		35.92	0.001642	2.16	1762.65	685.20	0.22
Hempstead Lake	11600.94	Max WS	3557.10	19.20	35.85		35.91	0.000216	2.10	1856.01	687.57	0.21
Hempstead Lake	11598.94	Max WS	3561.45	19.20	35.85		35.91	0.000210	2.00	1946.99	688.64	0.19
Hempstead Lake	11573.9*	Max WS	3569.99	19.18	35.87		35.91	0.000077	1.49	2657.75	762.63	0.13
Hempstead Lake	11548.9*	Max WS	3574.14	19.15	35.88		35.90	0.000050	1.18	3411.11	836.90	0.09
Hempstead Lake	11523.9*	Max WS	3574.11	19.12	35.89		35.90	0.000036	0.97	4208.96	913.10	0.07
Hempstead Lake	11498.9*	Max WS	3578.05	19.10	35.89		35.90	0.000028	0.82	5052.21	990.41	0.05
Hempstead Lake	11473.9*	Max WS	3577.97	19.08	35.89		35.90	0.000022	0.69	5942.07	1068.38	0.04
Hempstead Lake	11448.9*	Max WS	3577.91	19.05	35.90		35.90	0.000017	0.60	6875.98	1146.87	0.04
Hempstead Lake	11423.9*	Max WS	3577.85	19.02	35.90		35.90	0.000013	0.52	7856.73	1220.14	0.03
Hempstead Lake	11398.9*	Max WS	3577.80	19.00	35.90		35.90	0.000010	0.45	8885.08	1290.84	0.03
Hempstead Lake	11373.9*	Max WS	3577.74	18.98	35.90		35.90	0.000008	0.39	9960.46	1362.29	0.02
Hempstead Lake	11349.*	Max WS	3577.68	18.95	35.90		35.90	0.000006	0.34	11082.25	1433.78	0.02
Hempstead Lake	11324.*	Max WS	3577.62	18.92	35.90		35.90	0.000005	0.30	12253.60	1505.60	0.02
Hempstead Lake	11299.0*	Max WS	3577.56	18.90	35.90		35.90	0.000004	0.26	13468.22	1577.27	0.01
Hempstead Lake	11274.0*	Max WS	3577.50	18.88	35.90		35.90	0.000003	0.23	14735.87	1595.89	0.01
Hempstead Lake	11249.0*	Max WS	3577.46	18.85	35.90		35.90	0.000002	0.20	16053.72	1656.03	0.01
Hempstead Lake	11224.0*	Max WS	3577.40	18.83	35.90		35.90	0.000002	0.18	17422.17	1718.60	0.01
Hempstead Lake	11199.0*	Max WS	3577.33	18.80	35.90		35.90	0.000001	0.16	18835.94	1782.58	0.01
Hempstead Lake	11174.0*	Max WS	3577.24	18.77	35.90		35.90	0.000001	0.14	20299.16	1851.16	0.01
Hempstead Lake	11149.0*	Max WS	3577.15	18.75	35.90		35.90	0.000001	0.12	21810.35	1920.79	0.01
Hempstead Lake	11124.0*	Max WS	3577.07	18.73	35.90		35.90	0.000001	0.11	23369.24	1990.48	0.00
Hempstead Lake	11099.0*	Max WS	3576.98	18.70	35.90		35.90	0.000001	0.09	24974.17	2060.48	0.00
Hempstead Lake	11074.0*	Max WS	3576.90	18.67	35.90		35.90	0.000000	0.08	26630.20	2130.37	0.00
Hempstead Lake	11049.07	Max WS	3576.80	18.65	35.90		35.90	0.000000	0.13	28330.73	2200.40	0.01
Hempstead Lake	11038.4*	Max WS	3576.75	18.61	35.90		35.90	0.000000	0.08	27633.37	2174.86	0.00
Hempstead Lake	11027.7*	Max WS	3576.69	18.58	35.90		35.90	0.000000	0.08	26954.91	2149.19	0.00
Hempstead Lake	11017.0*	Max WS	3576.62	18.54	35.90		35.90	0.000000	0.09	26291.99	2123.73	0.00
Hempstead Lake	11006.4*	Max WS	3576.56	18.50	35.90		35.90	0.000001	0.09	25645.38	2098.82	0.00
Hempstead Lake	10995.7*	Max WS	3576.50	18.47	35.90		35.90	0.000001	0.10	25019.58	2075.17	0.00
Hempstead Lake	10985.0*	Max WS	3576.45	18.43	35.90		35.90	0.000001	0.11	24409.73	2051.60	0.00
Hempstead Lake	10974.4*	Max WS	3576.40	18.39	35.90		35.90	0.000001	0.11	23816.45	2027.78	0.01
Hempstead Lake	10963.7*	Max WS	3576.33	18.35	35.90		35.90	0.000001	0.12	23243.18	1980.37	0.01
Hempstead Lake	10953.1*	Max WS	3576.28	18.32	35.90		35.90	0.000001	0.13	22701.69	1837.79	0.01
Hempstead Lake	10942.4*	Max WS	3576.23	18.28	35.90		35.90	0.000001	0.13	22188.85	1787.66	0.01
Hempstead Lake	10931.7*	Max WS	3576.17	18.24	35.90		35.90	0.000001	0.14	21690.05	1768.32	0.01
Hempstead Lake	10921.1*	Max WS	3576.12	18.21	35.90		35.90	0.000001	0.15	21210.41	1748.81	0.01
Hempstead Lake	10910.4*	Max WS	3576.06	18.17	35.90		35.90	0.000001	0.16	20748.13	1729.89	0.01
Hempstead Lake	10899.7*	Max WS	3576.00	18.13	35.90		35.90	0.000001	0.16	20298.05	1710.81	0.01
Hempstead Lake	10889.1*	Max WS	3575.95	18.10	35.90		35.90	0.000001	0.17	19865.67	1692.01	0.01
Hempstead Lake	10878.4*	Max WS	3575.89	18.06	35.90		35.90	0.000001	0.18	19448.09	1673.04	0.01
Hempstead Lake	10867.8*	Max WS	3575.83	18.02	35.90		35.90	0.000001	0.19	19047.02	1654.05	0.01
Hempstead Lake	10857.1*	Max WS	3575.77	17.99	35.90		35.90	0.000002	0.19	18660.47	1635.31	0.01
Hempstead Lake	10846.4*	Max WS	3575.71	17.95	35.90		35.90	0.000002	0.20	18292.00	1616.49	0.01
Hempstead Lake	10835.8*	Max WS	3575.65	17.91	35.90		35.90	0.000002	0.21	17936.70	1597.74	0.01
Hempstead Lake	10825.1*	Max WS	3575.59	17.88	35.90		35.90	0.000002	0.21	17598.29	1579.20	0.01
Hempstead Lake	10814.4*	Max WS	3575.53	17.84	35.90		35.90	0.000002	0.22	17276.33	1560.57	0.01
Hempstead Lake	10803.8*	Max WS	3575.47	17.80	35.90		35.90	0.000002	0.23	16968.47	1542.07	0.01
Hempstead Lake	10793.1*	Max WS	3575.40	17.76	35.90		35.90	0.000002	0.23	16678.35	1523.61	0.01
Hempstead Lake	10782.4*	Max WS	3575.33	17.73	35.90		35.90	0.000002	0.24	16401.72	1505.21	0.01
Hempstead Lake	10771.8*	Max WS	3575.27	17.69	35.90		35.90	0.000002	0.24	16141.86	1486.95	0.01
Hempstead Lake	10761.1*	Max WS	3575.21	17.65	35.90		35.90	0.000002	0.24	15899.05	1468.70	0.01
Hempstead Lake	10750.5*	Max WS	3575.14	17.62	35.90		35.90	0.000002	0.25	15669.10	1450.47	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10739.8*	Max WS	3575.08	17.58	35.90		35.90	0.000002	0.25	15455.79	1432.37	0.01
Hempstead Lake	10729.1*	Max WS	3575.00	17.54	35.90		35.90	0.000002	0.25	15258.72	1414.32	0.01
Hempstead Lake	10718.5*	Max WS	3574.93	17.51	35.90		35.90	0.000002	0.25	15075.00	1396.43	0.01
Hempstead Lake	10707.8*	Max WS	3574.85	17.47	35.90		35.90	0.000002	0.25	14909.89	1378.74	0.01
Hempstead Lake	10697.1*	Max WS	3574.78	17.43	35.90		35.90	0.000002	0.26	14757.73	1360.88	0.01
Hempstead Lake	10686.5*	Max WS	3574.71	17.40	35.90		35.90	0.000001	0.26	14622.99	1342.40	0.01
Hempstead Lake	10675.8*	Max WS	3574.63	17.36	35.90		35.90	0.000001	0.26	14502.37	1324.16	0.01
Hempstead Lake	10665.2*	Max WS	3574.55	17.32	35.90		35.90	0.000001	0.26	14397.41	1306.34	0.01
Hempstead Lake	10654.5*	Max WS	3574.47	17.29	35.90		35.90	0.000001	0.26	14307.39	1288.67	0.01
Hempstead Lake	10643.8*	Max WS	3574.39	17.25	35.90		35.90	0.000001	0.26	14233.27	1271.60	0.01
Hempstead Lake	10633.2*	Max WS	3574.31	17.21	35.90		35.90	0.000001	0.26	14174.04	1254.75	0.01
Hempstead Lake	10622.5*	Max WS	3574.22	17.17	35.90		35.90	0.000001	0.26	14129.60	1238.23	0.01
Hempstead Lake	10611.8*	Max WS	3574.14	17.14	35.90		35.90	0.000001	0.26	14099.13	1222.52	0.01
Hempstead Lake	10601.2*	Max WS	3574.06	17.10	35.90		35.90	0.000001	0.26	14084.04	1206.95	0.01
Hempstead Lake	10590.5*	Max WS	3573.97	17.06	35.90		35.90	0.000001	0.25	14082.88	1191.57	0.01
Hempstead Lake	10579.8*	Max WS	3573.88	17.03	35.90		35.90	0.000001	0.25	14096.76	1176.40	0.01
Hempstead Lake	10569.23	Max WS	3573.79	16.99	35.90		35.90	0.000001	0.25	14124.41	1161.47	0.01
Hempstead Lake	10549.1*	Max WS	3573.69	16.96	35.90		35.90	0.000001	0.25	14164.92	1157.83	0.01
Hempstead Lake	10529.0*	Max WS	3573.59	16.94	35.90		35.90	0.000001	0.25	14207.35	1153.05	0.01
Hempstead Lake	10508.9*	Max WS	3578.27	16.91	35.90		35.90	0.000001	0.25	14249.27	1146.45	0.01
Hempstead Lake	10488.7*	Max WS	3578.26	16.89	35.90		35.90	0.000001	0.25	14290.69	1138.52	0.01
Hempstead Lake	10468.6*	Max WS	3573.30	16.86	35.90		35.90	0.000001	0.25	14334.92	1131.29	0.01
Hempstead Lake	10448.5*	Max WS	3573.20	16.83	35.90		35.90	0.000001	0.25	14380.09	1125.54	0.01
Hempstead Lake	10428.4*	Max WS	3573.09	16.81	35.90		35.90	0.000001	0.25	14423.52	1121.90	0.01
Hempstead Lake	10408.3*	Max WS	3578.25	16.78	35.90		35.90	0.000001	0.25	14470.17	1118.39	0.01
Hempstead Lake	10388.2*	Max WS	3578.23	16.76	35.90		35.90	0.000001	0.25	14514.88	1115.13	0.01
Hempstead Lake	10368.1*	Max WS	3578.22	16.73	35.90		35.90	0.000001	0.25	14563.02	1112.09	0.01
Hempstead Lake	10348.0*	Max WS	3578.21	16.71	35.90		35.90	0.000001	0.24	14609.16	1109.12	0.01
Hempstead Lake	10327.9*	Max WS	3578.19	16.68	35.90		35.90	0.000001	0.24	14656.97	1106.16	0.01
Hempstead Lake	10307.8*	Max WS	3578.17	16.65	35.90		35.90	0.000001	0.24	14706.31	1103.41	0.01
Hempstead Lake	10287.7*	Max WS	3578.15	16.63	35.90		35.90	0.000001	0.24	14755.38	1100.67	0.01
Hempstead Lake	10267.6*	Max WS	3578.12	16.60	35.90		35.90	0.000001	0.24	14805.55	1097.95	0.01
Hempstead Lake	10247.4*	Max WS	3578.09	16.58	35.90		35.90	0.000001	0.24	14854.46	1095.27	0.01
Hempstead Lake	10227.3*	Max WS	3578.06	16.55	35.90		35.90	0.000001	0.24	14905.23	1092.73	0.01
Hempstead Lake	10207.2*	Max WS	3578.03	16.52	35.90		35.90	0.000001	0.24	14957.99	1090.22	0.01
Hempstead Lake	10187.1*	Max WS	3578.00	16.50	35.90		35.90	0.000001	0.24	15008.74	1087.74	0.01
Hempstead Lake	10167.0*	Max WS	3577.97	16.47	35.90		35.90	0.000001	0.24	15061.97	1085.27	0.01
Hempstead Lake	10146.9*	Max WS	3577.92	16.45	35.90		35.90	0.000001	0.24	15113.61	1083.01	0.01
Hempstead Lake	10126.8*	Max WS	3577.89	16.42	35.90		35.90	0.000001	0.24	15170.04	1080.64	0.01
Hempstead Lake	10106.7*	Max WS	3577.85	16.40	35.90		35.90	0.000001	0.24	15222.41	1078.35	0.01
Hempstead Lake	10086.6*	Max WS	3577.80	16.37	35.90		35.90	0.000001	0.23	15279.07	1094.70	0.01
Hempstead Lake	10066.5*	Max WS	3577.75	16.34	35.90		35.90	0.000001	0.23	15343.37	1157.03	0.01
Hempstead Lake	10046.4*	Max WS	3577.70	16.32	35.90		35.90	0.000001	0.23	15414.16	1167.59	0.01
Hempstead Lake	10026.2*	Max WS	3577.64	16.29	35.90		35.90	0.000001	0.23	15489.29	1178.48	0.01
Hempstead Lake	10006.1*	Max WS	3577.59	16.27	35.89		35.90	0.000001	0.23	15566.54	1189.91	0.01
Hempstead Lake	9986.073	Max WS	3577.53	16.24	35.89		35.90	0.000001	0.23	15648.12	1201.41	0.01
Hempstead Lake	9965.77*	Max WS	3577.47	16.21	35.89		35.90	0.000001	0.23	15636.89	1199.36	0.01
Hempstead Lake	9945.47*	Max WS	3577.40	16.19	35.89		35.90	0.000001	0.23	15622.51	1196.21	0.01
Hempstead Lake	9925.18*	Max WS	3577.33	16.16	35.89		35.90	0.000001	0.23	15608.55	1192.70	0.01
Hempstead Lake	9904.88*	Max WS	3577.27	16.13	35.89		35.90	0.000001	0.23	15594.22	1187.76	0.01
Hempstead Lake	9884.59*	Max WS	3577.21	16.11	35.89		35.90	0.000001	0.23	15577.15	1182.22	0.01
Hempstead Lake	9864.29*	Max WS	3577.14	16.08	35.89		35.90	0.000001	0.23	15561.90	1177.21	0.01
Hempstead Lake	9843.99*	Max WS	3577.07	16.05	35.89		35.90	0.000001	0.23	15546.49	1132.55	0.01
Hempstead Lake	9823.7*	Max WS	3576.99	16.03	35.89		35.90	0.000001	0.23	15534.91	1103.15	0.01
Hempstead Lake	9803.40*	Max WS	3576.91	16.00	35.89		35.90	0.000001	0.23	15523.82	1088.78	0.01
Hempstead Lake	9783.10*	Max WS	3576.84	15.97	35.89		35.90	0.000001	0.23	15513.82	1072.59	0.01
Hempstead Lake	9762.81*	Max WS	3576.77	15.95	35.89		35.90	0.000001	0.23	15504.26	1054.19	0.01
Hempstead Lake	9742.51*	Max WS	3576.69	15.92	35.89		35.89	0.000001	0.23	15496.41	1047.06	0.01
Hempstead Lake	9722.21*	Max WS	3584.94	15.89	35.89		35.89	0.000001	0.23	15487.75	1044.85	0.01
Hempstead Lake	9701.92*	Max WS	3576.52	15.87	35.89		35.89	0.000001	0.23	15477.53	1042.77	0.01
Hempstead Lake	9681.62*	Max WS	3584.93	15.84	35.89		35.89	0.000001	0.23	15466.54	1040.33	0.01
Hempstead Lake	9661.32*	Max WS	3576.35	15.81	35.89		35.89	0.000001	0.23	15456.59	1037.93	0.01
Hempstead Lake	9641.03*	Max WS	3576.27	15.79	35.89		35.89	0.000001	0.23	15444.02	1035.27	0.01
Hempstead Lake	9620.73*	Max WS	3576.18	15.76	35.89		35.89	0.000001	0.23	15431.75	1032.52	0.01
Hempstead Lake	9600.43*	Max WS	3584.91	15.73	35.89		35.89	0.000001	0.23	15417.60	1029.75	0.01
Hempstead Lake	9580.14*	Max WS	3584.90	15.71	35.89		35.89	0.000001	0.23	15403.01	1027.00	0.01
Hempstead Lake	9559.84*	Max WS	3584.88	15.68	35.89		35.89	0.000001	0.23	15388.02	1024.13	0.01
Hempstead Lake	9539.54*	Max WS	3584.87	15.66	35.89		35.89	0.000001	0.24	15371.34	1021.16	0.01
Hempstead Lake	9519.25*	Max WS	3584.85	15.63	35.89		35.89	0.000001	0.24	15353.64	1018.57	0.01
Hempstead Lake	9498.95*	Max WS	3584.82	15.60	35.89		35.89	0.000001	0.24	15337.68	1018.45	0.01
Hempstead Lake	9478.65*	Max WS	3584.80	15.58	35.89		35.89	0.000001	0.24	15318.65	1017.19	0.01
Hempstead Lake	9458.36*	Max WS	3584.77	15.55	35.89		35.89	0.000001	0.24	15300.30	1014.35	0.01
Hempstead Lake	9438.06*	Max WS	3584.74	15.52	35.89		35.89	0.000001	0.24	15279.24	1010.90	0.01
Hempstead Lake	9417.76*	Max WS	3584.71	15.50	35.89		35.89	0.000001	0.24	15259.02	1007.70	0.01
Hempstead Lake	9397.47*	Max WS	3584.67	15.47	35.89		35.89	0.000001	0.24	15236.92	1005.76	0.01
Hempstead Lake	9377.17*	Max WS	3584.63	15.44	35.89		35.89	0.000001	0.24	15216.10	1003.94	0.01
Hempstead Lake	9356.87*	Max WS	3584.59	15.42	35.89		35.89	0.000001	0.24	15190.60	1001.85	0.01
Hempstead Lake	9336.58*	Max WS	3584.54	15.39	35.89		35.89	0.000001	0.24	15167.93	999.72	0.01
Hempstead Lake	9316.28*	Max WS	3584.49	15.36	35.89		35.89	0.000001	0.24	15143.73	997.33	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9295.98*	Max WS	3584.44	15.34	35.89		35.89	0.000001	0.24	15117.63	995.15	0.01
Hempstead Lake	9275.69*	Max WS	3584.39	15.31	35.89		35.89	0.000001	0.24	15091.54	992.95	0.01
Hempstead Lake	9255.39*	Max WS	3584.34	15.28	35.89		35.89	0.000001	0.24	15064.91	990.81	0.01
Hempstead Lake	9235.09*	Max WS	3584.28	15.26	35.89		35.89	0.000001	0.24	15035.63	988.51	0.01
Hempstead Lake	9214.80*	Max WS	3584.22	15.23	35.89		35.89	0.000001	0.24	15008.95	986.37	0.01
Hempstead Lake	9194.50*	Max WS	3584.15	15.20	35.89		35.89	0.000001	0.25	14978.24	983.87	0.01
Hempstead Lake	9174.20*	Max WS	3594.27	15.18	35.89		35.89	0.000001	0.25	14947.27	981.75	0.01
Hempstead Lake	9153.910	Max WS	3594.25	15.15	35.89		35.89	0.000001	0.25	14917.39	979.43	0.01
Hempstead Lake	9133.22*	Max WS	3721.32	15.12	35.89		35.89	0.000001	0.26	14966.02	986.19	0.01
Hempstead Lake	9112.54*	Max WS	3721.31	15.10	35.89		35.89	0.000001	0.26	15010.31	992.98	0.01
Hempstead Lake	9091.85*	Max WS	3721.29	15.07	35.89		35.89	0.000001	0.25	15057.49	999.95	0.01
Hempstead Lake	9071.17*	Max WS	3721.26	15.05	35.89		35.89	0.000001	0.25	15101.51	1006.97	0.01
Hempstead Lake	9050.49*	Max WS	3721.23	15.02	35.89		35.89	0.000001	0.25	15144.85	1013.97	0.01
Hempstead Lake	9029.80*	Max WS	3721.20	15.00	35.89		35.89	0.000001	0.25	15186.40	1021.20	0.01
Hempstead Lake	9009.12*	Max WS	3721.16	14.97	35.89		35.89	0.000001	0.25	15228.02	1028.58	0.01
Hempstead Lake	8988.44*	Max WS	3721.12	14.95	35.89		35.89	0.000001	0.25	15268.00	1036.12	0.01
Hempstead Lake	8967.75*	Max WS	3731.38	14.92	35.89		35.89	0.000001	0.25	15307.05	1043.88	0.01
Hempstead Lake	8947.07*	Max WS	3721.02	14.90	35.89		35.89	0.000001	0.25	15344.64	1051.77	0.01
Hempstead Lake	8926.39*	Max WS	3720.95	14.87	35.89		35.89	0.000001	0.25	15381.60	1059.77	0.01
Hempstead Lake	8905.70*	Max WS	3720.88	14.85	35.89		35.89	0.000001	0.25	15418.09	1067.91	0.01
Hempstead Lake	8885.02*	Max WS	3731.36	14.82	35.89		35.89	0.000001	0.25	15452.95	1076.35	0.01
Hempstead Lake	8864.33*	Max WS	3731.34	14.80	35.89		35.89	0.000001	0.25	15485.96	1084.90	0.01
Hempstead Lake	8843.65*	Max WS	3731.32	14.77	35.89		35.89	0.000001	0.25	15519.77	1093.81	0.01
Hempstead Lake	8822.97*	Max WS	3731.29	14.75	35.89		35.89	0.000001	0.25	15551.00	1103.02	0.01
Hempstead Lake	8802.28*	Max WS	3731.24	14.72	35.89		35.89	0.000001	0.25	15581.74	1112.36	0.01
Hempstead Lake	8781.60*	Max WS	3731.20	14.70	35.89		35.89	0.000001	0.24	15612.21	1122.75	0.01
Hempstead Lake	8760.92*	Max WS	3741.73	14.67	35.89		35.89	0.000001	0.24	15641.71	1133.20	0.01
Hempstead Lake	8740.23*	Max WS	3731.09	14.65	35.89		35.89	0.000001	0.24	15670.97	1144.09	0.01
Hempstead Lake	8719.55*	Max WS	3741.71	14.62	35.89		35.89	0.000001	0.24	15697.58	1160.70	0.01
Hempstead Lake	8698.86*	Max WS	3741.69	14.60	35.89		35.89	0.000001	0.24	15728.34	1192.42	0.01
Hempstead Lake	8678.18*	Max WS	3741.65	14.57	35.89		35.89	0.000001	0.24	15759.52	1232.68	0.01
Hempstead Lake	8657.50*	Max WS	3741.60	14.55	35.89		35.89	0.000001	0.24	15793.49	1293.44	0.01
Hempstead Lake	8636.81*	Max WS	3741.55	14.52	35.89		35.89	0.000001	0.24	15835.31	1343.62	0.01
Hempstead Lake	8616.13*	Max WS	3752.12	14.50	35.89		35.89	0.000001	0.24	15878.37	1377.36	0.01
Hempstead Lake	8595.45*	Max WS	3752.09	14.47	35.89		35.89	0.000001	0.24	15927.68	1429.04	0.01
Hempstead Lake	8574.76*	Max WS	3752.06	14.45	35.89		35.89	0.000001	0.24	15977.65	1477.09	0.01
Hempstead Lake	8554.08*	Max WS	3752.01	14.42	35.89		35.89	0.000001	0.24	16032.00	1511.47	0.01
Hempstead Lake	8533.39*	Max WS	3762.42	14.40	35.89		35.89	0.000001	0.24	16088.16	1529.83	0.01
Hempstead Lake	8512.71*	Max WS	3762.40	14.37	35.89		35.89	0.000001	0.24	16143.27	1552.24	0.01
Hempstead Lake	8492.03*	Max WS	3762.37	14.35	35.89		35.89	0.000001	0.24	16201.29	1576.01	0.01
Hempstead Lake	8471.34*	Max WS	3762.33	14.32	35.89		35.89	0.000001	0.24	16259.43	1598.82	0.01
Hempstead Lake	8450.66*	Max WS	3762.26	14.30	35.89		35.89	0.000001	0.24	16318.05	1620.12	0.01
Hempstead Lake	8429.980	Max WS	3772.50	14.27	35.89		35.89	0.000001	0.24	16376.21	1641.05	0.01
Hempstead Lake	8416.34*	Max WS	3772.47	14.25	35.89		35.89	0.000001	0.24	16465.41	1649.29	0.01
Hempstead Lake	8402.71*	Max WS	3782.37	14.23	35.89		35.89	0.000001	0.24	16555.94	1658.33	0.01
Hempstead Lake	8389.07*	Max WS	3782.35	14.21	35.89		35.89	0.000001	0.24	16645.64	1667.86	0.01
Hempstead Lake	8375.44*	Max WS	3782.34	14.19	35.89		35.89	0.000001	0.24	16739.54	1677.16	0.01
Hempstead Lake	8361.81*	Max WS	3791.85	14.16	35.89		35.89	0.000001	0.23	16830.34	1688.00	0.01
Hempstead Lake	8348.17*	Max WS	3782.28	14.14	35.89		35.89	0.000001	0.23	16923.70	1699.73	0.01
Hempstead Lake	8334.54*	Max WS	3791.83	14.12	35.89		35.89	0.000001	0.23	17015.35	1710.73	0.01
Hempstead Lake	8320.91*	Max WS	3791.81	14.10	35.89		35.89	0.000001	0.23	17109.06	1724.63	0.01
Hempstead Lake	8307.27*	Max WS	3791.78	14.08	35.89		35.89	0.000001	0.23	17202.25	1736.21	0.01
Hempstead Lake	8293.64*	Max WS	3800.91	14.06	35.89		35.89	0.000001	0.23	17299.40	1748.79	0.01
Hempstead Lake	8280.00*	Max WS	3800.89	14.04	35.89		35.89	0.000001	0.23	17393.99	1760.71	0.01
Hempstead Lake	8266.37*	Max WS	3800.85	14.02	35.89		35.89	0.000000	0.23	17487.39	1770.01	0.01
Hempstead Lake	8252.74*	Max WS	3809.54	13.99	35.89		35.89	0.000000	0.22	17583.26	1779.85	0.01
Hempstead Lake	8239.10*	Max WS	3817.70	13.97	35.89		35.89	0.000000	0.22	17678.83	1789.95	0.01
Hempstead Lake	8225.47*	Max WS	3817.68	13.95	35.89		35.89	0.000000	0.22	17778.04	1802.34	0.01
Hempstead Lake	8211.84*	Max WS	3817.66	13.93	35.89		35.89	0.000000	0.22	17875.42	1816.52	0.01
Hempstead Lake	8198.20*	Max WS	3825.35	13.91	35.89		35.89	0.000000	0.22	17975.36	1829.98	0.01
Hempstead Lake	8184.57*	Max WS	3832.50	13.89	35.89		35.89	0.000000	0.22	18073.97	1844.51	0.01
Hempstead Lake	8170.93*	Max WS	3832.49	13.87	35.89		35.89	0.000000	0.22	18174.01	1858.77	0.01
Hempstead Lake	8157.30*	Max WS	3839.08	13.85	35.89		35.89	0.000000	0.22	18273.42	1872.62	0.01
Hempstead Lake	8143.67*	Max WS	3832.43	13.82	35.89		35.89	0.000000	0.22	18377.58	1886.34	0.01
Hempstead Lake	8130.03*	Max WS	3839.06	13.80	35.89		35.89	0.000000	0.21	18481.04	1815.32	0.01
Hempstead Lake	8116.40*	Max WS	3845.11	13.78	35.89		35.89	0.000000	0.21	18590.93	1813.20	0.01
Hempstead Lake	8102.76*	Max WS	3845.09	13.76	35.89		35.89	0.000000	0.21	18699.42	1818.28	0.01
Hempstead Lake	8089.13*	Max WS	3850.58	13.74	35.89		35.89	0.000000	0.21	18809.13	1825.04	0.01
Hempstead Lake	8075.50*	Max WS	3855.52	13.72	35.89		35.89	0.000000	0.21	18923.15	1837.72	0.01
Hempstead Lake	8061.86*	Max WS	3855.50	13.70	35.89		35.89	0.000000	0.21	19038.13	1852.93	0.01
Hempstead Lake	8048.23*	Max WS	3859.84	13.68	35.89		35.89	0.000000	0.21	19155.01	1860.57	0.01
Hempstead Lake	8034.6*	Max WS	3863.63	13.65	35.89		35.89	0.000000	0.21	19273.92	1867.85	0.01
Hempstead Lake	8020.96*	Max WS	3866.81	13.63	35.89		35.89	0.000000	0.21	19396.40	1878.87	0.01
Hempstead Lake	8007.33*	Max WS	3866.79	13.61	35.89		35.89	0.000000	0.21	19517.44	1899.43	0.01
Hempstead Lake	7993.69*	Max WS	3869.40	13.59	35.89		35.89	0.000000	0.20	19642.97	1924.68	0.01
Hempstead Lake	7980.06*	Max WS	3871.43	13.57	35.89		35.89	0.000000	0.20	19768.51	1954.10	0.01
Hempstead Lake	7966.43*	Max WS	3871.41	13.55	35.89		35.89	0.000000	0.20	19900.76	2006.82	0.01
Hempstead Lake	7952.79*	Max WS	3871.39	13.53	35.89		35.89	0.000000	0.20	20035.24	2063.39	0.01
Hempstead Lake	7939.16*	Max WS	3872.84	13.51	35.89		35.89	0.000000	0.20	20173.91	2118.22	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7925.53*	Max WS	3874.03	13.48	35.89		35.89	0.000000	0.20	20318.05	2166.31	0.01
Hempstead Lake	7911.89*	Max WS	3874.02	13.46	35.89		35.89	0.000000	0.20	20464.35	2215.23	0.01
Hempstead Lake	7898.26*	Max WS	3873.75	13.44	35.89		35.89	0.000000	0.20	20616.48	2262.54	0.01
Hempstead Lake	7884.62*	Max WS	3873.74	13.42	35.89		35.89	0.000000	0.20	20769.28	2304.98	0.01
Hempstead Lake	7870.99*	Max WS	3873.71	13.40	35.89		35.89	0.000000	0.19	20927.01	2352.60	0.01
Hempstead Lake	7857.36*	Max WS	3871.53	13.38	35.89		35.89	0.000000	0.19	21104.13	2899.27	0.01
Hempstead Lake	7843.72*	Max WS	3871.52	13.36	35.89		35.89	0.000000	0.19	21305.80	2903.56	0.01
Hempstead Lake	7830.09*	Max WS	3871.50	13.34	35.89		35.89	0.000000	0.19	21510.10	2909.03	0.01
Hempstead Lake	7816.45*	Max WS	3869.61	13.31	35.89		35.89	0.000000	0.19	21717.64	2914.55	0.01
Hempstead Lake	7802.82*	Max WS	3869.58	13.29	35.89		35.89	0.000000	0.19	21918.44	2920.74	0.01
Hempstead Lake	7789.19*	Max WS	3869.53	13.27	35.89		35.89	0.000000	0.19	22127.74	2927.38	0.01
Hempstead Lake	7775.55*	Max WS	3867.14	13.25	35.89		35.89	0.000000	0.19	22331.61	2934.51	0.01
Hempstead Lake	7761.92*	Max WS	3864.17	13.23	35.89		35.89	0.000000	0.19	22540.61	2941.99	0.01
Hempstead Lake	7748.29*	Max WS	3860.73	13.21	35.89		35.89	0.000000	0.18	22748.81	2949.52	0.01
Hempstead Lake	7734.65*	Max WS	3856.81	13.19	35.89		35.89	0.000000	0.18	22959.14	2958.34	0.01
Hempstead Lake	7721.02*	Max WS	3860.70	13.17	35.89		35.89	0.000000	0.18	23174.02	2966.77	0.01
Hempstead Lake	7707.38*	Max WS	3856.79	13.14	35.89		35.89	0.000000	0.18	23381.76	2975.74	0.01
Hempstead Lake	7693.75*	Max WS	3856.76	13.12	35.89		35.89	0.000000	0.18	23596.65	2984.78	0.01
Hempstead Lake	7680.12*	Max WS	3852.37	13.10	35.89		35.89	0.000000	0.18	23807.68	2994.72	0.01
Hempstead Lake	7666.48*	Max WS	3856.68	13.08	35.89		35.89	0.000000	0.18	24027.36	3004.76	0.01
Hempstead Lake	7652.85*	Max WS	3852.34	13.06	35.89		35.89	0.000000	0.18	24238.60	3014.66	0.01
Hempstead Lake	7639.22*	Max WS	3852.31	13.04	35.89		35.89	0.000000	0.18	24458.57	3026.48	0.01
Hempstead Lake	7625.58*	Max WS	3847.49	13.02	35.89		35.89	0.000000	0.17	24679.25	3038.46	0.01
Hempstead Lake	7611.95*	Max WS	3847.44	13.00	35.89		35.89	0.000000	0.17	24894.58	3051.32	0.01
Hempstead Lake	7598.31*	Max WS	3842.21	12.97	35.89		35.89	0.000000	0.17	25116.15	3064.22	0.01
Hempstead Lake	7584.68*	Max WS	3836.59	12.95	35.89		35.89	0.000000	0.17	25336.88	3076.53	0.01
Hempstead Lake	7571.05*	Max WS	3836.57	12.93	35.89		35.89	0.000000	0.17	25564.12	3140.66	0.01
Hempstead Lake	7557.41*	Max WS	3836.55	12.91	35.89		35.89	0.000000	0.17	25787.79	3154.09	0.01
Hempstead Lake	7543.783	Max WS	3842.07	12.89	35.89		35.89	0.000000	0.17	26016.40	3168.33	0.01
Hempstead Lake	7530.03*	Max WS	3856.14	12.85	35.89		35.89	0.000000	0.17	26170.86	3183.50	0.01
Hempstead Lake	7516.28*	Max WS	3862.06	12.82	35.89		35.89	0.000000	0.17	26326.16	3201.59	0.01
Hempstead Lake	7502.53*	Max WS	3856.10	12.78	35.89		35.89	0.000000	0.17	26482.65	3218.57	0.01
Hempstead Lake	7488.79*	Max WS	3849.80	12.74	35.89		35.89	0.000000	0.17	26641.40	3236.53	0.01
Hempstead Lake	7475.04*	Max WS	3861.88	12.71	35.89		35.89	0.000000	0.17	26799.02	3258.44	0.01
Hempstead Lake	7461.29*	Max WS	3856.02	12.67	35.89		35.89	0.000000	0.17	26958.48	3294.50	0.01
Hempstead Lake	7447.54*	Max WS	3849.78	12.63	35.89		35.89	0.000000	0.16	27123.03	3319.81	0.01
Hempstead Lake	7433.79*	Max WS	3849.76	12.60	35.89		35.89	0.000000	0.16	27283.08	3326.68	0.01
Hempstead Lake	7420.04*	Max WS	3849.71	12.56	35.89		35.89	0.000000	0.16	27444.71	3333.70	0.01
Hempstead Lake	7406.3*	Max WS	3849.67	12.52	35.89		35.89	0.000000	0.16	27610.26	3341.00	0.01
Hempstead Lake	7392.55*	Max WS	3849.64	12.49	35.89		35.89	0.000000	0.16	27774.61	3348.28	0.01
Hempstead Lake	7378.80*	Max WS	3849.59	12.45	35.89		35.89	0.000000	0.16	27936.63	3356.80	0.01
Hempstead Lake	7365.05*	Max WS	3849.53	12.41	35.89		35.89	0.000000	0.16	28102.63	3364.49	0.01
Hempstead Lake	7351.30*	Max WS	3843.16	12.38	35.89		35.89	0.000000	0.16	28267.44	3372.69	0.01
Hempstead Lake	7337.55*	Max WS	3843.11	12.34	35.89		35.89	0.000000	0.16	28431.32	3381.81	0.01
Hempstead Lake	7323.81*	Max WS	3836.45	12.30	35.89		35.89	0.000000	0.16	28597.64	3391.67	0.01
Hempstead Lake	7310.06*	Max WS	3843.02	12.26	35.89		35.89	0.000000	0.16	28765.26	3404.48	0.01
Hempstead Lake	7296.31*	Max WS	3842.96	12.23	35.89		35.89	0.000000	0.16	28933.70	3416.57	0.01
Hempstead Lake	7282.56*	Max WS	3836.42	12.19	35.89		35.89	0.000000	0.16	29101.29	3428.97	0.01
Hempstead Lake	7268.81*	Max WS	3836.39	12.15	35.89		35.89	0.000000	0.16	29271.42	3442.84	0.01
Hempstead Lake	7255.06*	Max WS	3836.35	12.12	35.89		35.89	0.000000	0.16	29440.01	3456.51	0.01
Hempstead Lake	7241.32*	Max WS	3836.31	12.08	35.89		35.89	0.000000	0.16	29611.52	3471.18	0.01
Hempstead Lake	7227.57*	Max WS	3836.28	12.04	35.89		35.89	0.000000	0.16	29785.68	3486.75	0.01
Hempstead Lake	7213.82*	Max WS	3829.61	12.01	35.89		35.89	0.000000	0.16	29956.73	3502.86	0.01
Hempstead Lake	7200.07*	Max WS	3829.58	11.97	35.89		35.89	0.000000	0.15	30128.09	3517.95	0.01
Hempstead Lake	7186.32*	Max WS	3829.54	11.93	35.89		35.89	0.000000	0.15	30305.95	3535.75	0.01
Hempstead Lake	7172.57*	Max WS	3829.51	11.90	35.89		35.89	0.000000	0.15	30482.19	3554.58	0.01
Hempstead Lake	7158.83*	Max WS	3835.50	11.86	35.89		35.89	0.000000	0.15	30658.53	3572.95	0.01
Hempstead Lake	7145.08*	Max WS	3829.04	11.82	35.89		35.89	0.000000	0.15	30839.35	3598.04	0.01
Hempstead Lake	7131.33*	Max WS	3823.16	11.79	35.89		35.89	0.000000	0.15	31021.86	3625.81	0.01
Hempstead Lake	7117.58*	Max WS	3828.35	11.75	35.89		35.89	0.000000	0.15	31208.39	3655.20	0.01
Hempstead Lake	7103.83*	Max WS	3827.79	11.71	35.89		35.89	0.000000	0.15	31394.41	3682.29	0.01
Hempstead Lake	7090.08*	Max WS	3827.50	11.68	35.89		35.89	0.000000	0.15	31580.56	3710.33	0.01
Hempstead Lake	7076.34*	Max WS	3827.46	11.64	35.89		35.89	0.000000	0.15	31774.47	3740.97	0.01
Hempstead Lake	7062.59*	Max WS	3827.02	11.60	35.89		35.89	0.000000	0.15	31965.29	3761.47	0.01
Hempstead Lake	7048.84*	Max WS	3823.40	11.57	35.89		35.89	0.000000	0.15	32157.84	3765.63	0.01
Hempstead Lake	7035.09*	Max WS	3823.19	11.53	35.89		35.89	0.000000	0.14	39915.83	5595.23	0.01
Hempstead Lake	7021.34*	Max WS	3822.92	11.49	35.89		35.89	0.000000	0.14	40124.10	5604.94	0.01
Hempstead Lake	7007.6*	Max WS	3824.21	11.46	35.89		35.89	0.000000	0.14	40337.03	5614.21	0.01
Hempstead Lake	6993.85*	Max WS	3823.42	11.42	35.89		35.89	0.000000	0.14	40547.97	5623.91	0.01
Hempstead Lake	6980.10*	Max WS	3822.48	11.38	35.89		35.89	0.000000	0.14	40765.26	5610.18	0.01
Hempstead Lake	6966.35*	Max WS	3822.42	11.35	35.89		35.89	0.000000	0.14	40985.68	5577.12	0.01
Hempstead Lake	6952.60*	Max WS	3822.36	11.31	35.89		35.89	0.000000	0.14	41218.92	5543.52	0.01
Hempstead Lake	6938.85*	Max WS	3822.58	11.27	35.89		35.89	0.000000	0.13	41457.18	5538.01	0.01
Hempstead Lake	6925.11*	Max WS	3822.07	11.23	35.89		35.89	0.000000	0.13	41699.34	5533.41	0.01
Hempstead Lake	6911.36*	Max WS	3821.24	11.20	35.89		35.89	0.000000	0.13	41948.12	5530.04	0.01
Hempstead Lake	6897.61*	Max WS	3821.52	11.16	35.89		35.89	0.000000	0.13	42195.92	5526.89	0.01
Hempstead Lake	6883.86*	Max WS	3819.70	11.12	35.89		35.89	0.000000	0.13	42449.41	5525.00	0.00
Hempstead Lake	6870.11*	Max WS	3821.28	11.09	35.89		35.89	0.000000	0.13	42705.04	5522.77	0.00
Hempstead Lake	6856.36*	Max WS	3819.41	11.05	35.89		35.89	0.000000	0.13	42964.13	5520.92	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6842.62*	Max WS	3821.20	11.01	35.89		35.89	0.000000	0.13	43223.61	5519.40	0.00
Hempstead Lake	6828.87*	Max WS	3821.14	10.98	35.89		35.89	0.000000	0.13	43489.23	5517.15	0.00
Hempstead Lake	6815.12*	Max WS	3821.07	10.94	35.89		35.89	0.000000	0.13	43757.98	5509.06	0.00
Hempstead Lake	6801.37*	Max WS	3820.99	10.90	35.89		35.89	0.000000	0.13	44030.91	5507.12	0.00
Hempstead Lake	6787.62*	Max WS	3820.93	10.87	35.89		35.89	0.000000	0.13	44305.41	5505.71	0.00
Hempstead Lake	6773.87*	Max WS	3820.86	10.83	35.89		35.89	0.000000	0.13	44583.37	5504.68	0.00
Hempstead Lake	6760.13*	Max WS	3823.20	10.79	35.89		35.89	0.000000	0.12	44866.56	5504.03	0.00
Hempstead Lake	6746.38*	Max WS	3820.56	10.76	35.89		35.89	0.000000	0.12	45147.75	5503.29	0.00
Hempstead Lake	6732.634	Max WS	3820.01	10.72	35.89		35.89	0.000000	0.12	45434.65	5495.58	0.00
Hempstead Lake	6718.98*	Max WS	3819.35	10.73	35.89		35.89	0.000000	0.12	45326.14	5470.08	0.00
Hempstead Lake	6705.33*	Max WS	3823.60	10.74	35.89		35.89	0.000000	0.12	45221.90	5444.23	0.00
Hempstead Lake	6691.68*	Max WS	3818.25	10.75	35.89		35.89	0.000000	0.12	45111.79	5415.66	0.00
Hempstead Lake	6678.03*	Max WS	3817.88	10.76	35.89		35.89	0.000000	0.12	45004.80	5384.03	0.00
Hempstead Lake	6664.38*	Max WS	3817.35	10.77	35.89		35.89	0.000000	0.12	44897.96	5351.56	0.00
Hempstead Lake	6650.72*	Max WS	3816.75	10.78	35.89		35.89	0.000000	0.12	44791.04	5315.17	0.00
Hempstead Lake	6637.07*	Max WS	3816.23	10.79	35.89		35.89	0.000000	0.12	44686.63	5276.11	0.00
Hempstead Lake	6623.42*	Max WS	3815.68	10.80	35.89		35.89	0.000000	0.13	44579.73	5243.34	0.00
Hempstead Lake	6609.77*	Max WS	3815.01	10.81	35.89		35.89	0.000000	0.13	44474.17	5226.92	0.00
Hempstead Lake	6596.12*	Max WS	3824.70	10.82	35.89		35.89	0.000000	0.13	44364.80	5210.61	0.00
Hempstead Lake	6582.47*	Max WS	3813.95	10.83	35.89		35.89	0.000000	0.13	44256.49	5194.02	0.00
Hempstead Lake	6568.82*	Max WS	3813.68	10.84	35.89		35.89	0.000000	0.13	44145.77	5177.95	0.00
Hempstead Lake	6555.17*	Max WS	3813.62	10.85	35.89		35.89	0.000000	0.13	44034.87	5161.80	0.00
Hempstead Lake	6541.52*	Max WS	3813.56	10.86	35.89		35.89	0.000000	0.15	34727.02	3776.40	0.01
Hempstead Lake	6527.87*	Max WS	3802.16	10.87	35.89		35.89	0.000000	0.15	34577.36	3770.34	0.01
Hempstead Lake	6514.22*	Max WS	3813.51	10.88	35.89		35.89	0.000000	0.15	34430.05	3764.29	0.01
Hempstead Lake	6500.57*	Max WS	3813.44	10.89	35.89		35.89	0.000000	0.15	34283.16	3758.24	0.01
Hempstead Lake	6486.91*	Max WS	3824.94	10.91	35.89		35.89	0.000000	0.15	34135.23	3752.18	0.01
Hempstead Lake	6473.26*	Max WS	3813.36	10.92	35.89		35.89	0.000000	0.15	33987.89	3746.13	0.01
Hempstead Lake	6459.61*	Max WS	3813.31	10.93	35.89		35.89	0.000000	0.15	33843.74	3740.07	0.01
Hempstead Lake	6445.96*	Max WS	3813.26	10.94	35.89		35.89	0.000000	0.15	33697.06	3734.02	0.01
Hempstead Lake	6432.31*	Max WS	3813.21	10.95	35.89		35.89	0.000000	0.15	33551.86	3727.97	0.01
Hempstead Lake	6418.66*	Max WS	3813.15	10.96	35.89		35.89	0.000000	0.16	33405.37	3717.13	0.01
Hempstead Lake	6405.01*	Max WS	3813.10	10.97	35.89		35.89	0.000000	0.16	33261.74	3698.98	0.01
Hempstead Lake	6391.36*	Max WS	3813.06	10.98	35.89		35.89	0.000000	0.16	33120.47	3685.71	0.01
Hempstead Lake	6377.71*	Max WS	3813.02	10.99	35.89		35.89	0.000000	0.16	32976.91	3673.36	0.01
Hempstead Lake	6364.06*	Max WS	3812.98	11.00	35.89		35.89	0.000000	0.16	32836.19	3662.12	0.01
Hempstead Lake	6350.41*	Max WS	3800.77	11.01	35.89		35.89	0.000000	0.16	32695.27	3651.64	0.01
Hempstead Lake	6336.76*	Max WS	3800.67	11.02	35.89		35.89	0.000000	0.16	32556.10	3641.42	0.01
Hempstead Lake	6323.11*	Max WS	3800.56	11.03	35.89		35.89	0.000000	0.16	32415.40	3631.38	0.01
Hempstead Lake	6309.45*	Max WS	3812.89	11.04	35.89		35.89	0.000000	0.16	32275.92	3621.53	0.01
Hempstead Lake	6295.80*	Max WS	3812.85	11.05	35.89		35.89	0.000000	0.16	32136.84	3611.50	0.01
Hempstead Lake	6282.15*	Max WS	3812.81	11.06	35.89		35.89	0.000000	0.16	31999.38	3601.93	0.01
Hempstead Lake	6268.507	Max WS	3812.77	11.07	35.89		35.89	0.000000	0.16	31861.47	3592.66	0.01
Hempstead Lake	6259.72*	Max WS	3812.74	11.10	35.89		35.89	0.000000	0.16	31290.64	3391.32	0.01
Hempstead Lake	6250.93*	Max WS	3812.71	11.14	35.89		35.89	0.000000	0.16	30820.54	3190.41	0.01
Hempstead Lake	6242.14*	Max WS	3812.69	11.17	35.89		35.89	0.000000	0.15	30451.13	2989.22	0.01
Hempstead Lake	6233.35*	Max WS	3812.61	11.21	35.89		35.89	0.000000	0.15	30180.99	2777.23	0.01
Hempstead Lake	6224.57*	Max WS	3812.47	11.24	35.89		35.89	0.000000	0.14	32735.84	3230.16	0.01
Hempstead Lake	6215.78*	Max WS	3799.42	11.27	35.89		35.89	0.000000	0.14	31796.78	2898.01	0.01
Hempstead Lake	6206.99*	Max WS	3812.41	11.31	35.89		35.89	0.000000	0.14	31123.91	2565.18	0.01
Hempstead Lake	6198.21*	Max WS	3812.39	11.34	35.89		35.89	0.000000	0.13	30716.54	2246.41	0.01
Hempstead Lake	6189.42*	Max WS	3812.38	11.38	35.89		35.89	0.000000	0.13	30590.43	1916.58	0.00
Hempstead Lake	6180.638	Max WS	3799.24	11.41	35.89		35.89	0.000000	0.13	30701.46	1541.19	0.00
Hempstead Lake	6177.638	Max WS	3812.37	11.00	35.89	11.69	35.89	0.000001	0.12	31167.00	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	19127.36	10.80	27.21		27.44	0.004844	3.85	4978.08	1122.19	0.32
Hempstead Lake	5930.638	Max WS	19099.86	10.80	27.03		27.23	0.003682	3.55	5467.51	1177.86	0.28
Hempstead Lake	5880.638	Max WS	19079.95	10.80	26.78		27.01	0.004969	3.90	4950.02	1142.67	0.32
Hempstead Lake	5830.638	Max WS	19064.28	10.80	26.47		26.74	0.006123	4.16	4646.34	1116.05	0.35
Hempstead Lake	5780.638	Max WS	19050.24	10.80	26.07		26.38	0.008074	4.52	4292.34	1133.64	0.40
Hempstead Lake	5730.638	Max WS	19035.96	10.80	25.70		25.99	0.007797	4.31	4424.91	1237.58	0.39
Hempstead Lake	5680.638	Max WS	19021.69	10.80	25.39		25.66	0.006059	3.83	4795.55	1265.48	0.34
Hempstead Lake	5630.638	Max WS	19008.21	10.80	25.12		25.38	0.005401	3.64	4931.11	1279.28	0.32
Hempstead Lake	5580.638	Max WS	18996.33	10.80	24.88		25.11	0.004980	3.57	5136.87	1272.12	0.31
Hempstead Lake	5530.638	Max WS	18994.03	10.80	24.61		24.85	0.005355	3.70	5053.12	1260.57	0.32
Hempstead Lake	5480.638	Max WS	18985.05	10.80	24.28		24.54	0.006761	4.02	4703.27	1255.80	0.36
Hempstead Lake	5430.638	Max WS	18969.76	8.00	23.76		24.11	0.010797	4.61	4105.04	1250.44	0.44
Hempstead Lake	5380.638	Max WS	18951.42	8.00	23.29		23.75	0.003755	5.69	3746.19	1213.01	0.56
Hempstead Lake	5330.638	Max WS	18929.32	8.00	22.94		23.32	0.012865	4.93	3869.36	1211.13	0.48
Hempstead Lake	5307.48*	Max WS	18903.28	7.93	22.68		23.04	0.010897	4.98	3958.09	1226.33	0.47
Hempstead Lake	5284.32*	Max WS	18853.40	7.87	22.46		22.81	0.009207	4.90	4068.33	1224.85	0.45
Hempstead Lake	5261.17*	Max WS	18745.78	7.80	22.29		22.61	0.007206	4.66	4257.90	1203.89	0.41
Hempstead Lake	5238.01*	Max WS	18588.82	7.73	22.18		22.46	0.005427	4.35	4519.60	1187.09	0.37
Hempstead Lake	5214.85*	Max WS	18502.83	7.67	22.10		22.35	0.004103	4.06	4827.52	1183.76	0.33
Hempstead Lake	5191.70*	Max WS	18414.37	7.60	22.05		22.26	0.003120	3.78	5159.35	1183.78	0.29
Hempstead Lake	5168.54*	Max WS	18384.57	7.54	22.01		22.20	0.002413	3.54	5506.67	1185.87	0.27
Hempstead Lake	5145.39*	Max WS	18354.87	7.47	21.98		22.15	0.001891	3.32	5859.80	1186.89	0.24
Hempstead Lake	5122.23*	Max WS	18325.44	7.40	21.96		22.11	0.001501	3.12	6217.25	1189.29	0.22
Hempstead Lake	5099.07*	Max WS	18296.37	7.34	21.94		22.07	0.001207	2.94	6575.45	1192.02	0.20

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	5075.922	Max WS	18296.21	7.27	21.93		22.06	0.000186	2.87	6933.76	1195.63	0.19
Hempstead Lake	5055.96*	Max WS	18296.08	7.23	21.94		22.05	0.000759	2.67	7245.22	1184.35	0.17
Hempstead Lake	5036.01*	Max WS	18295.98	7.20	21.94		22.03	0.000555	2.55	7579.02	1166.35	0.16
Hempstead Lake	5016.05*	Max WS	18295.86	7.16	21.93		22.02	0.000403	2.44	7942.32	1162.88	0.15
Hempstead Lake	4996.10*	Max WS	18295.74	7.12	21.93		22.02	0.000273	2.34	8325.52	1163.21	0.14
Hempstead Lake	4976.14*	Max WS	18295.64	7.09	21.94		22.01	0.000184	2.24	8719.86	1164.99	0.13
Hempstead Lake	4956.192	Max WS	18295.58	7.05	21.94		22.01	0.000083	2.15	9125.94	1167.72	0.12
Hempstead Lake	4936.44*	Max WS	18321.62	7.02	21.94		22.01	0.000117	2.04	9526.22	1164.23	0.11
Hempstead Lake	4916.69*	Max WS	18321.34	6.98	21.95		22.01	0.000144	1.94	9931.92	1158.39	0.10
Hempstead Lake	4896.94*	Max WS	18321.09	6.95	21.95		22.00	0.000174	1.86	10339.90	1152.87	0.10
Hempstead Lake	4877.19*	Max WS	18320.86	6.91	21.95		22.00	0.000193	1.77	10754.93	1147.00	0.09
Hempstead Lake	4857.44*	Max WS	18320.63	6.88	21.95		22.00	0.000213	1.70	11175.96	1141.57	0.09
Hempstead Lake	4837.697	Max WS	18320.41	6.84	21.95		21.99	0.000038	1.65	11605.06	1133.83	0.08
Hempstead Lake	4817.64*	Max WS	18406.64	6.81	21.95		21.99	0.000223	1.62	11640.66	1128.16	0.08
Hempstead Lake	4797.59*	Max WS	18406.38	6.77	21.95		21.99	0.000220	1.61	11674.51	1121.99	0.08
Hempstead Lake	4777.53*	Max WS	18382.39	6.67	21.94		21.98	0.000215	1.60	11711.02	1116.06	0.08
Hempstead Lake	4757.48*	Max WS	18382.34	6.58	21.94		21.98	0.000211	1.59	11747.84	1109.49	0.08
Hempstead Lake	4737.42*	Max WS	18382.25	6.49	21.93		21.97	0.000207	1.59	11786.44	1102.56	0.08
Hempstead Lake	4717.37*	Max WS	18382.13	6.40	21.93		21.97	0.000203	1.58	11826.62	1096.43	0.08
Hempstead Lake	4697.32*	Max WS	18381.96	6.30	21.93		21.97	0.000199	1.57	11870.27	1089.78	0.08
Hempstead Lake	4677.26*	Max WS	18381.76	6.21	21.92		21.96	0.000195	1.56	11914.68	1082.69	0.08
Hempstead Lake	4657.21*	Max WS	18381.52	6.12	21.92		21.96	0.000191	1.55	11961.50	1075.14	0.07
Hempstead Lake	4637.16*	Max WS	18359.11	6.02	21.92		21.95	0.000187	1.54	12011.12	1067.48	0.07
Hempstead Lake	4617.10*	Max WS	18359.07	5.91	21.91		21.95	0.000183	1.53	12062.98	1058.57	0.07
Hempstead Lake	4597.05*	Max WS	18359.00	5.76	21.91		21.95	0.000180	1.52	12115.78	1052.33	0.07
Hempstead Lake	4577.*	Max WS	18358.90	5.60	21.91		21.94	0.000176	1.51	12172.65	1046.44	0.07
Hempstead Lake	4556.94*	Max WS	18358.76	5.45	21.91		21.94	0.000172	1.50	12231.55	1041.11	0.07
Hempstead Lake	4536.893	Max WS	18358.60	5.30	21.90		21.94	0.000029	1.54	12291.67	1036.00	0.07
Hempstead Lake	4516.70*	Max WS	18363.24	5.16	21.90		21.94	0.000164	1.48	12348.62	1033.79	0.07
Hempstead Lake	4496.51*	Max WS	18363.04	5.02	21.90		21.93	0.000161	1.48	12408.14	1031.92	0.07
Hempstead Lake	4476.32*	Max WS	18362.80	4.88	21.90		21.93	0.000158	1.47	12474.48	1030.00	0.07
Hempstead Lake	4456.14*	Max WS	18342.24	4.74	21.89		21.93	0.000154	1.46	12542.84	1028.14	0.07
Hempstead Lake	4435.95*	Max WS	18342.20	4.60	21.89		21.93	0.000150	1.45	12618.48	1026.55	0.07
Hempstead Lake	4415.76*	Max WS	18342.12	4.46	21.89		21.92	0.000146	1.44	12698.66	1025.16	0.07
Hempstead Lake	4395.57*	Max WS	18342.03	4.32	21.89		21.92	0.000143	1.43	12784.27	1024.41	0.07
Hempstead Lake	4375.38*	Max WS	18341.91	4.18	21.88		21.92	0.000139	1.42	12875.53	1025.24	0.06
Hempstead Lake	4355.20*	Max WS	18341.77	4.04	21.88		21.91	0.000135	1.41	12972.55	1025.86	0.06
Hempstead Lake	4335.01*	Max WS	18341.60	3.90	21.88		21.91	0.000131	1.40	13074.77	1026.22	0.06
Hempstead Lake	4314.82*	Max WS	18341.40	3.76	21.88		21.91	0.000127	1.39	13182.84	1026.95	0.06
Hempstead Lake	4294.63*	Max WS	18341.18	3.62	21.88		21.91	0.000123	1.38	13296.40	1027.34	0.06
Hempstead Lake	4274.44*	Max WS	18340.94	3.48	21.88		21.91	0.000119	1.37	13414.50	1028.00	0.06
Hempstead Lake	4254.26*	Max WS	18322.38	3.34	21.87		21.90	0.000115	1.36	13538.59	1028.25	0.06
Hempstead Lake	4234.07*	Max WS	18322.34	3.20	21.87		21.90	0.000111	1.34	13668.40	1028.52	0.06
Hempstead Lake	4213.88*	Max WS	18322.29	3.06	21.87		21.90	0.000107	1.33	13804.34	1028.96	0.06
Hempstead Lake	4193.69*	Max WS	18322.22	2.92	21.87		21.90	0.000103	1.32	13943.96	1029.18	0.06
Hempstead Lake	4173.50*	Max WS	18322.12	2.78	21.87		21.90	0.000100	1.31	14089.61	1029.38	0.06
Hempstead Lake	4153.320	Max WS	18322.01	2.64	21.87		21.89	0.000017	1.34	14240.59	1029.58	0.06
Hempstead Lake	4131.85*	Max WS	18326.36	2.69	21.87		21.89	0.000098	1.30	14158.71	1022.40	0.06
Hempstead Lake	4110.38*	Max WS	18326.21	2.75	21.86		21.89	0.000100	1.31	14080.41	1016.15	0.06
Hempstead Lake	4088.91*	Max WS	18326.03	2.80	21.86		21.89	0.000101	1.32	14009.98	1010.41	0.06
Hempstead Lake	4067.44*	Max WS	18325.84	2.86	21.86		21.89	0.000102	1.33	13943.35	1005.38	0.06
Hempstead Lake	4045.97*	Max WS	18325.62	2.91	21.86		21.88	0.000103	1.34	13885.09	1000.76	0.06
Hempstead Lake	4024.50*	Max WS	18309.19	2.97	21.85		21.88	0.000104	1.34	13830.28	996.54	0.06
Hempstead Lake	4003.034	Max WS	18309.15	3.02	21.85		21.88	0.000018	1.39	13783.46	992.68	0.06
Hempstead Lake	4002		Lat Struct									
Hempstead Lake	3984.01*	Max WS	17957.13	3.78	21.85		21.88	0.000132	1.44	12740.22	989.16	0.06
Hempstead Lake	3964.99*	Max WS	17957.01	4.54	21.84		21.88	0.000173	1.57	11720.55	1002.31	0.07
Hempstead Lake	3945.97*	Max WS	17940.88	5.30	21.83		21.87	0.000230	1.71	10731.88	1020.59	0.08
Hempstead Lake	3926.95*	Max WS	17940.82	6.06	21.82		21.87	0.000314	1.88	9777.34	1059.05	0.09
Hempstead Lake	3907.93*	Max WS	17940.63	6.82	21.80		21.86	0.000440	2.09	8881.53	1118.19	0.11
Hempstead Lake	3888.916	Max WS	17925.29	7.58	21.77		21.86	0.000109	2.42	7991.74	1103.66	0.13
Hempstead Lake	3883.916	Max WS	17929.46	7.20	21.77	15.00	21.86	0.000115	2.46	7879.16	1106.50	0.14
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	17844.80	7.19	21.61		21.72	0.000161	2.75	7155.44	1100.08	0.16
Hempstead Lake	3858.916	Max WS	17826.62	7.17	21.60		21.72	0.000186	2.80	7030.46	1101.46	0.16
Hempstead Lake	3826.579	Max WS	17808.16	6.10	21.54		21.72	0.000337	3.42	5872.16	1104.67	0.22
Hempstead Lake	3821.579	Max WS	17789.82	6.02	21.53		21.72	0.000369	3.50	5737.54	1105.30	0.23
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	17789.82	5.94	21.48		21.66	0.001092	3.48	5921.46	1180.53	0.23
Hempstead Lake	3736.579	Max WS	17789.77	5.88	21.47		21.65	0.000367	3.48	6015.34	1184.28	0.22
Hempstead Lake	3699.46*	Max WS	17789.37	5.83	21.47		21.64	0.000406	3.33	6351.23	1207.70	0.21
Hempstead Lake	3662.35*	Max WS	17789.00	5.78	21.47		21.62	0.000388	3.18	6744.52	1234.13	0.19
Hempstead Lake	3625.24*	Max WS	17788.63	5.74	21.47		21.60	0.000358	3.05	7170.56	1272.32	0.18
Hempstead Lake	3588.13*	Max WS	17788.26	5.69	21.47		21.59	0.000344	2.92	7625.71	1310.87	0.17
Hempstead Lake	3551.028	Max WS	17787.88	5.64	21.46		21.58	0.000259	2.83	8107.71	1345.33	0.16
Hempstead Lake	3531.67*	Max WS	17787.65	5.61	21.46		21.57	0.000390	2.87	7854.27	1348.24	0.16
Hempstead Lake	3512.33*	Max WS	17772.09	5.58	21.44		21.57	0.000402	2.97	7581.37	1344.48	0.17
Hempstead Lake	3492.98*	Max WS	17771.96	5.55	21.43		21.56	0.000413	3.07	7302.03	1334.34	0.17
Hempstead Lake	3473.63*	Max WS	17771.73	5.52	21.41		21.55	0.000419	3.17	7032.03	1284.82	0.18

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3454.28*	Max WS	17756.76	5.49	21.39		21.55	0.000425	3.27	6780.37	1270.29	0.19
Hempstead Lake	3434.93*	Max WS	17756.60	5.46	21.37		21.54	0.000417	3.39	6530.03	1258.12	0.20
Hempstead Lake	3415.58*	Max WS	17742.01	5.43	21.35		21.53	0.000417	3.50	6283.40	1246.41	0.20
Hempstead Lake	3396.239	Max WS	17741.93	5.40	21.34		21.53	0.000584	3.58	6046.99	1228.34	0.21
Hempstead Lake	3376.88*	Max WS	17741.76	5.37	21.32		21.52	0.000436	3.64	6013.71	1217.30	0.21
Hempstead Lake	3357.52*	Max WS	17741.53	5.34	21.31		21.51	0.000455	3.66	5991.05	1207.22	0.21
Hempstead Lake	3338.16*	Max WS	17727.85	5.32	21.30		21.50	0.000474	3.68	5966.88	1193.99	0.21
Hempstead Lake	3318.80*	Max WS	17727.81	5.29	21.29		21.49	0.000492	3.70	5946.99	1177.78	0.21
Hempstead Lake	3299.44*	Max WS	17727.72	5.26	21.28		21.48	0.000512	3.72	5926.93	1163.65	0.21
Hempstead Lake	3280.08*	Max WS	17727.60	5.23	21.27		21.47	0.000532	3.74	5910.72	1154.27	0.21
Hempstead Lake	3260.73*	Max WS	17727.43	5.21	21.26		21.46	0.000552	3.77	5892.30	1143.38	0.21
Hempstead Lake	3241.37*	Max WS	17727.23	5.18	21.25		21.45	0.000558	3.79	5875.29	1132.60	0.22
Hempstead Lake	3222.01*	Max WS	17714.88	5.15	21.23		21.44	0.000578	3.81	5860.46	1122.82	0.22
Hempstead Lake	3202.65*	Max WS	17714.83	5.12	21.22		21.43	0.000598	3.84	5845.33	1114.03	0.22
Hempstead Lake	3183.29*	Max WS	17714.72	5.10	21.21		21.42	0.000619	3.86	5830.37	1108.33	0.22
Hempstead Lake	3163.93*	Max WS	17714.57	5.07	21.19		21.41	0.000641	3.89	5813.96	1101.64	0.22
Hempstead Lake	3144.581	Max WS	17714.35	5.04	21.18		21.40	0.000572	3.95	5794.68	1094.23	0.22
Hempstead Lake	3124.73*	Max WS	17702.97	5.01	21.17		21.39	0.000526	3.96	5803.20	1101.33	0.22
Hempstead Lake	3104.89*	Max WS	17702.89	4.98	21.16		21.38	0.000523	3.96	5813.54	1101.84	0.22
Hempstead Lake	3085.04*	Max WS	17702.78	4.95	21.15		21.37	0.000519	3.95	5824.73	1102.15	0.22
Hempstead Lake	3065.2*	Max WS	17702.63	4.92	21.14		21.36	0.000516	3.95	5838.33	1141.49	0.22
Hempstead Lake	3045.35*	Max WS	17702.45	4.88	21.13		21.35	0.000494	3.95	5860.50	1176.25	0.22
Hempstead Lake	3025.51*	Max WS	17702.22	4.85	21.12		21.34	0.000491	3.94	5891.31	1210.04	0.22
Hempstead Lake	3005.66*	Max WS	17691.96	4.82	21.11		21.33	0.000487	3.94	5936.30	1313.18	0.22
Hempstead Lake	2985.81*	Max WS	17691.92	4.79	21.10		21.32	0.000466	3.94	5989.16	1346.46	0.22
Hempstead Lake	2965.974	Max WS	17691.86	4.76	21.09		21.31	0.000527	3.91	6056.50	1374.82	0.22
Hempstead Lake	2951.87*	Max WS	17691.81	4.74	21.09		21.30	0.000584	3.85	6104.75	1378.50	0.21
Hempstead Lake	2937.77*	Max WS	17691.76	4.72	21.09		21.29	0.000575	3.82	6146.56	1382.45	0.21
Hempstead Lake	2923.67*	Max WS	17691.70	4.70	21.08		21.28	0.000567	3.79	6191.58	1385.04	0.21
Hempstead Lake	2909.57*	Max WS	17691.63	4.68	21.07		21.27	0.000557	3.76	6234.16	1388.10	0.21
Hempstead Lake	2895.47*	Max WS	17691.56	4.66	21.07		21.27	0.000549	3.73	6277.88	1389.54	0.21
Hempstead Lake	2881.37*	Max WS	17691.47	4.64	21.06		21.26	0.000539	3.70	6321.12	1392.86	0.21
Hempstead Lake	2867.27*	Max WS	17691.38	4.62	21.06		21.25	0.000532	3.67	6365.91	1396.21	0.20
Hempstead Lake	2853.17*	Max WS	17691.28	4.61	21.05		21.24	0.000523	3.64	6410.34	1401.87	0.20
Hempstead Lake	2839.07*	Max WS	17691.17	4.59	21.05		21.23	0.000515	3.61	6455.79	1408.91	0.20
Hempstead Lake	2824.98*	Max WS	17691.06	4.57	21.04		21.23	0.000507	3.58	6499.75	1415.30	0.20
Hempstead Lake	2810.88*	Max WS	17690.93	4.55	21.04		21.22	0.000498	3.56	6545.71	1420.49	0.20
Hempstead Lake	2796.78*	Max WS	17690.80	4.53	21.03		21.21	0.000492	3.53	6590.76	1426.15	0.20
Hempstead Lake	2782.68*	Max WS	17690.66	4.51	21.03		21.20	0.000483	3.50	6635.71	1429.16	0.20
Hempstead Lake	2768.58*	Max WS	17690.51	4.49	21.02		21.20	0.000475	3.47	6680.72	1431.63	0.19
Hempstead Lake	2754.48*	Max WS	17690.36	4.47	21.02		21.19	0.000466	3.45	6725.38	1435.08	0.19
Hempstead Lake	2740.38*	Max WS	17690.20	4.45	21.01		21.18	0.000459	3.42	6769.62	1439.08	0.19
Hempstead Lake	2726.28*	Max WS	17690.04	4.43	21.01		21.17	0.000451	3.40	6815.22	1438.88	0.19
Hempstead Lake	2712.18*	Max WS	17689.87	4.41	21.01		21.17	0.000444	3.37	6856.99	1440.63	0.19
Hempstead Lake	2698.08*	Max WS	17689.69	4.39	21.00		21.16	0.000437	3.35	6900.88	1456.07	0.19
Hempstead Lake	2683.98*	Max WS	17689.50	4.37	21.00		21.15	0.000430	3.33	6943.31	1457.67	0.19
Hempstead Lake	2669.88*	Max WS	17689.31	4.35	20.99		21.15	0.000422	3.30	6986.51	1457.46	0.18
Hempstead Lake	2655.78*	Max WS	17689.11	4.34	20.99		21.14	0.000417	3.28	7027.78	1510.76	0.18
Hempstead Lake	2641.68*	Max WS	17688.90	4.32	20.98		21.13	0.000412	3.27	7074.21	1530.04	0.18
Hempstead Lake	2627.58*	Max WS	17688.68	4.30	20.98		21.13	0.000403	3.24	7116.07	1496.66	0.18
Hempstead Lake	2613.48*	Max WS	17688.45	4.28	20.97		21.12	0.000394	3.21	7152.27	1457.16	0.18
Hempstead Lake	2599.38*	Max WS	17688.23	4.26	20.97		21.12	0.000386	3.19	7179.64	1413.60	0.18
Hempstead Lake	2585.29*	Max WS	17688.02	4.24	20.97		21.11	0.000380	3.16	7201.60	1370.04	0.18
Hempstead Lake	2571.19*	Max WS	17687.80	4.22	20.96		21.10	0.000372	3.14	7214.53	1326.49	0.18
Hempstead Lake	2557.091	Max WS	17687.61	4.20	20.97		21.09	0.000815	2.96	7233.88	1282.93	0.17
Hempstead Lake	2552.091	Max WS	17687.54	4.09	20.93		21.09	0.001793	3.45	6137.73	1282.93	0.21
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	17683.94	4.09	20.86		21.02	0.001755	3.37	6218.00	1282.93	0.21
Hempstead Lake	2487.091	Max WS	17683.92	4.60	20.90		21.01	0.000703	2.78	7574.58	1282.93	0.15
Hempstead Lake	2477.12*	Max WS	17683.88	4.58	20.88		21.00	0.000322	2.93	7592.89	1295.08	0.16
Hempstead Lake	2467.14*	Max WS	17683.82	4.57	20.88		21.00	0.000327	2.95	7634.43	1307.22	0.16
Hempstead Lake	2457.17*	Max WS	17683.76	4.55	20.87		21.00	0.000333	2.97	7677.99	1319.37	0.16
Hempstead Lake	2447.20*	Max WS	17683.70	4.53	20.87		20.99	0.000338	2.99	7726.20	1331.51	0.16
Hempstead Lake	2437.23*	Max WS	17683.64	4.51	20.87		20.99	0.000537	2.91	7789.55	1343.66	0.16
Hempstead Lake	2427.26*	Max WS	17683.59	4.50	20.87		20.98	0.000532	2.93	7843.08	1355.81	0.16
Hempstead Lake	2417.29*	Max WS	17683.53	4.48	20.86		20.98	0.000526	2.95	7901.38	1367.95	0.16
Hempstead Lake	2407.32*	Max WS	17683.46	4.46	20.85		20.97	0.000355	3.08	7953.55	1370.69	0.16
Hempstead Lake	2397.35*	Max WS	17683.38	4.44	20.84		20.97	0.000357	3.09	8024.69	1360.52	0.16
Hempstead Lake	2387.37*	Max WS	17683.30	4.43	20.84		20.97	0.000358	3.11	8103.81	1366.83	0.17
Hempstead Lake	2377.40*	Max WS	17683.22	4.41	20.84		20.96	0.000359	3.12	8187.52	1373.66	0.17
Hempstead Lake	2367.43*	Max WS	17683.14	4.39	20.83		20.96	0.000361	3.14	8275.03	1380.93	0.17
Hempstead Lake	2357.46*	Max WS	17683.06	4.37	20.83		20.96	0.000361	3.15	8367.42	1388.56	0.17
Hempstead Lake	2347.49*	Max WS	17682.98	4.36	20.83		20.95	0.000359	3.17	8464.60	1396.33	0.17
Hempstead Lake	2337.52*	Max WS	17682.90	4.34	20.83		20.95	0.000358	3.19	8566.35	1404.29	0.17
Hempstead Lake	2327.55*	Max WS	17682.81	4.32	20.82		20.94	0.000352	3.18	8675.57	1380.19	0.17
Hempstead Lake	2317.58*	Max WS	17682.73	4.30	20.82		20.94	0.000349	3.19	8790.41	1386.72	0.17
Hempstead Lake	2307.60*	Max WS	17682.65	4.29	20.82		20.94	0.000345	3.21	8910.65	1393.13	0.17
Hempstead Lake	2297.63*	Max WS	17682.56	4.27	20.82		20.93	0.000340	3.22	9034.64	1399.82	0.17
Hempstead Lake	2287.66*	Max WS	17682.49	4.25	20.81		20.93	0.000335	3.23	9162.24	1406.51	0.17

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2277.69*	Max WS	17682.41	4.23	20.81		20.92	0.000330	3.24	9296.50	1413.32	0.17
Hempstead Lake	2267.72*	Max WS	17682.35	4.22	20.81		20.92	0.000323	3.26	9435.95	1420.20	0.17
Hempstead Lake	2257.752	Max WS	17682.28	4.20	20.83		20.90	0.000494	2.72	9607.63	1427.96	0.14
Hempstead Lake	2252.75*	Max WS	17682.24	4.10	20.81		20.90	0.000428	3.08	9500.03	1415.97	0.16
Hempstead Lake	2247.752	Max WS	17682.21	4.00	20.82		20.89	0.000524	2.93	9416.23	1404.34	0.15
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	17682.21	3.80	20.50		20.77	0.000828	5.62	6979.49	1307.45	0.29
Hempstead Lake	2192.75*	Max WS	17681.67	3.75	20.49		20.76	0.000617	5.51	7423.65	1282.70	0.27
Hempstead Lake	2187.752	Max WS	17681.67	3.70	20.48		20.78	0.000481	5.83	7686.49	1254.07	0.29
Hempstead Lake	2178.63*	Max WS	17681.66	3.72	20.47		20.78	0.000507	5.96	7527.13	1269.26	0.29
Hempstead Lake	2169.52*	Max WS	17681.66	3.74	20.45		20.79	0.000543	6.15	7367.75	1292.14	0.30
Hempstead Lake	2160.40*	Max WS	17681.65	3.76	20.44		20.80	0.000575	6.30	7213.68	1304.71	0.31
Hempstead Lake	2151.29*	Max WS	17681.64	3.78	20.43		20.81	0.000608	6.45	7060.23	1315.87	0.32
Hempstead Lake	2142.17*	Max WS	17681.63	3.80	20.41		20.82	0.000643	6.60	6908.44	1326.77	0.33
Hempstead Lake	2133.05*	Max WS	17681.61	3.82	20.39		20.82	0.000681	6.76	6754.58	1346.23	0.34
Hempstead Lake	2123.94*	Max WS	17681.60	3.83	20.38		20.83	0.000723	6.92	6608.01	1372.13	0.35
Hempstead Lake	2114.82*	Max WS	17681.58	3.85	20.35		20.85	0.000787	7.18	6450.35	1369.23	0.36
Hempstead Lake	2105.71*	Max WS	17681.57	3.87	20.34		20.87	0.000830	7.33	6307.87	1366.19	0.37
Hempstead Lake	2096.59*	Max WS	17681.55	3.89	20.32		20.87	0.000877	7.50	6160.00	1363.43	0.38
Hempstead Lake	2087.48*	Max WS	17681.54	3.91	20.30		20.89	0.000929	7.67	6011.40	1359.89	0.39
Hempstead Lake	2078.36*	Max WS	17681.52	3.93	20.28		20.90	0.000984	7.84	5862.69	1355.61	0.40
Hempstead Lake	2069.25*	Max WS	17681.50	3.95	20.26		20.91	0.001044	8.03	5713.20	1351.45	0.41
Hempstead Lake	2060.13*	Max WS	17681.48	3.97	20.23		20.92	0.001110	8.22	5561.72	1347.32	0.43
Hempstead Lake	2051.01*	Max WS	17681.47	3.99	20.21		20.94	0.001182	8.43	5410.69	1343.52	0.44
Hempstead Lake	2041.90*	Max WS	17681.46	4.01	20.18		20.96	0.001263	8.64	5254.84	1339.52	0.45
Hempstead Lake	2032.78*	Max WS	17681.45	4.03	20.15		20.98	0.001351	8.87	5100.36	1336.39	0.47
Hempstead Lake	2023.67*	Max WS	17681.44	4.05	20.11		21.00	0.001451	9.12	4939.73	1331.20	0.48
Hempstead Lake	2014.55*	Max WS	17680.93	4.07	20.07		21.02	0.001559	9.37	4778.69	1323.67	0.50
Hempstead Lake	2005.44*	Max WS	17680.89	4.08	20.03		21.05	0.001684	9.65	4612.66	1315.79	0.52
Hempstead Lake	1996.32*	Max WS	17680.86	4.10	19.99		21.08	0.001821	9.94	4444.74	1306.38	0.54
Hempstead Lake	1987.20*	Max WS	17680.85	4.12	19.93		21.11	0.001980	10.26	4268.40	1290.67	0.56
Hempstead Lake	1978.09*	Max WS	17679.90	4.14	19.87		21.15	0.002165	10.61	4082.51	1272.41	0.58
Hempstead Lake	1968.97*	Max WS	17679.88	4.16	19.80	18.84	21.20	0.002389	11.01	3886.99	1254.22	0.61
Hempstead Lake	1959.86*	Max WS	17305.41	4.18	19.72	18.97	21.19	0.002549	11.23	3677.52	1235.03	0.63
Hempstead Lake	1950.747	Max WS	16496.80	4.20	19.63	19.02	21.11	0.002592	11.16	3468.43	1213.98	0.63
Hempstead Lake	1945.747	Max WS	17681.78	4.21	20.08		20.88	0.003816	10.19	4396.61	1328.50	0.68
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	16751.19	4.50	18.35		18.55	0.003609	4.25	4824.09	1090.32	0.29
Hempstead Lake	1880.747	Max WS	16751.13	4.45	18.31		18.57	0.000687	4.74	5674.72	1099.32	0.30
Hempstead Lake	1848.83*	Max WS	16765.49	2.70	18.40		18.50	0.000200	2.63	8221.24	1232.74	0.14
Hempstead Lake	1816.92*	Max WS	16764.59	0.95	18.44		18.48	0.000108	1.70	11300.15	1358.63	0.08
Hempstead Lake	1785.01*	Max WS	16764.19	-0.80	18.45		18.48	0.000065	1.21	14944.28	1430.05	0.05
Hempstead Lake	1753.104	Max WS	16774.03	-2.55	18.46		18.47	0.000007	0.92	19294.81	1420.21	0.04
Hempstead Lake	1732.65*	Max WS	16772.99	-2.75	18.46		18.47	0.000042	0.89	19580.18	1463.93	0.04
Hempstead Lake	1712.21*	Max WS	16771.99	-2.95	18.46		18.47	0.000041	0.88	19920.08	1514.24	0.04
Hempstead Lake	1691.76*	Max WS	16771.03	-3.14	18.46		18.47	0.000040	0.87	20305.33	1547.10	0.04
Hempstead Lake	1671.32*	Max WS	16770.12	-3.34	18.46		18.47	0.000039	0.86	20733.16	1575.35	0.04
Hempstead Lake	1650.87*	Max WS	16769.30	-3.54	18.46		18.47	0.000037	0.85	21203.98	1601.90	0.03
Hempstead Lake	1630.434	Max WS	16768.57	-3.74	18.46		18.47	0.000006	0.87	21716.21	1627.59	0.04
Hempstead Lake	1610.36*	Max WS	16767.95	-3.49	18.46		18.47	0.000035	0.86	21083.99	1626.50	0.04
Hempstead Lake	1590.30*	Max WS	16767.45	-3.23	18.46		18.47	0.000034	0.90	20450.61	1624.99	0.04
Hempstead Lake	1570.23*	Max WS	16767.08	-2.98	18.46		18.47	0.000033	0.93	19818.57	1621.62	0.04
Hempstead Lake	1550.17*	Max WS	16766.88	-2.73	18.46		18.47	0.000032	0.97	19188.54	1617.72	0.04
Hempstead Lake	1530.10*	Max WS	16766.03	-2.47	18.45		18.47	0.000031	1.01	18557.80	1612.35	0.04
Hempstead Lake	1510.03*	Max WS	16766.78	-2.22	18.45		18.47	0.000029	1.05	17928.80	1604.72	0.05
Hempstead Lake	1489.97*	Max WS	16765.65	-1.96	18.45		18.47	0.000027	1.10	17302.74	1594.80	0.05
Hempstead Lake	1469.90*	Max WS	16764.68	-1.71	18.45		18.47	0.000025	1.14	16679.66	1581.60	0.05
Hempstead Lake	1449.83*	Max WS	16763.89	-1.46	18.45		18.47	0.000023	1.19	16064.42	1562.75	0.05
Hempstead Lake	1429.77*	Max WS	16763.29	-1.20	18.44		18.47	0.000020	1.24	15454.14	1536.54	0.06
Hempstead Lake	1409.707	Max WS	16762.91	-0.95	18.44		18.47	0.000018	1.28	14854.33	1524.32	0.06
Hempstead Lake	1389.03*	Max WS	17994.65	-0.98	18.43		18.46	0.000021	1.40	14835.85	1519.74	0.06
Hempstead Lake	1368.35*	Max WS	17990.89	-1.00	18.43		18.46	0.000021	1.40	14828.46	1516.61	0.06
Hempstead Lake	1347.67*	Max WS	17989.36	-1.03	18.43		18.46	0.000021	1.40	14819.53	1513.70	0.06
Hempstead Lake	1326.99*	Max WS	17988.02	-1.06	18.43		18.46	0.000021	1.41	14808.72	1528.56	0.06
Hempstead Lake	1306.32*	Max WS	17986.86	-1.08	18.43		18.46	0.000022	1.41	14799.18	1551.24	0.06
Hempstead Lake	1285.64*	Max WS	17985.91	-1.11	18.43		18.46	0.000022	1.41	14792.07	1578.41	0.06
Hempstead Lake	1264.96*	Max WS	17985.21	-1.14	18.43		18.46	0.000022	1.42	14785.94	1604.70	0.06
Hempstead Lake	1244.28*	Max WS	17984.81	-1.16	18.43		18.46	0.000022	1.42	14800.08	1845.12	0.06
Hempstead Lake	1223.61*	Max WS	17971.96	-1.19	18.43		18.46	0.000022	1.42	14832.02	1958.74	0.06
Hempstead Lake	1202.93*	Max WS	17969.18	-1.22	18.43		18.46	0.000022	1.43	14883.07	2012.84	0.06
Hempstead Lake	1182.25*	Max WS	17966.73	-1.24	18.43		18.46	0.000022	1.43	14929.51	1990.37	0.06
Hempstead Lake	1161.57*	Max WS	17964.73	-1.27	18.43		18.46	0.000022	1.43	14972.92	1967.13	0.06
Hempstead Lake	1140.90*	Max WS	17963.21	-1.30	18.43		18.46	0.000022	1.44	15014.50	1941.40	0.06
Hempstead Lake	1120.22*	Max WS	17962.21	-1.32	18.43		18.46	0.000023	1.44	15055.33	1912.60	0.06
Hempstead Lake	1099.54*	Max WS	17961.78	-1.35	18.43		18.46	0.000023	1.44	15091.04	1887.98	0.06
Hempstead Lake	1078.87*	Max WS	17934.63	-1.38	18.43		18.46	0.000023	1.44	15122.31	1864.44	0.06
Hempstead Lake	1058.19*	Max WS	17931.84	-1.40	18.42		18.46	0.000023	1.44	15156.10	1839.71	0.06
Hempstead Lake	1037.515	Max WS	17929.58	-1.43	18.43		18.45	0.000020	1.41	15189.55	1814.41	0.06
Hempstead Lake	1017.08*	Max WS	17935.40	-1.35	18.42		18.45	0.000024	1.43	15160.78	1824.18	0.06

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	996.645*	Max WS	17934.34	-1.28	18.42		18.45	0.000030	1.43	15133.99	1833.18	0.06
Hempstead Lake	976.210*	Max WS	17901.46	-1.20	18.42		18.45	0.000035	1.43	15106.29	1841.02	0.06
Hempstead Lake	955.775*	Max WS	17898.16	-1.13	18.42		18.45	0.000041	1.42	15077.99	1851.89	0.06
Hempstead Lake	935.340*	Max WS	17895.52	-1.05	18.42		18.45	0.000047	1.42	15050.91	1902.91	0.06
Hempstead Lake	914.905*	Max WS	17893.61	-0.98	18.42		18.45	0.000054	1.42	15030.57	1941.89	0.06
Hempstead Lake	894.471*	Max WS	17892.54	-0.90	18.42		18.45	0.000060	1.41	15012.99	1977.86	0.06
Hempstead Lake	874.036*	Max WS	17856.86	-0.83	18.42		18.45	0.000067	1.40	14997.40	1989.06	0.06
Hempstead Lake	853.601*	Max WS	17853.65	-0.75	18.42		18.44	0.000073	1.40	14981.88	1999.01	0.06
Hempstead Lake	833.166*	Max WS	17851.35	-0.68	18.42		18.44	0.000081	1.39	14964.08	2007.72	0.06
Hempstead Lake	812.731*	Max WS	17850.06	-0.60	18.41		18.44	0.000087	1.38	14945.25	2015.33	0.06
Hempstead Lake	792.296*	Max WS	17817.44	-0.53	18.41		18.44	0.000095	1.37	14926.01	2021.36	0.06
Hempstead Lake	771.862	Max WS	17814.06	-0.45	18.41		18.44	0.000019	1.49	14897.11	2026.37	0.06
Hempstead Lake	750.331*	Max WS	17814.93	-0.53	18.41		18.44	0.000100	1.41	14603.64	2047.46	0.06
Hempstead Lake	728.8*	Max WS	17813.60	-0.61	18.40		18.43	0.000100	1.47	14303.93	2069.00	0.06
Hempstead Lake	707.269*	Max WS	17784.62	-0.69	18.40		18.43	0.000097	1.52	14009.31	2090.33	0.07
Hempstead Lake	685.738*	Max WS	17780.72	-0.77	18.40		18.43	0.000093	1.57	13717.58	2111.33	0.07
Hempstead Lake	664.207*	Max WS	17778.01	-0.85	18.39		18.43	0.000088	1.62	13429.77	2132.24	0.07
Hempstead Lake	642.676*	Max WS	17776.80	-0.93	18.39		18.43	0.000085	1.67	13148.30	2153.08	0.07
Hempstead Lake	621.145*	Max WS	17748.23	-1.02	18.38		18.42	0.000078	1.72	12868.87	2174.11	0.08
Hempstead Lake	599.614*	Max WS	17743.24	-1.10	18.38		18.42	0.000070	1.76	12594.88	2194.87	0.08
Hempstead Lake	578.083*	Max WS	17739.62	-1.18	18.37		18.42	0.000061	1.81	12325.91	2215.62	0.08
Hempstead Lake	556.552*	Max WS	17737.78	-1.26	18.37		18.42	0.000055	1.84	12061.84	2236.43	0.08
Hempstead Lake	535.021*	Max WS	17705.05	-1.34	18.37		18.42	0.000046	1.87	11802.50	2258.22	0.08
Hempstead Lake	513.490	Max WS	17697.90	-1.42	18.37		18.42	0.000037	1.88	11551.60	2279.98	0.09
Hempstead Lake	493.038*	Max WS	18015.20	-1.03	18.36		18.42	0.000084	2.05	10785.27	2182.62	0.09
Hempstead Lake	472.587*	Max WS	18007.63	-0.65	18.35		18.42	0.000109	2.19	10044.68	2085.78	0.10
Hempstead Lake	452.136*	Max WS	18004.78	-0.26	18.34		18.42	0.000142	2.35	9324.20	1984.86	0.11
Hempstead Lake	431.685*	Max WS	18003.72	0.12	18.32		18.42	0.000185	2.53	8628.68	1885.50	0.13
Hempstead Lake	411.234*	Max WS	17994.20	0.51	18.31		18.42	0.000236	2.73	7956.12	1772.64	0.14
Hempstead Lake	390.783*	Max WS	17990.76	0.90	18.29		18.42	0.000310	2.97	7304.45	1668.23	0.16
Hempstead Lake	370.332*	Max WS	17963.99	1.28	18.26		18.42	0.000407	3.24	6672.48	1573.53	0.18
Hempstead Lake	349.881*	Max WS	17946.68	1.67	18.22		18.41	0.000540	3.56	6049.81	1485.06	0.20
Hempstead Lake	329.430*	Max WS	17061.92	2.05	18.18		18.39	0.000656	3.75	5447.78	1401.08	0.22
Hempstead Lake	308.979*	Max WS	17039.04	2.44	18.13		18.39	0.000881	4.20	4844.08	1319.60	0.26
Hempstead Lake	288.528*	Max WS	16947.96	2.83	18.06		18.39	0.001182	4.74	4253.20	1240.71	0.30
Hempstead Lake	268.077*	Max WS	16691.34	3.21	17.96		18.40	0.001573	5.38	3664.51	1163.10	0.37
Hempstead Lake	247.626*	Max WS	16340.42	3.60	17.82		18.42	0.002124	6.25	3052.59	1086.50	0.45
Hempstead Lake	227.175*	Max WS	15896.68	3.98	17.66		18.50	0.002738	7.42	2456.49	1011.53	0.59
Hempstead Lake	206.724	Max WS	16463.04	4.37	17.50	14.54	18.96	0.002425	9.73	1904.68	938.33	0.85
Hempstead Lake	201.724	Max WS	16125.36	4.37	17.69	13.31	18.74	0.001597	8.26	2255.33	941.84	0.67
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	20868.08	1.00	17.35		18.51	0.001123	9.22	2459.06	908.99	0.75
Hempstead Lake	166.724	Max WS	19849.02	1.00	17.43	10.43	18.43	0.000996	8.62	2531.15	918.17	0.69

PR 1/2 PMF OVERTOP BREACH 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	40.88	40.84	0.04	0.00		340.44	5727.01	4254.63	734.80
Hempstead Lake	15523.7*	Max WS	40.88	40.84	0.04	0.01		768.14	5556.48	3997.42	729.82
Hempstead Lake	15503.5*	Max WS	40.87	40.83	0.04	0.01		735.76	5630.71	3955.51	722.10
Hempstead Lake	15483.3*	Max WS	40.87	40.83	0.04	0.00		691.16	5682.71	3933.48	711.46
Hempstead Lake	15463.0*	Max WS	40.86	40.82	0.04	0.00		649.79	5729.96	3927.55	700.73
Hempstead Lake	15442.8*	Max WS	40.86	40.82	0.04	0.00		620.78	5778.61	3893.38	696.08
Hempstead Lake	15422.5*	Max WS	40.86	40.82	0.04	0.00		586.96	5853.77	3852.01	696.60
Hempstead Lake	15402.3*	Max WS	40.85	40.81	0.04	0.00		553.56	5928.31	3810.83	698.28
Hempstead Lake	15382.1*	Max WS	40.85	40.81	0.04	0.00		530.62	5982.34	3765.39	699.62
Hempstead Lake	15361.8*	Max WS	40.85	40.81	0.04	0.00		499.57	6043.82	3734.93	700.70
Hempstead Lake	15341.6*	Max WS	40.84	40.80	0.04	0.00		478.19	6092.89	3707.20	701.36
Hempstead Lake	15321.4*	Max WS	40.84	40.80	0.04	0.00		447.79	6141.07	3689.37	701.57
Hempstead Lake	15301.1*	Max WS	40.84	40.80	0.04	0.00		416.78	6171.77	3675.56	701.32
Hempstead Lake	15280.9*	Max WS	40.84	40.80	0.04	0.00		396.43	6197.96	3669.68	700.54
Hempstead Lake	15260.7*	Max WS	40.84	40.80	0.04	0.00		367.12	6219.62	3677.29	699.12
Hempstead Lake	15240.4*	Max WS	40.84	40.79	0.04	0.00		337.77	6231.69	3694.52	696.91
Hempstead Lake	15220.2*	Max WS	40.84	40.79	0.04	0.00		317.67	6225.66	3720.58	693.69
Hempstead Lake	15200.02	Max WS	40.83	40.79	0.04	0.00		288.32	6212.58	3762.95	689.55
Hempstead Lake	15180.7*	Max WS	40.83	40.80	0.04	0.00		324.59	6554.48	3384.70	722.50
Hempstead Lake	15161.4*	Max WS	40.83	40.80	0.03	0.00		358.56	6837.16	3068.00	753.25
Hempstead Lake	15142.1*	Max WS	40.83	40.80	0.03	0.00		389.83	7071.14	2802.72	781.70
Hempstead Lake	15122.8*	Max WS	40.83	40.80	0.03	0.00		417.91	7276.54	2582.79	808.10
Hempstead Lake	15103.5*	Max WS	40.83	40.80	0.02	0.00		442.38	7437.19	2397.60	831.39
Hempstead Lake	15084.2*	Max WS	40.83	40.81	0.02	0.00		473.01	7569.93	2234.17	853.60
Hempstead Lake	15064.9*	Max WS	40.83	40.81	0.02	0.00		493.62	7691.00	2092.43	875.05
Hempstead Lake	15045.6*	Max WS	40.83	40.81	0.02	0.00		511.22	7800.24	1965.53	896.68
Hempstead Lake	15026.4*	Max WS	40.82	40.81	0.02	0.00		528.54	7896.50	1851.90	917.61
Hempstead Lake	15007.1*	Max WS	40.82	40.81	0.01	0.00		544.19	7982.87	1749.82	938.32
Hempstead Lake	14987.82	Max WS	40.82	40.81	0.01	0.00		231.46	8332.62	1712.76	958.87
Hempstead Lake	14966.6*	Max WS	40.82	40.81	0.01	0.00		336.04	8467.56	1525.41	977.58
Hempstead Lake	14945.4*	Max WS	40.82	40.81	0.01	0.00		294.64	8666.80	1367.52	995.58
Hempstead Lake	14924.3*	Max WS	40.82	40.81	0.01	0.00		254.83	8850.70	1223.37	1012.96
Hempstead Lake	14903.1*	Max WS	40.82	40.81	0.01	0.00		221.48	9016.80	1090.56	1029.89
Hempstead Lake	14882.*	Max WS	40.82	40.81	0.01	0.00		190.75	9168.52	969.49	1046.70
Hempstead Lake	14860.8*	Max WS	40.82	40.81	0.01	0.00		162.03	9307.68	858.99	1062.80
Hempstead Lake	14839.6*	Max WS	40.82	40.81	0.01	0.00		134.97	9434.70	758.94	1078.37
Hempstead Lake	14818.5*	Max WS	40.82	40.81	0.01	0.00		111.56	9549.82	667.13	1215.74
Hempstead Lake	14797.35	Max WS	40.81	40.81	0.01	0.00		45.94	10039.17	243.29	1394.36
Hempstead Lake	14777.4*	Max WS	40.81	40.81	0.01	0.00		103.00	9683.24	542.05	1374.53
Hempstead Lake	14757.4*	Max WS	40.81	40.81	0.01	0.00		105.85	9710.70	511.63	1277.03
Hempstead Lake	14737.5*	Max WS	40.81	40.81	0.01	0.00		107.44	9745.07	475.57	1225.89
Hempstead Lake	14717.5*	Max WS	40.81	40.81	0.01	0.00		114.36	9765.53	448.08	1164.79
Hempstead Lake	14697.6*	Max WS	40.81	40.81	0.01	0.00		120.37	9785.44	422.07	1180.11
Hempstead Lake	14677.6*	Max WS	40.81	40.81	0.01	0.00		125.72	9805.10	396.96	1195.98
Hempstead Lake	14657.7*	Max WS	40.81	40.81	0.01	0.00		128.32	9831.38	367.98	1212.50
Hempstead Lake	14637.7*	Max WS	40.81	40.81	0.01	0.00		135.79	9834.94	345.53	1235.75
Hempstead Lake	14617.8*	Max WS	40.81	40.81	0.01	0.00		138.31	9852.89	325.04	1258.51
Hempstead Lake	14597.8*	Max WS	40.81	40.81	0.01	0.00		143.90	9866.18	306.14	1293.06
Hempstead Lake	14577.9*	Max WS	40.81	40.81	0.01	0.00		146.09	9898.52	282.61	1388.19
Hempstead Lake	14557.9*	Max WS	40.81	40.81	0.01	0.00		149.96	9900.82	265.42	1439.14
Hempstead Lake	14538.0*	Max WS	40.81	40.81	0.01	0.00		153.50	9912.40	250.28	1500.52
Hempstead Lake	14518.0*	Max WS	40.81	40.81	0.01	0.00		153.37	9941.31	232.15	1546.55
Hempstead Lake	14498.1*	Max WS	40.81	40.81	0.01	0.00		151.07	9962.93	212.67	1616.21
Hempstead Lake	14478.1*	Max WS	40.81	40.81	0.00	0.00		152.36	9951.94	211.84	1663.47
Hempstead Lake	14458.2*	Max WS	40.81	40.81	0.00	0.00		153.96	9959.99	212.41	1721.24
Hempstead Lake	14438.2*	Max WS	40.81	40.81	0.00	0.00		151.29	9968.61	206.30	1740.83
Hempstead Lake	14418.3*	Max WS	40.81	40.81	0.00	0.00		152.03	9959.56	204.50	1758.53
Hempstead Lake	14398.37	Max WS	40.81	40.81	0.00	0.00		61.39	10060.40	204.08	1774.25
Hempstead Lake	14378.3*	Max WS	40.81	40.81	0.00	0.00		67.34	10034.10	214.61	1752.69
Hempstead Lake	14358.3*	Max WS	40.81	40.81	0.00	0.00		73.18	10017.02	225.82	1731.36
Hempstead Lake	14338.2*	Max WS	40.81	40.81	0.00	0.00		79.15	9999.29	237.55	1710.23
Hempstead Lake	14318.2*	Max WS	40.81	40.81	0.01	0.00		84.95	9981.16	249.85	1689.72
Hempstead Lake	14298.2*	Max WS	40.81	40.81	0.01	0.00		90.50	9962.51	262.90	1669.65
Hempstead Lake	14278.1*	Max WS	40.81	40.81	0.01	0.00		95.99	9943.16	276.73	1650.11
Hempstead Lake	14258.1*	Max WS	40.81	40.81	0.01	0.00		101.27	9923.39	291.21	1631.02
Hempstead Lake	14238.1*	Max WS	40.81	40.81	0.01	0.00		106.21	9903.08	306.55	1612.91
Hempstead Lake	14218.0*	Max WS	40.81	40.81	0.01	0.00		110.73	9882.28	322.78	1595.73
Hempstead Lake	14198.0*	Max WS	40.81	40.81	0.01	0.00		114.87	9860.65	340.23	1579.69
Hempstead Lake	14178.0*	Max WS	40.81	40.80	0.01	0.00		118.53	9838.52	358.65	1565.01
Hempstead Lake	14157.9*	Max WS	40.81	40.80	0.01	0.00		121.63	9815.06	378.96	1551.34
Hempstead Lake	14137.9*	Max WS	40.81	40.80	0.01	0.00		124.27	9788.34	402.99	1587.06
Hempstead Lake	14117.9*	Max WS	40.81	40.80	0.01	0.00		127.26	9759.22	429.08	1619.88

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	40.81	40.80	0.01	0.00		130.74	9727.49	457.26	1622.10
Hempstead Lake	14077.8*	Max WS	40.81	40.80	0.01	0.00		134.31	9694.36	486.76	1619.92
Hempstead Lake	14057.8*	Max WS	40.81	40.80	0.01	0.00		137.69	9656.42	521.27	1609.61
Hempstead Lake	14037.7*	Max WS	40.81	40.80	0.01	0.00		139.86	9615.95	559.50	1602.03
Hempstead Lake	14017.75	Max WS	40.81	40.80	0.01	0.00		139.76	9576.80	598.68	1601.20
Hempstead Lake	13998.2*	Max WS	40.81	40.80	0.01	0.00		242.10	9436.58	636.51	1594.05
Hempstead Lake	13978.6*	Max WS	40.81	40.80	0.01	0.00		235.27	9503.92	575.94	1586.31
Hempstead Lake	13959.1*	Max WS	40.81	40.80	0.01	0.00		223.37	9573.53	518.16	1579.05
Hempstead Lake	13939.6*	Max WS	40.81	40.80	0.01	0.00		213.10	9631.60	470.30	1567.33
Hempstead Lake	13920.0*	Max WS	40.81	40.80	0.01	0.00		201.94	9688.41	424.58	1556.30
Hempstead Lake	13900.5*	Max WS	40.81	40.80	0.01	0.00		192.43	9736.94	385.51	1545.40
Hempstead Lake	13881.*	Max WS	40.81	40.80	0.01	0.00		183.08	9780.55	351.20	1533.59
Hempstead Lake	13861.4*	Max WS	40.81	40.80	0.01	0.00		176.14	9818.33	320.27	1519.92
Hempstead Lake	13841.9*	Max WS	40.81	40.80	0.01	0.00		167.26	9853.44	293.98	1507.91
Hempstead Lake	13822.3*	Max WS	40.81	40.80	0.01	0.00		157.56	9889.18	267.88	1497.77
Hempstead Lake	13802.8*	Max WS	40.81	40.80	0.01	0.00		149.38	9919.56	245.64	1489.50
Hempstead Lake	13783.3*	Max WS	40.81	40.80	0.01	0.00		140.45	9950.99	223.09	1482.30
Hempstead Lake	13763.7*	Max WS	40.81	40.80	0.01	0.00		132.83	9977.77	203.88	1476.35
Hempstead Lake	13744.2*	Max WS	40.81	40.80	0.01	0.00		126.55	10003.71	184.16	1471.67
Hempstead Lake	13724.7*	Max WS	40.81	40.80	0.01	0.00		119.52	10027.41	167.44	1467.43
Hempstead Lake	13705.1*	Max WS	40.81	40.80	0.01	0.00		111.30	10053.15	149.88	1463.98
Hempstead Lake	13685.63	Max WS	40.81	40.80	0.00	0.00		104.77	10074.31	135.19	1461.27
Hempstead Lake	13666.4*	Max WS	40.81	40.80	0.00	0.00		103.91	10065.94	144.36	1474.72
Hempstead Lake	13647.1*	Max WS	40.81	40.80	0.00	0.00		108.10	10056.04	150.02	1471.92
Hempstead Lake	13627.9*	Max WS	40.81	40.80	0.00	0.00		112.48	10043.54	158.08	1468.92
Hempstead Lake	13608.7*	Max WS	40.81	40.80	0.00	0.00		117.57	10032.27	164.21	1465.89
Hempstead Lake	13589.5*	Max WS	40.81	40.80	0.00	0.00		123.14	10020.24	170.61	1462.93
Hempstead Lake	13570.2*	Max WS	40.81	40.80	0.00	0.00		129.04	10007.94	176.96	1460.02
Hempstead Lake	13551.0*	Max WS	40.81	40.80	0.00	0.00		135.95	9992.06	185.88	1457.21
Hempstead Lake	13531.8*	Max WS	40.81	40.80	0.00	0.00		142.83	9978.46	192.53	1454.17
Hempstead Lake	13512.6*	Max WS	40.81	40.80	0.00	0.00		150.11	9964.59	199.07	1451.08
Hempstead Lake	13493.3*	Max WS	40.81	40.80	0.00	0.00		157.88	9950.23	205.63	1448.33
Hempstead Lake	13474.1*	Max WS	40.81	40.80	0.00	0.00		166.04	9935.67	211.97	1445.89
Hempstead Lake	13454.9*	Max WS	40.81	40.80	0.00	0.00		176.09	9916.43	221.10	1443.75
Hempstead Lake	13435.72	Max WS	40.81	40.80	0.00	0.00		157.18	9643.65	512.74	1441.82
Hempstead Lake	13419.3*	Max WS	40.81	40.80	0.00	0.00		168.91	9938.00	206.60	1445.86
Hempstead Lake	13403.0*	Max WS	40.81	40.80	0.00	0.00		174.11	9947.61	191.73	1449.88
Hempstead Lake	13386.6*	Max WS	40.81	40.80	0.00	0.00		179.38	9956.92	177.10	1453.91
Hempstead Lake	13370.3*	Max WS	40.81	40.80	0.00	0.00		181.99	9970.67	160.68	1457.87
Hempstead Lake	13354.*	Max WS	40.81	40.80	0.00	0.00		187.20	9978.97	147.13	1461.80
Hempstead Lake	13337.6*	Max WS	40.81	40.80	0.00	0.00		192.26	9986.71	134.28	1465.73
Hempstead Lake	13321.3*	Max WS	40.81	40.80	0.00	0.00		197.30	9994.10	121.80	1469.56
Hempstead Lake	13304.9*	Max WS	40.81	40.80	0.00	0.00		202.16	10001.06	109.93	1473.41
Hempstead Lake	13288.6*	Max WS	40.81	40.80	0.00	0.00		207.07	10007.39	98.63	1477.23
Hempstead Lake	13272.29	Max WS	40.81	40.80	0.00	0.00		190.65	10047.92	74.47	1481.00
Hempstead Lake	13255.0*	Max WS	40.81	40.80	0.00	0.00		191.73	10043.20	78.04	1482.47
Hempstead Lake	13237.8*	Max WS	40.81	40.80	0.00	0.00		194.88	10036.81	81.22	1483.85
Hempstead Lake	13220.5*	Max WS	40.81	40.80	0.00	0.00		197.86	10030.76	84.23	1485.13
Hempstead Lake	13203.3*	Max WS	40.81	40.80	0.00	0.00		197.27	10029.94	85.57	1486.29
Hempstead Lake	13186.0*	Max WS	40.81	40.80	0.00	0.00		199.85	10024.47	88.41	1487.34
Hempstead Lake	13168.8*	Max WS	40.81	40.80	0.00	0.00		202.29	10019.26	91.10	1488.18
Hempstead Lake	13151.6*	Max WS	40.81	40.80	0.00	0.00		207.06	10010.71	94.81	1488.92
Hempstead Lake	13134.3*	Max WS	40.81	40.80	0.00	0.00		209.02	10006.16	97.34	1489.48
Hempstead Lake	13117.1*	Max WS	40.81	40.80	0.00	0.00		210.84	10001.88	99.72	1489.88
Hempstead Lake	13099.8*	Max WS	40.81	40.80	0.00	0.00		209.45	10002.44	100.50	1490.25
Hempstead Lake	13082.6*	Max WS	40.81	40.80	0.00	0.00		210.83	9998.92	102.58	1490.46
Hempstead Lake	13065.3*	Max WS	40.81	40.80	0.00	0.00		211.97	9995.73	104.56	1490.51
Hempstead Lake	13048.1*	Max WS	40.81	40.80	0.00	0.00		212.77	9992.95	106.47	1490.32
Hempstead Lake	13030.9*	Max WS	40.81	40.80	0.00	0.00		213.46	9990.50	108.16	1489.97
Hempstead Lake	13013.6*	Max WS	40.81	40.80	0.00	0.00		213.98	9988.05	110.02	1489.41
Hempstead Lake	12996.4*	Max WS	40.81	40.80	0.00	0.00		212.14	9989.23	110.62	1488.44
Hempstead Lake	12979.1*	Max WS	40.81	40.80	0.00	0.00		212.56	9986.86	112.50	1487.06
Hempstead Lake	12961.9*	Max WS	40.81	40.80	0.00	0.00		212.90	9984.44	114.52	1485.52
Hempstead Lake	12944.7*	Max WS	40.81	40.80	0.00	0.00		216.09	9977.53	118.17	1483.55
Hempstead Lake	12927.4*	Max WS	40.81	40.80	0.00	0.00		216.03	9975.51	120.19	1481.26
Hempstead Lake	12910.2*	Max WS	40.81	40.80	0.00	0.00		215.78	9973.38	122.47	1478.70
Hempstead Lake	12892.97	Max WS	40.81	40.80	0.00	0.00		160.87	9995.00	155.72	1475.75
Hempstead Lake	12881.0*	Max WS	40.81	40.80	0.01	0.00		200.30	11868.62	117.50	1472.71
Hempstead Lake	12869.1*	Max WS	40.81	40.80	0.01	0.00		199.97	11867.46	118.90	1469.20
Hempstead Lake	12857.1*	Max WS	40.81	40.80	0.01	0.00		199.44	11866.21	120.59	1465.42
Hempstead Lake	12845.2*	Max WS	40.81	40.80	0.01	0.00		199.03	11864.82	122.30	1461.60
Hempstead Lake	12833.3*	Max WS	40.81	40.80	0.01	0.00		198.57	11863.48	124.02	1457.61

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	40.81	40.80	0.01	0.00		198.25	11861.72	126.00	1453.48
Hempstead Lake	12809.4*	Max WS	40.81	40.80	0.01	0.00		197.84	11859.80	128.25	1449.07
Hempstead Lake	12797.5*	Max WS	40.81	40.80	0.01	0.00		197.34	11857.81	130.64	1444.58
Hempstead Lake	12785.6*	Max WS	40.81	40.80	0.01	0.00		196.78	11855.76	133.17	1439.72
Hempstead Lake	12773.7*	Max WS	40.81	40.80	0.01	0.00		196.31	11853.58	135.74	1435.34
Hempstead Lake	12761.7*	Max WS	40.81	40.80	0.01	0.00		195.78	11851.56	138.20	1431.56
Hempstead Lake	12749.8*	Max WS	40.81	40.80	0.01	0.00		195.34	11849.22	140.90	1427.68
Hempstead Lake	12737.9*	Max WS	40.81	40.80	0.01	0.00		194.88	11846.85	143.65	1423.86
Hempstead Lake	12726.0*	Max WS	40.81	40.80	0.01	0.00		194.32	11844.71	146.26	1420.25
Hempstead Lake	12714.0*	Max WS	40.81	40.80	0.01	0.00		193.70	11842.71	148.79	1417.15
Hempstead Lake	12702.1*	Max WS	40.81	40.80	0.01	0.00		193.18	11840.50	151.44	1413.97
Hempstead Lake	12690.2*	Max WS	40.81	40.80	0.01	0.00		192.54	11838.89	153.60	1411.68
Hempstead Lake	12678.3*	Max WS	40.81	40.80	0.01	0.00		192.18	11836.73	156.03	1409.54
Hempstead Lake	12666.3*	Max WS	40.81	40.80	0.01	0.00		191.55	11835.11	158.19	1407.33
Hempstead Lake	12654.4*	Max WS	40.80	40.80	0.01	0.00		190.95	11833.39	160.41	1405.15
Hempstead Lake	12642.5*	Max WS	40.80	40.80	0.01	0.00		190.36	11829.68	162.64	1403.07
Hempstead Lake	12630.6*	Max WS	40.80	40.80	0.01	0.00		189.79	11829.96	164.84	1400.93
Hempstead Lake	12618.6*	Max WS	40.80	40.80	0.01	0.00		189.26	11827.94	167.30	1398.83
Hempstead Lake	12606.7*	Max WS	40.80	40.80	0.01	0.00		188.59	11824.68	169.41	1396.78
Hempstead Lake	12594.8*	Max WS	40.80	40.80	0.01	0.00		187.99	11824.50	171.81	1394.72
Hempstead Lake	12582.9*	Max WS	40.80	40.80	0.01	0.00		187.35	11821.38	173.95	1392.64
Hempstead Lake	12570.9*	Max WS	40.80	40.80	0.01	0.00		186.61	11819.86	176.21	1390.64
Hempstead Lake	12559.0*	Max WS	40.80	40.80	0.01	0.00		186.03	11819.36	178.63	1388.61
Hempstead Lake	12547.1*	Max WS	40.80	40.80	0.01	0.00		185.53	11817.56	180.83	1386.58
Hempstead Lake	12535.2*	Max WS	40.80	40.80	0.01	0.00		184.75	11815.95	183.13	1384.63
Hempstead Lake	12523.27	Max WS	40.80	40.80	0.01	0.00		184.28	11822.52	176.94	1382.62
Hempstead Lake	12515.8*	Max WS	40.80	40.80	0.01	0.00		287.70	12434.85	182.26	1369.15
Hempstead Lake	12508.3*	Max WS	40.80	40.80	0.01	0.00		307.40	12420.65	176.76	1355.64
Hempstead Lake	12500.9*	Max WS	40.80	40.80	0.01	0.00		322.57	12413.09	170.61	1342.10
Hempstead Lake	12493.4*	Max WS	40.80	40.80	0.01	0.00		337.45	12405.36	163.41	1328.46
Hempstead Lake	12486.0*	Max WS	40.80	40.80	0.01	0.00		356.52	12392.77	155.51	1314.70
Hempstead Lake	12478.5*	Max WS	40.80	40.80	0.01	0.00		370.67	12387.34	146.79	1300.90
Hempstead Lake	12471.1*	Max WS	40.80	40.80	0.01	0.00		383.85	12383.19	137.75	1287.01
Hempstead Lake	12463.7*	Max WS	40.80	40.80	0.01	0.00		402.48	12375.27	128.26	1272.92
Hempstead Lake	12456.2*	Max WS	40.80	40.80	0.01	0.00		414.85	12371.16	118.77	1258.50
Hempstead Lake	12448.8*	Max WS	40.80	40.80	0.01	0.00		426.37	12370.46	109.08	1243.78
Hempstead Lake	12441.3*	Max WS	40.80	40.80	0.01	0.00		444.04	12362.81	99.01	1229.75
Hempstead Lake	12433.9*	Max WS	40.80	40.80	0.01	0.00		462.01	12352.48	90.27	1215.69
Hempstead Lake	12426.4*	Max WS	40.80	40.80	0.01	0.00		471.53	12353.16	80.06	1201.56
Hempstead Lake	12419.0*	Max WS	40.80	40.79	0.01	0.00		487.42	12347.25	70.08	1186.87
Hempstead Lake	12411.5*	Max WS	40.80	40.79	0.01	0.00		495.54	12349.49	60.64	1172.12
Hempstead Lake	12404.1*	Max WS	40.80	40.79	0.01	0.00		502.63	12350.43	51.68	1157.18
Hempstead Lake	12396.6*	Max WS	40.80	40.79	0.01	0.00		508.58	12352.99	43.16	1141.93
Hempstead Lake	12389.2*	Max WS	40.80	40.79	0.01	0.00		522.12	12348.15	35.27	1126.48
Hempstead Lake	12381.8*	Max WS	40.80	40.79	0.01	0.00		532.39	12343.66	28.67	1110.20
Hempstead Lake	12374.3*	Max WS	40.80	40.79	0.01	0.00		534.51	12347.85	22.34	1093.75
Hempstead Lake	12366.9*	Max WS	40.80	40.79	0.01	0.00		544.67	12343.24	16.79	1076.88
Hempstead Lake	12359.46	Max WS	40.80	40.79	0.01	0.00		244.22	12655.00	5.46	1059.80
Hempstead Lake	12350.7*	Max WS	40.80	40.79	0.01	0.00		573.43	12814.05	13.55	1046.72
Hempstead Lake	12342.0*	Max WS	40.80	40.79	0.01	0.00		580.81	12805.69	14.53	1033.72
Hempstead Lake	12333.3*	Max WS	40.80	40.79	0.01	0.00		587.61	12797.88	15.52	1020.57
Hempstead Lake	12324.7*	Max WS	40.80	40.79	0.01	0.00		585.53	12798.99	16.48	1007.38
Hempstead Lake	12316.0*	Max WS	40.80	40.79	0.01	0.00		592.78	12790.63	17.58	994.29
Hempstead Lake	12307.3*	Max WS	40.80	40.79	0.01	0.00		599.76	12782.53	18.69	981.03
Hempstead Lake	12298.6*	Max WS	40.80	40.79	0.01	0.00		606.57	12774.55	19.84	967.75
Hempstead Lake	12289.9*	Max WS	40.80	40.79	0.01	0.00		607.28	12772.78	20.88	954.57
Hempstead Lake	12281.2*	Max WS	40.80	40.79	0.01	0.00		613.78	12765.06	22.08	941.28
Hempstead Lake	12272.5*	Max WS	40.80	40.78	0.01	0.00		611.46	12766.11	23.34	927.99
Hempstead Lake	12263.8*	Max WS	40.80	40.78	0.01	0.00		617.56	12758.75	24.59	914.77
Hempstead Lake	12255.1*	Max WS	40.80	40.78	0.01	0.00		623.32	12751.64	25.92	901.45
Hempstead Lake	12246.4*	Max WS	40.80	40.78	0.02	0.00		629.08	12744.52	27.27	888.12
Hempstead Lake	12237.7*	Max WS	40.80	40.78	0.02	0.00		633.95	12738.15	28.75	874.79
Hempstead Lake	12229.1*	Max WS	40.80	40.78	0.02	0.00		639.27	12731.39	30.18	861.43
Hempstead Lake	12220.4*	Max WS	40.80	40.78	0.02	0.00		636.02	12733.12	31.68	847.97
Hempstead Lake	12211.7*	Max WS	40.80	40.78	0.02	0.00		640.76	12726.73	33.31	834.62
Hempstead Lake	12203.0*	Max WS	40.79	40.78	0.02	0.00		644.92	12720.98	34.88	821.11
Hempstead Lake	12194.3*	Max WS	40.79	40.77	0.02	0.00		648.48	12715.90	36.37	807.69
Hempstead Lake	12185.6*	Max WS	40.79	40.77	0.02	0.00		651.88	12710.61	38.26	793.88
Hempstead Lake	12176.9*	Max WS	40.79	40.77	0.02	0.00		655.26	12705.44	40.03	780.11
Hempstead Lake	12168.2*	Max WS	40.79	40.77	0.02	0.00		644.46	12715.79	40.45	768.63
Hempstead Lake	12159.5*	Max WS	40.79	40.77	0.02	0.00		646.66	12712.30	41.73	756.52
Hempstead Lake	12150.8*	Max WS	40.79	40.77	0.02	0.00		648.20	12709.39	43.07	744.25

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	40.79	40.77	0.03	0.00		594.86	12765.02	40.77	731.86
Hempstead Lake	12133.5*	Max WS	40.79	40.76	0.03	0.00		591.77	12766.88	41.98	719.44
Hempstead Lake	12124.8*	Max WS	40.79	40.76	0.03	0.00		587.90	12769.48	43.23	706.77
Hempstead Lake	12116.1*	Max WS	40.79	40.76	0.03	0.00		577.67	12778.34	44.58	693.88
Hempstead Lake	12107.4*	Max WS	40.79	40.76	0.03	0.00		571.98	12782.55	46.04	680.94
Hempstead Lake	12098.7*	Max WS	40.79	40.76	0.03	0.00		565.63	12787.49	47.43	667.75
Hempstead Lake	12090.0*	Max WS	40.79	40.75	0.04	0.00		558.82	12792.81	48.90	654.42
Hempstead Lake	12081.3*	Max WS	40.79	40.75	0.04	0.00		551.15	12798.92	50.45	641.09
Hempstead Lake	12072.6*	Max WS	40.79	40.75	0.04	0.00		542.64	12806.04	51.82	627.48
Hempstead Lake	12063.9*	Max WS	40.79	40.75	0.04	0.00		528.21	12818.99	53.29	613.88
Hempstead Lake	12055.2*	Max WS	40.79	40.74	0.04	0.00		506.25	12840.59	53.61	600.01
Hempstead Lake	12046.5*	Max WS	40.79	40.74	0.05	0.00		495.13	12850.33	54.98	585.99
Hempstead Lake	12037.9*	Max WS	40.79	40.74	0.05	0.00		483.03	12861.20	56.19	572.09
Hempstead Lake	12029.2*	Max WS	40.79	40.73	0.05	0.00		469.87	12873.16	57.38	558.05
Hempstead Lake	12020.5*	Max WS	40.79	40.73	0.06	0.00		455.89	12886.10	58.39	544.06
Hempstead Lake	12011.8*	Max WS	40.79	40.73	0.06	0.00		436.98	12904.07	59.31	529.76
Hempstead Lake	12003.1*	Max WS	40.78	40.72	0.06	0.00		421.35	12918.68	60.31	515.31
Hempstead Lake	11994.45	Max WS	40.78	40.72	0.07	0.00		394.74	12934.12	71.46	500.87
Hempstead Lake	11989.45	Max WS	40.78	40.70	0.08			426.64	13395.12	74.59	499.83
Hempstead Lake	11979.45		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.73	40.65	0.08	0.00		563.86	13208.14	124.34	495.93
Hempstead Lake	11964.45	Max WS	40.73	40.65	0.09	0.00		617.38	13126.76	152.19	495.60
Hempstead Lake	11954.6*	Max WS	40.73	40.64	0.09	0.00		367.35	13414.11	114.86	504.33
Hempstead Lake	11944.8*	Max WS	40.73	40.63	0.10	0.00		380.70	13387.23	128.39	514.79
Hempstead Lake	11934.9*	Max WS	40.73	40.63	0.10	0.00		392.13	13359.27	144.91	525.73
Hempstead Lake	11925.1*	Max WS	40.73	40.63	0.10	0.00		405.23	13325.30	165.76	537.16
Hempstead Lake	11915.3*	Max WS	40.73	40.62	0.10	0.00		416.62	13288.49	191.17	548.14
Hempstead Lake	11905.5*	Max WS	40.73	40.62	0.11	0.00		428.90	13245.19	222.18	559.21
Hempstead Lake	11895.6*	Max WS	40.73	40.62	0.11	0.00		441.50	13194.37	260.38	571.08
Hempstead Lake	11885.8*	Max WS	40.73	40.61	0.11	0.00		452.74	13137.92	305.59	583.19
Hempstead Lake	11876.0*	Max WS	40.72	40.61	0.11	0.00		464.86	13070.39	360.98	595.90
Hempstead Lake	11866.2*	Max WS	40.72	40.61	0.12	0.00		475.07	12988.51	432.64	602.85
Hempstead Lake	11856.4*	Max WS	40.72	40.60	0.12	0.00		485.24	12889.03	521.93	604.50
Hempstead Lake	11846.5*	Max WS	40.72	40.60	0.12	0.00		496.49	12775.85	623.85	606.16
Hempstead Lake	11836.7*	Max WS	40.72	40.59	0.12	0.00		506.49	12650.90	738.77	607.82
Hempstead Lake	11826.9*	Max WS	40.72	40.59	0.13	0.00		516.37	12512.23	867.56	609.47
Hempstead Lake	11817.1*	Max WS	40.72	40.59	0.13	0.00		526.93	12354.97	1014.24	611.13
Hempstead Lake	11807.2*	Max WS	40.71	40.58	0.13	0.00		536.68	12182.59	1176.85	612.78
Hempstead Lake	11797.46	Max WS	40.71	40.58	0.14	0.00		444.34	12097.16	1354.60	614.44
Hempstead Lake	11792.46	Max WS	40.71	40.57	0.14			462.12	12202.79	1231.18	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	35.92	35.80	0.13	0.00		17.80	3026.15	16.76	614.44
Hempstead Lake	11627.46	Max WS	35.92	35.82	0.11	0.00		22.40	3033.20	13.38	614.44
Hempstead Lake	11623.2*	Max WS	35.95	35.84	0.11	0.01		94.75	3404.50	53.47	645.38
Hempstead Lake	11619.1*	Max WS	35.93	35.84	0.10	0.00		104.69	3398.49	49.54	667.13
Hempstead Lake	11614.94	Max WS	35.93	35.84	0.09	0.00		39.83	3494.09	18.80	681.50
Hempstead Lake	11612.94	Max WS	35.93	35.84	0.09	0.00		41.22	3498.42	17.47	682.38
Hempstead Lake	11606.9*	Max WS	35.92	35.85	0.07	0.00		126.28	3397.56	37.64	685.20
Hempstead Lake	11600.94	Max WS	35.91	35.85	0.07	0.00		52.78	3493.27	11.06	687.57
Hempstead Lake	11598.94	Max WS	35.91	35.85	0.06	0.00		54.84	3496.43	10.18	688.64
Hempstead Lake	11573.9*	Max WS	35.91	35.87	0.03	0.00		82.35	3462.92	4.72	762.63
Hempstead Lake	11548.9*	Max WS	35.90	35.88	0.02	0.00		132.77	3438.30	3.07	836.90
Hempstead Lake	11523.9*	Max WS	35.90	35.89	0.01	0.00		205.97	3365.99	2.15	913.10
Hempstead Lake	11498.9*	Max WS	35.90	35.89	0.01	0.00		303.41	3273.08	1.56	990.41
Hempstead Lake	11473.9*	Max WS	35.90	35.89	0.01	0.00		428.94	3147.89	1.14	1068.38
Hempstead Lake	11448.9*	Max WS	35.90	35.90	0.00	0.00		564.09	3012.99	0.83	1146.87
Hempstead Lake	11423.9*	Max WS	35.90	35.90	0.00	0.00		710.06	2867.21	0.58	1220.14
Hempstead Lake	11398.9*	Max WS	35.90	35.90	0.00	0.00		876.24	2701.14	0.41	1290.84
Hempstead Lake	11373.9*	Max WS	35.90	35.90	0.00	0.00		1033.75	2543.70	0.28	1362.29
Hempstead Lake	11349.*	Max WS	35.90	35.90	0.00	0.00		1191.21	2386.27	0.20	1433.78
Hempstead Lake	11324.*	Max WS	35.90	35.90	0.00	0.00		1376.65	2200.85	0.13	1505.60
Hempstead Lake	11299.0*	Max WS	35.90	35.90	0.00	0.00		1529.55	2047.93	0.09	1577.27
Hempstead Lake	11274.0*	Max WS	35.90	35.90	0.00	0.00		1678.64	1898.81	0.06	1595.89
Hempstead Lake	11249.0*	Max WS	35.90	35.90	0.00	0.00		1842.44	1734.98	0.04	1656.03
Hempstead Lake	11224.0*	Max WS	35.90	35.90	0.00	0.00		1978.29	1599.09	0.02	1718.60
Hempstead Lake	11199.0*	Max WS	35.90	35.90	0.00	0.00		2106.35	1470.97	0.01	1782.58
Hempstead Lake	11174.0*	Max WS	35.90	35.90	0.00	0.00		2226.90	1350.34	0.01	1851.16
Hempstead Lake	11149.0*	Max WS	35.90	35.90	0.00	0.00		2362.29	1214.86	0.00	1920.79
Hempstead Lake	11124.0*	Max WS	35.90	35.90	0.00	0.00		2467.35	1109.71	0.00	1990.48
Hempstead Lake	11099.0*	Max WS	35.90	35.90	0.00	0.00		2564.69	1012.29	0.00	2060.48
Hempstead Lake	11074.0*	Max WS	35.90	35.90	0.00	0.00		2676.55	900.35	0.00	2130.37
Hempstead Lake	11049.07	Max WS	35.90	35.90	0.00	0.00		2057.98	1518.82	0.00	2200.40

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	35.90	35.90	0.00	0.00		2685.87	890.88		2174.86
Hempstead Lake	11027.7*	Max WS	35.90	35.90	0.00	0.00		2632.78	943.90		2149.19
Hempstead Lake	11017.0*	Max WS	35.90	35.90	0.00	0.00		2554.00	1022.62		2123.73
Hempstead Lake	11006.4*	Max WS	35.90	35.90	0.00	0.00		2470.62	1105.94		2098.82
Hempstead Lake	10995.7*	Max WS	35.90	35.90	0.00	0.00		2406.55	1169.95		2075.17
Hempstead Lake	10985.0*	Max WS	35.90	35.90	0.00	0.00		2314.70	1261.75		2051.60
Hempstead Lake	10974.4*	Max WS	35.90	35.90	0.00	0.00		2243.16	1333.24		2027.78
Hempstead Lake	10963.7*	Max WS	35.90	35.90	0.00	0.00		2143.63	1432.70		1980.37
Hempstead Lake	10953.1*	Max WS	35.90	35.90	0.00	0.00		2041.72	1534.56		1837.79
Hempstead Lake	10942.4*	Max WS	35.90	35.90	0.00	0.00		1960.13	1616.10		1787.66
Hempstead Lake	10931.7*	Max WS	35.90	35.90	0.00	0.00		1850.87	1725.31		1768.32
Hempstead Lake	10921.1*	Max WS	35.90	35.90	0.00	0.00		1739.48	1836.64		1748.81
Hempstead Lake	10910.4*	Max WS	35.90	35.90	0.00	0.00		1649.30	1926.75		1729.89
Hempstead Lake	10899.7*	Max WS	35.90	35.90	0.00	0.00		1534.31	2041.70		1710.81
Hempstead Lake	10889.1*	Max WS	35.90	35.90	0.00	0.00		1419.35	2156.60		1692.01
Hempstead Lake	10878.4*	Max WS	35.90	35.90	0.00	0.00		1325.70	2250.19		1673.04
Hempstead Lake	10867.8*	Max WS	35.90	35.90	0.00	0.00		1211.38	2364.45		1654.05
Hempstead Lake	10857.1*	Max WS	35.90	35.90	0.00	0.00		1118.15	2457.62		1635.31
Hempstead Lake	10846.4*	Max WS	35.90	35.90	0.00	0.00		1008.23	2567.48		1616.49
Hempstead Lake	10835.8*	Max WS	35.90	35.90	0.00	0.00		902.25	2673.40		1597.74
Hempstead Lake	10825.1*	Max WS	35.90	35.90	0.00	0.00		815.18	2760.41		1579.20
Hempstead Lake	10814.4*	Max WS	35.90	35.90	0.00	0.00		717.77	2857.77		1560.57
Hempstead Lake	10803.8*	Max WS	35.90	35.90	0.00	0.00		626.08	2949.39		1542.07
Hempstead Lake	10793.1*	Max WS	35.90	35.90	0.00	0.00		551.06	3024.33		1523.61
Hempstead Lake	10782.4*	Max WS	35.90	35.90	0.00	0.00		474.84	3100.49		1505.21
Hempstead Lake	10771.8*	Max WS	35.90	35.90	0.00	0.00		405.18	3170.09		1486.95
Hempstead Lake	10761.1*	Max WS	35.90	35.90	0.00	0.00		349.12	3226.09		1468.70
Hempstead Lake	10750.5*	Max WS	35.90	35.90	0.00	0.00		292.03	3283.11		1450.47
Hempstead Lake	10739.8*	Max WS	35.90	35.90	0.00	0.00		241.35	3333.73		1432.37
Hempstead Lake	10729.1*	Max WS	35.90	35.90	0.00	0.00		200.88	3374.12		1414.32
Hempstead Lake	10718.5*	Max WS	35.90	35.90	0.00	0.00		161.86	3413.07		1396.43
Hempstead Lake	10707.8*	Max WS	35.90	35.90	0.00	0.00		130.79	3444.07		1378.74
Hempstead Lake	10697.1*	Max WS	35.90	35.90	0.00	0.00		101.99	3472.79		1360.88
Hempstead Lake	10686.5*	Max WS	35.90	35.90	0.00	0.00		78.17	3496.54		1342.40
Hempstead Lake	10675.8*	Max WS	35.90	35.90	0.00	0.00		59.67	3514.96		1324.16
Hempstead Lake	10665.2*	Max WS	35.90	35.90	0.00	0.00		43.49	3531.06		1306.34
Hempstead Lake	10654.5*	Max WS	35.90	35.90	0.00	0.00		30.73	3543.74		1288.67
Hempstead Lake	10643.8*	Max WS	35.90	35.90	0.00	0.00		21.25	3553.14		1271.60
Hempstead Lake	10633.2*	Max WS	35.90	35.90	0.00	0.00		13.69	3560.61		1254.75
Hempstead Lake	10622.5*	Max WS	35.90	35.90	0.00	0.00		8.24	3565.99		1238.23
Hempstead Lake	10611.8*	Max WS	35.90	35.90	0.00	0.00		4.57	3569.58		1222.52
Hempstead Lake	10601.2*	Max WS	35.90	35.90	0.00	0.00		2.14	3571.92		1206.95
Hempstead Lake	10590.5*	Max WS	35.90	35.90	0.00	0.00		0.79	3573.18		1191.57
Hempstead Lake	10579.8*	Max WS	35.90	35.90	0.00	0.00		0.16	3573.72		1176.40
Hempstead Lake	10569.23	Max WS	35.90	35.90	0.00	0.00		0.00	3573.78		1161.47
Hempstead Lake	10549.1*	Max WS	35.90	35.90	0.00	0.00		0.00	3573.69		1157.83
Hempstead Lake	10529.0*	Max WS	35.90	35.90	0.00	0.00		0.00	3573.59		1153.05
Hempstead Lake	10508.9*	Max WS	35.90	35.90	0.00	0.00			3578.27		1146.45
Hempstead Lake	10488.7*	Max WS	35.90	35.90	0.00	0.00			3578.26		1138.52
Hempstead Lake	10468.6*	Max WS	35.90	35.90	0.00	0.00			3573.30		1131.29
Hempstead Lake	10448.5*	Max WS	35.90	35.90	0.00	0.00			3573.20		1125.54
Hempstead Lake	10428.4*	Max WS	35.90	35.90	0.00	0.00			3573.09		1121.90
Hempstead Lake	10408.3*	Max WS	35.90	35.90	0.00	0.00			3578.25		1118.39
Hempstead Lake	10388.2*	Max WS	35.90	35.90	0.00	0.00			3578.23		1115.13
Hempstead Lake	10368.1*	Max WS	35.90	35.90	0.00	0.00			3578.22		1112.09
Hempstead Lake	10348.0*	Max WS	35.90	35.90	0.00	0.00			3578.21		1109.12
Hempstead Lake	10327.9*	Max WS	35.90	35.90	0.00	0.00			3578.19		1106.16
Hempstead Lake	10307.8*	Max WS	35.90	35.90	0.00	0.00			3578.17		1103.41
Hempstead Lake	10287.7*	Max WS	35.90	35.90	0.00	0.00			3578.15		1100.67
Hempstead Lake	10267.6*	Max WS	35.90	35.90	0.00	0.00			3578.12		1097.95
Hempstead Lake	10247.4*	Max WS	35.90	35.90	0.00	0.00			3578.09		1095.27
Hempstead Lake	10227.3*	Max WS	35.90	35.90	0.00	0.00			3578.06		1092.73
Hempstead Lake	10207.2*	Max WS	35.90	35.90	0.00	0.00			3578.03		1090.22
Hempstead Lake	10187.1*	Max WS	35.90	35.90	0.00	0.00			3578.00		1087.74
Hempstead Lake	10167.0*	Max WS	35.90	35.90	0.00	0.00			3577.97		1085.27
Hempstead Lake	10146.9*	Max WS	35.90	35.90	0.00	0.00			3577.92		1083.01
Hempstead Lake	10126.8*	Max WS	35.90	35.90	0.00	0.00			3577.89		1080.64
Hempstead Lake	10106.7*	Max WS	35.90	35.90	0.00	0.00			3577.85		1078.35
Hempstead Lake	10086.6*	Max WS	35.90	35.90	0.00	0.00		0.01	3577.79		1094.70
Hempstead Lake	10066.5*	Max WS	35.90	35.90	0.00	0.00		0.04	3577.71		1157.03
Hempstead Lake	10046.4*	Max WS	35.90	35.90	0.00	0.00		0.18	3577.51		1167.59
Hempstead Lake	10026.2*	Max WS	35.90	35.90	0.00	0.00		0.41	3577.23		1178.48

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	35.90	35.89	0.00	0.00		0.73	3576.86		1189.91
Hempstead Lake	9986.073	Max WS	35.90	35.89	0.00	0.00		1.01	3576.52		1201.41
Hempstead Lake	9965.77*	Max WS	35.90	35.89	0.00	0.00		0.86	3576.61		1199.36
Hempstead Lake	9945.47*	Max WS	35.90	35.89	0.00	0.00		0.68	3576.72	0.00	1196.21
Hempstead Lake	9925.18*	Max WS	35.90	35.89	0.00	0.00		0.52	3576.82	0.00	1192.70
Hempstead Lake	9904.88*	Max WS	35.90	35.89	0.00	0.00		0.37	3576.90	0.01	1187.76
Hempstead Lake	9884.59*	Max WS	35.90	35.89	0.00	0.00		0.23	3576.95	0.02	1182.22
Hempstead Lake	9864.29*	Max WS	35.90	35.89	0.00	0.00		0.13	3576.97	0.04	1177.21
Hempstead Lake	9843.99*	Max WS	35.90	35.89	0.00	0.00		0.07	3576.92	0.07	1132.55
Hempstead Lake	9823.7*	Max WS	35.90	35.89	0.00	0.00		0.04	3576.84	0.11	1103.15
Hempstead Lake	9803.40*	Max WS	35.90	35.89	0.00	0.00		0.02	3576.74	0.15	1088.78
Hempstead Lake	9783.10*	Max WS	35.90	35.89	0.00	0.00		0.01	3576.62	0.21	1072.59
Hempstead Lake	9762.81*	Max WS	35.90	35.89	0.00	0.00		0.02	3576.48	0.27	1054.19
Hempstead Lake	9742.51*	Max WS	35.89	35.89	0.00	0.00		0.03	3576.31	0.35	1047.06
Hempstead Lake	9722.21*	Max WS	35.89	35.89	0.00	0.00		0.05	3584.44	0.44	1044.85
Hempstead Lake	9701.92*	Max WS	35.89	35.89	0.00	0.00		0.09	3575.90	0.54	1042.77
Hempstead Lake	9681.62*	Max WS	35.89	35.89	0.00	0.00		0.13	3584.14	0.67	1040.33
Hempstead Lake	9661.32*	Max WS	35.89	35.89	0.00	0.00		0.18	3575.36	0.81	1037.93
Hempstead Lake	9641.03*	Max WS	35.89	35.89	0.00	0.00		0.23	3575.06	0.98	1035.27
Hempstead Lake	9620.73*	Max WS	35.89	35.89	0.00	0.00		0.30	3574.72	1.16	1032.52
Hempstead Lake	9600.43*	Max WS	35.89	35.89	0.00	0.00		0.38	3583.17	1.36	1029.75
Hempstead Lake	9580.14*	Max WS	35.89	35.89	0.00	0.00		0.46	3582.92	1.52	1027.00
Hempstead Lake	9559.84*	Max WS	35.89	35.89	0.00	0.00		0.56	3582.59	1.74	1024.13
Hempstead Lake	9539.54*	Max WS	35.89	35.89	0.00	0.00		0.66	3582.23	1.98	1021.16
Hempstead Lake	9519.25*	Max WS	35.89	35.89	0.00	0.00		0.78	3581.83	2.23	1018.57
Hempstead Lake	9498.95*	Max WS	35.89	35.89	0.00	0.00		0.87	3581.44	2.51	1018.45
Hempstead Lake	9478.65*	Max WS	35.89	35.89	0.00	0.00		0.97	3581.03	2.79	1017.19
Hempstead Lake	9458.36*	Max WS	35.89	35.89	0.00	0.00		1.11	3580.55	3.11	1014.35
Hempstead Lake	9438.06*	Max WS	35.89	35.89	0.00	0.00		1.28	3580.02	3.44	1010.90
Hempstead Lake	9417.76*	Max WS	35.89	35.89	0.00	0.00		1.46	3579.45	3.79	1007.70
Hempstead Lake	9397.47*	Max WS	35.89	35.89	0.00	0.00		1.66	3578.87	4.15	1005.76
Hempstead Lake	9377.17*	Max WS	35.89	35.89	0.00	0.00		1.87	3578.24	4.52	1003.94
Hempstead Lake	9356.87*	Max WS	35.89	35.89	0.00	0.00		2.10	3577.58	4.92	1001.85
Hempstead Lake	9336.58*	Max WS	35.89	35.89	0.00	0.00		2.34	3576.86	5.34	999.72
Hempstead Lake	9316.28*	Max WS	35.89	35.89	0.00	0.00		2.60	3576.11	5.77	997.33
Hempstead Lake	9295.98*	Max WS	35.89	35.89	0.00	0.00		2.88	3575.32	6.24	995.15
Hempstead Lake	9275.69*	Max WS	35.89	35.89	0.00	0.00		3.18	3574.51	6.71	992.95
Hempstead Lake	9255.39*	Max WS	35.89	35.89	0.00	0.00		3.49	3573.62	7.23	990.81
Hempstead Lake	9235.09*	Max WS	35.89	35.89	0.00	0.00		3.83	3572.71	7.75	988.51
Hempstead Lake	9214.80*	Max WS	35.89	35.89	0.00	0.00		4.18	3571.74	8.30	986.37
Hempstead Lake	9194.50*	Max WS	35.89	35.89	0.00	0.00		4.55	3570.74	8.86	983.87
Hempstead Lake	9174.20*	Max WS	35.89	35.89	0.00	0.00		4.96	3579.82	9.49	981.75
Hempstead Lake	9153.910	Max WS	35.89	35.89	0.00	0.00		5.41	3580.07	8.77	979.43
Hempstead Lake	9133.22*	Max WS	35.89	35.89	0.00	0.00		5.44	3707.04	8.83	986.19
Hempstead Lake	9112.54*	Max WS	35.89	35.89	0.00	0.00		5.30	3707.37	8.63	992.98
Hempstead Lake	9091.85*	Max WS	35.89	35.89	0.00	0.00		5.18	3707.68	8.43	999.95
Hempstead Lake	9071.17*	Max WS	35.89	35.89	0.00	0.00		5.05	3707.98	8.24	1006.97
Hempstead Lake	9050.49*	Max WS	35.89	35.89	0.00	0.00		4.93	3708.27	8.04	1013.97
Hempstead Lake	9029.80*	Max WS	35.89	35.89	0.00	0.00		4.80	3708.56	7.84	1021.20
Hempstead Lake	9009.12*	Max WS	35.89	35.89	0.00	0.00		4.67	3708.84	7.65	1028.58
Hempstead Lake	8988.44*	Max WS	35.89	35.89	0.00	0.00		4.54	3709.12	7.46	1036.12
Hempstead Lake	8967.75*	Max WS	35.89	35.89	0.00	0.00		4.44	3719.66	7.27	1043.88
Hempstead Lake	8947.07*	Max WS	35.89	35.89	0.00	0.00		4.30	3709.65	7.07	1051.77
Hempstead Lake	8926.39*	Max WS	35.89	35.89	0.00	0.00		4.18	3709.92	6.86	1059.77
Hempstead Lake	8905.70*	Max WS	35.89	35.89	0.00	0.00		4.20	3709.80	6.89	1067.91
Hempstead Lake	8885.02*	Max WS	35.89	35.89	0.00	0.00		4.09	3720.55	6.71	1076.35
Hempstead Lake	8864.33*	Max WS	35.89	35.89	0.00	0.00		3.98	3720.85	6.52	1084.90
Hempstead Lake	8843.65*	Max WS	35.89	35.89	0.00	0.00		3.87	3721.14	6.31	1093.81
Hempstead Lake	8822.97*	Max WS	35.89	35.89	0.00	0.00		3.76	3721.40	6.12	1103.02
Hempstead Lake	8802.28*	Max WS	35.89	35.89	0.00	0.00		3.67	3721.66	5.92	1112.36
Hempstead Lake	8781.60*	Max WS	35.89	35.89	0.00	0.00		3.58	3721.90	5.72	1122.75
Hempstead Lake	8760.92*	Max WS	35.89	35.89	0.00	0.00		3.51	3732.68	5.55	1133.20
Hempstead Lake	8740.23*	Max WS	35.89	35.89	0.00	0.00		3.41	3722.35	5.33	1144.09
Hempstead Lake	8719.55*	Max WS	35.89	35.89	0.00	0.00		3.27	3733.29	5.15	1160.70
Hempstead Lake	8698.86*	Max WS	35.89	35.89	0.00	0.00		2.99	3733.74	4.96	1192.42
Hempstead Lake	8678.18*	Max WS	35.89	35.89	0.00	0.00		2.78	3734.09	4.77	1232.68
Hempstead Lake	8657.50*	Max WS	35.89	35.89	0.00	0.00		2.60	3734.42	4.59	1293.44
Hempstead Lake	8636.81*	Max WS	35.89	35.89	0.00	0.00		2.71	3734.45	4.39	1343.62
Hempstead Lake	8616.13*	Max WS	35.89	35.89	0.00	0.00		3.02	3744.88	4.22	1377.36
Hempstead Lake	8595.45*	Max WS	35.89	35.89	0.00	0.00		3.32	3744.74	4.03	1429.04
Hempstead Lake	8574.76*	Max WS	35.89	35.89	0.00	0.00		3.74	3744.47	3.84	1477.09
Hempstead Lake	8554.08*	Max WS	35.89	35.89	0.00	0.00		4.33	3744.02	3.66	1511.47

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	35.89	35.89	0.00	0.00		5.12	3753.80	3.50	1529.83
Hempstead Lake	8512.71*	Max WS	35.89	35.89	0.00	0.00		5.93	3753.16	3.31	1552.24
Hempstead Lake	8492.03*	Max WS	35.89	35.89	0.00	0.00		6.81	3752.42	3.13	1576.01
Hempstead Lake	8471.34*	Max WS	35.89	35.89	0.00	0.00		7.77	3751.59	2.96	1598.82
Hempstead Lake	8450.66*	Max WS	35.89	35.89	0.00	0.00		8.82	3750.66	2.78	1620.12
Hempstead Lake	8429.980	Max WS	35.89	35.89	0.00	0.00		9.81	3760.11	2.58	1641.05
Hempstead Lake	8416.34*	Max WS	35.89	35.89	0.00	0.00		9.47	3760.42	2.58	1649.29
Hempstead Lake	8402.71*	Max WS	35.89	35.89	0.00	0.00		9.16	3770.61	2.60	1658.33
Hempstead Lake	8389.07*	Max WS	35.89	35.89	0.00	0.00		8.79	3770.97	2.59	1667.86
Hempstead Lake	8375.44*	Max WS	35.89	35.89	0.00	0.00		8.48	3771.26	2.59	1677.16
Hempstead Lake	8361.81*	Max WS	35.89	35.89	0.00	0.00		8.17	3781.07	2.60	1688.00
Hempstead Lake	8348.17*	Max WS	35.89	35.89	0.00	0.00		7.85	3771.83	2.60	1699.73
Hempstead Lake	8334.54*	Max WS	35.89	35.89	0.00	0.00		7.55	3781.67	2.61	1710.73
Hempstead Lake	8320.91*	Max WS	35.89	35.89	0.00	0.00		7.26	3781.94	2.61	1724.63
Hempstead Lake	8307.27*	Max WS	35.89	35.89	0.00	0.00		6.99	3782.18	2.61	1736.21
Hempstead Lake	8293.64*	Max WS	35.89	35.89	0.00	0.00		6.73	3791.55	2.62	1748.79
Hempstead Lake	8280.00*	Max WS	35.89	35.89	0.00	0.00		6.49	3791.78	2.62	1760.71
Hempstead Lake	8266.37*	Max WS	35.89	35.89	0.00	0.00		6.27	3791.95	2.62	1770.01
Hempstead Lake	8252.74*	Max WS	35.89	35.89	0.00	0.00		6.06	3800.84	2.64	1779.85
Hempstead Lake	8239.10*	Max WS	35.89	35.89	0.00	0.00		5.88	3809.18	2.64	1789.95
Hempstead Lake	8225.47*	Max WS	35.89	35.89	0.00	0.00		5.68	3809.37	2.64	1802.34
Hempstead Lake	8211.84*	Max WS	35.89	35.89	0.00	0.00		5.48	3809.53	2.65	1816.52
Hempstead Lake	8198.20*	Max WS	35.89	35.89	0.00	0.00		5.29	3817.41	2.65	1829.98
Hempstead Lake	8184.57*	Max WS	35.89	35.89	0.00	0.00		5.12	3824.72	2.66	1844.51
Hempstead Lake	8170.93*	Max WS	35.89	35.89	0.00	0.00		4.95	3824.88	2.66	1858.77
Hempstead Lake	8157.30*	Max WS	35.89	35.89	0.00	0.00		4.81	3831.60	2.67	1872.62
Hempstead Lake	8143.67*	Max WS	35.89	35.89	0.00	0.00		4.67	3825.09	2.67	1886.34
Hempstead Lake	8130.03*	Max WS	35.89	35.89	0.00	0.00		5.88	3830.50	2.67	1815.32
Hempstead Lake	8116.40*	Max WS	35.89	35.89	0.00	0.00		5.90	3836.54	2.67	1813.20
Hempstead Lake	8102.76*	Max WS	35.89	35.89	0.00	0.00		5.89	3836.51	2.68	1818.28
Hempstead Lake	8089.13*	Max WS	35.89	35.89	0.00	0.00		5.92	3841.98	2.68	1825.04
Hempstead Lake	8075.50*	Max WS	35.89	35.89	0.00	0.00		5.99	3846.85	2.68	1837.72
Hempstead Lake	8061.86*	Max WS	35.89	35.89	0.00	0.00		6.04	3846.78	2.69	1852.93
Hempstead Lake	8048.23*	Max WS	35.89	35.89	0.00	0.00		6.14	3851.00	2.69	1860.57
Hempstead Lake	8034.6*	Max WS	35.89	35.89	0.00	0.00		6.27	3854.67	2.70	1867.85
Hempstead Lake	8020.96*	Max WS	35.89	35.89	0.00	0.00		6.38	3857.73	2.70	1878.87
Hempstead Lake	8007.33*	Max WS	35.89	35.89	0.00	0.00		6.51	3857.58	2.70	1899.43
Hempstead Lake	7993.69*	Max WS	35.89	35.89	0.00	0.00		6.66	3860.04	2.70	1924.68
Hempstead Lake	7980.06*	Max WS	35.89	35.89	0.00	0.00		6.82	3861.90	2.70	1954.10
Hempstead Lake	7966.43*	Max WS	35.89	35.89	0.00	0.00		6.98	3861.73	2.70	2006.82
Hempstead Lake	7952.79*	Max WS	35.89	35.89	0.00	0.00		7.18	3861.50	2.71	2063.39
Hempstead Lake	7939.16*	Max WS	35.89	35.89	0.00	0.00		7.45	3862.68	2.71	2118.22
Hempstead Lake	7925.53*	Max WS	35.89	35.89	0.00	0.00		7.76	3863.56	2.71	2166.31
Hempstead Lake	7911.89*	Max WS	35.89	35.89	0.00	0.00		8.09	3863.22	2.71	2215.23
Hempstead Lake	7898.26*	Max WS	35.89	35.89	0.00	0.00		8.47	3862.57	2.71	2262.54
Hempstead Lake	7884.62*	Max WS	35.89	35.89	0.00	0.00		8.86	3862.16	2.72	2304.98
Hempstead Lake	7870.99*	Max WS	35.89	35.89	0.00	0.00		9.30	3861.70	2.72	2352.60
Hempstead Lake	7857.36*	Max WS	35.89	35.89	0.00	0.00		8.65	3860.16	2.72	2899.27
Hempstead Lake	7843.72*	Max WS	35.89	35.89	0.00	0.00		9.55	3859.25	2.72	2903.56
Hempstead Lake	7830.09*	Max WS	35.89	35.89	0.00	0.00		10.56	3858.21	2.72	2909.03
Hempstead Lake	7816.45*	Max WS	35.89	35.89	0.00	0.00		11.66	3855.22	2.72	2914.55
Hempstead Lake	7802.82*	Max WS	35.89	35.89	0.00	0.00		12.74	3854.11	2.73	2920.74
Hempstead Lake	7789.19*	Max WS	35.89	35.89	0.00	0.00		13.98	3852.82	2.73	2927.38
Hempstead Lake	7775.55*	Max WS	35.89	35.89	0.00	0.00		15.21	3849.21	2.72	2934.51
Hempstead Lake	7761.92*	Max WS	35.89	35.89	0.00	0.00		16.50	3844.94	2.72	2941.99
Hempstead Lake	7748.29*	Max WS	35.89	35.89	0.00	0.00		17.85	3840.17	2.71	2949.52
Hempstead Lake	7734.65*	Max WS	35.89	35.89	0.00	0.00		19.28	3834.82	2.71	2958.34
Hempstead Lake	7721.02*	Max WS	35.89	35.89	0.00	0.00		20.82	3837.16	2.71	2966.77
Hempstead Lake	7707.38*	Max WS	35.89	35.89	0.00	0.00		22.26	3831.82	2.70	2975.74
Hempstead Lake	7693.75*	Max WS	35.89	35.89	0.00	0.00		23.86	3830.19	2.71	2984.78
Hempstead Lake	7680.12*	Max WS	35.89	35.89	0.00	0.00		25.37	3824.29	2.71	2994.72
Hempstead Lake	7666.48*	Max WS	35.89	35.89	0.00	0.00		27.09	3826.87	2.72	3004.76
Hempstead Lake	7652.85*	Max WS	35.89	35.89	0.00	0.00		28.70	3820.91	2.72	3014.66
Hempstead Lake	7639.22*	Max WS	35.89	35.89	0.00	0.00		30.46	3819.12	2.72	3026.48
Hempstead Lake	7625.58*	Max WS	35.89	35.89	0.00	0.00		32.25	3812.51	2.72	3038.46
Hempstead Lake	7611.95*	Max WS	35.89	35.89	0.00	0.00		33.98	3810.73	2.73	3051.32
Hempstead Lake	7598.31*	Max WS	35.89	35.89	0.00	0.00		35.76	3803.71	2.73	3064.22
Hempstead Lake	7584.68*	Max WS	35.89	35.89	0.00	0.00		37.51	3796.32	2.76	3076.53
Hempstead Lake	7571.05*	Max WS	35.89	35.89	0.00	0.00		39.43	3794.62	2.52	3140.66
Hempstead Lake	7557.41*	Max WS	35.89	35.89	0.00	0.00		41.29	3792.67	2.58	3154.09
Hempstead Lake	7543.783	Max WS	35.89	35.89	0.00	0.00		43.82	3795.56	2.69	3168.33
Hempstead Lake	7530.03*	Max WS	35.89	35.89	0.00	0.00		46.61	3806.43	3.10	3183.50

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	35.89	35.89	0.00	0.00		48.48	3810.38	3.20	3201.59
Hempstead Lake	7502.53*	Max WS	35.89	35.89	0.00	0.00		50.23	3802.56	3.32	3218.57
Hempstead Lake	7488.79*	Max WS	35.89	35.89	0.00	0.00		52.00	3794.38	3.43	3236.53
Hempstead Lake	7475.04*	Max WS	35.89	35.89	0.00	0.00		54.06	3804.27	3.55	3258.44
Hempstead Lake	7461.29*	Max WS	35.89	35.89	0.00	0.00		55.89	3796.50	3.63	3294.50
Hempstead Lake	7447.54*	Max WS	35.89	35.89	0.00	0.00		57.74	3788.31	3.74	3319.81
Hempstead Lake	7433.79*	Max WS	35.89	35.89	0.00	0.00		59.70	3786.15	3.92	3326.68
Hempstead Lake	7420.04*	Max WS	35.89	35.89	0.00	0.00		61.70	3783.92	4.10	3333.70
Hempstead Lake	7406.3*	Max WS	35.89	35.89	0.00	0.00		63.74	3781.64	4.29	3341.00
Hempstead Lake	7392.55*	Max WS	35.89	35.89	0.00	0.00		65.82	3779.34	4.47	3348.28
Hempstead Lake	7378.80*	Max WS	35.89	35.89	0.00	0.00		67.92	3777.03	4.64	3356.80
Hempstead Lake	7365.05*	Max WS	35.89	35.89	0.00	0.00		70.05	3774.66	4.82	3364.49
Hempstead Lake	7351.30*	Max WS	35.89	35.89	0.00	0.00		72.08	3766.11	4.98	3372.69
Hempstead Lake	7337.55*	Max WS	35.89	35.89	0.00	0.00		74.22	3763.75	5.15	3381.81
Hempstead Lake	7323.81*	Max WS	35.89	35.89	0.00	0.00		76.24	3754.91	5.30	3391.67
Hempstead Lake	7310.06*	Max WS	35.89	35.89	0.00	0.00		78.55	3758.99	5.48	3404.48
Hempstead Lake	7296.31*	Max WS	35.89	35.89	0.00	0.00		80.72	3756.59	5.64	3416.57
Hempstead Lake	7282.56*	Max WS	35.89	35.89	0.00	0.00		82.79	3747.85	5.78	3428.97
Hempstead Lake	7268.81*	Max WS	35.89	35.89	0.00	0.00		85.05	3745.40	5.94	3442.84
Hempstead Lake	7255.06*	Max WS	35.89	35.89	0.00	0.00		87.30	3742.98	6.07	3456.51
Hempstead Lake	7241.32*	Max WS	35.89	35.89	0.00	0.00		89.63	3740.46	6.22	3471.18
Hempstead Lake	7227.57*	Max WS	35.89	35.89	0.00	0.00		91.94	3737.98	6.36	3486.75
Hempstead Lake	7213.82*	Max WS	35.89	35.89	0.00	0.00		94.07	3729.07	6.48	3502.86
Hempstead Lake	7200.07*	Max WS	35.89	35.89	0.00	0.00		96.40	3726.55	6.63	3517.95
Hempstead Lake	7186.32*	Max WS	35.89	35.89	0.00	0.00		98.81	3723.98	6.75	3535.75
Hempstead Lake	7172.57*	Max WS	35.89	35.89	0.00	0.00		101.18	3721.44	6.88	3554.58
Hempstead Lake	7158.83*	Max WS	35.89	35.89	0.00	0.00		103.78	3724.69	7.03	3572.95
Hempstead Lake	7145.08*	Max WS	35.89	35.89	0.00	0.00		105.90	3716.00	7.15	3598.04
Hempstead Lake	7131.33*	Max WS	35.89	35.89	0.00	0.00		108.01	3707.88	7.26	3625.81
Hempstead Lake	7117.58*	Max WS	35.89	35.89	0.00	0.00		110.47	3710.49	7.39	3655.20
Hempstead Lake	7103.83*	Max WS	35.89	35.89	0.00	0.00		112.81	3707.46	7.52	3682.29
Hempstead Lake	7090.08*	Max WS	35.89	35.89	0.00	0.00		111.69	3708.39	7.42	3710.33
Hempstead Lake	7076.34*	Max WS	35.89	35.89	0.00	0.00		114.06	3705.86	7.54	3740.97
Hempstead Lake	7062.59*	Max WS	35.89	35.89	0.00	0.00		110.54	3708.87	7.62	3761.47
Hempstead Lake	7048.84*	Max WS	35.89	35.89	0.00	0.00		113.26	3702.41	7.72	3765.63
Hempstead Lake	7035.09*	Max WS	35.89	35.89	0.00	0.00		108.39	3450.43	264.37	5595.23
Hempstead Lake	7021.34*	Max WS	35.89	35.89	0.00	0.00		110.92	3442.00	270.00	5604.94
Hempstead Lake	7007.6*	Max WS	35.89	35.89	0.00	0.00		113.51	3434.70	276.01	5614.21
Hempstead Lake	6993.85*	Max WS	35.89	35.89	0.00	0.00		116.06	3425.22	282.15	5623.91
Hempstead Lake	6980.10*	Max WS	35.89	35.89	0.00	0.00		118.79	3420.82	282.88	5610.18
Hempstead Lake	6966.35*	Max WS	35.89	35.89	0.00	0.00		121.31	3411.62	289.49	5577.12
Hempstead Lake	6952.60*	Max WS	35.89	35.89	0.00	0.00		123.91	3401.87	296.58	5543.52
Hempstead Lake	6938.85*	Max WS	35.89	35.89	0.00	0.00		126.43	3391.15	305.01	5538.01
Hempstead Lake	6925.11*	Max WS	35.89	35.89	0.00	0.00		129.13	3385.80	307.15	5533.41
Hempstead Lake	6911.36*	Max WS	35.89	35.89	0.00	0.00		131.66	3373.48	316.10	5530.04
Hempstead Lake	6897.61*	Max WS	35.89	35.89	0.00	0.00		134.15	3361.67	325.70	5526.89
Hempstead Lake	6883.86*	Max WS	35.89	35.89	0.00	0.00		136.57	3347.42	335.72	5525.00
Hempstead Lake	6870.11*	Max WS	35.89	35.89	0.00	0.00		139.43	3343.19	338.66	5522.77
Hempstead Lake	6856.36*	Max WS	35.89	35.89	0.00	0.00		141.84	3328.12	349.45	5520.92
Hempstead Lake	6842.62*	Max WS	35.89	35.89	0.00	0.00		144.31	3315.58	361.31	5519.40
Hempstead Lake	6828.87*	Max WS	35.89	35.89	0.00	0.00		146.72	3300.49	373.94	5517.15
Hempstead Lake	6815.12*	Max WS	35.89	35.89	0.00	0.00		149.43	3292.67	378.97	5509.06
Hempstead Lake	6801.37*	Max WS	35.89	35.89	0.00	0.00		151.75	3276.41	392.82	5507.12
Hempstead Lake	6787.62*	Max WS	35.89	35.89	0.00	0.00		154.00	3259.48	407.44	5505.71
Hempstead Lake	6773.87*	Max WS	35.89	35.89	0.00	0.00		157.79	3235.88	427.19	5504.68
Hempstead Lake	6760.13*	Max WS	35.89	35.89	0.00	0.00		160.70	3230.22	432.28	5504.03
Hempstead Lake	6746.38*	Max WS	35.89	35.89	0.00	0.00		162.83	3208.60	449.13	5503.29
Hempstead Lake	6732.634	Max WS	35.89	35.89	0.00	0.00		162.85	3181.86	475.29	5495.58
Hempstead Lake	6718.98*	Max WS	35.89	35.89	0.00	0.00		189.45	3158.08	471.82	5470.08
Hempstead Lake	6705.33*	Max WS	35.89	35.89	0.00	0.00		193.77	3148.63	481.20	5444.23
Hempstead Lake	6691.68*	Max WS	35.89	35.89	0.00	0.00		197.67	3144.50	476.08	5415.66
Hempstead Lake	6678.03*	Max WS	35.89	35.89	0.00	0.00		199.41	3133.00	485.47	5384.03
Hempstead Lake	6664.38*	Max WS	35.89	35.89	0.00	0.00		203.02	3119.71	494.62	5351.56
Hempstead Lake	6650.72*	Max WS	35.89	35.89	0.00	0.00		206.71	3106.12	503.92	5315.17
Hempstead Lake	6637.07*	Max WS	35.89	35.89	0.00	0.00		210.68	3105.73	499.83	5276.11
Hempstead Lake	6623.42*	Max WS	35.89	35.89	0.00	0.00		214.64	3091.76	509.28	5243.34
Hempstead Lake	6609.77*	Max WS	35.89	35.89	0.00	0.00		218.70	3077.54	518.78	5226.92
Hempstead Lake	6596.12*	Max WS	35.89	35.89	0.00	0.00		223.46	3071.17	530.07	5210.61
Hempstead Lake	6582.47*	Max WS	35.89	35.89	0.00	0.00		226.39	3062.07	525.50	5194.02
Hempstead Lake	6568.82*	Max WS	35.89	35.89	0.00	0.00		232.25	3046.74	534.69	5177.95
Hempstead Lake	6555.17*	Max WS	35.89	35.89	0.00	0.00		237.03	3032.04	544.56	5161.80
Hempstead Lake	6541.52*	Max WS	35.89	35.89	0.00	0.00		280.43	3525.42	7.71	3776.40

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	35.89	35.89	0.00	0.00		286.31	3508.43	7.42	3770.34
Hempstead Lake	6514.22*	Max WS	35.89	35.89	0.00	0.00		294.28	3512.05	7.17	3764.29
Hempstead Lake	6500.57*	Max WS	35.89	35.89	0.00	0.00		301.97	3504.57	6.90	3758.24
Hempstead Lake	6486.91*	Max WS	35.89	35.89	0.00	0.00		310.59	3507.57	6.78	3752.18
Hempstead Lake	6473.26*	Max WS	35.89	35.89	0.00	0.00		317.60	3489.28	6.47	3746.13
Hempstead Lake	6459.61*	Max WS	35.89	35.89	0.00	0.00		323.98	3483.14	6.19	3740.07
Hempstead Lake	6445.96*	Max WS	35.89	35.89	0.00	0.00		332.59	3474.64	6.03	3734.02
Hempstead Lake	6432.31*	Max WS	35.89	35.89	0.00	0.00		344.78	3462.69	5.74	3727.97
Hempstead Lake	6418.66*	Max WS	35.89	35.89	0.00	0.00		352.45	3455.24	5.47	3717.13
Hempstead Lake	6405.01*	Max WS	35.89	35.89	0.00	0.00		362.45	3445.33	5.32	3698.98
Hempstead Lake	6391.36*	Max WS	35.89	35.89	0.00	0.00		372.81	3435.19	5.05	3685.71
Hempstead Lake	6377.71*	Max WS	35.89	35.89	0.00	0.00		383.76	3424.46	4.80	3673.36
Hempstead Lake	6364.06*	Max WS	35.89	35.89	0.00	0.00		397.92	3410.43	4.63	3662.12
Hempstead Lake	6350.41*	Max WS	35.89	35.89	0.00	0.00		408.89	3387.54	4.34	3651.64
Hempstead Lake	6336.76*	Max WS	35.89	35.89	0.00	0.00		421.74	3374.86	4.07	3641.42
Hempstead Lake	6323.11*	Max WS	35.89	35.89	0.00	0.00		433.10	3363.54	3.92	3631.38
Hempstead Lake	6309.45*	Max WS	35.89	35.89	0.00	0.00		448.87	3360.37	3.65	3621.53
Hempstead Lake	6295.80*	Max WS	35.89	35.89	0.00	0.00		471.20	3338.27	3.37	3611.50
Hempstead Lake	6282.15*	Max WS	35.89	35.89	0.00	0.00		485.58	3324.02	3.21	3601.93
Hempstead Lake	6268.507	Max WS	35.89	35.89	0.00	0.00		506.21	3304.05	2.52	3592.66
Hempstead Lake	6259.72*	Max WS	35.89	35.89	0.00	0.00		394.79	3416.06	1.89	3391.32
Hempstead Lake	6250.93*	Max WS	35.89	35.89	0.00	0.00		308.85	3502.45	1.41	3190.41
Hempstead Lake	6242.14*	Max WS	35.89	35.89	0.00	0.00		236.35	3575.28	1.07	2989.22
Hempstead Lake	6233.35*	Max WS	35.89	35.89	0.00	0.00		178.81	3632.96	0.84	2777.23
Hempstead Lake	6224.57*	Max WS	35.89	35.89	0.00	0.00		128.42	3582.96	101.09	3230.16
Hempstead Lake	6215.78*	Max WS	35.89	35.89	0.00	0.00		91.86	3652.12	55.44	2898.01
Hempstead Lake	6206.99*	Max WS	35.89	35.89	0.00	0.00		62.67	3723.05	26.68	2565.18
Hempstead Lake	6198.21*	Max WS	35.89	35.89	0.00	0.00		39.69	3762.10	10.60	2246.41
Hempstead Lake	6189.42*	Max WS	35.89	35.89	0.00	0.00		21.39	3788.08	2.91	1916.58
Hempstead Lake	6180.638	Max WS	35.89	35.89	0.00	0.00		9.28	3789.61	0.34	1541.19
Hempstead Lake	6177.638	Max WS	35.89	35.89	0.00			12.45	3799.49	0.44	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	27.44	27.21	0.23	0.21		4.46	19118.51	4.38	1122.19
Hempstead Lake	5930.638	Max WS	27.23	27.03	0.19	0.21		144.32	18897.48	58.05	1177.86
Hempstead Lake	5880.638	Max WS	27.01	26.78	0.24	0.28		16.41	18939.52	124.02	1142.67
Hempstead Lake	5830.638	Max WS	26.74	26.47	0.27	0.35			18784.00	280.28	1116.05
Hempstead Lake	5780.638	Max WS	26.38	26.07	0.31	0.40		15.76	18562.53	471.96	1133.64
Hempstead Lake	5730.638	Max WS	25.99	25.70	0.29	0.34		102.35	16723.46	2210.16	1237.58
Hempstead Lake	5680.638	Max WS	25.66	25.39	0.27	0.29		346.71	14825.71	3849.28	1265.48
Hempstead Lake	5630.638	Max WS	25.38	25.12	0.26	0.26		333.27	14047.49	4627.45	1279.28
Hempstead Lake	5580.638	Max WS	25.11	24.88	0.23	0.26		752.12	14141.66	4102.55	1272.12
Hempstead Lake	5530.638	Max WS	24.85	24.61	0.23	0.30		954.28	14392.45	3647.31	1260.57
Hempstead Lake	5480.638	Max WS	24.54	24.28	0.26	0.42		838.36	14744.50	3402.19	1255.80
Hempstead Lake	5430.638	Max WS	24.11	23.76	0.35	0.30		670.02	14874.12	3425.62	1250.44
Hempstead Lake	5380.638	Max WS	23.75	23.29	0.46	0.32		285.63	16964.21	1701.58	1213.01
Hempstead Lake	5330.638	Max WS	23.32	22.94	0.38	0.28		739.38	15060.06	3129.88	1211.13
Hempstead Lake	5307.48*	Max WS	23.04	22.68	0.37	0.23		589.61	16005.93	2307.74	1226.33
Hempstead Lake	5284.32*	Max WS	22.81	22.46	0.35	0.19		484.69	16696.62	1672.10	1224.85
Hempstead Lake	5261.17*	Max WS	22.61	22.29	0.32	0.14		406.51	17006.38	1332.89	1203.89
Hempstead Lake	5238.01*	Max WS	22.46	22.18	0.28	0.11		355.35	17104.96	1128.51	1187.09
Hempstead Lake	5214.85*	Max WS	22.35	22.10	0.24	0.08		327.07	17207.25	968.51	1183.76
Hempstead Lake	5191.70*	Max WS	22.26	22.05	0.21	0.06		313.68	17255.23	845.46	1183.78
Hempstead Lake	5168.54*	Max WS	22.20	22.01	0.19	0.05		310.37	17325.60	748.60	1185.87
Hempstead Lake	5145.39*	Max WS	22.15	21.98	0.16	0.04		314.97	17366.03	673.87	1186.89
Hempstead Lake	5122.23*	Max WS	22.11	21.96	0.15	0.03		326.87	17384.87	613.69	1189.29
Hempstead Lake	5099.07*	Max WS	22.07	21.94	0.13	0.01		347.32	17385.99	563.06	1192.02
Hempstead Lake	5075.922	Max WS	22.06	21.93	0.13	0.01		164.42	17905.36	226.43	1195.63
Hempstead Lake	5055.96*	Max WS	22.05	21.94	0.11	0.01		323.66	17560.82	411.60	1184.35
Hempstead Lake	5036.01*	Max WS	22.03	21.94	0.10	0.01		269.37	17669.17	357.45	1166.35
Hempstead Lake	5016.05*	Max WS	22.02	21.93	0.09	0.01		225.28	17759.28	311.31	1162.88
Hempstead Lake	4996.10*	Max WS	22.02	21.93	0.08	0.00		182.96	17847.66	265.12	1163.21
Hempstead Lake	4976.14*	Max WS	22.01	21.94	0.08	0.00		149.07	17920.73	225.85	1164.99
Hempstead Lake	4956.192	Max WS	22.01	21.94	0.07	0.00		80.17	18058.01	157.41	1167.72
Hempstead Lake	4936.44*	Max WS	22.01	21.94	0.06	0.00		181.04	17955.63	184.95	1164.23
Hempstead Lake	4916.69*	Max WS	22.01	21.95	0.06	0.00		216.15	17898.15	207.03	1158.39
Hempstead Lake	4896.94*	Max WS	22.00	21.95	0.05	0.00		254.20	17834.54	232.35	1152.87
Hempstead Lake	4877.19*	Max WS	22.00	21.95	0.05	0.00		286.19	17780.14	254.53	1147.00
Hempstead Lake	4857.44*	Max WS	22.00	21.95	0.04	0.00		328.80	17710.63	281.20	1141.57
Hempstead Lake	4837.697	Max WS	21.99	21.95	0.04	0.00		147.03	17950.43	222.96	1133.83
Hempstead Lake	4817.64*	Max WS	21.99	21.95	0.04	0.00		492.31	17632.73	281.60	1128.16
Hempstead Lake	4797.59*	Max WS	21.99	21.95	0.04	0.00		531.75	17622.31	252.32	1121.99
Hempstead Lake	4777.53*	Max WS	21.98	21.94	0.04	0.00		571.04	17586.26	225.09	1116.06

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	21.98	21.94	0.04	0.00		619.10	17562.46	200.78	1109.49
Hempstead Lake	4737.42*	Max WS	21.97	21.93	0.04	0.00		660.49	17543.34	178.42	1102.56
Hempstead Lake	4717.37*	Max WS	21.97	21.93	0.04	0.00		703.06	17520.99	158.08	1096.43
Hempstead Lake	4697.32*	Max WS	21.97	21.93	0.04	0.00		746.03	17496.55	139.38	1089.78
Hempstead Lake	4677.26*	Max WS	21.96	21.92	0.04	0.00		797.88	17461.08	122.80	1082.69
Hempstead Lake	4657.21*	Max WS	21.96	21.92	0.04	0.00		853.35	17419.95	108.22	1075.14
Hempstead Lake	4637.16*	Max WS	21.95	21.92	0.04	0.00		897.94	17365.79	95.38	1067.48
Hempstead Lake	4617.10*	Max WS	21.95	21.91	0.04	0.00		943.05	17331.58	84.44	1058.57
Hempstead Lake	4597.05*	Max WS	21.95	21.91	0.04	0.00		988.40	17296.12	74.48	1052.33
Hempstead Lake	4577.*	Max WS	21.94	21.91	0.04	0.00		1051.76	17241.36	65.78	1046.44
Hempstead Lake	4556.94*	Max WS	21.94	21.91	0.04	0.00		1099.63	17201.19	57.94	1041.11
Hempstead Lake	4536.893	Max WS	21.94	21.90	0.04	0.00		634.88	17705.22	18.50	1036.00
Hempstead Lake	4516.70*	Max WS	21.94	21.90	0.03	0.00		1201.03	17106.30	55.91	1033.79
Hempstead Lake	4496.51*	Max WS	21.93	21.90	0.03	0.00		1207.54	17087.73	67.77	1031.92
Hempstead Lake	4476.32*	Max WS	21.93	21.90	0.03	0.00		1188.60	17093.29	80.91	1030.00
Hempstead Lake	4456.14*	Max WS	21.93	21.89	0.03	0.00		1192.55	17055.25	94.44	1028.14
Hempstead Lake	4435.95*	Max WS	21.93	21.89	0.03	0.00		1199.03	17033.99	109.18	1026.55
Hempstead Lake	4415.76*	Max WS	21.92	21.89	0.03	0.00		1177.80	17039.77	124.56	1025.16
Hempstead Lake	4395.57*	Max WS	21.92	21.89	0.03	0.00		1182.22	17018.98	140.83	1024.41
Hempstead Lake	4375.38*	Max WS	21.92	21.88	0.03	0.00		1160.45	17023.40	158.06	1025.24
Hempstead Lake	4355.20*	Max WS	21.91	21.88	0.03	0.00		1166.69	16999.48	175.60	1025.86
Hempstead Lake	4335.01*	Max WS	21.91	21.88	0.03	0.00		1173.23	16974.51	193.86	1026.22
Hempstead Lake	4314.82*	Max WS	21.91	21.88	0.03	0.00		1149.69	16978.79	212.92	1026.95
Hempstead Lake	4294.63*	Max WS	21.91	21.88	0.03	0.00		1156.92	16951.54	232.72	1027.34
Hempstead Lake	4274.44*	Max WS	21.91	21.88	0.03	0.00		1133.37	16954.24	253.33	1028.00
Hempstead Lake	4254.26*	Max WS	21.90	21.87	0.03	0.00		1139.00	16909.59	273.79	1028.25
Hempstead Lake	4234.07*	Max WS	21.90	21.87	0.03	0.00		1146.79	16880.69	294.86	1028.52
Hempstead Lake	4213.88*	Max WS	21.90	21.87	0.03	0.00		1122.23	16882.87	317.20	1028.96
Hempstead Lake	4193.69*	Max WS	21.90	21.87	0.03	0.00		1129.97	16853.13	339.13	1029.18
Hempstead Lake	4173.50*	Max WS	21.90	21.87	0.03	0.00		1105.19	16855.03	361.91	1029.38
Hempstead Lake	4153.320	Max WS	21.89	21.87	0.03	0.00		456.43	17486.97	378.61	1029.58
Hempstead Lake	4131.85*	Max WS	21.89	21.87	0.03	0.00		1029.45	16899.14	397.76	1022.40
Hempstead Lake	4110.38*	Max WS	21.89	21.86	0.03	0.00		1003.69	16913.17	409.35	1016.15
Hempstead Lake	4088.91*	Max WS	21.89	21.86	0.03	0.00		1003.85	16901.91	420.28	1010.41
Hempstead Lake	4067.44*	Max WS	21.89	21.86	0.03	0.00		972.02	16921.26	432.57	1005.38
Hempstead Lake	4045.97*	Max WS	21.88	21.86	0.03	0.00		937.91	16942.86	444.85	1000.76
Hempstead Lake	4024.50*	Max WS	21.88	21.85	0.03	0.00		929.09	16923.58	456.52	996.54
Hempstead Lake	4003.034	Max WS	21.88	21.85	0.03	0.00		363.20	17478.80	467.15	992.68
Hempstead Lake	4002		Lat Struct								
Hempstead Lake	3984.01*	Max WS	21.88	21.85	0.03	0.00		719.10	16804.31	433.72	989.16
Hempstead Lake	3964.99*	Max WS	21.88	21.84	0.04	0.00		741.72	16801.74	413.55	1002.31
Hempstead Lake	3945.97*	Max WS	21.87	21.83	0.04	0.01		756.32	16787.86	396.70	1020.59
Hempstead Lake	3926.95*	Max WS	21.87	21.82	0.05	0.01		796.65	16762.05	382.12	1059.05
Hempstead Lake	3907.93*	Max WS	21.86	21.80	0.07	0.00		845.62	16696.74	398.27	1118.19
Hempstead Lake	3888.916	Max WS	21.86	21.77	0.09	0.00		375.40	17163.69	386.19	1103.66
Hempstead Lake	3883.916	Max WS	21.86	21.77	0.09			330.66	17216.99	381.82	1106.50
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	21.72	21.61	0.12	0.00		167.72	17533.24	143.84	1100.08
Hempstead Lake	3858.916	Max WS	21.72	21.60	0.12	0.01		185.30	17488.59	152.72	1101.46
Hempstead Lake	3826.579	Max WS	21.72	21.54	0.18	0.00		294.77	17377.31	136.08	1104.67
Hempstead Lake	3821.579	Max WS	21.72	21.53	0.19			318.83	17340.67	130.32	1105.30
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	21.66	21.48	0.18	0.00		906.74	16434.07	449.01	1180.53
Hempstead Lake	3736.579	Max WS	21.65	21.47	0.18	0.01		531.77	17099.71	158.29	1184.28
Hempstead Lake	3699.46*	Max WS	21.64	21.47	0.16	0.01		571.10	16944.37	273.90	1207.70
Hempstead Lake	3662.35*	Max WS	21.62	21.47	0.15	0.01		568.84	16750.62	469.54	1234.13
Hempstead Lake	3625.24*	Max WS	21.60	21.47	0.14	0.01		554.63	16518.70	715.31	1272.32
Hempstead Lake	3588.13*	Max WS	21.59	21.47	0.12	0.01		551.22	16195.98	1041.05	1310.87
Hempstead Lake	3551.028	Max WS	21.58	21.46	0.11	0.01		484.66	16026.81	1276.42	1345.33
Hempstead Lake	3531.67*	Max WS	21.57	21.46	0.11	0.01		585.80	15845.53	1356.32	1348.24
Hempstead Lake	3512.33*	Max WS	21.57	21.44	0.12	0.01		582.63	16022.27	1167.19	1344.48
Hempstead Lake	3492.98*	Max WS	21.56	21.43	0.13	0.01		576.85	16207.93	987.18	1334.34
Hempstead Lake	3473.63*	Max WS	21.55	21.41	0.14	0.01		568.09	16321.03	882.62	1284.82
Hempstead Lake	3454.28*	Max WS	21.55	21.39	0.16	0.01		558.01	16459.71	739.03	1270.29
Hempstead Lake	3434.93*	Max WS	21.54	21.37	0.17	0.01		539.44	16626.26	590.90	1258.12
Hempstead Lake	3415.58*	Max WS	21.53	21.35	0.18	0.01		524.28	16756.35	461.38	1246.41
Hempstead Lake	3396.239	Max WS	21.53	21.34	0.19	0.01		604.36	16718.02	419.54	1228.34
Hempstead Lake	3376.88*	Max WS	21.52	21.32	0.20	0.01		542.15	16847.79	351.82	1217.30
Hempstead Lake	3357.52*	Max WS	21.51	21.31	0.20	0.01		577.99	16811.51	352.03	1207.22
Hempstead Lake	3338.16*	Max WS	21.50	21.30	0.20	0.01		614.67	16757.60	355.58	1193.99
Hempstead Lake	3318.80*	Max WS	21.49	21.29	0.20	0.01		653.49	16708.79	365.53	1177.78
Hempstead Lake	3299.44*	Max WS	21.48	21.28	0.20	0.01		693.50	16656.67	377.55	1163.65

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3280.08*	Max WS	21.47	21.27	0.20	0.01		733.80	16604.43	389.37	1154.27
Hempstead Lake	3260.73*	Max WS	21.46	21.26	0.21	0.01		775.49	16548.03	403.90	1143.38
Hempstead Lake	3241.37*	Max WS	21.45	21.25	0.21	0.01		809.46	16502.16	415.61	1132.60
Hempstead Lake	3222.01*	Max WS	21.44	21.23	0.21	0.01		855.06	16427.05	432.77	1122.82
Hempstead Lake	3202.65*	Max WS	21.43	21.22	0.21	0.01		903.17	16359.54	452.13	1114.03
Hempstead Lake	3183.29*	Max WS	21.42	21.21	0.21	0.01		951.47	16292.38	470.86	1108.33
Hempstead Lake	3163.93*	Max WS	21.41	21.19	0.22	0.01		1002.44	16222.59	489.54	1101.64
Hempstead Lake	3144.581	Max WS	21.40	21.18	0.22	0.01		979.82	16262.73	471.81	1094.23
Hempstead Lake	3124.73*	Max WS	21.39	21.17	0.22	0.01		952.85	16308.53	441.59	1101.33
Hempstead Lake	3104.89*	Max WS	21.38	21.16	0.22	0.01		970.69	16302.11	430.08	1101.84
Hempstead Lake	3085.04*	Max WS	21.37	21.15	0.22	0.01		993.30	16290.23	419.25	1102.15
Hempstead Lake	3065.2*	Max WS	21.36	21.14	0.22	0.01		1015.16	16277.66	409.81	1141.49
Hempstead Lake	3045.35*	Max WS	21.35	21.13	0.22	0.01		1012.29	16293.32	396.84	1176.25
Hempstead Lake	3025.51*	Max WS	21.34	21.12	0.22	0.01		1024.34	16282.83	395.06	1210.04
Hempstead Lake	3005.66*	Max WS	21.33	21.11	0.22	0.01		1024.60	16269.88	397.49	1313.18
Hempstead Lake	2985.81*	Max WS	21.32	21.10	0.22	0.01		1003.02	16285.09	403.81	1346.46
Hempstead Lake	2965.974	Max WS	21.31	21.09	0.22	0.01		1077.63	16158.65	455.57	1374.82
Hempstead Lake	2951.87*	Max WS	21.30	21.09	0.21	0.01		1156.72	16067.09	468.00	1378.50
Hempstead Lake	2937.77*	Max WS	21.29	21.09	0.21	0.01		1165.50	16073.19	453.07	1382.45
Hempstead Lake	2923.67*	Max WS	21.28	21.08	0.20	0.01		1176.88	16075.04	439.78	1385.04
Hempstead Lake	2909.57*	Max WS	21.27	21.07	0.20	0.01		1185.16	16079.73	426.74	1388.10
Hempstead Lake	2895.47*	Max WS	21.27	21.07	0.20	0.01		1194.83	16080.78	415.96	1389.54
Hempstead Lake	2881.37*	Max WS	21.26	21.06	0.19	0.01		1202.13	16086.07	403.27	1392.86
Hempstead Lake	2867.27*	Max WS	21.25	21.06	0.19	0.01		1213.67	16085.70	392.02	1396.21
Hempstead Lake	2853.17*	Max WS	21.24	21.05	0.19	0.01		1216.52	16091.90	382.86	1401.87
Hempstead Lake	2839.07*	Max WS	21.23	21.05	0.19	0.01		1220.74	16094.96	375.47	1408.91
Hempstead Lake	2824.98*	Max WS	21.23	21.04	0.18	0.01		1223.73	16099.02	368.31	1415.30
Hempstead Lake	2810.88*	Max WS	21.22	21.04	0.18	0.01		1227.66	16101.90	361.37	1420.49
Hempstead Lake	2796.78*	Max WS	21.21	21.03	0.18	0.01		1234.60	16100.68	355.52	1426.15
Hempstead Lake	2782.68*	Max WS	21.20	21.03	0.17	0.01		1239.78	16102.32	348.57	1429.16
Hempstead Lake	2768.58*	Max WS	21.20	21.02	0.17	0.01		1247.38	16099.94	343.19	1431.63
Hempstead Lake	2754.48*	Max WS	21.19	21.02	0.17	0.01		1255.32	16101.37	333.66	1435.08
Hempstead Lake	2740.38*	Max WS	21.18	21.01	0.17	0.01		1262.59	16101.42	326.19	1439.08
Hempstead Lake	2726.28*	Max WS	21.17	21.01	0.16	0.01		1270.52	16099.12	320.40	1438.88
Hempstead Lake	2712.18*	Max WS	21.17	21.01	0.16	0.01		1272.22	16102.56	315.09	1440.63
Hempstead Lake	2698.08*	Max WS	21.16	21.00	0.16	0.01		1256.32	16124.15	309.22	1456.07
Hempstead Lake	2683.98*	Max WS	21.15	21.00	0.16	0.01		1261.19	16125.44	302.87	1457.67
Hempstead Lake	2669.88*	Max WS	21.15	20.99	0.16	0.01		1266.76	16125.14	297.41	1457.46
Hempstead Lake	2655.78*	Max WS	21.14	20.99	0.15	0.01		1278.48	16138.62	272.01	1510.76
Hempstead Lake	2641.68*	Max WS	21.13	20.98	0.15	0.01		1288.38	16177.32	223.21	1530.04
Hempstead Lake	2627.58*	Max WS	21.13	20.98	0.15	0.01		1291.53	16166.99	230.16	1496.66
Hempstead Lake	2613.48*	Max WS	21.12	20.97	0.15	0.01		1303.49	16150.65	234.31	1457.16
Hempstead Lake	2599.38*	Max WS	21.12	20.97	0.14	0.01		1317.88	16135.32	235.03	1413.60
Hempstead Lake	2585.29*	Max WS	21.11	20.97	0.14	0.01		1335.94	16118.44	233.63	1370.04
Hempstead Lake	2571.19*	Max WS	21.10	20.96	0.14	0.01		1345.91	16113.81	228.08	1326.49
Hempstead Lake	2557.091	Max WS	21.09	20.97	0.12	0.01		2037.07	15319.43	331.11	1282.93
Hempstead Lake	2552.091	Max WS	21.09	20.93	0.16			2515.08	14703.59	468.87	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	21.02	20.86	0.15	0.01		2624.18	14672.59	387.17	1282.93
Hempstead Lake	2487.091	Max WS	21.01	20.90	0.11	0.00		1906.68	15524.35	252.89	1282.93
Hempstead Lake	2477.12*	Max WS	21.00	20.88	0.12	0.00		1329.60	16140.85	213.44	1295.08
Hempstead Lake	2467.14*	Max WS	21.00	20.88	0.12	0.00		1389.78	16026.18	267.86	1307.22
Hempstead Lake	2457.17*	Max WS	21.00	20.87	0.12	0.00		1450.76	15903.01	329.99	1319.37
Hempstead Lake	2447.20*	Max WS	20.99	20.87	0.13	0.00		1514.04	15768.60	401.05	1331.51
Hempstead Lake	2437.23*	Max WS	20.99	20.87	0.11	0.01		1982.02	15095.86	605.76	1343.66
Hempstead Lake	2427.26*	Max WS	20.98	20.87	0.12	0.01		2038.56	14935.09	709.93	1355.81
Hempstead Lake	2417.29*	Max WS	20.98	20.86	0.12	0.00		2094.62	14766.30	822.61	1367.95
Hempstead Lake	2407.32*	Max WS	20.97	20.85	0.13	0.00		1771.44	15123.70	788.32	1370.69
Hempstead Lake	2397.35*	Max WS	20.97	20.84	0.13	0.00		1834.03	14904.91	944.44	1360.52
Hempstead Lake	2387.37*	Max WS	20.97	20.84	0.13	0.00		1897.03	14691.85	1094.43	1366.83
Hempstead Lake	2377.40*	Max WS	20.96	20.84	0.13	0.00		1960.93	14467.03	1255.27	1373.66
Hempstead Lake	2367.43*	Max WS	20.96	20.83	0.13	0.00		2030.49	14218.76	1433.89	1380.93
Hempstead Lake	2357.46*	Max WS	20.96	20.83	0.12	0.00		2092.68	13969.46	1620.92	1388.56
Hempstead Lake	2347.49*	Max WS	20.95	20.83	0.12	0.00		2154.05	13707.84	1821.09	1396.33
Hempstead Lake	2337.52*	Max WS	20.95	20.83	0.12	0.00		2215.03	13432.06	2035.81	1404.29
Hempstead Lake	2327.55*	Max WS	20.94	20.82	0.12	0.00		2263.75	13071.38	2347.68	1380.19
Hempstead Lake	2317.58*	Max WS	20.94	20.82	0.12	0.00		2319.86	12763.40	2599.47	1386.72
Hempstead Lake	2307.60*	Max WS	20.94	20.82	0.12	0.00		2376.50	12439.34	2866.81	1393.13
Hempstead Lake	2297.63*	Max WS	20.93	20.82	0.12	0.00		2429.73	12111.34	3141.49	1399.82
Hempstead Lake	2287.66*	Max WS	20.93	20.81	0.11	0.00		2481.23	11773.06	3428.20	1406.51
Hempstead Lake	2277.69*	Max WS	20.92	20.81	0.11	0.00		2530.24	11426.83	3725.34	1413.32
Hempstead Lake	2267.72*	Max WS	20.92	20.81	0.11	0.00		2576.73	11071.86	4033.76	1420.20

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

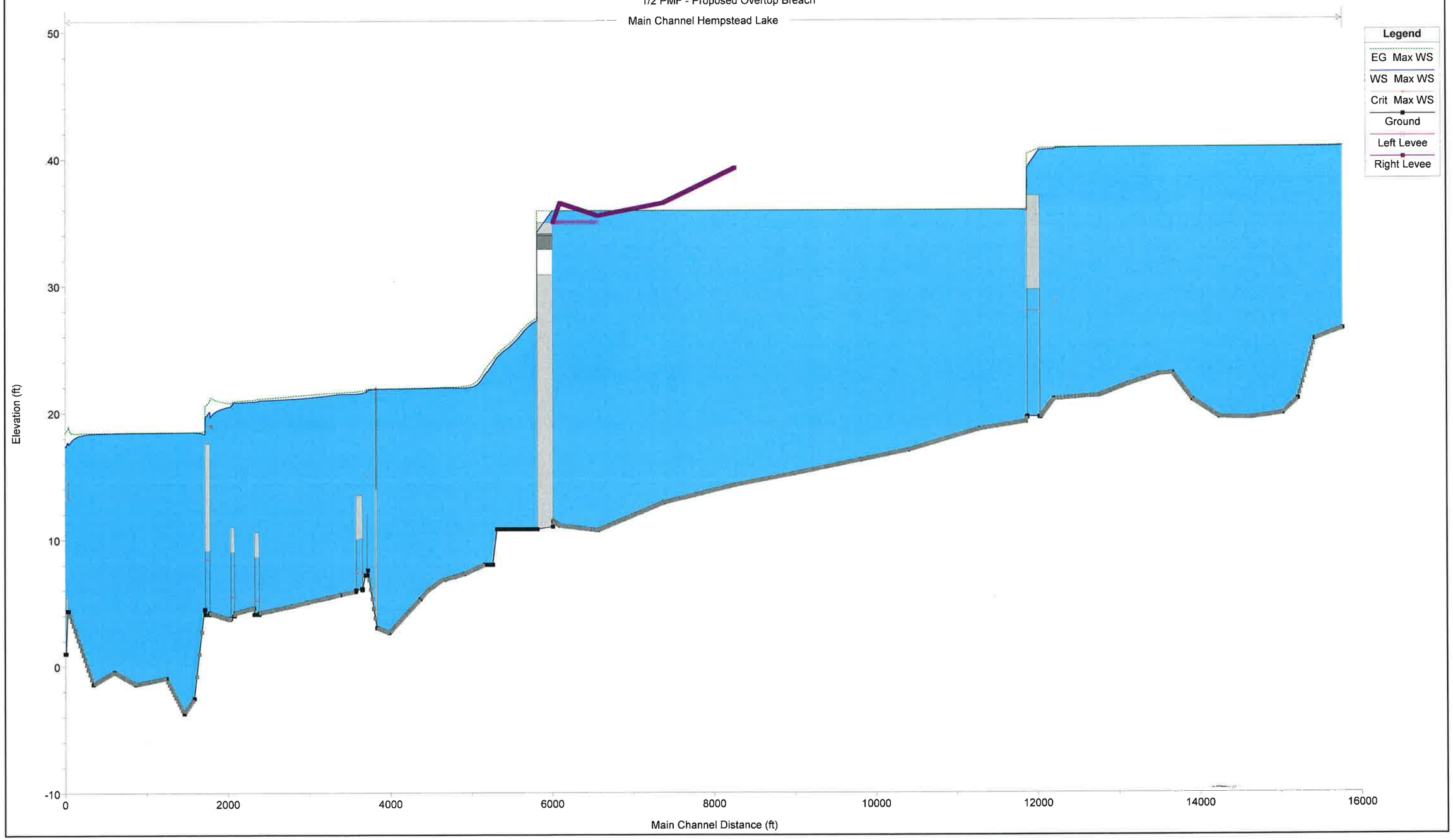
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2257.752	Max WS	20.90	20.83	0.07	0.00		3296.71	8928.91	5456.67	1427.96
Hempstead Lake	2252.75*	Max WS	20.90	20.81	0.09	0.00		3271.93	9217.82	5192.49	1415.97
Hempstead Lake	2247.752	Max WS	20.89	20.82	0.08			3877.72	7910.33	5894.16	1404.34
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	20.77	20.50	0.27	0.01		2995.50	8997.99	5688.73	1307.45
Hempstead Lake	2192.75*	Max WS	20.76	20.49	0.27	0.00		3371.84	9392.84	4916.99	1282.70
Hempstead Lake	2187.752	Max WS	20.78	20.48	0.30	0.00		3723.34	9523.11	4435.22	1254.07
Hempstead Lake	2178.63*	Max WS	20.78	20.47	0.31	0.00		3651.44	9652.52	4377.70	1269.26
Hempstead Lake	2169.52*	Max WS	20.79	20.45	0.34	0.00		3602.55	9849.55	4229.56	1292.14
Hempstead Lake	2160.40*	Max WS	20.80	20.44	0.36	0.00		3529.53	9984.68	4167.44	1304.71
Hempstead Lake	2151.29*	Max WS	20.81	20.43	0.38	0.00		3452.56	10116.01	4113.07	1315.87
Hempstead Lake	2142.17*	Max WS	20.82	20.41	0.40	0.01		3370.68	10247.51	4063.45	1326.77
Hempstead Lake	2133.05*	Max WS	20.82	20.39	0.43	0.01		3284.71	10378.11	4018.79	1346.23
Hempstead Lake	2123.94*	Max WS	20.83	20.38	0.46	0.01		3204.37	10521.12	3956.10	1372.13
Hempstead Lake	2114.82*	Max WS	20.85	20.35	0.50	0.01		3146.63	10782.70	3752.25	1369.23
Hempstead Lake	2105.71*	Max WS	20.87	20.34	0.53	0.01		3048.03	10887.19	3746.36	1366.19
Hempstead Lake	2096.59*	Max WS	20.87	20.32	0.55	0.01		2947.97	10996.66	3736.92	1363.43
Hempstead Lake	2087.48*	Max WS	20.89	20.30	0.59	0.01		2847.19	11108.61	3725.74	1359.89
Hempstead Lake	2078.36*	Max WS	20.90	20.28	0.62	0.01		2748.85	11219.77	3712.91	1355.61
Hempstead Lake	2069.25*	Max WS	20.91	20.26	0.65	0.01		2646.02	11337.43	3698.04	1351.45
Hempstead Lake	2060.13*	Max WS	20.92	20.23	0.69	0.01		2543.75	11457.56	3680.16	1347.32
Hempstead Lake	2051.01*	Max WS	20.94	20.21	0.73	0.01		2438.58	11582.22	3660.67	1343.52
Hempstead Lake	2041.90*	Max WS	20.96	20.18	0.78	0.01		2331.74	11710.98	3638.74	1339.52
Hempstead Lake	2032.78*	Max WS	20.98	20.15	0.83	0.01		2222.19	11847.14	3612.12	1336.39
Hempstead Lake	2023.67*	Max WS	21.00	20.11	0.89	0.01		2107.76	11987.65	3586.03	1331.20
Hempstead Lake	2014.55*	Max WS	21.02	20.07	0.95	0.01		1993.29	12128.98	3558.66	1323.67
Hempstead Lake	2005.44*	Max WS	21.05	20.03	1.02	0.01		1875.68	12277.00	3528.22	1315.79
Hempstead Lake	1996.32*	Max WS	21.08	19.99	1.09	0.01		1756.18	12433.83	3490.86	1306.38
Hempstead Lake	1987.20*	Max WS	21.11	19.93	1.18	0.02		1644.14	12594.77	3441.94	1290.67
Hempstead Lake	1978.09*	Max WS	21.15	19.87	1.28	0.02		1527.95	12774.13	3377.83	1272.41
Hempstead Lake	1968.97*	Max WS	21.20	19.80	1.39	0.02		1400.00	12971.26	3308.62	1254.22
Hempstead Lake	1959.86*	Max WS	21.19	19.72	1.47	0.02		1234.40	12924.34	3146.67	1235.03
Hempstead Lake	1950.747	Max WS	21.11	19.63	1.48	0.02		1046.68	12543.71	2906.41	1213.98
Hempstead Lake	1945.747	Max WS	20.88	20.08	0.80			1568.13	8028.55	8085.10	1328.50
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	18.55	18.35	0.20	0.01		305.30	4671.05	11774.84	1090.32
Hempstead Lake	1880.747	Max WS	18.57	18.31	0.27	0.01		119.27	12388.96	4242.90	1099.32
Hempstead Lake	1848.83*	Max WS	18.50	18.40	0.10	0.00		190.67	14940.88	1633.93	1232.74
Hempstead Lake	1816.92*	Max WS	18.48	18.44	0.04	0.00		255.32	15715.21	794.06	1358.63
Hempstead Lake	1785.01*	Max WS	18.48	18.45	0.02	0.00		332.50	16010.06	421.62	1430.05
Hempstead Lake	1753.104	Max WS	18.47	18.46	0.01	0.00		168.37	16486.52	119.13	1420.21
Hempstead Lake	1732.65*	Max WS	18.47	18.46	0.01	0.00		452.60	15872.20	448.19	1463.93
Hempstead Lake	1712.21*	Max WS	18.47	18.46	0.01	0.00		470.59	15709.12	592.27	1514.24
Hempstead Lake	1691.76*	Max WS	18.47	18.46	0.01	0.00		487.83	15512.77	770.43	1547.10
Hempstead Lake	1671.32*	Max WS	18.47	18.46	0.01	0.00		504.33	15289.17	976.62	1575.35
Hempstead Lake	1650.87*	Max WS	18.47	18.46	0.01	0.00		518.80	15040.64	1209.86	1601.90
Hempstead Lake	1630.434	Max WS	18.47	18.46	0.01	0.00		254.45	15414.64	1099.47	1627.59
Hempstead Lake	1610.36*	Max WS	18.47	18.46	0.01	0.00		544.58	14847.01	1376.36	1626.50
Hempstead Lake	1590.30*	Max WS	18.47	18.46	0.01	0.00		484.32	14991.77	1291.36	1624.99
Hempstead Lake	1570.23*	Max WS	18.47	18.46	0.01	0.00		426.70	15134.84	1205.54	1621.62
Hempstead Lake	1550.17*	Max WS	18.47	18.46	0.01	0.00		361.25	15285.86	1119.77	1617.72
Hempstead Lake	1530.10*	Max WS	18.47	18.45	0.01	0.00		309.68	15425.59	1032.77	1612.35
Hempstead Lake	1510.03*	Max WS	18.47	18.45	0.02	0.00		256.11	15581.27	929.40	1604.72
Hempstead Lake	1489.97*	Max WS	18.47	18.45	0.02	0.00		211.03	15710.05	844.58	1594.80
Hempstead Lake	1469.90*	Max WS	18.47	18.45	0.02	0.00		169.58	15833.66	761.44	1581.60
Hempstead Lake	1449.83*	Max WS	18.47	18.45	0.02	0.00		132.36	15949.34	682.19	1562.75
Hempstead Lake	1429.77*	Max WS	18.47	18.44	0.02	0.00		97.26	16057.97	608.06	1536.54
Hempstead Lake	1409.707	Max WS	18.47	18.44	0.02	0.00		42.29	16019.83	700.79	1524.32
Hempstead Lake	1389.03*	Max WS	18.46	18.43	0.03	0.00		50.22	17393.39	551.04	1519.74
Hempstead Lake	1368.35*	Max WS	18.46	18.43	0.03	0.00		55.18	17383.41	552.30	1516.61
Hempstead Lake	1347.67*	Max WS	18.46	18.43	0.03	0.00		60.16	17375.83	553.37	1513.70
Hempstead Lake	1326.99*	Max WS	18.46	18.43	0.03	0.00		65.15	17368.38	554.49	1528.56
Hempstead Lake	1306.32*	Max WS	18.46	18.43	0.03	0.00		72.53	17339.88	574.45	1551.24
Hempstead Lake	1285.64*	Max WS	18.46	18.43	0.03	0.00		77.78	17330.95	577.18	1578.41
Hempstead Lake	1264.96*	Max WS	18.46	18.43	0.03	0.00		83.13	17322.08	580.00	1604.70
Hempstead Lake	1244.28*	Max WS	18.46	18.43	0.03	0.00		68.85	17331.88	584.08	1845.12
Hempstead Lake	1223.61*	Max WS	18.46	18.43	0.03	0.00		73.65	17310.13	588.18	1958.74
Hempstead Lake	1202.93*	Max WS	18.46	18.43	0.03	0.00		78.61	17297.10	593.47	2012.84
Hempstead Lake	1182.25*	Max WS	18.46	18.43	0.03	0.00		93.91	17273.27	599.55	1990.37
Hempstead Lake	1161.57*	Max WS	18.46	18.43	0.03	0.00		109.90	17247.81	607.02	1967.13
Hempstead Lake	1140.90*	Max WS	18.46	18.43	0.03	0.00		126.78	17220.26	616.16	1941.40
Hempstead Lake	1120.22*	Max WS	18.46	18.43	0.03	0.00		148.69	17165.65	647.87	1912.60

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1099.54*	Max WS	18.46	18.43	0.03	0.00		167.23	17136.01	658.54	1887.98
Hempstead Lake	1078.87*	Max WS	18.46	18.43	0.03	0.00		185.64	17080.09	668.90	1864.44
Hempstead Lake	1058.19*	Max WS	18.46	18.42	0.03	0.00		205.41	17045.25	681.18	1839.71
Hempstead Lake	1037.515	Max WS	18.45	18.43	0.03	0.00		206.52	16515.49	1207.57	1814.41
Hempstead Lake	1017.08*	Max WS	18.45	18.42	0.03	0.00		496.58	16706.30	732.52	1824.18
Hempstead Lake	996.645*	Max WS	18.45	18.42	0.03	0.00		588.52	16521.07	824.75	1833.18
Hempstead Lake	976.210*	Max WS	18.45	18.42	0.03	0.00		685.23	16319.96	896.28	1841.02
Hempstead Lake	955.775*	Max WS	18.45	18.42	0.03	0.00		793.90	16115.80	988.46	1851.89
Hempstead Lake	935.340*	Max WS	18.45	18.42	0.03	0.00		894.80	15962.21	1038.52	1902.91
Hempstead Lake	914.905*	Max WS	18.45	18.42	0.03	0.00		1019.49	15751.80	1122.31	1941.89
Hempstead Lake	894.471*	Max WS	18.45	18.42	0.03	0.00		1159.04	15542.70	1190.81	1977.86
Hempstead Lake	874.036*	Max WS	18.45	18.42	0.03	0.00		1299.22	15266.32	1291.32	1989.06
Hempstead Lake	853.601*	Max WS	18.44	18.42	0.03	0.00		1429.83	15045.33	1378.49	1999.01
Hempstead Lake	833.166*	Max WS	18.44	18.42	0.03	0.00		1589.07	14775.74	1486.54	2007.72
Hempstead Lake	812.731*	Max WS	18.44	18.41	0.03	0.00		1773.98	14502.67	1573.41	2015.33
Hempstead Lake	792.296*	Max WS	18.44	18.41	0.03	0.00		1948.52	14186.63	1682.30	2021.36
Hempstead Lake	771.862	Max WS	18.44	18.41	0.03	0.00		923.84	15247.39	1642.83	2026.37
Hempstead Lake	750.331*	Max WS	18.44	18.41	0.03	0.00		1911.99	14272.61	1630.33	2047.46
Hempstead Lake	728.8*	Max WS	18.43	18.40	0.03	0.00		1697.64	14608.94	1507.02	2069.00
Hempstead Lake	707.269*	Max WS	18.43	18.40	0.03	0.00		1503.25	14924.36	1357.01	2090.33
Hempstead Lake	685.738*	Max WS	18.43	18.40	0.03	0.00		1313.64	15258.30	1208.78	2111.33
Hempstead Lake	664.207*	Max WS	18.43	18.39	0.04	0.00		1131.23	15584.85	1061.94	2132.24
Hempstead Lake	642.676*	Max WS	18.43	18.39	0.04	0.00		955.05	15885.78	935.98	2153.08
Hempstead Lake	621.145*	Max WS	18.42	18.38	0.04	0.00		793.12	16159.14	795.97	2174.11
Hempstead Lake	599.614*	Max WS	18.42	18.38	0.04	0.00		646.05	16432.98	664.22	2194.87
Hempstead Lake	578.083*	Max WS	18.42	18.37	0.05	0.00		513.52	16683.54	542.56	2215.62
Hempstead Lake	556.552*	Max WS	18.42	18.37	0.05	0.00		404.48	16889.44	443.86	2236.43
Hempstead Lake	535.021*	Max WS	18.42	18.37	0.05	0.00		307.66	17053.29	344.11	2258.22
Hempstead Lake	513.490	Max WS	18.42	18.37	0.05	0.00		207.52	17015.51	474.87	2279.98
Hempstead Lake	493.038*	Max WS	18.42	18.36	0.06	0.00		298.73	17388.16	328.30	2182.62
Hempstead Lake	472.587*	Max WS	18.42	18.35	0.07	0.00		322.27	17371.17	314.20	2085.78
Hempstead Lake	452.136*	Max WS	18.42	18.34	0.08	0.00		346.14	17359.10	299.54	1984.86
Hempstead Lake	431.685*	Max WS	18.42	18.32	0.10	0.00		370.68	17349.33	283.71	1885.50
Hempstead Lake	411.234*	Max WS	18.42	18.31	0.11	0.01		389.86	17336.95	267.40	1772.64
Hempstead Lake	390.783*	Max WS	18.42	18.29	0.13	0.01		412.09	17324.09	254.58	1668.23
Hempstead Lake	370.332*	Max WS	18.42	18.26	0.16	0.01		431.68	17292.93	239.38	1573.53
Hempstead Lake	349.881*	Max WS	18.41	18.22	0.19	0.01		446.20	17278.93	221.55	1485.06
Hempstead Lake	329.430*	Max WS	18.39	18.18	0.21	0.02		437.10	16432.38	192.44	1401.08
Hempstead Lake	308.979*	Max WS	18.39	18.13	0.26	0.02		435.03	16435.22	168.79	1319.60
Hempstead Lake	288.528*	Max WS	18.39	18.06	0.34	0.03		420.68	16385.14	142.14	1240.71
Hempstead Lake	268.077*	Max WS	18.40	17.96	0.44	0.04		383.67	16196.62	111.05	1163.10
Hempstead Lake	247.626*	Max WS	18.42	17.82	0.59	0.05		310.24	15954.55	75.63	1086.50
Hempstead Lake	227.175*	Max WS	18.50	17.66	0.84	0.05		215.87	15638.90	41.91	1011.53
Hempstead Lake	206.724	Max WS	18.96	17.50	1.46	0.01		110.24	16337.68	15.12	938.33
Hempstead Lake	201.724	Max WS	18.74	17.69	1.05			162.06	15940.47	22.83	941.84
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	18.51	17.35	1.17	0.01		6977.51	13886.50	4.07	908.99
Hempstead Lake	166.724	Max WS	18.43	17.43	1.01			6645.83	13196.99	6.19	918.17

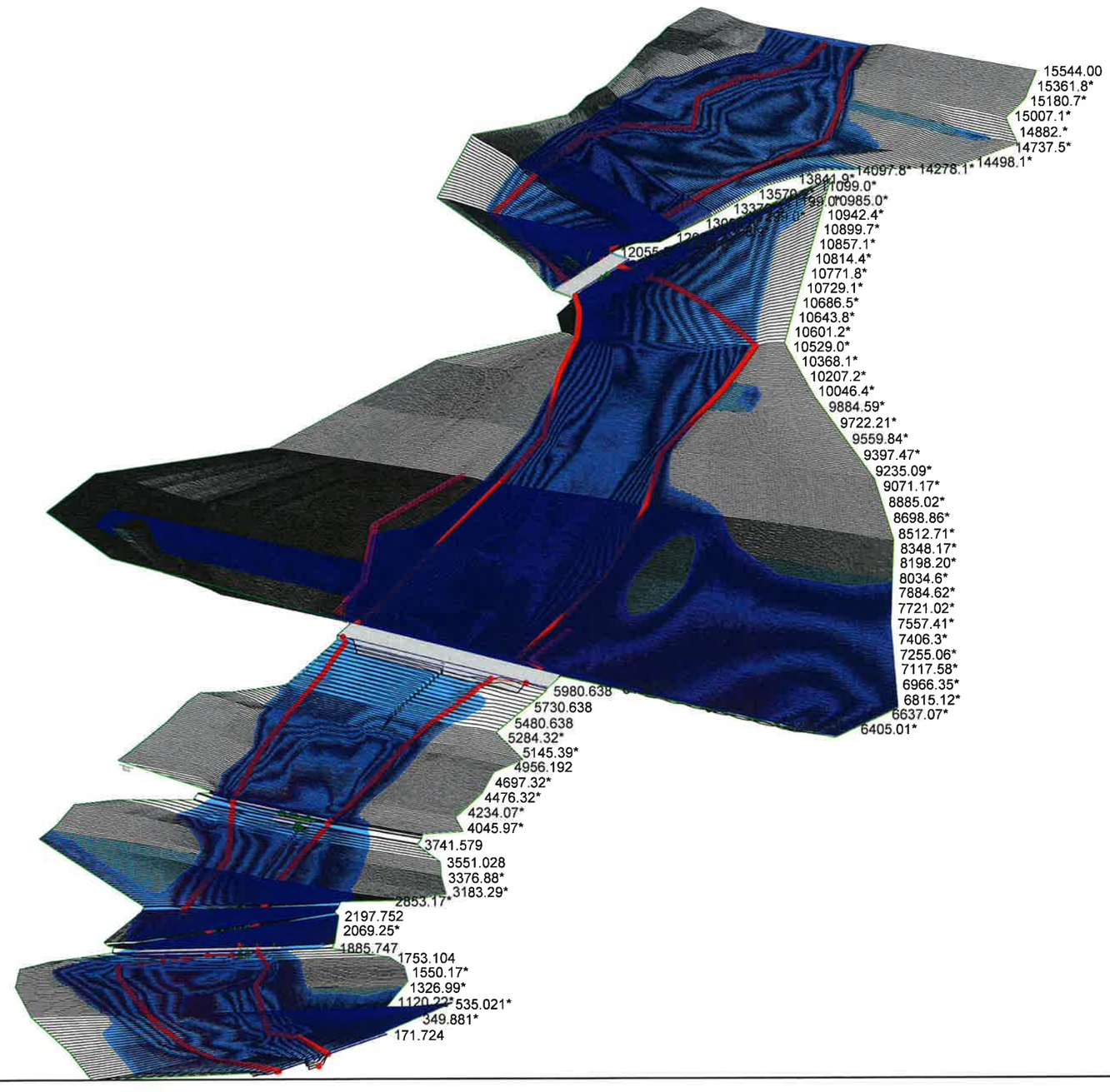
Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015

1/2 PMF - Proposed Overtop Breach



Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015

1/2 PMF - Proposed Overtop Breach



Proposed Half PMF Non-Breach 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	10322.07	26.48	40.84		40.88	0.000055	1.90	6393.09	734.80	0.10
Hempstead Lake	15523.7*	Max WS	10322.03	26.43	40.84		40.88	0.000283	1.81	6412.72	729.82	0.09
Hempstead Lake	15503.5*	Max WS	10321.98	26.38	40.83		40.87	0.000263	1.80	6427.50	722.10	0.09
Hempstead Lake	15483.3*	Max WS	10307.35	26.34	40.83		40.87	0.000237	1.79	6440.77	711.46	0.09
Hempstead Lake	15463.0*	Max WS	10307.30	26.29	40.82		40.86	0.000213	1.78	6453.60	700.73	0.09
Hempstead Lake	15442.8*	Max WS	10292.77	26.24	40.82		40.86	0.000197	1.77	6466.28	696.08	0.09
Hempstead Lake	15422.5*	Max WS	10292.74	26.19	40.82		40.86	0.000179	1.77	6477.23	696.60	0.09
Hempstead Lake	15402.3*	Max WS	10292.69	26.15	40.81		40.85	0.000162	1.78	6483.47	698.28	0.09
Hempstead Lake	15382.1*	Max WS	10278.35	26.10	40.81		40.85	0.000151	1.77	6487.71	699.62	0.09
Hempstead Lake	15361.8*	Max WS	10278.32	26.05	40.81		40.85	0.000135	1.78	6487.98	700.70	0.09
Hempstead Lake	15341.6*	Max WS	10278.28	26.00	40.80		40.84	0.000126	1.78	6485.61	701.36	0.09
Hempstead Lake	15321.4*	Max WS	10278.22	25.96	40.80		40.84	0.000112	1.78	6480.24	701.57	0.09
Hempstead Lake	15301.1*	Max WS	10264.10	25.91	40.80		40.84	0.000099	1.78	6471.96	701.32	0.09
Hempstead Lake	15280.9*	Max WS	10264.07	25.86	40.80		40.84	0.000091	1.78	6461.70	700.54	0.09
Hempstead Lake	15260.7*	Max WS	10264.03	25.81	40.80		40.84	0.000079	1.78	6449.05	699.12	0.09
Hempstead Lake	15240.4*	Max WS	10263.98	25.77	40.79		40.84	0.000068	1.78	6434.38	696.91	0.09
Hempstead Lake	15220.2*	Max WS	10263.91	25.72	40.79		40.84	0.000061	1.78	6417.65	693.69	0.09
Hempstead Lake	15200.02	Max WS	10263.84	25.67	40.79		40.83	0.000051	1.78	6401.12	689.55	0.09
Hempstead Lake	15180.7*	Max WS	10263.77	25.24	40.80		40.83	0.000056	1.70	6773.76	722.50	0.09
Hempstead Lake	15161.4*	Max WS	10263.72	24.82	40.80		40.83	0.000060	1.61	7172.15	753.25	0.08
Hempstead Lake	15142.1*	Max WS	10263.69	24.39	40.80		40.83	0.000063	1.53	7594.70	781.70	0.08
Hempstead Lake	15122.8*	Max WS	10277.25	23.96	40.80		40.83	0.000064	1.44	8037.22	808.10	0.07
Hempstead Lake	15103.5*	Max WS	10277.17	23.53	40.80		40.83	0.000064	1.36	8499.06	831.39	0.06
Hempstead Lake	15084.2*	Max WS	10277.11	23.11	40.81		40.83	0.000066	1.28	8979.12	853.60	0.06
Hempstead Lake	15064.9*	Max WS	10277.05	22.68	40.81		40.83	0.000065	1.21	9475.30	875.05	0.06
Hempstead Lake	15045.6*	Max WS	10276.99	22.25	40.81		40.83	0.000063	1.14	9987.84	896.68	0.05
Hempstead Lake	15026.4*	Max WS	10276.94	21.82	40.81		40.82	0.000062	1.08	10517.09	917.61	0.05
Hempstead Lake	15007.1*	Max WS	10276.88	21.40	40.81		40.82	0.000060	1.02	11060.51	938.32	0.05
Hempstead Lake	14987.82	Max WS	10276.84	20.97	40.81		40.82	0.000010	1.00	11620.73	958.87	0.04
Hempstead Lake	14966.6*	Max WS	10329.01	20.84	40.81		40.82	0.000056	0.96	11921.36	977.58	0.04
Hempstead Lake	14945.4*	Max WS	10328.96	20.72	40.81		40.82	0.000053	0.93	12227.04	995.58	0.04
Hempstead Lake	14924.3*	Max WS	10328.90	20.59	40.81		40.82	0.000049	0.90	12543.47	1012.96	0.04
Hempstead Lake	14903.1*	Max WS	10328.84	20.46	40.81		40.82	0.000046	0.88	12867.11	1029.89	0.04
Hempstead Lake	14882.*	Max WS	10328.77	20.34	40.81		40.82	0.000043	0.85	13200.70	1046.70	0.04
Hempstead Lake	14860.8*	Max WS	10328.69	20.21	40.81		40.82	0.000040	0.83	13543.08	1062.80	0.04
Hempstead Lake	14839.6*	Max WS	10328.61	20.08	40.81		40.82	0.000038	0.80	13894.00	1078.37	0.03
Hempstead Lake	14818.5*	Max WS	10328.51	19.96	40.81		40.82	0.000035	0.78	14289.34	1215.74	0.03
Hempstead Lake	14797.35	Max WS	10328.40	19.83	40.81		40.81	0.000006	0.78	14860.23	1394.36	0.03
Hempstead Lake	14777.4*	Max WS	10328.29	19.81	40.81		40.81	0.000029	0.74	15038.11	1374.53	0.03
Hempstead Lake	14757.4*	Max WS	10328.18	19.80	40.81		40.81	0.000026	0.73	15244.68	1277.03	0.03
Hempstead Lake	14737.5*	Max WS	10328.08	19.78	40.81		40.81	0.000023	0.71	15484.01	1225.89	0.03
Hempstead Lake	14717.5*	Max WS	10327.98	19.76	40.81		40.81	0.000021	0.70	15763.71	1164.79	0.03
Hempstead Lake	14697.6*	Max WS	10327.88	19.74	40.81		40.81	0.000019	0.69	16054.37	1180.11	0.03
Hempstead Lake	14677.6*	Max WS	10327.78	19.73	40.81		40.81	0.000017	0.68	16347.04	1195.98	0.03
Hempstead Lake	14657.7*	Max WS	10327.67	19.71	40.81		40.81	0.000015	0.67	16644.39	1212.50	0.03
Hempstead Lake	14637.7*	Max WS	10316.25	19.69	40.81		40.81	0.000013	0.65	16944.24	1235.75	0.03
Hempstead Lake	14617.8*	Max WS	10316.24	19.67	40.81		40.81	0.000012	0.64	17249.00	1258.51	0.03
Hempstead Lake	14597.8*	Max WS	10316.22	19.65	40.81		40.81	0.000011	0.63	17559.68	1293.06	0.03
Hempstead Lake	14577.9*	Max WS	10327.22	19.64	40.81		40.81	0.000009	0.62	17881.24	1388.19	0.03
Hempstead Lake	14557.9*	Max WS	10316.20	19.62	40.81		40.81	0.000008	0.61	18223.56	1439.14	0.03
Hempstead Lake	14538.0*	Max WS	10316.18	19.60	40.81		40.81	0.000007	0.60	18580.71	1500.52	0.02
Hempstead Lake	14518.0*	Max WS	10326.83	19.58	40.81		40.81	0.000006	0.59	18959.03	1546.55	0.02
Hempstead Lake	14498.1*	Max WS	10326.68	19.57	40.81		40.81	0.000005	0.58	19364.40	1616.21	0.02
Hempstead Lake	14478.1*	Max WS	10316.13	19.55	40.81		40.81	0.000005	0.57	19805.42	1663.47	0.02
Hempstead Lake	14458.2*	Max WS	10326.36	19.53	40.81		40.81	0.000004	0.56	20273.11	1721.24	0.02
Hempstead Lake	14438.2*	Max WS	10326.21	19.51	40.81		40.81	0.000003	0.56	20749.55	1740.83	0.02
Hempstead Lake	14418.3*	Max WS	10316.09	19.50	40.81		40.81	0.000003	0.55	21227.83	1758.53	0.02
Hempstead Lake	14398.37	Max WS	10325.87	19.48	40.81		40.81	0.000002	0.54	21712.39	1774.25	0.02
Hempstead Lake	14378.3*	Max WS	10316.05	19.48	40.81		40.81	0.000002	0.55	21479.03	1752.69	0.02
Hempstead Lake	14358.3*	Max WS	10316.02	19.49	40.81		40.81	0.000003	0.56	21240.42	1731.36	0.02
Hempstead Lake	14338.2*	Max WS	10315.99	19.49	40.81		40.81	0.000003	0.57	21006.66	1710.23	0.02
Hempstead Lake	14318.2*	Max WS	10315.96	19.49	40.81		40.81	0.000003	0.58	20769.90	1689.72	0.02
Hempstead Lake	14298.2*	Max WS	10315.92	19.49	40.81		40.81	0.000003	0.59	20532.65	1669.65	0.02
Hempstead Lake	14278.1*	Max WS	10315.89	19.50	40.81		40.81	0.000003	0.60	20297.00	1650.11	0.02
Hempstead Lake	14258.1*	Max WS	10315.87	19.50	40.81		40.81	0.000003	0.61	20061.65	1631.02	0.02
Hempstead Lake	14238.1*	Max WS	10315.83	19.50	40.81		40.81	0.000003	0.62	19827.33	1612.91	0.03
Hempstead Lake	14218.0*	Max WS	10315.78	19.50	40.81		40.81	0.000003	0.63	19593.28	1595.73	0.03
Hempstead Lake	14198.0*	Max WS	10315.74	19.51	40.81		40.81	0.000003	0.64	19363.57	1579.69	0.03
Hempstead Lake	14178.0*	Max WS	10315.69	19.51	40.80		40.81	0.000004	0.65	19136.91	1565.01	0.03
Hempstead Lake	14157.9*	Max WS	10315.65	19.51	40.80		40.81	0.000004	0.66	18915.76	1551.34	0.03
Hempstead Lake	14137.9*	Max WS	10315.61	19.51	40.80		40.81	0.000004	0.68	18710.44	1587.06	0.03
Hempstead Lake	14117.9*	Max WS	10315.56	19.52	40.80		40.81	0.000004	0.69	18542.00	1619.88	0.03
Hempstead Lake	14097.8*	Max WS	10315.49	19.52	40.80		40.81	0.000004	0.70	18386.53	1622.10	0.03
Hempstead Lake	14077.8*	Max WS	10315.43	19.52	40.80		40.81	0.000004	0.71	18238.69	1619.92	0.03
Hempstead Lake	14057.8*	Max WS	10315.37	19.52	40.80		40.81	0.000005	0.73	18094.93	1609.61	0.03
Hempstead Lake	14037.7*	Max WS	10315.31	19.53	40.80		40.81	0.000005	0.74	17953.17	1602.03	0.03
Hempstead Lake	14017.75	Max WS	10315.24	19.53	40.80		40.81	0.000005	0.75	17808.00	1601.20	0.03
Hempstead Lake	13998.2*	Max WS	10315.19	19.61	40.80		40.81	0.000006	0.73	17823.53	1594.05	0.03
Hempstead Lake	13978.6*	Max WS	10315.13	19.69	40.80		40.81	0.000006	0.72	17852.10	1586.31	0.03

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13959.1*	Max WS	10315.06	19.77	40.80		40.81	0.000006	0.71	17890.71	1579.05	0.03
Hempstead Lake	13939.6*	Max WS	10315.00	19.85	40.80		40.81	0.000006	0.69	17942.47	1567.33	0.03
Hempstead Lake	13920.0*	Max WS	10314.93	19.94	40.80		40.81	0.000005	0.68	18009.40	1556.30	0.03
Hempstead Lake	13900.5*	Max WS	10314.88	20.02	40.80		40.81	0.000005	0.67	18087.72	1545.40	0.03
Hempstead Lake	13881.*	Max WS	10314.82	20.10	40.80		40.81	0.000005	0.66	18180.43	1533.59	0.03
Hempstead Lake	13861.4*	Max WS	10314.75	20.18	40.80		40.81	0.000005	0.65	18288.67	1519.92	0.03
Hempstead Lake	13841.9*	Max WS	10314.69	20.26	40.80		40.81	0.000005	0.64	18409.40	1507.91	0.03
Hempstead Lake	13822.3*	Max WS	10314.63	20.34	40.80		40.81	0.000004	0.63	18539.69	1497.77	0.03
Hempstead Lake	13802.8*	Max WS	10314.58	20.42	40.80		40.81	0.000004	0.62	18682.02	1489.50	0.03
Hempstead Lake	13783.3*	Max WS	10314.53	20.50	40.80		40.81	0.000004	0.62	18830.79	1482.30	0.03
Hempstead Lake	13763.7*	Max WS	10314.48	20.59	40.80		40.81	0.000004	0.61	18988.14	1476.35	0.03
Hempstead Lake	13744.2*	Max WS	10314.42	20.67	40.80		40.81	0.000003	0.60	19151.13	1471.67	0.03
Hempstead Lake	13724.7*	Max WS	10314.37	20.75	40.80		40.81	0.000003	0.59	19321.68	1467.43	0.02
Hempstead Lake	13705.1*	Max WS	10314.32	20.83	40.80		40.81	0.000003	0.58	19494.15	1463.98	0.02
Hempstead Lake	13685.63	Max WS	10314.26	20.91	40.80		40.81	0.000003	0.57	19672.93	1461.27	0.02
Hempstead Lake	13666.4*	Max WS	10314.21	21.07	40.80		40.81	0.000003	0.57	19769.88	1474.72	0.02
Hempstead Lake	13647.1*	Max WS	10314.16	21.23	40.80		40.81	0.000003	0.57	19861.03	1471.92	0.02
Hempstead Lake	13627.9*	Max WS	10314.10	21.39	40.80		40.81	0.000003	0.57	19943.39	1468.92	0.02
Hempstead Lake	13608.7*	Max WS	10314.05	21.56	40.80		40.81	0.000003	0.56	20015.93	1465.89	0.02
Hempstead Lake	13589.5*	Max WS	10313.99	21.72	40.80		40.81	0.000003	0.56	20081.67	1462.93	0.02
Hempstead Lake	13570.2*	Max WS	10313.94	21.88	40.80		40.81	0.000003	0.56	20137.95	1460.02	0.02
Hempstead Lake	13551.0*	Max WS	10313.88	22.04	40.80		40.81	0.000003	0.56	20186.66	1457.21	0.02
Hempstead Lake	13531.8*	Max WS	10313.82	22.20	40.80		40.81	0.000003	0.56	20224.53	1454.17	0.02
Hempstead Lake	13512.6*	Max WS	10313.78	22.36	40.80		40.81	0.000003	0.56	20255.00	1451.08	0.02
Hempstead Lake	13493.3*	Max WS	10313.74	22.53	40.80		40.81	0.000003	0.56	20276.73	1448.33	0.02
Hempstead Lake	13474.1*	Max WS	10313.68	22.69	40.80		40.81	0.000003	0.56	20288.92	1445.89	0.02
Hempstead Lake	13454.9*	Max WS	10313.62	22.85	40.80		40.81	0.000003	0.56	20291.68	1443.75	0.02
Hempstead Lake	13435.72	Max WS	10313.57	23.01	40.80		40.81	0.000003	0.55	20286.94	1441.82	0.02
Hempstead Lake	13419.3*	Max WS	10313.51	23.00	40.80		40.81	0.000003	0.56	20263.23	1445.86	0.02
Hempstead Lake	13403.0*	Max WS	10313.45	23.00	40.80		40.81	0.000003	0.56	20245.97	1449.88	0.02
Hempstead Lake	13386.6*	Max WS	10313.40	22.99	40.80		40.81	0.000004	0.56	20233.27	1453.91	0.02
Hempstead Lake	13370.3*	Max WS	10313.35	22.98	40.80		40.81	0.000004	0.56	20226.41	1457.87	0.02
Hempstead Lake	13354.*	Max WS	10313.30	22.98	40.80		40.81	0.000004	0.56	20223.46	1461.80	0.02
Hempstead Lake	13337.6*	Max WS	10313.25	22.97	40.80		40.81	0.000004	0.56	20226.99	1465.73	0.02
Hempstead Lake	13321.3*	Max WS	10313.20	22.96	40.80		40.81	0.000004	0.56	20235.62	1469.56	0.02
Hempstead Lake	13304.9*	Max WS	10313.14	22.95	40.80		40.81	0.000004	0.56	20248.59	1473.41	0.02
Hempstead Lake	13288.6*	Max WS	10313.09	22.95	40.80		40.81	0.000004	0.55	20266.53	1477.23	0.02
Hempstead Lake	13272.29	Max WS	10313.04	22.94	40.80		40.81	0.000003	0.56	20290.69	1481.00	0.02
Hempstead Lake	13255.0*	Max WS	10312.97	22.90	40.80		40.81	0.000003	0.56	20255.51	1482.47	0.02
Hempstead Lake	13237.8*	Max WS	10312.91	22.87	40.80		40.81	0.000003	0.56	20224.05	1483.85	0.02
Hempstead Lake	13220.5*	Max WS	10312.85	22.83	40.80		40.81	0.000004	0.56	20197.61	1485.13	0.02
Hempstead Lake	13203.3*	Max WS	10312.78	22.80	40.80		40.81	0.000004	0.56	20173.77	1486.29	0.02
Hempstead Lake	13186.0*	Max WS	10312.72	22.76	40.80		40.81	0.000004	0.56	20154.32	1487.34	0.02
Hempstead Lake	13168.8*	Max WS	10312.65	22.72	40.80		40.81	0.000004	0.56	20138.94	1488.18	0.02
Hempstead Lake	13151.6*	Max WS	10312.59	22.69	40.80		40.81	0.000004	0.56	20126.53	1488.92	0.02
Hempstead Lake	13134.3*	Max WS	10312.52	22.65	40.80		40.81	0.000004	0.56	20118.64	1489.48	0.02
Hempstead Lake	13117.1*	Max WS	10312.45	22.62	40.80		40.81	0.000004	0.56	20115.25	1489.88	0.02
Hempstead Lake	13099.8*	Max WS	10312.39	22.58	40.80		40.81	0.000004	0.56	20115.99	1490.25	0.02
Hempstead Lake	13082.6*	Max WS	10312.33	22.55	40.80		40.81	0.000004	0.56	20119.58	1490.46	0.02
Hempstead Lake	13065.3*	Max WS	10312.26	22.51	40.80		40.81	0.000005	0.56	20129.15	1490.51	0.02
Hempstead Lake	13048.1*	Max WS	10312.19	22.47	40.80		40.81	0.000005	0.56	20142.23	1490.32	0.02
Hempstead Lake	13030.9*	Max WS	10312.13	22.44	40.80		40.81	0.000005	0.56	20158.63	1489.97	0.02
Hempstead Lake	13013.6*	Max WS	10312.06	22.40	40.80		40.81	0.000005	0.56	20179.75	1489.41	0.02
Hempstead Lake	12996.4*	Max WS	10311.99	22.37	40.80		40.81	0.000005	0.56	20206.31	1488.44	0.02
Hempstead Lake	12979.1*	Max WS	10311.92	22.33	40.80		40.81	0.000005	0.56	20234.81	1487.06	0.02
Hempstead Lake	12961.9*	Max WS	10311.86	22.29	40.80		40.81	0.000005	0.55	20271.38	1485.52	0.02
Hempstead Lake	12944.7*	Max WS	10311.79	22.26	40.80		40.81	0.000005	0.55	20309.81	1483.55	0.02
Hempstead Lake	12927.4*	Max WS	10311.72	22.22	40.80		40.81	0.000005	0.55	20354.56	1481.26	0.02
Hempstead Lake	12910.2*	Max WS	10311.64	22.19	40.80		40.81	0.000005	0.55	20404.06	1478.70	0.02
Hempstead Lake	12892.97	Max WS	10311.58	22.15	40.80		40.81	0.000003	0.55	20458.14	1475.75	0.02
Hempstead Lake	12881.0*	Max WS	12186.42	22.12	40.80		40.81	0.000005	0.65	20445.03	1472.71	0.03
Hempstead Lake	12869.1*	Max WS	12186.33	22.09	40.80		40.81	0.000005	0.65	20438.07	1469.20	0.03
Hempstead Lake	12857.1*	Max WS	12186.24	22.06	40.80		40.81	0.000005	0.65	20430.58	1465.42	0.03
Hempstead Lake	12845.2*	Max WS	12186.15	22.03	40.80		40.81	0.000005	0.65	20423.94	1461.60	0.03
Hempstead Lake	12833.3*	Max WS	12186.06	22.00	40.80		40.81	0.000004	0.65	20416.96	1457.61	0.03
Hempstead Lake	12821.4*	Max WS	12185.97	21.97	40.80		40.81	0.000004	0.65	20413.63	1453.48	0.03
Hempstead Lake	12809.4*	Max WS	12185.89	21.94	40.80		40.81	0.000004	0.65	20410.08	1449.07	0.03
Hempstead Lake	12797.5*	Max WS	12185.79	21.92	40.80		40.81	0.000004	0.65	20406.35	1444.58	0.03
Hempstead Lake	12785.6*	Max WS	12185.71	21.89	40.80		40.81	0.000004	0.65	20405.12	1439.72	0.03
Hempstead Lake	12773.7*	Max WS	12185.63	21.86	40.80		40.81	0.000004	0.65	20404.68	1435.34	0.03
Hempstead Lake	12761.7*	Max WS	12185.54	21.83	40.80		40.81	0.000004	0.65	20404.45	1431.56	0.03
Hempstead Lake	12749.8*	Max WS	12185.46	21.80	40.80		40.81	0.000004	0.65	20406.22	1427.68	0.03
Hempstead Lake	12737.9*	Max WS	12185.37	21.77	40.80		40.81	0.000004	0.65	20408.45	1423.86	0.03
Hempstead Lake	12726.0*	Max WS	12185.29	21.74	40.80		40.81	0.000004	0.65	20410.74	1420.25	0.03
Hempstead Lake	12714.0*	Max WS	12185.20	21.71	40.80		40.81	0.000004	0.65	20412.57	1417.15	0.03
Hempstead Lake	12702.1*	Max WS	12185.12	21.68	40.80		40.81	0.000004	0.65	20418.21	1413.97	0.03
Hempstead Lake	12690.2*	Max WS	12185.03	21.65	40.80		40.81	0.000004	0.65	20423.16	1411.68	0.03
Hempstead Lake	12678.3*	Max WS	12184.93	21.62	40.80		40.81	0.000004	0.65	20428.69	1409.54	0.03
Hempstead Lake	12666.3*	Max WS	12184.84	21.59	40.80		40.81	0.000004	0.65	20434.25	1407.33	0.03

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12654.4*	Max WS	12184.75	21.56	40.80		40.80	0.000004	0.65	20440.38	1405.15	0.03
Hempstead Lake	12642.5*	Max WS	12182.68	21.53	40.80		40.80	0.000004	0.65	20447.96	1403.07	0.03
Hempstead Lake	12630.6*	Max WS	12184.58	21.50	40.80		40.80	0.000004	0.65	20455.36	1400.93	0.03
Hempstead Lake	12618.6*	Max WS	12184.49	21.47	40.80		40.80	0.000004	0.65	20464.05	1398.83	0.03
Hempstead Lake	12606.7*	Max WS	12182.68	21.45	40.80		40.80	0.000004	0.65	20472.22	1396.78	0.03
Hempstead Lake	12594.8*	Max WS	12184.30	21.42	40.80		40.80	0.000004	0.65	20482.37	1394.72	0.03
Hempstead Lake	12582.9*	Max WS	12182.68	21.39	40.80		40.80	0.000004	0.65	20492.05	1392.64	0.03
Hempstead Lake	12570.9*	Max WS	12182.68	21.36	40.80		40.80	0.000004	0.65	20501.59	1390.64	0.03
Hempstead Lake	12559.0*	Max WS	12184.01	21.33	40.80		40.80	0.000004	0.65	20512.13	1388.61	0.03
Hempstead Lake	12547.1*	Max WS	12183.92	21.30	40.80		40.80	0.000004	0.65	20524.07	1386.58	0.03
Hempstead Lake	12535.2*	Max WS	12183.83	21.27	40.80		40.80	0.000004	0.65	20536.75	1384.63	0.03
Hempstead Lake	12523.27	Max WS	12183.73	21.24	40.80		40.80	0.000004	0.65	20548.22	1382.62	0.03
Hempstead Lake	12515.8*	Max WS	12904.81	21.24	40.80		40.80	0.000005	0.69	20391.08	1369.15	0.03
Hempstead Lake	12508.3*	Max WS	12904.81	21.24	40.80		40.80	0.000006	0.69	20236.66	1355.64	0.03
Hempstead Lake	12500.9*	Max WS	12906.27	21.23	40.80		40.80	0.000007	0.70	20082.84	1342.10	0.03
Hempstead Lake	12493.4*	Max WS	12906.22	21.23	40.80		40.80	0.000007	0.70	19929.33	1328.46	0.03
Hempstead Lake	12486.0*	Max WS	12904.80	21.23	40.80		40.80	0.000008	0.70	19778.04	1314.70	0.03
Hempstead Lake	12478.5*	Max WS	12904.80	21.23	40.80		40.80	0.000009	0.70	19626.43	1300.90	0.03
Hempstead Lake	12471.1*	Max WS	12904.79	21.23	40.80		40.80	0.000010	0.71	19475.99	1287.01	0.03
Hempstead Lake	12463.7*	Max WS	12906.01	21.23	40.80		40.80	0.000011	0.71	19326.53	1272.92	0.03
Hempstead Lake	12456.2*	Max WS	12904.78	21.22	40.80		40.80	0.000012	0.71	19178.46	1258.50	0.03
Hempstead Lake	12448.8*	Max WS	12905.91	21.22	40.80		40.80	0.000013	0.71	19030.45	1243.78	0.03
Hempstead Lake	12441.3*	Max WS	12905.86	21.22	40.80		40.80	0.000014	0.72	18883.40	1229.75	0.03
Hempstead Lake	12433.9*	Max WS	12904.76	21.22	40.80		40.80	0.000015	0.72	18737.51	1215.69	0.03
Hempstead Lake	12426.4*	Max WS	12904.75	21.22	40.80		40.80	0.000017	0.72	18594.41	1201.56	0.03
Hempstead Lake	12419.0*	Max WS	12904.75	21.21	40.79		40.80	0.000018	0.73	18450.18	1186.87	0.03
Hempstead Lake	12411.5*	Max WS	12905.67	21.21	40.79		40.80	0.000019	0.73	18308.26	1172.12	0.03
Hempstead Lake	12404.1*	Max WS	12904.74	21.21	40.79		40.80	0.000021	0.73	18167.27	1157.18	0.03
Hempstead Lake	12396.6*	Max WS	12904.73	21.21	40.79		40.80	0.000022	0.74	18027.44	1141.93	0.03
Hempstead Lake	12389.2*	Max WS	12905.53	21.21	40.79		40.80	0.000023	0.74	17889.81	1126.48	0.03
Hempstead Lake	12381.8*	Max WS	12904.72	21.21	40.79		40.80	0.000025	0.74	17753.20	1110.20	0.03
Hempstead Lake	12374.3*	Max WS	12904.71	21.20	40.79		40.80	0.000027	0.75	17618.20	1093.75	0.03
Hempstead Lake	12366.9*	Max WS	12904.70	21.20	40.79		40.80	0.000028	0.75	17485.88	1076.88	0.03
Hempstead Lake	12359.46	Max WS	12904.69	21.20	40.79		40.80	0.000006	0.77	17355.02	1059.80	0.03
Hempstead Lake	12350.7*	Max WS	13401.04	21.20	40.79		40.80	0.000033	0.80	17056.95	1046.72	0.03
Hempstead Lake	12342.0*	Max WS	13401.03	21.19	40.79		40.80	0.000034	0.81	16762.77	1033.72	0.03
Hempstead Lake	12333.3*	Max WS	13401.01	21.19	40.79		40.80	0.000035	0.83	16469.30	1020.57	0.03
Hempstead Lake	12324.7*	Max WS	13401.00	21.18	40.79		40.80	0.000036	0.84	16178.83	1007.38	0.04
Hempstead Lake	12316.0*	Max WS	13400.98	21.18	40.79		40.80	0.000037	0.86	15891.32	994.29	0.04
Hempstead Lake	12307.3*	Max WS	13400.97	21.17	40.79		40.80	0.000038	0.87	15605.10	981.03	0.04
Hempstead Lake	12298.6*	Max WS	13400.96	21.17	40.79		40.80	0.000039	0.89	15321.24	967.75	0.04
Hempstead Lake	12289.9*	Max WS	13400.94	21.16	40.79		40.80	0.000039	0.91	15040.01	954.57	0.04
Hempstead Lake	12281.2*	Max WS	13400.93	21.16	40.79		40.80	0.000040	0.93	14761.12	941.28	0.04
Hempstead Lake	12272.5*	Max WS	13400.91	21.15	40.78		40.80	0.000041	0.94	14483.61	927.99	0.04
Hempstead Lake	12263.8*	Max WS	13400.90	21.15	40.78		40.80	0.000042	0.96	14209.65	914.77	0.04
Hempstead Lake	12255.1*	Max WS	13400.88	21.14	40.78		40.80	0.000043	0.98	13936.30	901.45	0.04
Hempstead Lake	12246.4*	Max WS	13400.87	21.14	40.78		40.80	0.000045	1.00	13665.51	888.12	0.04
Hempstead Lake	12237.7*	Max WS	13400.85	21.13	40.78		40.80	0.000046	1.02	13398.19	874.79	0.04
Hempstead Lake	12229.1*	Max WS	13400.84	21.13	40.78		40.80	0.000047	1.05	13131.52	861.43	0.04
Hempstead Lake	12220.4*	Max WS	13400.82	21.12	40.78		40.80	0.000049	1.07	12867.92	847.97	0.05
Hempstead Lake	12211.7*	Max WS	13400.80	21.12	40.78		40.80	0.000050	1.09	12606.30	834.62	0.05
Hempstead Lake	12203.0*	Max WS	13400.78	21.11	40.78		40.79	0.000051	1.12	12346.96	821.11	0.05
Hempstead Lake	12194.3*	Max WS	13400.76	21.11	40.77		40.79	0.000053	1.14	12088.92	807.69	0.05
Hempstead Lake	12185.6*	Max WS	13400.75	21.10	40.77		40.79	0.000055	1.17	11834.67	793.88	0.05
Hempstead Lake	12176.9*	Max WS	13400.73	21.10	40.77		40.79	0.000056	1.19	11581.00	780.11	0.05
Hempstead Lake	12168.2*	Max WS	13400.70	21.10	40.77		40.79	0.000057	1.22	11329.74	768.63	0.05
Hempstead Lake	12159.5*	Max WS	13400.69	21.09	40.77		40.79	0.000059	1.25	11082.40	756.52	0.05
Hempstead Lake	12150.8*	Max WS	13400.67	21.09	40.77		40.79	0.000060	1.28	10835.82	744.25	0.06
Hempstead Lake	12142.1*	Max WS	13400.65	21.08	40.77		40.79	0.000052	1.32	10592.27	731.86	0.06
Hempstead Lake	12133.5*	Max WS	13400.63	21.08	40.76		40.79	0.000053	1.35	10350.29	719.44	0.06
Hempstead Lake	12124.8*	Max WS	13400.61	21.07	40.76		40.79	0.000054	1.38	10111.85	706.77	0.06
Hempstead Lake	12116.1*	Max WS	13400.59	21.07	40.76		40.79	0.000055	1.42	9874.32	693.88	0.06
Hempstead Lake	12107.4*	Max WS	13400.57	21.06	40.76		40.79	0.000056	1.46	9639.77	680.94	0.06
Hempstead Lake	12098.7*	Max WS	13400.55	21.06	40.76		40.79	0.000057	1.49	9406.86	667.75	0.07
Hempstead Lake	12090.0*	Max WS	13400.53	21.05	40.75		40.79	0.000058	1.53	9176.50	654.42	0.07
Hempstead Lake	12081.3*	Max WS	13400.52	21.05	40.75		40.79	0.000059	1.58	8948.11	641.09	0.07
Hempstead Lake	12072.6*	Max WS	13400.50	21.04	40.75		40.79	0.000060	1.62	8721.88	627.48	0.07
Hempstead Lake	12063.9*	Max WS	13400.48	21.04	40.75		40.79	0.000061	1.67	8497.21	613.88	0.07
Hempstead Lake	12055.2*	Max WS	13400.46	21.03	40.74		40.79	0.000059	1.71	8275.20	600.01	0.08
Hempstead Lake	12046.5*	Max WS	13400.45	21.03	40.74		40.79	0.000060	1.76	8054.66	585.99	0.08
Hempstead Lake	12037.9*	Max WS	13400.42	21.02	40.74		40.79	0.000061	1.82	7836.49	572.09	0.08
Hempstead Lake	12029.2*	Max WS	13400.40	21.02	40.73		40.79	0.000061	1.87	7619.94	558.05	0.08
Hempstead Lake	12020.5*	Max WS	13400.38	21.01	40.73		40.79	0.000062	1.93	7405.96	544.06	0.09
Hempstead Lake	12011.8*	Max WS	13400.36	21.01	40.73		40.79	0.000062	1.99	7192.91	529.76	0.09
Hempstead Lake	12003.1*	Max WS	13400.34	21.00	40.72		40.78	0.000063	2.05	6983.14	515.31	0.09
Hempstead Lake	11994.45	Max WS	13400.32	21.00	40.72		40.78	0.000087	2.12	6773.97	500.87	0.09
Hempstead Lake	11989.45	Max WS	13896.34	21.00	40.70	28.57	40.78	0.000103	2.26	6591.66	499.83	0.10
Hempstead Lake	11979.45		Inl Struct									
Hempstead Lake	11969.45	Max WS	13896.34	21.00	40.65		40.73	0.000210	2.37	6246.72	495.93	0.11

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11964.45	Max WS	13896.33	21.00	40.65		40.73	0.000263	2.40	6172.12	495.60	0.11
Hempstead Lake	11954.6*	Max WS	13896.33	20.92	40.64		40.73	0.000093	2.49	6115.12	504.33	0.12
Hempstead Lake	11944.8*	Max WS	13896.32	20.83	40.63		40.73	0.000099	2.52	6062.50	514.79	0.12
Hempstead Lake	11934.9*	Max WS	13896.31	20.75	40.63		40.73	0.000106	2.55	6011.23	525.73	0.12
Hempstead Lake	11925.1*	Max WS	13896.29	20.66	40.63		40.73	0.000113	2.59	5962.82	537.16	0.12
Hempstead Lake	11915.3*	Max WS	13896.28	20.58	40.62		40.73	0.000121	2.63	5916.69	548.14	0.13
Hempstead Lake	11905.5*	Max WS	13896.27	20.49	40.62		40.73	0.000129	2.67	5873.41	559.21	0.13
Hempstead Lake	11895.6*	Max WS	13896.26	20.41	40.62		40.73	0.000139	2.71	5832.62	571.08	0.13
Hempstead Lake	11885.8*	Max WS	13896.25	20.32	40.61		40.73	0.000149	2.75	5795.94	583.19	0.14
Hempstead Lake	11876.0*	Max WS	13896.23	20.24	40.61		40.72	0.000160	2.79	5762.95	595.90	0.14
Hempstead Lake	11866.2*	Max WS	13896.22	20.15	40.61		40.72	0.000172	2.83	5733.36	602.85	0.14
Hempstead Lake	11856.4*	Max WS	13896.20	20.07	40.60		40.72	0.000184	2.87	5702.56	604.50	0.15
Hempstead Lake	11846.5*	Max WS	13896.19	19.98	40.60		40.72	0.000198	2.91	5669.54	606.16	0.15
Hempstead Lake	11836.7*	Max WS	13896.17	19.90	40.59		40.72	0.000213	2.96	5634.08	607.82	0.15
Hempstead Lake	11826.9*	Max WS	13896.16	19.81	40.59		40.72	0.000230	3.00	5596.55	609.47	0.16
Hempstead Lake	11817.1*	Max WS	13896.14	19.73	40.59		40.72	0.000249	3.04	5555.71	611.13	0.16
Hempstead Lake	11807.2*	Max WS	13896.12	19.64	40.58		40.71	0.000270	3.08	5513.85	612.78	0.17
Hempstead Lake	11797.46	Max WS	13896.10	19.56	40.58		40.71	0.000194	3.15	5467.62	614.44	0.17
Hempstead Lake	11792.46	Max WS	13896.09	19.56	40.57		40.71	0.000194	3.19	5426.35	614.44	0.17
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	1731.29	19.54	36.02		36.05	0.000108	1.46	1296.21	614.44	0.17
Hempstead Lake	11627.46	Max WS	1731.28	19.54	36.02		36.05	0.000091	1.35	1393.55	614.44	0.15
Hempstead Lake	11623.2*	Max WS	1732.63	19.43	36.03		36.05	0.000612	1.22	1511.36	645.38	0.13
Hempstead Lake	11619.1*	Max WS	1732.62	19.31	36.03		36.05	0.000499	1.14	1626.21	670.69	0.12
Hempstead Lake	11614.94	Max WS	1731.28	19.20	36.03		36.04	0.000058	1.10	1748.21	685.44	0.11
Hempstead Lake	11612.94	Max WS	1732.62	19.20	36.03		36.04	0.000054	1.08	1787.36	686.26	0.11
Hempstead Lake	11606.9*	Max WS	1732.62	19.20	36.03		36.04	0.000317	0.99	1885.09	688.94	0.10
Hempstead Lake	11600.94	Max WS	1732.61	19.20	36.03		36.04	0.000047	0.96	1981.02	691.38	0.09
Hempstead Lake	11598.94	Max WS	1732.61	19.20	36.03		36.04	0.000046	0.92	2068.99	692.30	0.09
Hempstead Lake	11573.9*	Max WS	1733.92	19.18	36.03		36.04	0.000017	0.69	2779.82	766.62	0.06
Hempstead Lake	11548.9*	Max WS	1735.20	19.15	36.04		36.04	0.000011	0.56	3538.31	840.28	0.04
Hempstead Lake	11523.9*	Max WS	1736.43	19.12	36.04		36.04	0.000008	0.46	4343.85	915.99	0.03
Hempstead Lake	11498.9*	Max WS	1735.16	19.10	36.04		36.04	0.000006	0.39	5196.06	992.99	0.03
Hempstead Lake	11473.9*	Max WS	2040.89	19.08	36.04		36.04	0.000007	0.39	6095.62	1070.78	0.02
Hempstead Lake	11448.9*	Max WS	2040.88	19.05	36.04		36.04	0.000005	0.33	7039.80	1149.03	0.02
Hempstead Lake	11423.9*	Max WS	2040.86	19.02	36.04		36.04	0.000004	0.29	8030.71	1227.80	0.02
Hempstead Lake	11398.9*	Max WS	2040.84	19.00	36.04		36.04	0.000003	0.25	9068.64	1298.69	0.01
Hempstead Lake	11373.9*	Max WS	2040.82	18.98	36.04		36.04	0.000003	0.22	10153.77	1369.84	0.01
Hempstead Lake	11349.*	Max WS	2040.79	18.95	36.04		36.04	0.000002	0.19	11285.46	1441.61	0.01
Hempstead Lake	11324.*	Max WS	2040.77	18.92	36.04		36.04	0.000002	0.17	12466.77	1513.51	0.01
Hempstead Lake	11299.0*	Max WS	2042.61	18.90	36.04		36.04	0.000001	0.15	13691.37	1585.27	0.01
Hempstead Lake	11274.0*	Max WS	2042.50	18.88	36.04		36.04	0.000001	0.13	14966.09	1657.50	0.01
Hempstead Lake	11249.0*	Max WS	2042.39	18.85	36.04		36.04	0.000001	0.11	16288.64	1682.25	0.01
Hempstead Lake	11224.0*	Max WS	2040.71	18.83	36.04		36.04	0.000001	0.10	17665.67	1736.13	0.00
Hempstead Lake	11199.0*	Max WS	2042.19	18.80	36.04		36.04	0.000000	0.09	19088.27	1799.48	0.00
Hempstead Lake	11174.0*	Max WS	2040.68	18.77	36.04		36.04	0.000000	0.08	20560.63	1862.95	0.00
Hempstead Lake	11149.0*	Max WS	2040.65	18.75	36.04		36.04	0.000000	0.07	22081.47	1928.08	0.00
Hempstead Lake	11124.0*	Max WS	2041.86	18.73	36.04		36.04	0.000000	0.06	23650.11	1997.51	0.00
Hempstead Lake	11099.0*	Max WS	2040.61	18.70	36.04		36.04	0.000000	0.05	25264.86	2067.45	0.00
Hempstead Lake	11074.0*	Max WS	2040.58	18.67	36.04		36.04	0.000000	0.05	26930.71	2137.31	0.00
Hempstead Lake	11049.07	Max WS	2040.55	18.65	36.04		36.04	0.000000	0.08	28640.96	2207.20	0.00
Hempstead Lake	11038.4*	Max WS	2040.53	18.61	36.04		36.04	0.000000	0.04	27940.11	2181.64	0.00
Hempstead Lake	11027.7*	Max WS	2041.32	18.58	36.04		36.04	0.000000	0.05	27258.06	2155.94	0.00
Hempstead Lake	11017.0*	Max WS	2040.51	18.54	36.04		36.04	0.000000	0.05	26591.58	2130.36	0.00
Hempstead Lake	11006.4*	Max WS	2040.50	18.50	36.04		36.04	0.000000	0.05	25941.41	2104.80	0.00
Hempstead Lake	10995.7*	Max WS	2041.07	18.47	36.04		36.04	0.000000	0.06	25312.28	2080.07	0.00
Hempstead Lake	10985.0*	Max WS	2040.98	18.43	36.04		36.04	0.000000	0.06	24699.13	2056.47	0.00
Hempstead Lake	10974.4*	Max WS	2040.46	18.39	36.04		36.04	0.000000	0.06	24102.54	2032.74	0.00
Hempstead Lake	10963.7*	Max WS	2040.82	18.35	36.04		36.04	0.000000	0.07	23525.10	2007.21	0.00
Hempstead Lake	10953.1*	Max WS	2040.74	18.32	36.04		36.04	0.000000	0.07	22967.48	1933.81	0.00
Hempstead Lake	10942.4*	Max WS	2040.43	18.28	36.04		36.04	0.000000	0.07	22441.46	1810.62	0.00
Hempstead Lake	10931.7*	Max WS	2040.61	18.24	36.04		36.04	0.000000	0.08	21939.68	1772.97	0.00
Hempstead Lake	10921.1*	Max WS	2040.40	18.21	36.04		36.04	0.000000	0.08	21457.33	1753.29	0.00
Hempstead Lake	10910.4*	Max WS	2040.37	18.17	36.04		36.04	0.000000	0.09	20992.40	1733.91	0.00
Hempstead Lake	10899.7*	Max WS	2040.41	18.13	36.04		36.04	0.000000	0.09	20539.67	1714.67	0.00
Hempstead Lake	10889.1*	Max WS	2040.35	18.10	36.04		36.04	0.000000	0.10	20104.69	1695.83	0.00
Hempstead Lake	10878.4*	Max WS	2040.33	18.06	36.04		36.04	0.000000	0.10	19684.48	1676.84	0.00
Hempstead Lake	10867.8*	Max WS	2040.21	18.02	36.04		36.04	0.000000	0.11	19280.79	1657.85	0.00
Hempstead Lake	10857.1*	Max WS	2040.31	17.99	36.04		36.04	0.000000	0.11	18891.68	1639.10	0.01
Hempstead Lake	10846.4*	Max WS	2040.30	17.95	36.04		36.04	0.000001	0.11	18520.62	1620.26	0.01
Hempstead Lake	10835.8*	Max WS	2040.28	17.91	36.04		36.04	0.000001	0.12	18162.74	1601.49	0.01
Hempstead Lake	10825.1*	Max WS	2040.26	17.88	36.04		36.04	0.000001	0.12	17821.79	1582.95	0.01
Hempstead Lake	10814.4*	Max WS	2040.24	17.84	36.04		36.04	0.000001	0.12	17497.27	1564.29	0.01
Hempstead Lake	10803.8*	Max WS	2039.81	17.80	36.04		36.04	0.000001	0.13	17186.89	1545.78	0.01
Hempstead Lake	10793.1*	Max WS	2040.21	17.76	36.04		36.04	0.000001	0.13	16894.24	1527.30	0.01
Hempstead Lake	10782.4*	Max WS	2040.19	17.73	36.04		36.04	0.000001	0.13	16615.07	1508.87	0.01
Hempstead Lake	10771.8*	Max WS	2039.61	17.69	36.04		36.04	0.000001	0.14	16352.72	1490.61	0.01
Hempstead Lake	10761.1*	Max WS	2040.15	17.65	36.04		36.04	0.000001	0.14	16107.40	1472.36	0.01
Hempstead Lake	10750.5*	Max WS	2039.48	17.62	36.04		36.04	0.000001	0.14	15874.95	1454.12	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10739.8*	Max WS	2040.13	17.58	36.04		36.04	0.000001	0.14	15659.16	1435.99	0.01
Hempstead Lake	10729.1*	Max WS	2040.11	17.54	36.04		36.04	0.000001	0.14	15459.59	1417.92	0.01
Hempstead Lake	10718.5*	Max WS	2039.28	17.51	36.04		36.04	0.000001	0.14	15273.41	1400.00	0.01
Hempstead Lake	10707.8*	Max WS	2040.07	17.47	36.04		36.04	0.000001	0.14	15105.84	1382.28	0.01
Hempstead Lake	10697.1*	Max WS	2040.05	17.43	36.04		36.04	0.000000	0.14	14951.23	1364.46	0.01
Hempstead Lake	10686.5*	Max WS	2039.09	17.40	36.04		36.04	0.000000	0.14	14813.95	1346.46	0.01
Hempstead Lake	10675.8*	Max WS	2040.01	17.36	36.04		36.04	0.000000	0.14	14690.80	1328.10	0.01
Hempstead Lake	10665.2*	Max WS	2039.99	17.32	36.04		36.04	0.000000	0.15	14583.36	1310.20	0.01
Hempstead Lake	10654.5*	Max WS	2039.96	17.29	36.04		36.04	0.000000	0.15	14490.87	1292.47	0.01
Hempstead Lake	10643.8*	Max WS	2039.94	17.25	36.04		36.04	0.000000	0.14	14414.37	1275.28	0.01
Hempstead Lake	10633.2*	Max WS	2039.92	17.21	36.04		36.04	0.000000	0.14	14352.77	1258.36	0.01
Hempstead Lake	10622.5*	Max WS	2039.90	17.17	36.04		36.04	0.000000	0.14	14306.00	1241.70	0.01
Hempstead Lake	10611.8*	Max WS	2039.87	17.14	36.04		36.04	0.000000	0.14	14273.33	1225.69	0.01
Hempstead Lake	10601.2*	Max WS	2039.85	17.10	36.04		36.04	0.000000	0.14	14256.06	1210.08	0.01
Hempstead Lake	10590.5*	Max WS	2039.83	17.06	36.04		36.04	0.000000	0.14	14252.74	1194.66	0.01
Hempstead Lake	10579.8*	Max WS	2039.81	17.03	36.04		36.04	0.000000	0.14	14264.50	1179.45	0.01
Hempstead Lake	10569.23	Max WS	2039.78	16.99	36.04		36.04	0.000000	0.14	14290.05	1164.46	0.01
Hempstead Lake	10549.1*	Max WS	2039.75	16.96	36.04		36.04	0.000000	0.14	14330.09	1160.96	0.01
Hempstead Lake	10529.0*	Max WS	2039.72	16.94	36.04		36.04	0.000000	0.14	14372.01	1157.30	0.01
Hempstead Lake	10508.9*	Max WS	2039.69	16.91	36.04		36.04	0.000000	0.14	14413.31	1153.77	0.01
Hempstead Lake	10488.7*	Max WS	2039.66	16.89	36.04		36.04	0.000000	0.14	14453.89	1149.70	0.01
Hempstead Lake	10468.6*	Max WS	2039.64	16.86	36.04		36.04	0.000000	0.14	14497.13	1144.04	0.01
Hempstead Lake	10448.5*	Max WS	2039.61	16.83	36.04		36.04	0.000000	0.14	14541.41	1136.89	0.01
Hempstead Lake	10428.4*	Max WS	2039.58	16.81	36.04		36.04	0.000000	0.14	14584.06	1130.66	0.01
Hempstead Lake	10408.3*	Max WS	2039.55	16.78	36.04		36.04	0.000000	0.14	14630.07	1124.30	0.01
Hempstead Lake	10388.2*	Max WS	2039.52	16.76	36.04		36.04	0.000000	0.14	14674.28	1118.95	0.01
Hempstead Lake	10368.1*	Max WS	2041.26	16.73	36.04		36.04	0.000000	0.14	14722.02	1115.74	0.01
Hempstead Lake	10348.0*	Max WS	2039.45	16.71	36.04		36.04	0.000000	0.14	14767.75	1112.64	0.01
Hempstead Lake	10327.9*	Max WS	2039.42	16.68	36.04		36.04	0.000000	0.14	14815.19	1109.57	0.01
Hempstead Lake	10307.8*	Max WS	2039.39	16.65	36.04		36.04	0.000000	0.14	14864.16	1106.73	0.01
Hempstead Lake	10287.7*	Max WS	2039.35	16.63	36.04		36.04	0.000000	0.14	14912.87	1103.94	0.01
Hempstead Lake	10267.6*	Max WS	2041.26	16.60	36.04		36.04	0.000000	0.14	14962.68	1101.16	0.01
Hempstead Lake	10247.4*	Max WS	2039.28	16.58	36.04		36.04	0.000000	0.14	15011.24	1098.45	0.01
Hempstead Lake	10227.3*	Max WS	2041.26	16.55	36.04		36.04	0.000000	0.14	15061.70	1095.89	0.01
Hempstead Lake	10207.2*	Max WS	2041.25	16.52	36.04		36.04	0.000000	0.14	15114.14	1093.39	0.01
Hempstead Lake	10187.1*	Max WS	2039.16	16.50	36.04		36.04	0.000000	0.13	15164.57	1090.89	0.01
Hempstead Lake	10167.0*	Max WS	2039.12	16.47	36.04		36.04	0.000000	0.13	15217.48	1088.43	0.01
Hempstead Lake	10146.9*	Max WS	2039.07	16.45	36.04		36.04	0.000000	0.13	15268.84	1086.21	0.01
Hempstead Lake	10126.8*	Max WS	2041.23	16.42	36.04		36.04	0.000000	0.13	15324.99	1083.87	0.01
Hempstead Lake	10106.7*	Max WS	2041.21	16.40	36.04		36.04	0.000000	0.13	15377.74	1094.02	0.01
Hempstead Lake	10086.6*	Max WS	2041.20	16.37	36.04		36.04	0.000000	0.13	15439.61	1158.10	0.01
Hempstead Lake	10066.5*	Max WS	2041.19	16.34	36.04		36.04	0.000000	0.13	15509.97	1168.78	0.01
Hempstead Lake	10046.4*	Max WS	2038.85	16.32	36.04		36.04	0.000000	0.13	15582.35	1179.69	0.01
Hempstead Lake	10026.2*	Max WS	2038.80	16.29	36.04		36.04	0.000000	0.13	15659.12	1191.25	0.01
Hempstead Lake	10006.1*	Max WS	2038.75	16.27	36.04		36.04	0.000000	0.13	15738.07	1202.81	0.01
Hempstead Lake	9986.073	Max WS	2041.15	16.24	36.04		36.04	0.000000	0.13	15821.38	1214.47	0.01
Hempstead Lake	9965.77*	Max WS	2041.13	16.21	36.04		36.04	0.000000	0.13	15809.93	1212.96	0.01
Hempstead Lake	9945.47*	Max WS	2041.11	16.19	36.04		36.04	0.000000	0.13	15795.19	1210.19	0.01
Hempstead Lake	9925.18*	Max WS	2041.09	16.16	36.04		36.04	0.000000	0.13	15780.76	1206.71	0.01
Hempstead Lake	9904.88*	Max WS	2041.07	16.13	36.04		36.04	0.000000	0.13	15765.80	1202.18	0.01
Hempstead Lake	9884.59*	Max WS	2038.41	16.11	36.04		36.04	0.000000	0.13	15748.05	1198.08	0.01
Hempstead Lake	9864.29*	Max WS	2041.03	16.08	36.04		36.04	0.000000	0.13	15732.36	1195.42	0.01
Hempstead Lake	9843.99*	Max WS	2041.01	16.05	36.04		36.04	0.000000	0.13	15715.10	1191.29	0.01
Hempstead Lake	9823.7*	Max WS	2040.97	16.03	36.04		36.04	0.000000	0.13	15697.43	1180.29	0.01
Hempstead Lake	9803.40*	Max WS	2040.94	16.00	36.04		36.04	0.000000	0.13	15682.35	1115.96	0.01
Hempstead Lake	9783.10*	Max WS	2040.91	15.97	36.04		36.04	0.000000	0.13	15670.15	1100.84	0.01
Hempstead Lake	9762.81*	Max WS	2040.89	15.95	36.04		36.04	0.000000	0.13	15658.11	1083.77	0.01
Hempstead Lake	9742.51*	Max WS	2040.87	15.92	36.04		36.04	0.000000	0.13	15647.92	1064.10	0.01
Hempstead Lake	9722.21*	Max WS	2040.84	15.89	36.04		36.04	0.000000	0.13	15638.57	1049.83	0.01
Hempstead Lake	9701.92*	Max WS	2040.81	15.87	36.04		36.04	0.000000	0.13	15628.08	1047.57	0.01
Hempstead Lake	9681.62*	Max WS	2043.67	15.84	36.04		36.04	0.000000	0.13	15616.78	1045.05	0.01
Hempstead Lake	9661.32*	Max WS	2040.75	15.81	36.04		36.04	0.000000	0.13	15606.55	1042.58	0.01
Hempstead Lake	9641.03*	Max WS	2040.72	15.79	36.04		36.04	0.000000	0.13	15593.63	1039.90	0.01
Hempstead Lake	9620.73*	Max WS	2040.68	15.76	36.04		36.04	0.000000	0.13	15581.01	1037.06	0.01
Hempstead Lake	9600.43*	Max WS	2043.65	15.73	36.04		36.04	0.000000	0.13	15566.50	1034.25	0.01
Hempstead Lake	9580.14*	Max WS	2043.64	15.71	36.04		36.04	0.000000	0.13	15551.57	1031.46	0.01
Hempstead Lake	9559.84*	Max WS	2043.63	15.68	36.04		36.04	0.000000	0.13	15536.20	1028.57	0.01
Hempstead Lake	9539.54*	Max WS	2043.62	15.66	36.04		36.04	0.000000	0.13	15519.20	1027.09	0.01
Hempstead Lake	9519.25*	Max WS	2043.61	15.63	36.04		36.04	0.000000	0.13	15501.41	1026.55	0.01
Hempstead Lake	9498.95*	Max WS	2043.59	15.60	36.04		36.04	0.000000	0.13	15485.39	1024.66	0.01
Hempstead Lake	9478.65*	Max WS	2043.58	15.58	36.04		36.04	0.000000	0.13	15466.06	1021.28	0.01
Hempstead Lake	9458.36*	Max WS	2043.56	15.55	36.04		36.04	0.000000	0.13	15447.25	1017.89	0.01
Hempstead Lake	9438.06*	Max WS	2043.55	15.52	36.04		36.04	0.000000	0.13	15425.82	1015.79	0.01
Hempstead Lake	9417.76*	Max WS	2043.53	15.50	36.04		36.04	0.000000	0.13	15405.32	1013.95	0.01
Hempstead Lake	9397.47*	Max WS	2043.51	15.47	36.04		36.04	0.000000	0.13	15383.01	1011.89	0.01
Hempstead Lake	9377.17*	Max WS	2043.48	15.44	36.04		36.04	0.000000	0.14	15361.95	1009.77	0.01
Hempstead Lake	9356.87*	Max WS	2043.45	15.42	36.04		36.04	0.000000	0.14	15336.20	1007.63	0.01
Hempstead Lake	9336.58*	Max WS	2043.43	15.39	36.04		36.04	0.000000	0.14	15313.26	1005.47	0.01
Hempstead Lake	9316.28*	Max WS	2043.40	15.36	36.04		36.04	0.000000	0.14	15288.79	1003.07	0.01

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	9295.98*	Max WS	2046.68	15.34	36.04		36.04	0.000000	0.14	15262.43	1000.90	0.01
Hempstead Lake	9275.69*	Max WS	2043.35	15.31	36.04		36.04	0.000000	0.14	15236.06	998.68	0.01
Hempstead Lake	9255.39*	Max WS	2043.32	15.28	36.04		36.04	0.000000	0.14	15209.17	996.53	0.01
Hempstead Lake	9235.09*	Max WS	2046.66	15.26	36.04		36.04	0.000000	0.14	15179.63	994.22	0.01
Hempstead Lake	9214.80*	Max WS	2046.65	15.23	36.04		36.04	0.000000	0.14	15152.69	992.07	0.01
Hempstead Lake	9194.50*	Max WS	2046.63	15.20	36.04		36.04	0.000000	0.14	15121.68	989.57	0.01
Hempstead Lake	9174.20*	Max WS	2046.62	15.18	36.04		36.04	0.000000	0.14	15090.46	987.46	0.01
Hempstead Lake	9153.910	Max WS	2046.60	15.15	36.04		36.04	0.000000	0.14	15060.30	985.11	0.01
Hempstead Lake	9133.22*	Max WS	2108.34	15.12	36.04		36.04	0.000000	0.14	15110.06	991.90	0.01
Hempstead Lake	9112.54*	Max WS	2111.63	15.10	36.04		36.04	0.000000	0.14	15155.40	998.78	0.01
Hempstead Lake	9091.85*	Max WS	2108.29	15.07	36.04		36.04	0.000000	0.14	15203.66	1005.81	0.01
Hempstead Lake	9071.17*	Max WS	2111.62	15.05	36.04		36.04	0.000000	0.14	15248.75	1012.92	0.01
Hempstead Lake	9050.49*	Max WS	2111.61	15.02	36.04		36.04	0.000000	0.14	15293.19	1020.28	0.01
Hempstead Lake	9029.80*	Max WS	2108.21	15.00	36.04		36.04	0.000000	0.14	15335.88	1027.89	0.01
Hempstead Lake	9009.12*	Max WS	2108.17	14.97	36.04		36.04	0.000000	0.14	15378.65	1035.54	0.01
Hempstead Lake	8988.44*	Max WS	2111.59	14.95	36.04		36.04	0.000000	0.14	15419.80	1043.23	0.01
Hempstead Lake	8967.75*	Max WS	2114.89	14.92	36.04		36.04	0.000000	0.14	15460.06	1051.13	0.01
Hempstead Lake	8947.07*	Max WS	2114.89	14.90	36.04		36.04	0.000000	0.14	15498.87	1059.17	0.01
Hempstead Lake	8926.39*	Max WS	2111.50	14.87	36.04		36.04	0.000000	0.14	15537.07	1067.41	0.01
Hempstead Lake	8905.70*	Max WS	2114.88	14.85	36.04		36.04	0.000000	0.14	15574.82	1075.71	0.01
Hempstead Lake	8885.02*	Max WS	2118.17	14.82	36.04		36.04	0.000000	0.14	15611.00	1084.37	0.01
Hempstead Lake	8864.33*	Max WS	2114.85	14.80	36.04		36.04	0.000000	0.14	15645.32	1093.17	0.01
Hempstead Lake	8843.65*	Max WS	2114.84	14.77	36.04		36.04	0.000000	0.14	15680.51	1102.34	0.01
Hempstead Lake	8822.97*	Max WS	2118.18	14.75	36.04		36.04	0.000000	0.14	15713.19	1111.85	0.01
Hempstead Lake	8802.28*	Max WS	2118.17	14.72	36.04		36.04	0.000000	0.14	15745.37	1121.51	0.01
Hempstead Lake	8781.60*	Max WS	2118.16	14.70	36.04		36.04	0.000000	0.14	15777.47	1132.27	0.01
Hempstead Lake	8760.92*	Max WS	2114.76	14.67	36.04		36.04	0.000000	0.14	15808.59	1143.14	0.01
Hempstead Lake	8740.23*	Max WS	2114.73	14.65	36.04		36.04	0.000000	0.14	15839.88	1166.00	0.01
Hempstead Lake	8719.55*	Max WS	2118.13	14.62	36.04		36.04	0.000000	0.14	15870.63	1197.84	0.01
Hempstead Lake	8698.86*	Max WS	2118.10	14.60	36.04		36.04	0.000000	0.14	15906.45	1234.46	0.01
Hempstead Lake	8678.18*	Max WS	2121.43	14.57	36.04		36.04	0.000000	0.14	15944.89	1300.48	0.01
Hempstead Lake	8657.50*	Max WS	2121.42	14.55	36.04		36.04	0.000000	0.14	15987.82	1342.72	0.01
Hempstead Lake	8636.81*	Max WS	1753.55	14.52	36.04		36.04	0.000000	0.11	16035.36	1382.85	0.00
Hempstead Lake	8616.13*	Max WS	1753.52	14.50	36.04		36.04	0.000000	0.11	16085.06	1434.54	0.00
Hempstead Lake	8595.45*	Max WS	1751.72	14.47	36.04		36.04	0.000000	0.11	16142.08	1484.31	0.00
Hempstead Lake	8574.76*	Max WS	1753.50	14.45	36.04		36.04	0.000000	0.11	16198.11	1510.73	0.00
Hempstead Lake	8554.08*	Max WS	1751.68	14.42	36.04		36.04	0.000000	0.11	16255.79	1529.48	0.00
Hempstead Lake	8533.39*	Max WS	1751.67	14.40	36.04		36.04	0.000000	0.11	16315.25	1554.56	0.00
Hempstead Lake	8512.71*	Max WS	1748.47	14.37	36.04		36.04	0.000000	0.11	16373.93	1578.52	0.00
Hempstead Lake	8492.03*	Max WS	1748.46	14.35	36.04		36.04	0.000000	0.11	16435.45	1600.49	0.00
Hempstead Lake	8471.34*	Max WS	1748.44	14.32	36.04		36.04	0.000000	0.11	16497.05	1623.01	0.00
Hempstead Lake	8450.66*	Max WS	1745.88	14.30	36.04		36.04	0.000000	0.11	16558.90	1644.07	0.00
Hempstead Lake	8429.980	Max WS	1747.05	14.27	36.04		36.04	0.000000	0.11	16620.23	1664.78	0.00
Hempstead Lake	8416.34*	Max WS	1745.85	14.25	36.04		36.04	0.000000	0.11	16710.79	1673.88	0.00
Hempstead Lake	8402.71*	Max WS	1744.84	14.23	36.04		36.04	0.000000	0.11	16802.80	1684.42	0.00
Hempstead Lake	8389.07*	Max WS	1745.85	14.21	36.04		36.04	0.000000	0.11	16894.12	1695.64	0.00
Hempstead Lake	8375.44*	Max WS	1743.99	14.19	36.04		36.04	0.000000	0.11	16989.53	1706.43	0.00
Hempstead Lake	8361.81*	Max WS	1743.37	14.16	36.04		36.04	0.000000	0.11	17082.11	1717.80	0.00
Hempstead Lake	8348.17*	Max WS	1743.36	14.14	36.04		36.04	0.000000	0.11	17177.31	1729.59	0.00
Hempstead Lake	8334.54*	Max WS	1742.70	14.12	36.04		36.04	0.000000	0.11	17270.68	1741.37	0.00
Hempstead Lake	8320.91*	Max WS	1742.69	14.10	36.04		36.04	0.000000	0.10	17366.23	1750.72	0.00
Hempstead Lake	8307.27*	Max WS	1742.67	14.08	36.04		36.04	0.000000	0.10	17461.15	1760.12	0.00
Hempstead Lake	8293.64*	Max WS	1742.92	14.06	36.04		36.04	0.000000	0.10	17559.90	1769.58	0.00
Hempstead Lake	8280.00*	Max WS	1742.69	14.04	36.04		36.04	0.000000	0.10	17655.98	1780.00	0.00
Hempstead Lake	8266.37*	Max WS	1742.90	14.02	36.04		36.04	0.000000	0.10	17750.95	1792.24	0.00
Hempstead Lake	8252.74*	Max WS	1742.68	13.99	36.04		36.04	0.000000	0.10	17848.68	1805.99	0.00
Hempstead Lake	8239.10*	Max WS	1744.07	13.97	36.04		36.04	0.000000	0.10	17946.14	1819.30	0.00
Hempstead Lake	8225.47*	Max WS	1745.00	13.95	36.04		36.04	0.000000	0.10	18047.28	1831.94	0.00
Hempstead Lake	8211.84*	Max WS	1746.18	13.93	36.04		36.04	0.000000	0.10	18146.82	1845.67	0.00
Hempstead Lake	8198.20*	Max WS	1746.17	13.91	36.04		36.04	0.000000	0.10	18248.86	1858.60	0.00
Hempstead Lake	8184.57*	Max WS	1751.21	13.89	36.04		36.04	0.000000	0.10	18349.54	1872.12	0.00
Hempstead Lake	8170.93*	Max WS	1753.37	13.87	36.04		36.04	0.000000	0.10	18451.66	1885.65	0.00
Hempstead Lake	8157.30*	Max WS	1755.83	13.85	36.04		36.04	0.000000	0.10	18553.27	1901.48	0.00
Hempstead Lake	8143.67*	Max WS	1755.82	13.82	36.04		36.04	0.000000	0.10	18659.75	1921.40	0.00
Hempstead Lake	8130.03*	Max WS	1755.81	13.80	36.04		36.04	0.000000	0.10	18763.05	1941.57	0.00
Hempstead Lake	8116.40*	Max WS	1771.85	13.78	36.04		36.04	0.000000	0.10	18871.78	1964.47	0.00
Hempstead Lake	8102.76*	Max WS	1780.03	13.76	36.04		36.04	0.000000	0.10	18978.15	1992.53	0.00
Hempstead Lake	8089.13*	Max WS	1768.14	13.74	36.04		36.04	0.000000	0.10	19088.46	1934.26	0.00
Hempstead Lake	8075.50*	Max WS	1992.11	13.72	36.04		36.04	0.000000	0.11	19203.85	1935.19	0.00
Hempstead Lake	8061.86*	Max WS	1992.11	13.70	36.04		36.04	0.000000	0.11	19320.16	1940.57	0.00
Hempstead Lake	8048.23*	Max WS	1976.74	13.68	36.04		36.04	0.000000	0.11	19437.82	1945.60	0.00
Hempstead Lake	8034.6*	Max WS	1984.46	13.65	36.04		36.04	0.000000	0.11	19558.05	1959.99	0.00
Hempstead Lake	8020.96*	Max WS	1976.74	13.63	36.04		36.04	0.000000	0.10	19683.01	1980.15	0.00
Hempstead Lake	8007.33*	Max WS	1976.73	13.61	36.04		36.04	0.000000	0.10	19807.75	2022.45	0.00
Hempstead Lake	7993.69*	Max WS	1961.20	13.59	36.04		36.04	0.000000	0.10	19938.51	2055.12	0.00
Hempstead Lake	7980.06*	Max WS	1961.20	13.57	36.04		36.04	0.000000	0.10	20071.52	2115.89	0.00
Hempstead Lake	7966.43*	Max WS	1968.97	13.55	36.04		36.04	0.000000	0.10	20211.22	2164.05	0.00
Hempstead Lake	7952.79*	Max WS	1976.70	13.53	36.04		36.04	0.000000	0.10	20353.54	2208.58	0.00
Hempstead Lake	7939.16*	Max WS	1976.69	13.51	36.04		36.04	0.000000	0.10	20499.87	2257.12	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7925.53*	Max WS	1945.58	13.48	36.04		36.04	0.000000	0.10	20651.01	2296.58	0.00
Hempstead Lake	7911.89*	Max WS	1953.39	13.46	36.04		36.04	0.000000	0.10	20803.76	2337.33	0.00
Hempstead Lake	7898.26*	Max WS	1961.18	13.44	36.04		36.04	0.000000	0.10	20962.31	2379.95	0.00
Hempstead Lake	7884.62*	Max WS	1953.40	13.42	36.04		36.04	0.000000	0.10	21136.90	2921.12	0.00
Hempstead Lake	7870.99*	Max WS	1968.92	13.40	36.04		36.04	0.000000	0.10	21335.25	2924.96	0.00
Hempstead Lake	7857.36*	Max WS	1968.89	13.38	36.04		36.04	0.000000	0.10	21538.53	2930.51	0.00
Hempstead Lake	7843.72*	Max WS	1961.16	13.36	36.04		36.04	0.000000	0.10	21740.96	2935.37	0.00
Hempstead Lake	7830.09*	Max WS	1953.38	13.34	36.04		36.04	0.000000	0.10	21946.13	2940.99	0.00
Hempstead Lake	7816.45*	Max WS	1945.59	13.31	36.04		36.04	0.000000	0.09	22154.60	2947.18	0.00
Hempstead Lake	7802.82*	Max WS	1961.11	13.29	36.04		36.04	0.000000	0.09	22356.46	2954.02	0.00
Hempstead Lake	7789.19*	Max WS	1953.36	13.27	36.04		36.04	0.000000	0.09	22566.80	2960.66	0.00
Hempstead Lake	7775.55*	Max WS	1961.07	13.25	36.04		36.04	0.000000	0.09	22771.76	2967.54	0.00
Hempstead Lake	7761.92*	Max WS	1937.82	13.23	36.04		36.04	0.000000	0.09	22981.94	2975.64	0.00
Hempstead Lake	7748.29*	Max WS	1953.34	13.21	36.04		36.04	0.000000	0.09	23191.36	2983.30	0.00
Hempstead Lake	7734.65*	Max WS	1953.32	13.19	36.04		36.04	0.000000	0.09	23402.97	2991.94	0.00
Hempstead Lake	7721.02*	Max WS	1953.30	13.17	36.04		36.04	0.000000	0.09	23619.20	3000.83	0.00
Hempstead Lake	7707.38*	Max WS	1945.58	13.14	36.04		36.04	0.000000	0.09	23828.28	3009.62	0.00
Hempstead Lake	7693.75*	Max WS	1953.27	13.12	36.04		36.04	0.000000	0.09	24044.63	3020.05	0.00
Hempstead Lake	7680.12*	Max WS	1945.59	13.10	36.04		36.04	0.000000	0.09	24257.20	3030.88	0.00
Hempstead Lake	7666.48*	Max WS	1945.58	13.08	36.04		36.04	0.000000	0.09	24478.50	3042.49	0.00
Hempstead Lake	7652.85*	Max WS	1945.57	13.06	36.04		36.04	0.000000	0.09	24691.34	3054.05	0.00
Hempstead Lake	7639.22*	Max WS	1953.21	13.04	36.04		36.04	0.000000	0.09	24913.22	3065.97	0.00
Hempstead Lake	7625.58*	Max WS	1945.55	13.02	36.04		36.04	0.000000	0.09	25136.00	3118.74	0.00
Hempstead Lake	7611.95*	Max WS	1945.53	13.00	36.04		36.04	0.000000	0.09	25355.52	3138.39	0.00
Hempstead Lake	7598.31*	Max WS	1945.51	12.97	36.04		36.04	0.000000	0.09	25581.12	3151.75	0.00
Hempstead Lake	7584.68*	Max WS	1953.14	12.95	36.04		36.04	0.000000	0.09	25806.30	3165.76	0.00
Hempstead Lake	7571.05*	Max WS	1937.91	12.93	36.04		36.04	0.000000	0.08	26035.80	3179.24	0.00
Hempstead Lake	7557.41*	Max WS	1953.11	12.91	36.04		36.04	0.000000	0.09	26261.54	3192.47	0.00
Hempstead Lake	7543.783	Max WS	1945.49	12.89	36.04		36.04	0.000000	0.08	26492.26	3207.01	0.00
Hempstead Lake	7530.03*	Max WS	1968.46	12.85	36.04		36.04	0.000000	0.08	26649.26	3229.91	0.00
Hempstead Lake	7516.28*	Max WS	1968.44	12.82	36.04		36.04	0.000000	0.08	26807.67	3262.93	0.00
Hempstead Lake	7502.53*	Max WS	1976.02	12.78	36.04		36.04	0.000000	0.08	26967.57	3290.99	0.00
Hempstead Lake	7488.79*	Max WS	1976.00	12.74	36.04		36.04	0.000000	0.08	27130.54	3315.62	0.00
Hempstead Lake	7475.04*	Max WS	1968.41	12.71	36.04		36.04	0.000000	0.08	27292.05	3322.46	0.00
Hempstead Lake	7461.29*	Max WS	1975.93	12.67	36.04		36.04	0.000000	0.08	27454.07	3329.14	0.00
Hempstead Lake	7447.54*	Max WS	1975.90	12.63	36.04		36.04	0.000000	0.08	27619.99	3336.96	0.00
Hempstead Lake	7433.79*	Max WS	1968.42	12.60	36.04		36.04	0.000000	0.08	27781.09	3344.01	0.00
Hempstead Lake	7420.04*	Max WS	1960.94	12.56	36.04		36.04	0.000000	0.08	27943.82	3351.55	0.00
Hempstead Lake	7406.3*	Max WS	1960.93	12.52	36.04		36.04	0.000000	0.08	28110.47	3359.04	0.00
Hempstead Lake	7392.55*	Max WS	1975.81	12.49	36.04		36.04	0.000000	0.08	28276.01	3367.24	0.00
Hempstead Lake	7378.80*	Max WS	1968.36	12.45	36.04		36.04	0.000000	0.08	28439.35	3376.47	0.00
Hempstead Lake	7365.05*	Max WS	1968.34	12.41	36.04		36.04	0.000000	0.08	28606.59	3385.52	0.00
Hempstead Lake	7351.30*	Max WS	1975.72	12.38	36.04		36.04	0.000000	0.08	28772.82	3397.09	0.00
Hempstead Lake	7337.55*	Max WS	1960.96	12.34	36.04		36.04	0.000000	0.08	28938.29	3408.63	0.00
Hempstead Lake	7323.81*	Max WS	1975.68	12.30	36.04		36.04	0.000000	0.08	29106.28	3420.31	0.00
Hempstead Lake	7310.06*	Max WS	1975.52	12.26	36.04		36.04	0.000000	0.08	29275.88	3433.73	0.00
Hempstead Lake	7296.31*	Max WS	1975.24	12.23	36.04		36.04	0.000000	0.08	29446.20	3446.48	0.00
Hempstead Lake	7282.56*	Max WS	1974.88	12.19	36.04		36.04	0.000000	0.08	29615.72	3459.96	0.00
Hempstead Lake	7268.81*	Max WS	1974.62	12.15	36.04		36.04	0.000000	0.08	29788.00	3474.68	0.00
Hempstead Lake	7255.06*	Max WS	1967.86	12.12	36.04		36.04	0.000000	0.08	29958.64	3488.85	0.00
Hempstead Lake	7241.32*	Max WS	1967.83	12.08	36.04		36.04	0.000000	0.08	30132.45	3504.75	0.00
Hempstead Lake	7227.57*	Max WS	1967.80	12.04	36.04		36.04	0.000000	0.08	30308.90	3520.51	0.00
Hempstead Lake	7213.82*	Max WS	1967.69	12.01	36.04		36.04	0.000000	0.08	30482.43	3537.05	0.00
Hempstead Lake	7200.07*	Max WS	1973.95	11.97	36.04		36.04	0.000000	0.08	30656.24	3554.52	0.00
Hempstead Lake	7186.32*	Max WS	1967.34	11.93	36.04		36.04	0.000000	0.08	30836.76	3572.57	0.00
Hempstead Lake	7172.57*	Max WS	1973.25	11.90	36.04		36.04	0.000000	0.08	31016.00	3597.51	0.00
Hempstead Lake	7158.83*	Max WS	1966.99	11.86	36.04		36.04	0.000000	0.07	38893.94	5407.39	0.00
Hempstead Lake	7145.08*	Max WS	1966.71	11.82	36.04		36.04	0.000000	0.07	39093.23	5438.89	0.00
Hempstead Lake	7131.33*	Max WS	1972.19	11.79	36.04		36.04	0.000000	0.07	39294.43	5471.90	0.00
Hempstead Lake	7117.58*	Max WS	1971.90	11.75	36.04		36.04	0.000000	0.07	39500.78	5505.31	0.00
Hempstead Lake	7103.83*	Max WS	1966.43	11.71	36.04		36.04	0.000000	0.07	39705.27	5538.83	0.00
Hempstead Lake	7090.08*	Max WS	1971.54	11.68	36.04		36.04	0.000000	0.07	39910.30	5562.80	0.00
Hempstead Lake	7076.34*	Max WS	1966.18	11.64	36.04		36.04	0.000000	0.07	40121.75	5572.30	0.00
Hempstead Lake	7062.59*	Max WS	1970.81	11.60	36.04		36.04	0.000000	0.07	40328.27	5582.09	0.00
Hempstead Lake	7048.84*	Max WS	1965.73	11.57	36.04		36.04	0.000000	0.07	40537.23	5591.58	0.00
Hempstead Lake	7035.09*	Max WS	1961.03	11.53	36.04		36.04	0.000000	0.07	40751.84	5601.06	0.00
Hempstead Lake	7021.34*	Max WS	1961.00	11.49	36.04		36.04	0.000000	0.07	40961.52	5610.77	0.00
Hempstead Lake	7007.6*	Max WS	1965.51	11.46	36.04		36.04	0.000000	0.07	41175.85	5620.24	0.00
Hempstead Lake	6993.85*	Max WS	1965.48	11.42	36.04		36.04	0.000000	0.07	41388.25	5630.03	0.00
Hempstead Lake	6980.10*	Max WS	1965.44	11.38	36.04		36.04	0.000000	0.07	41605.71	5639.48	0.00
Hempstead Lake	6966.35*	Max WS	1965.40	11.35	36.04		36.04	0.000000	0.07	41821.59	5617.04	0.00
Hempstead Lake	6952.60*	Max WS	1965.36	11.31	36.04		36.04	0.000000	0.07	42048.89	5576.10	0.00
Hempstead Lake	6938.85*	Max WS	1965.33	11.27	36.04		36.04	0.000000	0.07	42285.68	5556.53	0.00
Hempstead Lake	6925.11*	Max WS	1961.01	11.23	36.04		36.04	0.000000	0.07	42527.23	5551.65	0.00
Hempstead Lake	6911.36*	Max WS	1965.26	11.20	36.04		36.04	0.000000	0.07	42775.48	5548.03	0.00
Hempstead Lake	6897.61*	Max WS	1965.23	11.16	36.04		36.04	0.000000	0.07	43022.83	5544.72	0.00
Hempstead Lake	6883.86*	Max WS	1961.01	11.12	36.04		36.04	0.000000	0.07	43276.06	5542.69	0.00
Hempstead Lake	6870.11*	Max WS	1969.30	11.09	36.04		36.04	0.000000	0.07	43531.36	5540.37	0.00
Hempstead Lake	6856.36*	Max WS	1965.16	11.05	36.04		36.04	0.000000	0.07	43790.22	5538.49	0.00

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6842.62*	Max WS	1965.11	11.01	36.04		36.04	0.000000	0.07	44049.57	5537.38	0.00
Hempstead Lake	6828.87*	Max WS	1965.07	10.98	36.04		36.04	0.000000	0.07	44314.91	5535.32	0.00
Hempstead Lake	6815.12*	Max WS	1965.02	10.94	36.04		36.04	0.000000	0.07	44582.87	5533.41	0.00
Hempstead Lake	6801.37*	Max WS	1960.99	10.90	36.04		36.04	0.000000	0.06	44855.23	5525.75	0.00
Hempstead Lake	6787.62*	Max WS	1964.91	10.87	36.04		36.04	0.000000	0.06	45129.52	5524.24	0.00
Hempstead Lake	6773.87*	Max WS	1960.95	10.83	36.04		36.04	0.000000	0.06	45407.39	5523.41	0.00
Hempstead Lake	6760.13*	Max WS	1960.91	10.79	36.04		36.04	0.000000	0.06	45690.60	5522.80	0.00
Hempstead Lake	6746.38*	Max WS	1960.75	10.76	36.04		36.04	0.000000	0.06	45971.77	5522.69	0.00
Hempstead Lake	6732.634	Max WS	1964.44	10.72	36.04		36.04	0.000000	0.06	46257.84	5519.84	0.00
Hempstead Lake	6718.98*	Max WS	1964.04	10.73	36.04		36.04	0.000000	0.06	46145.90	5496.54	0.00
Hempstead Lake	6705.33*	Max WS	1963.62	10.74	36.04		36.04	0.000000	0.06	46038.01	5472.22	0.00
Hempstead Lake	6691.68*	Max WS	1966.36	10.75	36.04		36.04	0.000000	0.06	45923.83	5446.90	0.00
Hempstead Lake	6678.03*	Max WS	1963.22	10.76	36.04		36.04	0.000000	0.06	45812.29	5418.37	0.00
Hempstead Lake	6664.38*	Max WS	1960.70	10.77	36.04		36.04	0.000000	0.06	45700.76	5387.03	0.00
Hempstead Lake	6650.72*	Max WS	1962.67	10.78	36.04		36.04	0.000000	0.06	45588.80	5354.33	0.00
Hempstead Lake	6637.07*	Max WS	1962.37	10.79	36.04		36.04	0.000000	0.06	45478.91	5319.90	0.00
Hempstead Lake	6623.42*	Max WS	1962.08	10.80	36.04		36.04	0.000000	0.06	45366.14	5281.76	0.00
Hempstead Lake	6609.77*	Max WS	1960.43	10.81	36.04		36.04	0.000000	0.06	45256.52	5236.25	0.00
Hempstead Lake	6596.12*	Max WS	1961.59	10.82	36.04		36.04	0.000000	0.06	45144.81	5216.60	0.00
Hempstead Lake	6582.47*	Max WS	1961.28	10.83	36.04		36.04	0.000000	0.06	45034.13	5200.13	0.00
Hempstead Lake	6568.82*	Max WS	1961.11	10.84	36.04		36.04	0.000000	0.06	44921.48	5184.19	0.00
Hempstead Lake	6555.17*	Max WS	1961.08	10.85	36.04		36.04	0.000000	0.06	44808.32	5168.09	0.00
Hempstead Lake	6541.52*	Max WS	1961.04	10.86	36.04		36.04	0.000000	0.06	44694.51	5152.36	0.00
Hempstead Lake	6527.87*	Max WS	1961.01	10.87	36.04		36.04	0.000000	0.06	44576.76	5137.09	0.00
Hempstead Lake	6514.22*	Max WS	1960.97	10.88	36.04		36.04	0.000000	0.07	44460.75	5124.67	0.00
Hempstead Lake	6500.57*	Max WS	1960.36	10.89	36.04		36.04	0.000000	0.07	44343.12	5109.76	0.00
Hempstead Lake	6486.91*	Max WS	1961.47	10.91	36.04		36.04	0.000000	0.07	44221.39	5093.95	0.00
Hempstead Lake	6473.26*	Max WS	1960.34	10.92	36.04		36.04	0.000000	0.08	34549.46	3746.13	0.00
Hempstead Lake	6459.61*	Max WS	1961.35	10.93	36.04		36.04	0.000000	0.08	34404.54	3740.07	0.00
Hempstead Lake	6445.96*	Max WS	1960.31	10.94	36.04		36.04	0.000000	0.08	34257.06	3734.02	0.00
Hempstead Lake	6432.31*	Max WS	1960.79	10.95	36.04		36.04	0.000000	0.08	34111.02	3727.97	0.00
Hempstead Lake	6418.66*	Max WS	1960.31	10.96	36.04		36.04	0.000000	0.08	33963.76	3721.91	0.00
Hempstead Lake	6405.01*	Max WS	1960.30	10.97	36.04		36.04	0.000000	0.08	33818.76	3715.86	0.00
Hempstead Lake	6391.36*	Max WS	1960.29	10.98	36.04		36.04	0.000000	0.08	33675.81	3709.80	0.00
Hempstead Lake	6377.71*	Max WS	1960.28	10.99	36.04		36.04	0.000000	0.08	33530.26	3703.75	0.00
Hempstead Lake	6364.06*	Max WS	1960.27	11.00	36.04		36.04	0.000000	0.08	33387.49	3682.09	0.00
Hempstead Lake	6350.41*	Max WS	1960.95	11.01	36.04		36.04	0.000000	0.08	33244.95	3669.66	0.00
Hempstead Lake	6336.76*	Max WS	1960.58	11.02	36.04		36.04	0.000000	0.08	33104.23	3657.90	0.00
Hempstead Lake	6323.11*	Max WS	1960.84	11.03	36.04		36.04	0.000000	0.08	32962.10	3647.00	0.00
Hempstead Lake	6309.45*	Max WS	1960.54	11.04	36.04		36.04	0.000000	0.08	32821.19	3636.06	0.00
Hempstead Lake	6295.80*	Max WS	1960.23	11.05	36.04		36.04	0.000000	0.08	32680.67	3625.64	0.00
Hempstead Lake	6282.15*	Max WS	1960.21	11.06	36.04		36.04	0.000000	0.08	32541.84	3615.62	0.00
Hempstead Lake	6268.507	Max WS	1960.45	11.07	36.04		36.04	0.000000	0.08	32402.63	3606.01	0.00
Hempstead Lake	6259.72*	Max WS	1960.43	11.10	36.04		36.04	0.000000	0.08	31801.63	3404.77	0.00
Hempstead Lake	6250.93*	Max WS	1960.18	11.14	36.04		36.04	0.000000	0.08	31301.38	3203.74	0.00
Hempstead Lake	6242.14*	Max WS	1960.31	11.17	36.04		36.04	0.000000	0.08	30901.62	2996.75	0.00
Hempstead Lake	6233.35*	Max WS	1960.17	11.21	36.04		36.04	0.000000	0.07	34481.77	3568.65	0.00
Hempstead Lake	6224.57*	Max WS	1960.19	11.24	36.04		36.04	0.000000	0.07	33222.29	3236.94	0.00
Hempstead Lake	6215.78*	Max WS	1960.16	11.27	36.04		36.04	0.000000	0.07	32233.21	2903.95	0.00
Hempstead Lake	6206.99*	Max WS	1960.16	11.31	36.04		36.04	0.000000	0.07	31510.25	2570.70	0.00
Hempstead Lake	6198.21*	Max WS	1960.14	11.34	36.04		36.04	0.000000	0.07	31058.74	2291.97	0.00
Hempstead Lake	6189.42*	Max WS	1960.13	11.38	36.04		36.04	0.000000	0.07	30878.83	1916.58	0.00
Hempstead Lake	6180.638	Max WS	1960.13	11.41	36.04		36.04	0.000000	0.06	30933.39	1541.19	0.00
Hempstead Lake	6177.638	Max WS	1960.13	11.00	36.04	11.44	36.04	0.000000	0.06	31398.94	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	1959.48	10.80	21.85		21.94	0.002604	2.31	848.52	253.15	0.22
Hempstead Lake	5930.638	Max WS	1959.36	10.80	21.80		21.84	0.001315	1.59	1230.95	380.62	0.16
Hempstead Lake	5880.638	Max WS	1959.25	10.80	21.75		21.78	0.000887	1.53	1280.27	313.85	0.13
Hempstead Lake	5830.638	Max WS	1959.14	10.80	21.70		21.74	0.000845	1.50	1307.21	318.73	0.13
Hempstead Lake	5780.638	Max WS	1959.04	10.80	21.63		21.68	0.001560	1.73	1131.94	351.66	0.17
Hempstead Lake	5730.638	Max WS	1958.86	10.80	21.54		21.59	0.002004	1.78	1135.54	442.25	0.19
Hempstead Lake	5680.638	Max WS	1958.76	10.80	21.48		21.51	0.001297	1.43	1366.37	483.27	0.15
Hempstead Lake	5630.638	Max WS	1958.61	10.80	21.42		21.45	0.001206	1.19	1470.69	574.18	0.14
Hempstead Lake	5580.638	Max WS	1958.60	10.80	21.35		21.38	0.001364	1.18	1505.26	677.78	0.15
Hempstead Lake	5530.638	Max WS	1958.54	10.80	21.28		21.31	0.001669	1.29	1450.62	712.53	0.16
Hempstead Lake	5480.638	Max WS	1958.49	10.80	21.14		21.18	0.003242	1.55	1208.76	726.15	0.22
Hempstead Lake	5430.638	Max WS	1958.44	8.00	20.86		20.92	0.007288	1.94	976.14	736.57	0.30
Hempstead Lake	5380.638	Max WS	1958.40	8.00	20.60		20.70	0.002152	2.60	856.58	728.66	0.42
Hempstead Lake	5330.638	Max WS	1958.39	8.00	19.78		19.94	0.028235	3.30	605.63	614.09	0.57
Hempstead Lake	5307.48*	Max WS	1958.33	7.93	18.98		19.23	0.034050	4.02	494.88	464.40	0.64
Hempstead Lake	5284.32*	Max WS	1957.46	7.87	18.50		18.66	0.015187	3.18	616.29	397.76	0.45
Hempstead Lake	5261.17*	Max WS	1954.46	7.80	18.35		18.43	0.004914	2.23	877.23	416.08	0.27
Hempstead Lake	5238.01*	Max WS	916.84	7.73	18.33		18.34	0.000398	0.76	1199.61	438.30	0.08
Hempstead Lake	5214.85*	Max WS	916.28	7.67	18.33		18.33	0.000182	0.60	1532.16	461.53	0.06
Hempstead Lake	5191.70*	Max WS	916.28	7.60	18.33		18.33	0.000094	0.49	1866.81	473.89	0.04
Hempstead Lake	5168.54*	Max WS	915.69	7.54	18.33		18.33	0.000054	0.42	2201.54	480.51	0.03
Hempstead Lake	5145.39*	Max WS	915.68	7.47	18.33		18.33	0.000034	0.36	2532.11	485.21	0.03
Hempstead Lake	5122.23*	Max WS	916.28	7.40	18.33		18.33	0.000022	0.32	2859.08	488.72	0.02
Hempstead Lake	5099.07*	Max WS	915.67	7.34	18.33		18.33	0.000016	0.29	3182.03	491.31	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	5075.922	Max WS	916.27	7.27	18.33		18.33	0.000002	0.26	3500.95	493.02	0.02
Hempstead Lake	5055.96*	Max WS	915.66	7.23	18.33		18.33	0.000009	0.25	3637.60	653.37	0.02
Hempstead Lake	5036.01*	Max WS	916.27	7.20	18.33		18.33	0.000006	0.23	3937.73	682.89	0.02
Hempstead Lake	5016.05*	Max WS	915.64	7.16	18.33		18.33	0.000004	0.22	4260.15	689.98	0.02
Hempstead Lake	4996.10*	Max WS	916.27	7.12	18.33		18.33	0.000003	0.20	4600.15	723.49	0.01
Hempstead Lake	4976.14*	Max WS	915.62	7.09	18.33		18.33	0.000002	0.18	4958.07	745.99	0.01
Hempstead Lake	4956.192	Max WS	916.27	7.05	18.33		18.33	0.000001	0.17	5331.76	752.72	0.01
Hempstead Lake	4936.44*	Max WS	916.27	7.02	18.33		18.33	0.000001	0.16	5685.17	850.66	0.01
Hempstead Lake	4916.69*	Max WS	916.26	6.98	18.33		18.33	0.000001	0.15	6101.12	899.54	0.01
Hempstead Lake	4896.94*	Max WS	915.56	6.95	18.33		18.33	0.000002	0.14	6529.52	923.44	0.01
Hempstead Lake	4877.19*	Max WS	916.26	6.91	18.33		18.33	0.000002	0.13	6969.81	945.03	0.01
Hempstead Lake	4857.44*	Max WS	916.25	6.88	18.33		18.33	0.000002	0.12	7415.11	948.04	0.01
Hempstead Lake	4837.697	Max WS	916.25	6.84	18.33		18.33	0.000000	0.12	7865.59	949.79	0.01
Hempstead Lake	4817.64*	Max WS	1729.21	6.81	18.32		18.32	0.000006	0.22	7912.22	947.38	0.01
Hempstead Lake	4797.59*	Max WS	1729.20	6.77	18.32		18.32	0.000006	0.22	7965.35	942.23	0.01
Hempstead Lake	4777.53*	Max WS	1728.32	6.67	18.32		18.32	0.000006	0.22	8025.67	934.87	0.01
Hempstead Lake	4757.48*	Max WS	1729.17	6.58	18.32		18.32	0.000006	0.21	8089.17	929.33	0.01
Hempstead Lake	4737.42*	Max WS	1729.16	6.49	18.32		18.32	0.000006	0.21	8155.58	926.56	0.01
Hempstead Lake	4717.37*	Max WS	1729.14	6.40	18.32		18.32	0.000006	0.21	8222.49	924.26	0.01
Hempstead Lake	4697.32*	Max WS	1728.31	6.30	18.32		18.32	0.000005	0.21	8293.44	921.75	0.01
Hempstead Lake	4677.26*	Max WS	1729.11	6.21	18.32		18.32	0.000005	0.21	8364.36	918.99	0.01
Hempstead Lake	4657.21*	Max WS	1728.31	6.12	18.32		18.32	0.000005	0.21	8436.72	916.23	0.01
Hempstead Lake	4637.16*	Max WS	1729.07	6.02	18.32		18.32	0.000005	0.20	8509.73	913.37	0.01
Hempstead Lake	4617.10*	Max WS	1728.30	5.91	18.32		18.32	0.000005	0.20	8584.15	910.38	0.01
Hempstead Lake	4597.05*	Max WS	1729.04	5.76	18.32		18.32	0.000005	0.20	8657.73	907.36	0.01
Hempstead Lake	4577.*	Max WS	1728.29	5.60	18.32		18.32	0.000004	0.20	8733.83	904.46	0.01
Hempstead Lake	4556.94*	Max WS	1729.01	5.45	18.32		18.32	0.000004	0.20	8810.65	901.46	0.01
Hempstead Lake	4536.893	Max WS	1728.99	5.30	18.32		18.32	0.000001	0.20	8887.79	898.46	0.01
Hempstead Lake	4516.70*	Max WS	1752.96	5.16	18.32		18.32	0.000004	0.20	8946.12	899.31	0.01
Hempstead Lake	4496.51*	Max WS	1752.95	5.02	18.32		18.32	0.000004	0.19	9010.82	899.66	0.01
Hempstead Lake	4476.32*	Max WS	1752.95	4.88	18.32		18.32	0.000004	0.19	9082.42	899.73	0.01
Hempstead Lake	4456.14*	Max WS	1752.94	4.74	18.32		18.32	0.000004	0.19	9157.53	899.28	0.01
Hempstead Lake	4435.95*	Max WS	1752.94	4.60	18.32		18.32	0.000004	0.19	9239.50	898.68	0.01
Hempstead Lake	4415.76*	Max WS	1753.57	4.46	18.32		18.32	0.000004	0.19	9326.21	897.59	0.01
Hempstead Lake	4395.57*	Max WS	1752.92	4.32	18.32		18.32	0.000003	0.19	9418.54	896.38	0.01
Hempstead Lake	4375.38*	Max WS	1752.91	4.18	18.32		18.32	0.000003	0.18	9515.84	894.92	0.01
Hempstead Lake	4355.20*	Max WS	1752.91	4.04	18.32		18.32	0.000003	0.18	9619.03	892.99	0.01
Hempstead Lake	4335.01*	Max WS	1752.90	3.90	18.32		18.32	0.000003	0.18	9726.88	891.69	0.01
Hempstead Lake	4314.82*	Max WS	1752.89	3.76	18.32		18.32	0.000003	0.18	9840.37	890.18	0.01
Hempstead Lake	4294.63*	Max WS	1752.88	3.62	18.32		18.32	0.000003	0.18	9958.37	888.68	0.01
Hempstead Lake	4274.44*	Max WS	1752.87	3.48	18.32		18.32	0.000003	0.17	10080.34	887.04	0.01
Hempstead Lake	4254.26*	Max WS	1752.85	3.34	18.32		18.32	0.000003	0.17	10207.76	885.34	0.01
Hempstead Lake	4234.07*	Max WS	1752.84	3.20	18.32		18.32	0.000002	0.17	10340.54	883.58	0.01
Hempstead Lake	4213.88*	Max WS	1752.83	3.06	18.32		18.32	0.000002	0.17	10478.32	881.83	0.01
Hempstead Lake	4193.69*	Max WS	1752.82	2.92	18.32		18.32	0.000002	0.17	10619.77	879.95	0.01
Hempstead Lake	4173.50*	Max WS	1752.80	2.78	18.32		18.32	0.000002	0.16	10766.72	878.04	0.01
Hempstead Lake	4153.320	Max WS	1752.79	2.64	18.32		18.32	0.000000	0.16	10918.15	876.08	0.01
Hempstead Lake	4131.85*	Max WS	1784.11	2.69	18.32		18.32	0.000002	0.17	10846.61	874.99	0.01
Hempstead Lake	4110.38*	Max WS	1784.09	2.75	18.32		18.32	0.000002	0.17	10778.87	874.03	0.01
Hempstead Lake	4088.91*	Max WS	1784.08	2.80	18.32		18.32	0.000002	0.17	10718.32	872.95	0.01
Hempstead Lake	4067.44*	Max WS	1784.07	2.86	18.32		18.32	0.000002	0.17	10660.03	871.94	0.01
Hempstead Lake	4045.97*	Max WS	1784.05	2.91	18.32		18.32	0.000002	0.17	10609.57	870.89	0.01
Hempstead Lake	4024.50*	Max WS	1784.04	2.97	18.32		18.32	0.000002	0.17	10561.53	869.95	0.01
Hempstead Lake	4003.034	Max WS	1784.03	3.02	18.32		18.32	0.000000	0.17	10520.96	869.03	0.01
Hempstead Lake	4002		Lat Struct									
Hempstead Lake	3984.01*	Max WS	1640.26	3.78	18.32		18.32	0.000003	0.18	9511.58	852.63	0.01
Hempstead Lake	3964.99*	Max WS	1640.24	4.54	18.32		18.32	0.000004	0.20	8523.40	836.05	0.01
Hempstead Lake	3945.97*	Max WS	1640.22	5.30	18.32		18.32	0.000006	0.22	7556.38	822.59	0.01
Hempstead Lake	3926.95*	Max WS	1640.21	6.06	18.32		18.32	0.000009	0.25	6614.24	811.02	0.01
Hempstead Lake	3907.93*	Max WS	1639.84	6.82	18.32		18.32	0.000014	0.29	5695.69	798.56	0.02
Hempstead Lake	3888.916	Max WS	1639.84	7.58	18.32		18.32	0.000004	0.35	4798.56	783.23	0.02
Hempstead Lake	3883.916	Max WS	1672.06	7.20	18.32	9.61	18.32	0.000004	0.36	4695.30	773.41	0.02
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	1671.24	7.19	18.30		18.30	0.000006	0.41	4123.30	756.35	0.03
Hempstead Lake	3858.916	Max WS	1671.24	7.17	18.30		18.30	0.000007	0.42	3996.95	755.70	0.03
Hempstead Lake	3826.579	Max WS	1670.81	6.10	18.30		18.30	0.000017	0.58	2900.50	741.15	0.05
Hempstead Lake	3821.579	Max WS	1670.81	6.02	18.30		18.30	0.000020	0.61	2776.62	715.02	0.05
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	1670.41	5.94	18.27		18.28	0.000060	0.62	2753.49	717.08	0.05
Hempstead Lake	3736.579	Max WS	1670.40	5.88	18.27		18.28	0.000018	0.58	2968.09	714.99	0.05
Hempstead Lake	3699.46*	Max WS	1670.39	5.83	18.27		18.28	0.000018	0.54	3202.61	719.12	0.04
Hempstead Lake	3662.35*	Max WS	1670.38	5.78	18.27		18.28	0.000016	0.50	3472.80	785.13	0.04
Hempstead Lake	3625.24*	Max WS	1670.35	5.74	18.27		18.28	0.000014	0.47	3788.07	858.26	0.03
Hempstead Lake	3588.13*	Max WS	1669.99	5.69	18.27		18.28	0.000012	0.44	4146.55	901.52	0.03
Hempstead Lake	3551.028	Max WS	1670.30	5.64	18.27		18.28	0.000009	0.42	4537.00	934.38	0.03
Hempstead Lake	3531.67*	Max WS	1669.98	5.61	18.27		18.28	0.000014	0.43	4336.10	918.17	0.03
Hempstead Lake	3512.33*	Max WS	1669.98	5.58	18.27		18.27	0.000014	0.45	4137.08	905.82	0.03
Hempstead Lake	3492.98*	Max WS	1669.97	5.55	18.27		18.27	0.000014	0.46	3939.13	891.81	0.03
Hempstead Lake	3473.63*	Max WS	1669.97	5.52	18.27		18.27	0.000015	0.48	3745.02	873.14	0.03

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	3454.28*	Max WS	1669.96	5.49	18.27		18.27	0.000014	0.49	3569.06	786.60	0.03
Hempstead Lake	3434.93*	Max WS	1669.95	5.46	18.27		18.27	0.000014	0.51	3423.41	678.54	0.04
Hempstead Lake	3415.58*	Max WS	1669.94	5.43	18.27		18.27	0.000013	0.52	3328.82	651.08	0.04
Hempstead Lake	3396.239	Max WS	1669.94	5.40	18.27		18.27	0.000018	0.53	3237.09	637.48	0.04
Hempstead Lake	3376.88*	Max WS	1669.93	5.37	18.27		18.27	0.000014	0.54	3240.94	641.45	0.04
Hempstead Lake	3357.52*	Max WS	1669.70	5.34	18.27		18.27	0.000014	0.54	3246.51	645.74	0.04
Hempstead Lake	3338.16*	Max WS	1669.70	5.32	18.27		18.27	0.000015	0.54	3250.86	651.36	0.04
Hempstead Lake	3318.80*	Max WS	1669.90	5.29	18.27		18.27	0.000015	0.54	3256.87	656.76	0.04
Hempstead Lake	3299.44*	Max WS	1669.89	5.26	18.27		18.27	0.000016	0.54	3261.70	663.04	0.04
Hempstead Lake	3280.08*	Max WS	1669.87	5.23	18.27		18.27	0.000016	0.54	3268.56	668.20	0.04
Hempstead Lake	3260.73*	Max WS	1669.69	5.21	18.27		18.27	0.000017	0.55	3274.24	671.95	0.04
Hempstead Lake	3241.37*	Max WS	1669.68	5.18	18.27		18.27	0.000017	0.55	3279.98	675.42	0.04
Hempstead Lake	3222.01*	Max WS	1669.68	5.15	18.27		18.27	0.000018	0.55	3287.22	677.66	0.04
Hempstead Lake	3202.65*	Max WS	1669.81	5.12	18.27		18.27	0.000018	0.55	3293.06	680.05	0.04
Hempstead Lake	3183.29*	Max WS	1669.67	5.10	18.27		18.27	0.000019	0.55	3299.37	681.58	0.04
Hempstead Lake	3163.93*	Max WS	1669.66	5.07	18.26		18.27	0.000019	0.56	3304.74	683.09	0.04
Hempstead Lake	3144.581	Max WS	1669.65	5.04	18.26		18.27	0.000016	0.56	3311.09	684.11	0.04
Hempstead Lake	3124.73*	Max WS	1669.65	5.01	18.26		18.27	0.000015	0.56	3321.19	686.76	0.04
Hempstead Lake	3104.89*	Max WS	1669.64	4.98	18.26		18.27	0.000015	0.56	3332.49	688.94	0.04
Hempstead Lake	3085.04*	Max WS	1669.63	4.95	18.26		18.27	0.000015	0.56	3344.72	691.02	0.04
Hempstead Lake	3065.2*	Max WS	1669.62	4.92	18.26		18.27	0.000014	0.56	3355.61	693.59	0.04
Hempstead Lake	3045.35*	Max WS	1669.56	4.88	18.26		18.27	0.000014	0.55	3368.24	697.55	0.04
Hempstead Lake	3025.51*	Max WS	1669.61	4.85	18.26		18.27	0.000014	0.55	3381.35	700.58	0.04
Hempstead Lake	3005.66*	Max WS	1669.60	4.82	18.26		18.27	0.000013	0.55	3395.91	702.36	0.04
Hempstead Lake	2985.81*	Max WS	1669.59	4.79	18.26		18.27	0.000013	0.55	3408.05	703.77	0.04
Hempstead Lake	2965.974	Max WS	1669.58	4.76	18.26		18.27	0.000014	0.55	3421.33	704.80	0.04
Hempstead Lake	2951.87*	Max WS	1669.57	4.74	18.26		18.27	0.000016	0.54	3451.51	706.02	0.04
Hempstead Lake	2937.77*	Max WS	1669.57	4.72	18.26		18.27	0.000016	0.54	3480.00	707.57	0.04
Hempstead Lake	2923.67*	Max WS	1669.56	4.70	18.26		18.27	0.000016	0.53	3510.83	708.92	0.03
Hempstead Lake	2909.57*	Max WS	1669.55	4.68	18.26		18.27	0.000016	0.53	3539.17	710.25	0.03
Hempstead Lake	2895.47*	Max WS	1669.55	4.66	18.26		18.27	0.000015	0.52	3568.21	712.18	0.03
Hempstead Lake	2881.37*	Max WS	1669.54	4.64	18.26		18.27	0.000015	0.52	3596.84	713.80	0.03
Hempstead Lake	2867.27*	Max WS	1669.54	4.62	18.26		18.27	0.000015	0.51	3625.06	717.80	0.03
Hempstead Lake	2853.17*	Max WS	1669.53	4.61	18.26		18.26	0.000014	0.51	3654.08	724.55	0.03
Hempstead Lake	2839.07*	Max WS	1669.52	4.59	18.26		18.26	0.000014	0.50	3683.37	732.35	0.03
Hempstead Lake	2824.96*	Max WS	1669.45	4.57	18.26		18.26	0.000014	0.50	3711.67	740.55	0.03
Hempstead Lake	2810.86*	Max WS	1669.52	4.55	18.26		18.26	0.000014	0.50	3741.56	749.01	0.03
Hempstead Lake	2796.76*	Max WS	1669.51	4.53	18.26		18.26	0.000014	0.49	3770.38	756.95	0.03
Hempstead Lake	2782.66*	Max WS	1669.51	4.51	18.26		18.26	0.000013	0.49	3800.09	762.38	0.03
Hempstead Lake	2768.56*	Max WS	1669.50	4.49	18.26		18.26	0.000013	0.48	3830.16	768.28	0.03
Hempstead Lake	2754.46*	Max WS	1669.38	4.47	18.26		18.26	0.000013	0.48	3859.74	773.03	0.03
Hempstead Lake	2740.36*	Max WS	1669.49	4.45	18.26		18.26	0.000013	0.48	3889.71	777.51	0.03
Hempstead Lake	2726.28*	Max WS	1669.49	4.43	18.26		18.26	0.000012	0.47	3920.80	782.83	0.03
Hempstead Lake	2712.18*	Max WS	1669.49	4.41	18.26		18.26	0.000012	0.47	3950.81	787.51	0.03
Hempstead Lake	2698.08*	Max WS	1669.33	4.39	18.26		18.26	0.000012	0.47	3981.36	793.26	0.03
Hempstead Lake	2683.98*	Max WS	1669.48	4.37	18.26		18.26	0.000012	0.46	4011.03	799.18	0.03
Hempstead Lake	2669.88*	Max WS	1669.48	4.35	18.26		18.26	0.000011	0.46	4043.37	804.73	0.03
Hempstead Lake	2655.78*	Max WS	1669.48	4.34	18.26		18.26	0.000011	0.45	4073.66	814.22	0.03
Hempstead Lake	2641.68*	Max WS	1669.29	4.32	18.26		18.26	0.000011	0.45	4105.38	825.01	0.03
Hempstead Lake	2627.58*	Max WS	1669.27	4.30	18.26		18.26	0.000011	0.45	4138.03	838.61	0.03
Hempstead Lake	2613.48*	Max WS	1669.26	4.28	18.26		18.26	0.000011	0.44	4172.10	857.97	0.03
Hempstead Lake	2599.38*	Max WS	1669.25	4.26	18.26		18.26	0.000010	0.44	4205.98	871.23	0.03
Hempstead Lake	2585.29*	Max WS	1669.24	4.24	18.26		18.26	0.000010	0.44	4242.30	877.90	0.03
Hempstead Lake	2571.19*	Max WS	1669.24	4.22	18.26		18.26	0.000010	0.43	4277.62	883.24	0.03
Hempstead Lake	2557.091	Max WS	1669.23	4.20	18.26		18.26	0.000024	0.42	4312.04	884.04	0.03
Hempstead Lake	2552.091	Max WS	1669.23	4.09	18.26		18.26	0.000079	0.56	3255.86	886.01	0.04
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	1669.23	4.09	18.24		18.24	0.000076	0.54	3359.51	877.11	0.04
Hempstead Lake	2487.091	Max WS	1669.22	4.60	18.24		18.24	0.000019	0.39	4675.08	875.22	0.02
Hempstead Lake	2477.12*	Max WS	1669.22	4.58	18.24		18.24	0.000008	0.40	4686.48	880.66	0.03
Hempstead Lake	2467.14*	Max WS	1669.22	4.57	18.24		18.24	0.000008	0.40	4708.10	887.64	0.03
Hempstead Lake	2457.17*	Max WS	1669.22	4.55	18.24		18.24	0.000008	0.40	4732.69	898.74	0.03
Hempstead Lake	2447.20*	Max WS	1668.94	4.53	18.24		18.24	0.000009	0.40	4764.36	906.42	0.03
Hempstead Lake	2437.23*	Max WS	1668.93	4.51	18.24		18.24	0.000015	0.40	4802.09	910.92	0.02
Hempstead Lake	2427.26*	Max WS	1668.92	4.50	18.24		18.24	0.000014	0.40	4843.27	915.34	0.02
Hempstead Lake	2417.29*	Max WS	1668.91	4.48	18.24		18.24	0.000014	0.40	4889.87	918.56	0.02
Hempstead Lake	2407.32*	Max WS	1668.90	4.46	18.24		18.24	0.000009	0.41	4940.84	921.95	0.03
Hempstead Lake	2397.35*	Max WS	1668.89	4.44	18.24		18.24	0.000009	0.41	4994.73	925.31	0.03
Hempstead Lake	2387.37*	Max WS	1668.88	4.43	18.24		18.24	0.000009	0.41	5053.84	928.49	0.03
Hempstead Lake	2377.40*	Max WS	1668.87	4.41	18.24		18.24	0.000009	0.42	5117.95	931.87	0.03
Hempstead Lake	2367.43*	Max WS	1668.87	4.39	18.24		18.24	0.000009	0.42	5184.25	934.53	0.03
Hempstead Lake	2357.46*	Max WS	1668.86	4.37	18.24		18.24	0.000009	0.42	5255.66	937.05	0.03
Hempstead Lake	2347.49*	Max WS	1668.85	4.36	18.24		18.24	0.000009	0.42	5330.67	939.58	0.02
Hempstead Lake	2337.52*	Max WS	1668.84	4.34	18.24		18.24	0.000009	0.42	5409.70	941.93	0.02
Hempstead Lake	2327.55*	Max WS	1668.84	4.32	18.24		18.24	0.000009	0.42	5492.18	944.57	0.02
Hempstead Lake	2317.58*	Max WS	1668.83	4.30	18.24		18.24	0.000009	0.42	5580.97	962.35	0.02
Hempstead Lake	2307.60*	Max WS	1668.83	4.29	18.24		18.24	0.000008	0.42	5675.61	977.72	0.02
Hempstead Lake	2297.63*	Max WS	1668.82	4.27	18.24		18.24	0.000008	0.42	5775.09	992.76	0.02
Hempstead Lake	2287.66*	Max WS	1668.82	4.25	18.24		18.24	0.000008	0.42	5878.85	1015.31	0.02

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2277.69*	Max WS	1668.42	4.23	18.24		18.24	0.000008	0.42	5991.60	1051.95	0.02
Hempstead Lake	2267.72*	Max WS	1668.81	4.22	18.24		18.24	0.000008	0.42	6111.51	1079.50	0.02
Hempstead Lake	2257.752	Max WS	1668.81	4.20	18.24		18.24	0.000012	0.37	6237.41	1096.85	0.02
Hempstead Lake	2252.75*	Max WS	1668.81	4.10	18.24		18.24	0.000010	0.41	6175.93	1079.13	0.02
Hempstead Lake	2247.752	Max WS	1668.37	4.00	18.24		18.24	0.000012	0.39	6113.70	1060.41	0.02
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	1668.37	3.80	18.23		18.23	0.000017	0.72	4585.15	888.06	0.04
Hempstead Lake	2192.75*	Max WS	1668.36	3.75	18.23		18.23	0.000012	0.68	5064.61	884.71	0.04
Hempstead Lake	2187.752	Max WS	1668.35	3.70	18.23		18.23	0.000009	0.70	5372.58	881.45	0.04
Hempstead Lake	2178.63*	Max WS	1668.34	3.72	18.23		18.23	0.000009	0.72	5225.69	878.16	0.04
Hempstead Lake	2169.52*	Max WS	1668.34	3.74	18.23		18.23	0.000010	0.74	5079.85	875.08	0.04
Hempstead Lake	2160.40*	Max WS	1668.33	3.76	18.23		18.23	0.000011	0.76	4934.69	872.00	0.04
Hempstead Lake	2151.29*	Max WS	1668.33	3.78	18.23		18.23	0.000011	0.78	4790.44	868.80	0.04
Hempstead Lake	2142.17*	Max WS	1668.32	3.80	18.23		18.23	0.000012	0.80	4646.85	865.69	0.04
Hempstead Lake	2133.05*	Max WS	1668.32	3.82	18.23		18.23	0.000013	0.82	4503.69	862.27	0.05
Hempstead Lake	2123.94*	Max WS	1667.88	3.83	18.23		18.23	0.000014	0.85	4361.98	859.08	0.05
Hempstead Lake	2114.82*	Max WS	1668.32	3.85	18.23		18.23	0.000015	0.87	4220.61	855.92	0.05
Hempstead Lake	2105.71*	Max WS	1667.85	3.87	18.23		18.23	0.000016	0.90	4081.65	852.92	0.05
Hempstead Lake	2096.59*	Max WS	1667.84	3.89	18.23		18.23	0.000017	0.93	3943.00	849.86	0.05
Hempstead Lake	2087.48*	Max WS	1667.82	3.91	18.22		18.23	0.000019	0.95	3803.61	846.82	0.05
Hempstead Lake	2078.36*	Max WS	1667.81	3.93	18.22		18.24	0.000020	0.98	3666.09	843.95	0.06
Hempstead Lake	2069.25*	Max WS	1667.79	3.95	18.22		18.24	0.000022	1.01	3530.30	841.54	0.06
Hempstead Lake	2060.13*	Max WS	1667.77	3.97	18.22		18.24	0.000023	1.05	3395.20	839.63	0.06
Hempstead Lake	2051.01*	Max WS	1667.75	3.99	18.22		18.24	0.000025	1.08	3262.31	846.31	0.06
Hempstead Lake	2041.90*	Max WS	1667.72	4.01	18.22		18.24	0.000027	1.12	3130.87	863.37	0.06
Hempstead Lake	2032.78*	Max WS	1667.68	4.03	18.22		18.24	0.000030	1.16	3005.12	874.42	0.07
Hempstead Lake	2023.67*	Max WS	1667.64	4.05	18.22		18.24	0.000032	1.20	2880.01	906.48	0.07
Hempstead Lake	2014.55*	Max WS	1667.59	4.07	18.22		18.24	0.000035	1.24	2763.27	920.69	0.07
Hempstead Lake	2005.44*	Max WS	1667.52	4.08	18.22		18.24	0.000038	1.28	2646.91	921.23	0.08
Hempstead Lake	1996.32*	Max WS	1667.43	4.10	18.22		18.24	0.000041	1.32	2535.10	920.86	0.08
Hempstead Lake	1987.20*	Max WS	1667.31	4.12	18.21		18.24	0.000044	1.36	2423.88	919.33	0.08
Hempstead Lake	1978.09*	Max WS	1667.15	4.14	18.21		18.24	0.000048	1.40	2315.42	916.85	0.08
Hempstead Lake	1968.97*	Max WS	1666.95	4.16	18.21		18.24	0.000052	1.44	2208.27	915.76	0.09
Hempstead Lake	1959.86*	Max WS	1666.67	4.18	18.21		18.24	0.000056	1.49	2103.34	913.40	0.09
Hempstead Lake	1950.747	Max WS	1666.29	4.20	18.21		18.24	0.000061	1.53	2000.17	910.11	0.09
Hempstead Lake	1945.747	Max WS	1665.92	4.21	18.21		18.24	0.000152	1.72	2290.92	960.53	0.14
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	1412.78	4.50	17.14		17.14	0.000062	0.48	3558.02	997.31	0.04
Hempstead Lake	1880.747	Max WS	1412.77	4.45	17.14		17.14	0.000008	0.50	4436.58	1017.46	0.03
Hempstead Lake	1848.83*	Max WS	1415.85	2.70	17.14		17.14	0.000002	0.26	6729.13	1123.49	0.01
Hempstead Lake	1816.92*	Max WS	1415.81	0.95	17.14		17.14	0.000001	0.16	9627.27	1190.85	0.01
Hempstead Lake	1785.01*	Max WS	1415.75	-0.80	17.14		17.14	0.000001	0.11	13224.07	1200.12	0.01
Hempstead Lake	1753.104	Max WS	1415.69	-2.55	17.14		17.14	0.000000	0.08	17492.28	1309.81	0.00
Hempstead Lake	1732.65*	Max WS	1415.64	-2.75	17.14		17.14	0.000000	0.08	17726.62	1345.15	0.00
Hempstead Lake	1712.21*	Max WS	1415.59	-2.95	17.14		17.14	0.000000	0.08	18012.63	1377.82	0.00
Hempstead Lake	1691.76*	Max WS	1415.54	-3.14	17.14		17.14	0.000000	0.08	18348.19	1396.09	0.00
Hempstead Lake	1671.32*	Max WS	1415.49	-3.34	17.14		17.14	0.000000	0.08	18732.62	1422.22	0.00
Hempstead Lake	1650.87*	Max WS	1415.43	-3.54	17.14		17.14	0.000000	0.08	19165.76	1446.98	0.00
Hempstead Lake	1630.434	Max WS	1419.10	-3.74	17.14		17.14	0.000000	0.08	19643.25	1470.30	0.00
Hempstead Lake	1610.36*	Max WS	1419.09	-3.49	17.14		17.14	0.000000	0.08	19017.53	1462.46	0.00
Hempstead Lake	1590.30*	Max WS	1419.08	-3.23	17.14		17.14	0.000000	0.08	18394.05	1453.36	0.00
Hempstead Lake	1570.23*	Max WS	1419.07	-2.98	17.14		17.14	0.000000	0.09	17772.74	1443.45	0.00
Hempstead Lake	1550.17*	Max WS	1419.06	-2.73	17.14		17.14	0.000000	0.09	17155.07	1432.55	0.00
Hempstead Lake	1530.10*	Max WS	1419.04	-2.47	17.14		17.14	0.000000	0.09	16538.56	1420.14	0.00
Hempstead Lake	1510.03*	Max WS	1419.01	-2.22	17.14		17.14	0.000000	0.10	15927.47	1408.73	0.00
Hempstead Lake	1489.97*	Max WS	1418.98	-1.96	17.14		17.14	0.000000	0.10	15322.62	1399.40	0.00
Hempstead Lake	1469.90*	Max WS	1418.95	-1.71	17.14		17.14	0.000000	0.11	14723.38	1394.70	0.00
Hempstead Lake	1449.83*	Max WS	1418.91	-1.46	17.14		17.14	0.000000	0.11	14131.67	1382.73	0.01
Hempstead Lake	1429.77*	Max WS	1418.87	-1.20	17.14		17.14	0.000000	0.12	13543.01	1367.78	0.01
Hempstead Lake	1409.707	Max WS	1418.82	-0.95	17.14		17.14	0.000000	0.12	12961.63	1353.08	0.01
Hempstead Lake	1389.03*	Max WS	11683.13	-0.98	17.11		17.13	0.000012	1.00	12927.49	1337.12	0.05
Hempstead Lake	1368.35*	Max WS	11683.09	-1.00	17.11		17.13	0.000012	1.00	12929.20	1326.53	0.05
Hempstead Lake	1347.67*	Max WS	11683.05	-1.03	17.11		17.13	0.000012	1.01	12929.31	1317.06	0.05
Hempstead Lake	1326.99*	Max WS	11683.00	-1.06	17.11		17.13	0.000012	1.01	12927.23	1305.33	0.05
Hempstead Lake	1306.32*	Max WS	11679.48	-1.08	17.11		17.13	0.000013	1.01	12924.14	1295.00	0.05
Hempstead Lake	1285.64*	Max WS	11679.47	-1.11	17.11		17.13	0.000013	1.01	12920.79	1281.89	0.05
Hempstead Lake	1264.96*	Max WS	11679.45	-1.14	17.11		17.13	0.000013	1.01	12914.83	1272.20	0.05
Hempstead Lake	1244.28*	Max WS	11679.42	-1.16	17.11		17.13	0.000013	1.01	12909.61	1259.89	0.05
Hempstead Lake	1223.61*	Max WS	11679.38	-1.19	17.11		17.13	0.000013	1.02	12903.50	1251.12	0.05
Hempstead Lake	1202.93*	Max WS	11679.34	-1.22	17.11		17.13	0.000013	1.02	12896.34	1238.50	0.05
Hempstead Lake	1182.25*	Max WS	11679.30	-1.24	17.11		17.13	0.000013	1.02	12888.11	1229.29	0.05
Hempstead Lake	1161.57*	Max WS	11675.95	-1.27	17.11		17.13	0.000013	1.02	12879.63	1217.76	0.05
Hempstead Lake	1140.90*	Max WS	11679.18	-1.30	17.11		17.12	0.000013	1.03	12870.94	1208.70	0.05
Hempstead Lake	1120.22*	Max WS	11675.93	-1.32	17.11		17.12	0.000013	1.03	12864.36	1200.72	0.05
Hempstead Lake	1099.54*	Max WS	11675.92	-1.35	17.11		17.12	0.000013	1.03	12855.16	1198.83	0.05
Hempstead Lake	1078.87*	Max WS	11675.90	-1.38	17.11		17.12	0.000013	1.03	12845.14	1197.91	0.05
Hempstead Lake	1058.19*	Max WS	11675.86	-1.40	17.11		17.12	0.000013	1.04	12836.54	1210.23	0.05
Hempstead Lake	1037.515	Max WS	11675.82	-1.43	17.11		17.12	0.000011	1.01	12844.12	1563.38	0.05
Hempstead Lake	1017.08*	Max WS	11764.33	-1.35	17.11		17.12	0.000014	1.04	12807.74	1562.66	0.05

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	996.645*	Max WS	11764.27	-1.28	17.11		17.12	0.000018	1.04	12771.86	1581.56	0.05
Hempstead Lake	976.210*	Max WS	11764.19	-1.20	17.11		17.12	0.000020	1.04	12733.55	1614.52	0.05
Hempstead Lake	955.775*	Max WS	11764.11	-1.13	17.11		17.12	0.000024	1.04	12694.12	1626.44	0.05
Hempstead Lake	935.340*	Max WS	11764.03	-1.05	17.11		17.12	0.000028	1.04	12651.82	1651.06	0.05
Hempstead Lake	914.905*	Max WS	11761.19	-0.98	17.11		17.12	0.000032	1.03	12609.11	1701.34	0.05
Hempstead Lake	894.471*	Max WS	11761.17	-0.90	17.10		17.12	0.000035	1.03	12563.71	1719.88	0.05
Hempstead Lake	874.036*	Max WS	11761.15	-0.83	17.10		17.12	0.000040	1.03	12518.62	1738.34	0.05
Hempstead Lake	853.601*	Max WS	11761.12	-0.75	17.10		17.12	0.000044	1.03	12474.29	1829.08	0.05
Hempstead Lake	833.166*	Max WS	11761.06	-0.68	17.10		17.12	0.000049	1.03	12429.13	1839.25	0.04
Hempstead Lake	812.731*	Max WS	11761.01	-0.60	17.10		17.12	0.000053	1.02	12383.39	1844.91	0.04
Hempstead Lake	792.296*	Max WS	11760.96	-0.53	17.10		17.12	0.000058	1.02	12337.28	1849.99	0.04
Hempstead Lake	771.862	Max WS	11760.89	-0.45	17.10		17.12	0.000011	1.09	12289.28	1922.05	0.05
Hempstead Lake	750.331*	Max WS	11796.43	-0.53	17.10		17.11	0.000062	1.06	11966.00	1939.77	0.05
Hempstead Lake	728.8*	Max WS	11796.36	-0.61	17.10		17.11	0.000063	1.10	11642.56	1957.10	0.05
Hempstead Lake	707.269*	Max WS	11796.25	-0.69	17.09		17.11	0.000061	1.14	11324.48	1974.46	0.05
Hempstead Lake	685.738*	Max WS	11796.13	-0.77	17.09		17.11	0.000059	1.18	11009.39	1988.43	0.05
Hempstead Lake	664.207*	Max WS	11794.36	-0.85	17.09		17.11	0.000056	1.22	10697.85	2002.87	0.06
Hempstead Lake	642.676*	Max WS	11794.35	-0.93	17.08		17.11	0.000054	1.26	10392.37	2018.24	0.06
Hempstead Lake	621.145*	Max WS	11794.33	-1.02	17.08		17.11	0.000049	1.29	10089.18	2036.97	0.06
Hempstead Lake	599.614*	Max WS	11794.31	-1.10	17.08		17.11	0.000044	1.33	9791.32	2054.44	0.06
Hempstead Lake	578.083*	Max WS	11794.29	-1.18	17.08		17.11	0.000038	1.35	9497.85	2073.03	0.06
Hempstead Lake	556.552*	Max WS	11794.26	-1.26	17.08		17.10	0.000034	1.38	9209.36	2094.36	0.06
Hempstead Lake	535.021*	Max WS	11794.23	-1.34	17.07		17.10	0.000028	1.40	8925.11	2136.80	0.07
Hempstead Lake	513.490	Max WS	11794.21	-1.42	17.07		17.10	0.000022	1.40	8647.85	2190.60	0.07
Hempstead Lake	493.036*	Max WS	11831.50	-1.03	17.07		17.10	0.000052	1.52	8043.43	1786.72	0.07
Hempstead Lake	472.587*	Max WS	11831.47	-0.65	17.06		17.10	0.000068	1.63	7461.12	1644.45	0.08
Hempstead Lake	452.136*	Max WS	11831.44	-0.26	17.05		17.10	0.000091	1.76	6899.59	637.67	0.09
Hempstead Lake	431.685*	Max WS	11831.41	0.12	17.04		17.10	0.000120	1.90	6354.14	620.44	0.10
Hempstead Lake	411.234*	Max WS	11831.37	0.51	17.03		17.10	0.000157	2.07	5824.18	603.14	0.11
Hempstead Lake	390.783*	Max WS	11831.33	0.90	17.01		17.09	0.000210	2.27	5306.71	585.68	0.13
Hempstead Lake	370.332*	Max WS	11831.30	1.28	16.99		17.09	0.000283	2.51	4804.44	568.01	0.15
Hempstead Lake	349.881*	Max WS	11831.27	1.67	16.96		17.08	0.000384	2.79	4313.70	549.97	0.17
Hempstead Lake	329.430*	Max WS	11831.24	2.05	16.92		17.07	0.000528	3.13	3836.82	531.37	0.20
Hempstead Lake	308.979*	Max WS	11831.22	2.44	16.86		17.06	0.000726	3.55	3366.49	511.70	0.24
Hempstead Lake	288.528*	Max WS	11831.20	2.83	16.78		17.04	0.001010	4.11	2902.18	489.94	0.29
Hempstead Lake	268.077*	Max WS	11831.17	3.21	16.65		17.02	0.001427	4.88	2436.00	467.85	0.37
Hempstead Lake	247.626*	Max WS	11831.14	3.60	16.41		16.99	0.002096	6.10	1941.07	444.93	0.51
Hempstead Lake	227.175*	Max WS	11831.04	3.98	15.79		17.00	0.003303	8.81	1342.43	314.12	0.75
Hempstead Lake	206.724	Max WS	11831.07	4.37	15.40		16.96	0.002647	10.01	1181.69	148.16	0.62
Hempstead Lake	201.724	Max WS	11831.06	4.37	15.93	11.69	16.94	0.001565	8.07	1465.87	167.64	0.48
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	11831.06	1.00	13.21		14.06	0.000998	7.68	1609.87	150.72	0.40
Hempstead Lake	166.724	Max WS	11831.06	1.00	13.20	7.77	14.05	0.001000	7.68	1608.96	150.70	0.40

PR 1/2 PMF NON-BREACH 9/3/15

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	40.88	40.84	0.04	0.00		340.44	5727.01	4254.63	734.80
Hempstead Lake	15523.7*	Max WS	40.88	40.84	0.04	0.01		768.14	5556.48	3997.42	729.82
Hempstead Lake	15503.5*	Max WS	40.87	40.83	0.04	0.01		735.76	5630.71	3955.51	722.10
Hempstead Lake	15483.3*	Max WS	40.87	40.83	0.04	0.00		691.16	5682.71	3933.48	711.46
Hempstead Lake	15463.0*	Max WS	40.86	40.82	0.04	0.00		649.79	5729.96	3927.55	700.73
Hempstead Lake	15442.8*	Max WS	40.86	40.82	0.04	0.00		620.78	5778.61	3893.38	696.08
Hempstead Lake	15422.5*	Max WS	40.86	40.82	0.04	0.00		586.96	5853.77	3852.01	696.60
Hempstead Lake	15402.3*	Max WS	40.85	40.81	0.04	0.00		553.56	5928.31	3810.83	698.28
Hempstead Lake	15382.1*	Max WS	40.85	40.81	0.04	0.00		530.62	5982.34	3765.39	699.62
Hempstead Lake	15361.8*	Max WS	40.85	40.81	0.04	0.00		499.57	6043.82	3734.93	700.70
Hempstead Lake	15341.6*	Max WS	40.84	40.80	0.04	0.00		478.19	6092.89	3707.20	701.36
Hempstead Lake	15321.4*	Max WS	40.84	40.80	0.04	0.00		447.79	6141.07	3689.37	701.57
Hempstead Lake	15301.1*	Max WS	40.84	40.80	0.04	0.00		416.78	6171.77	3675.56	701.32
Hempstead Lake	15280.9*	Max WS	40.84	40.80	0.04	0.00		396.43	6197.96	3669.68	700.54
Hempstead Lake	15260.7*	Max WS	40.84	40.80	0.04	0.00		367.12	6219.62	3677.29	699.12
Hempstead Lake	15240.4*	Max WS	40.84	40.79	0.04	0.00		337.77	6231.69	3694.52	696.91
Hempstead Lake	15220.2*	Max WS	40.84	40.79	0.04	0.00		317.67	6225.66	3720.58	693.69
Hempstead Lake	15200.02	Max WS	40.83	40.79	0.04	0.00		288.32	6212.58	3762.95	689.55
Hempstead Lake	15180.7*	Max WS	40.83	40.80	0.04	0.00		324.59	6554.48	3384.70	722.50
Hempstead Lake	15161.4*	Max WS	40.83	40.80	0.03	0.00		358.56	6837.16	3068.00	753.25
Hempstead Lake	15142.1*	Max WS	40.83	40.80	0.03	0.00		389.83	7071.14	2802.72	781.70
Hempstead Lake	15122.8*	Max WS	40.83	40.80	0.03	0.00		417.91	7276.54	2582.79	808.10
Hempstead Lake	15103.5*	Max WS	40.83	40.80	0.02	0.00		442.38	7437.19	2397.60	831.39
Hempstead Lake	15084.2*	Max WS	40.83	40.81	0.02	0.00		473.01	7569.93	2234.17	853.60
Hempstead Lake	15064.9*	Max WS	40.83	40.81	0.02	0.00		493.62	7691.00	2092.43	875.05
Hempstead Lake	15045.6*	Max WS	40.83	40.81	0.02	0.00		511.22	7800.24	1965.53	896.68
Hempstead Lake	15026.4*	Max WS	40.82	40.81	0.02	0.00		528.54	7896.50	1851.90	917.61
Hempstead Lake	15007.1*	Max WS	40.82	40.81	0.01	0.00		544.19	7982.87	1749.82	938.32
Hempstead Lake	14987.82	Max WS	40.82	40.81	0.01	0.00		231.46	8332.62	1712.76	958.87
Hempstead Lake	14966.6*	Max WS	40.82	40.81	0.01	0.00		336.04	8467.56	1525.41	977.58
Hempstead Lake	14945.4*	Max WS	40.82	40.81	0.01	0.00		294.64	8666.80	1367.52	995.58
Hempstead Lake	14924.3*	Max WS	40.82	40.81	0.01	0.00		254.83	8850.70	1223.37	1012.96
Hempstead Lake	14903.1*	Max WS	40.82	40.81	0.01	0.00		221.48	9016.80	1090.56	1029.89
Hempstead Lake	14882.*	Max WS	40.82	40.81	0.01	0.00		190.75	9168.52	969.49	1046.70
Hempstead Lake	14860.8*	Max WS	40.82	40.81	0.01	0.00		162.03	9307.68	858.99	1062.80
Hempstead Lake	14839.6*	Max WS	40.82	40.81	0.01	0.00		134.97	9434.70	758.94	1078.37
Hempstead Lake	14818.5*	Max WS	40.82	40.81	0.01	0.00		111.56	9549.82	667.13	1215.74
Hempstead Lake	14797.35	Max WS	40.81	40.81	0.01	0.00		45.94	10039.17	243.29	1394.36
Hempstead Lake	14777.4*	Max WS	40.81	40.81	0.01	0.00		103.00	9683.24	542.05	1374.53
Hempstead Lake	14757.4*	Max WS	40.81	40.81	0.01	0.00		105.85	9710.70	511.63	1277.03
Hempstead Lake	14737.5*	Max WS	40.81	40.81	0.01	0.00		107.44	9745.07	475.57	1225.89
Hempstead Lake	14717.5*	Max WS	40.81	40.81	0.01	0.00		114.36	9765.53	448.08	1164.79
Hempstead Lake	14697.6*	Max WS	40.81	40.81	0.01	0.00		120.37	9785.44	422.07	1180.11
Hempstead Lake	14677.6*	Max WS	40.81	40.81	0.01	0.00		125.72	9805.10	396.96	1195.98
Hempstead Lake	14657.7*	Max WS	40.81	40.81	0.01	0.00		128.32	9831.38	367.98	1212.50
Hempstead Lake	14637.7*	Max WS	40.81	40.81	0.01	0.00		135.79	9834.94	345.53	1235.75
Hempstead Lake	14617.8*	Max WS	40.81	40.81	0.01	0.00		138.31	9852.89	325.04	1258.51
Hempstead Lake	14597.8*	Max WS	40.81	40.81	0.01	0.00		143.90	9866.18	306.14	1293.06
Hempstead Lake	14577.9*	Max WS	40.81	40.81	0.01	0.00		146.09	9898.52	282.61	1388.19
Hempstead Lake	14557.9*	Max WS	40.81	40.81	0.01	0.00		149.96	9900.82	265.42	1439.14
Hempstead Lake	14538.0*	Max WS	40.81	40.81	0.01	0.00		153.50	9912.40	250.28	1500.52
Hempstead Lake	14518.0*	Max WS	40.81	40.81	0.01	0.00		153.37	9941.31	232.15	1546.55
Hempstead Lake	14498.1*	Max WS	40.81	40.81	0.01	0.00		151.07	9962.93	212.67	1616.21
Hempstead Lake	14478.1*	Max WS	40.81	40.81	0.00	0.00		152.36	9951.94	211.84	1663.47
Hempstead Lake	14458.2*	Max WS	40.81	40.81	0.00	0.00		153.96	9959.99	212.41	1721.24
Hempstead Lake	14438.2*	Max WS	40.81	40.81	0.00	0.00		151.29	9968.61	206.30	1740.83
Hempstead Lake	14418.3*	Max WS	40.81	40.81	0.00	0.00		152.03	9959.56	204.50	1758.53
Hempstead Lake	14398.37	Max WS	40.81	40.81	0.00	0.00		61.39	10060.40	204.08	1774.25
Hempstead Lake	14378.3*	Max WS	40.81	40.81	0.00	0.00		67.34	10034.10	214.61	1752.69
Hempstead Lake	14358.3*	Max WS	40.81	40.81	0.00	0.00		73.18	10017.02	225.82	1731.36
Hempstead Lake	14338.2*	Max WS	40.81	40.81	0.00	0.00		79.15	9999.29	237.55	1710.23
Hempstead Lake	14318.2*	Max WS	40.81	40.81	0.01	0.00		84.95	9981.16	249.85	1689.72
Hempstead Lake	14298.2*	Max WS	40.81	40.81	0.01	0.00		90.50	9962.51	262.90	1669.65
Hempstead Lake	14278.1*	Max WS	40.81	40.81	0.01	0.00		95.99	9943.16	276.73	1650.11
Hempstead Lake	14258.1*	Max WS	40.81	40.81	0.01	0.00		101.27	9923.39	291.21	1631.02
Hempstead Lake	14238.1*	Max WS	40.81	40.81	0.01	0.00		106.21	9903.08	306.55	1612.91
Hempstead Lake	14218.0*	Max WS	40.81	40.81	0.01	0.00		110.73	9882.28	322.78	1595.73
Hempstead Lake	14198.0*	Max WS	40.81	40.81	0.01	0.00		114.87	9860.65	340.23	1579.69
Hempstead Lake	14178.0*	Max WS	40.81	40.80	0.01	0.00		118.53	9838.52	358.65	1565.01
Hempstead Lake	14157.9*	Max WS	40.81	40.80	0.01	0.00		121.63	9815.06	378.96	1551.34
Hempstead Lake	14137.9*	Max WS	40.81	40.80	0.01	0.00		124.27	9788.34	402.99	1587.06
Hempstead Lake	14117.9*	Max WS	40.81	40.80	0.01	0.00		127.26	9759.22	429.08	1619.88

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	40.81	40.80	0.01	0.00		130.74	9727.49	457.26	1622.10
Hempstead Lake	14077.8*	Max WS	40.81	40.80	0.01	0.00		134.31	9694.36	486.76	1619.92
Hempstead Lake	14057.8*	Max WS	40.81	40.80	0.01	0.00		137.69	9656.42	521.27	1609.61
Hempstead Lake	14037.7*	Max WS	40.81	40.80	0.01	0.00		139.86	9615.95	559.50	1602.03
Hempstead Lake	14017.75	Max WS	40.81	40.80	0.01	0.00		139.76	9576.80	598.68	1601.20
Hempstead Lake	13998.2*	Max WS	40.81	40.80	0.01	0.00		242.10	9436.58	636.51	1594.05
Hempstead Lake	13978.6*	Max WS	40.81	40.80	0.01	0.00		235.27	9503.92	575.94	1586.31
Hempstead Lake	13959.1*	Max WS	40.81	40.80	0.01	0.00		223.37	9573.53	518.16	1579.05
Hempstead Lake	13939.6*	Max WS	40.81	40.80	0.01	0.00		213.10	9631.60	470.30	1567.33
Hempstead Lake	13920.0*	Max WS	40.81	40.80	0.01	0.00		201.94	9688.41	424.58	1556.30
Hempstead Lake	13900.5*	Max WS	40.81	40.80	0.01	0.00		192.43	9736.94	385.51	1545.40
Hempstead Lake	13881.*	Max WS	40.81	40.80	0.01	0.00		183.08	9780.55	351.20	1533.59
Hempstead Lake	13861.4*	Max WS	40.81	40.80	0.01	0.00		176.14	9818.33	320.27	1519.92
Hempstead Lake	13841.9*	Max WS	40.81	40.80	0.01	0.00		167.26	9853.44	293.98	1507.91
Hempstead Lake	13822.3*	Max WS	40.81	40.80	0.01	0.00		157.56	9889.18	267.88	1497.77
Hempstead Lake	13802.8*	Max WS	40.81	40.80	0.01	0.00		149.38	9919.56	245.64	1489.50
Hempstead Lake	13783.3*	Max WS	40.81	40.80	0.01	0.00		140.45	9950.99	223.09	1482.30
Hempstead Lake	13763.7*	Max WS	40.81	40.80	0.01	0.00		132.83	9977.77	203.88	1476.35
Hempstead Lake	13744.2*	Max WS	40.81	40.80	0.01	0.00		126.55	10003.71	184.16	1471.67
Hempstead Lake	13724.7*	Max WS	40.81	40.80	0.01	0.00		119.52	10027.41	167.44	1467.43
Hempstead Lake	13705.1*	Max WS	40.81	40.80	0.01	0.00		111.30	10053.15	149.88	1463.98
Hempstead Lake	13685.63	Max WS	40.81	40.80	0.00	0.00		104.77	10074.31	135.19	1461.27
Hempstead Lake	13666.4*	Max WS	40.81	40.80	0.00	0.00		103.91	10065.94	144.36	1474.72
Hempstead Lake	13647.1*	Max WS	40.81	40.80	0.00	0.00		108.10	10056.04	150.02	1471.92
Hempstead Lake	13627.9*	Max WS	40.81	40.80	0.00	0.00		112.48	10043.54	158.08	1468.92
Hempstead Lake	13608.7*	Max WS	40.81	40.80	0.00	0.00		117.57	10032.27	164.21	1465.89
Hempstead Lake	13589.5*	Max WS	40.81	40.80	0.00	0.00		123.14	10020.24	170.61	1462.93
Hempstead Lake	13570.2*	Max WS	40.81	40.80	0.00	0.00		129.04	10007.94	176.96	1460.02
Hempstead Lake	13551.0*	Max WS	40.81	40.80	0.00	0.00		135.95	9992.06	185.88	1457.21
Hempstead Lake	13531.8*	Max WS	40.81	40.80	0.00	0.00		142.83	9978.46	192.53	1454.17
Hempstead Lake	13512.6*	Max WS	40.81	40.80	0.00	0.00		150.11	9964.59	199.07	1451.08
Hempstead Lake	13493.3*	Max WS	40.81	40.80	0.00	0.00		157.88	9950.23	205.63	1448.33
Hempstead Lake	13474.1*	Max WS	40.81	40.80	0.00	0.00		166.04	9935.67	211.97	1445.89
Hempstead Lake	13454.9*	Max WS	40.81	40.80	0.00	0.00		176.09	9916.43	221.10	1443.75
Hempstead Lake	13435.72	Max WS	40.81	40.80	0.00	0.00		157.18	9643.65	512.74	1441.82
Hempstead Lake	13419.3*	Max WS	40.81	40.80	0.00	0.00		168.91	9938.00	206.60	1445.86
Hempstead Lake	13403.0*	Max WS	40.81	40.80	0.00	0.00		174.11	9947.61	191.73	1449.88
Hempstead Lake	13386.6*	Max WS	40.81	40.80	0.00	0.00		179.38	9956.92	177.10	1453.91
Hempstead Lake	13370.3*	Max WS	40.81	40.80	0.00	0.00		181.99	9970.67	160.68	1457.87
Hempstead Lake	13354.*	Max WS	40.81	40.80	0.00	0.00		187.20	9978.97	147.13	1461.80
Hempstead Lake	13337.6*	Max WS	40.81	40.80	0.00	0.00		192.26	9986.71	134.28	1465.73
Hempstead Lake	13321.3*	Max WS	40.81	40.80	0.00	0.00		197.30	9994.10	121.80	1469.56
Hempstead Lake	13304.9*	Max WS	40.81	40.80	0.00	0.00		202.16	10001.06	109.93	1473.41
Hempstead Lake	13288.6*	Max WS	40.81	40.80	0.00	0.00		207.07	10007.39	98.63	1477.23
Hempstead Lake	13272.29	Max WS	40.81	40.80	0.00	0.00		190.65	10047.92	74.47	1481.00
Hempstead Lake	13255.0*	Max WS	40.81	40.80	0.00	0.00		191.73	10043.20	78.04	1482.47
Hempstead Lake	13237.8*	Max WS	40.81	40.80	0.00	0.00		194.88	10036.81	81.22	1483.85
Hempstead Lake	13220.5*	Max WS	40.81	40.80	0.00	0.00		197.86	10030.76	84.23	1485.13
Hempstead Lake	13203.3*	Max WS	40.81	40.80	0.00	0.00		197.27	10029.94	85.57	1486.29
Hempstead Lake	13186.0*	Max WS	40.81	40.80	0.00	0.00		199.85	10024.47	88.41	1487.34
Hempstead Lake	13168.8*	Max WS	40.81	40.80	0.00	0.00		202.29	10019.26	91.10	1488.18
Hempstead Lake	13151.6*	Max WS	40.81	40.80	0.00	0.00		207.06	10010.71	94.81	1488.92
Hempstead Lake	13134.3*	Max WS	40.81	40.80	0.00	0.00		209.02	10006.16	97.34	1489.48
Hempstead Lake	13117.1*	Max WS	40.81	40.80	0.00	0.00		210.84	10001.88	99.72	1489.88
Hempstead Lake	13099.8*	Max WS	40.81	40.80	0.00	0.00		209.45	10002.44	100.50	1490.25
Hempstead Lake	13082.6*	Max WS	40.81	40.80	0.00	0.00		210.83	9998.92	102.58	1490.46
Hempstead Lake	13065.3*	Max WS	40.81	40.80	0.00	0.00		211.97	9995.73	104.56	1490.51
Hempstead Lake	13048.1*	Max WS	40.81	40.80	0.00	0.00		212.77	9992.95	106.47	1490.32
Hempstead Lake	13030.9*	Max WS	40.81	40.80	0.00	0.00		213.46	9990.50	108.16	1489.97
Hempstead Lake	13013.6*	Max WS	40.81	40.80	0.00	0.00		213.98	9988.05	110.02	1489.41
Hempstead Lake	12996.4*	Max WS	40.81	40.80	0.00	0.00		212.14	9989.23	110.62	1488.44
Hempstead Lake	12979.1*	Max WS	40.81	40.80	0.00	0.00		212.56	9986.86	112.50	1487.06
Hempstead Lake	12961.9*	Max WS	40.81	40.80	0.00	0.00		212.90	9984.44	114.52	1485.52
Hempstead Lake	12944.7*	Max WS	40.81	40.80	0.00	0.00		216.09	9977.53	118.17	1483.55
Hempstead Lake	12927.4*	Max WS	40.81	40.80	0.00	0.00		216.03	9975.51	120.19	1481.26
Hempstead Lake	12910.2*	Max WS	40.81	40.80	0.00	0.00		215.78	9973.38	122.47	1478.70
Hempstead Lake	12892.97	Max WS	40.81	40.80	0.00	0.00		160.87	9995.00	155.72	1475.75
Hempstead Lake	12881.0*	Max WS	40.81	40.80	0.01	0.00		200.30	11868.62	117.50	1472.71
Hempstead Lake	12869.1*	Max WS	40.81	40.80	0.01	0.00		199.97	11867.46	118.90	1469.20
Hempstead Lake	12857.1*	Max WS	40.81	40.80	0.01	0.00		199.44	11866.21	120.59	1465.42
Hempstead Lake	12845.2*	Max WS	40.81	40.80	0.01	0.00		199.03	11864.82	122.30	1461.60
Hempstead Lake	12833.3*	Max WS	40.81	40.80	0.01	0.00		198.57	11863.48	124.02	1457.61

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	40.81	40.80	0.01	0.00		198.25	11861.72	126.00	1453.48
Hempstead Lake	12809.4*	Max WS	40.81	40.80	0.01	0.00		197.84	11859.80	128.25	1449.07
Hempstead Lake	12797.5*	Max WS	40.81	40.80	0.01	0.00		197.34	11857.81	130.64	1444.58
Hempstead Lake	12785.6*	Max WS	40.81	40.80	0.01	0.00		196.78	11855.76	133.17	1439.72
Hempstead Lake	12773.7*	Max WS	40.81	40.80	0.01	0.00		196.31	11853.58	135.74	1435.34
Hempstead Lake	12761.7*	Max WS	40.81	40.80	0.01	0.00		195.78	11851.56	138.20	1431.56
Hempstead Lake	12749.8*	Max WS	40.81	40.80	0.01	0.00		195.34	11849.22	140.90	1427.68
Hempstead Lake	12737.9*	Max WS	40.81	40.80	0.01	0.00		194.88	11846.85	143.65	1423.86
Hempstead Lake	12726.0*	Max WS	40.81	40.80	0.01	0.00		194.32	11844.71	146.26	1420.25
Hempstead Lake	12714.0*	Max WS	40.81	40.80	0.01	0.00		193.70	11842.71	148.79	1417.15
Hempstead Lake	12702.1*	Max WS	40.81	40.80	0.01	0.00		193.18	11840.50	151.44	1413.97
Hempstead Lake	12690.2*	Max WS	40.81	40.80	0.01	0.00		192.54	11838.89	153.60	1411.68
Hempstead Lake	12678.3*	Max WS	40.81	40.80	0.01	0.00		192.18	11836.73	156.03	1409.54
Hempstead Lake	12666.3*	Max WS	40.81	40.80	0.01	0.00		191.55	11835.11	158.19	1407.33
Hempstead Lake	12654.4*	Max WS	40.80	40.80	0.01	0.00		190.95	11833.39	160.41	1405.15
Hempstead Lake	12642.5*	Max WS	40.80	40.80	0.01	0.00		190.36	11829.68	162.64	1403.07
Hempstead Lake	12630.6*	Max WS	40.80	40.80	0.01	0.00		189.79	11829.96	164.84	1400.93
Hempstead Lake	12618.6*	Max WS	40.80	40.80	0.01	0.00		189.26	11827.94	167.30	1398.83
Hempstead Lake	12606.7*	Max WS	40.80	40.80	0.01	0.00		188.59	11824.68	169.41	1396.78
Hempstead Lake	12594.8*	Max WS	40.80	40.80	0.01	0.00		187.99	11824.50	171.81	1394.72
Hempstead Lake	12582.9*	Max WS	40.80	40.80	0.01	0.00		187.35	11821.38	173.95	1392.64
Hempstead Lake	12570.9*	Max WS	40.80	40.80	0.01	0.00		186.61	11819.86	176.21	1390.64
Hempstead Lake	12559.0*	Max WS	40.80	40.80	0.01	0.00		186.03	11819.36	178.63	1388.61
Hempstead Lake	12547.1*	Max WS	40.80	40.80	0.01	0.00		185.53	11817.56	180.83	1386.58
Hempstead Lake	12535.2*	Max WS	40.80	40.80	0.01	0.00		184.75	11815.95	183.13	1384.63
Hempstead Lake	12523.27	Max WS	40.80	40.80	0.01	0.00		184.28	11822.52	176.94	1382.62
Hempstead Lake	12515.8*	Max WS	40.80	40.80	0.01	0.00		287.70	12434.85	182.26	1369.15
Hempstead Lake	12508.3*	Max WS	40.80	40.80	0.01	0.00		307.40	12420.65	176.76	1355.64
Hempstead Lake	12500.9*	Max WS	40.80	40.80	0.01	0.00		322.57	12413.09	170.61	1342.10
Hempstead Lake	12493.4*	Max WS	40.80	40.80	0.01	0.00		337.45	12405.36	163.41	1328.46
Hempstead Lake	12486.0*	Max WS	40.80	40.80	0.01	0.00		356.52	12392.77	155.51	1314.70
Hempstead Lake	12478.5*	Max WS	40.80	40.80	0.01	0.00		370.67	12387.34	146.79	1300.90
Hempstead Lake	12471.1*	Max WS	40.80	40.80	0.01	0.00		383.85	12383.19	137.75	1287.01
Hempstead Lake	12463.7*	Max WS	40.80	40.80	0.01	0.00		402.48	12375.27	128.26	1272.92
Hempstead Lake	12456.2*	Max WS	40.80	40.80	0.01	0.00		414.85	12371.16	118.77	1258.50
Hempstead Lake	12448.8*	Max WS	40.80	40.80	0.01	0.00		426.37	12370.46	109.08	1243.78
Hempstead Lake	12441.3*	Max WS	40.80	40.80	0.01	0.00		444.04	12362.81	99.01	1229.75
Hempstead Lake	12433.9*	Max WS	40.80	40.80	0.01	0.00		462.01	12352.48	90.27	1215.69
Hempstead Lake	12426.4*	Max WS	40.80	40.80	0.01	0.00		471.53	12353.16	80.06	1201.56
Hempstead Lake	12419.0*	Max WS	40.80	40.79	0.01	0.00		487.42	12347.25	70.08	1186.87
Hempstead Lake	12411.5*	Max WS	40.80	40.79	0.01	0.00		495.54	12349.49	60.64	1172.12
Hempstead Lake	12404.1*	Max WS	40.80	40.79	0.01	0.00		502.63	12350.43	51.68	1157.18
Hempstead Lake	12396.6*	Max WS	40.80	40.79	0.01	0.00		508.58	12352.99	43.16	1141.93
Hempstead Lake	12389.2*	Max WS	40.80	40.79	0.01	0.00		522.12	12348.15	35.27	1126.48
Hempstead Lake	12381.8*	Max WS	40.80	40.79	0.01	0.00		532.39	12343.66	28.67	1110.20
Hempstead Lake	12374.3*	Max WS	40.80	40.79	0.01	0.00		534.51	12347.85	22.34	1093.75
Hempstead Lake	12366.9*	Max WS	40.80	40.79	0.01	0.00		544.67	12343.24	16.79	1076.88
Hempstead Lake	12359.46	Max WS	40.80	40.79	0.01	0.00		244.22	12655.00	5.46	1059.80
Hempstead Lake	12350.7*	Max WS	40.80	40.79	0.01	0.00		573.43	12814.05	13.55	1046.72
Hempstead Lake	12342.0*	Max WS	40.80	40.79	0.01	0.00		580.81	12805.69	14.53	1033.72
Hempstead Lake	12333.3*	Max WS	40.80	40.79	0.01	0.00		587.61	12797.88	15.52	1020.57
Hempstead Lake	12324.7*	Max WS	40.80	40.79	0.01	0.00		585.53	12798.99	16.48	1007.38
Hempstead Lake	12316.0*	Max WS	40.80	40.79	0.01	0.00		592.78	12790.63	17.58	994.29
Hempstead Lake	12307.3*	Max WS	40.80	40.79	0.01	0.00		599.76	12782.53	18.69	981.03
Hempstead Lake	12298.6*	Max WS	40.80	40.79	0.01	0.00		606.57	12774.55	19.84	967.75
Hempstead Lake	12289.9*	Max WS	40.80	40.79	0.01	0.00		607.28	12772.78	20.88	954.57
Hempstead Lake	12281.2*	Max WS	40.80	40.79	0.01	0.00		613.78	12765.06	22.08	941.28
Hempstead Lake	12272.5*	Max WS	40.80	40.78	0.01	0.00		611.46	12766.11	23.34	927.99
Hempstead Lake	12263.8*	Max WS	40.80	40.78	0.01	0.00		617.56	12758.75	24.59	914.77
Hempstead Lake	12255.1*	Max WS	40.80	40.78	0.01	0.00		623.32	12751.64	25.92	901.45
Hempstead Lake	12246.4*	Max WS	40.80	40.78	0.02	0.00		629.08	12744.52	27.27	888.12
Hempstead Lake	12237.7*	Max WS	40.80	40.78	0.02	0.00		633.95	12738.15	28.75	874.79
Hempstead Lake	12229.1*	Max WS	40.80	40.78	0.02	0.00		639.27	12731.39	30.18	861.43
Hempstead Lake	12220.4*	Max WS	40.80	40.78	0.02	0.00		636.02	12733.12	31.68	847.97
Hempstead Lake	12211.7*	Max WS	40.80	40.78	0.02	0.00		640.76	12726.73	33.31	834.62
Hempstead Lake	12203.0*	Max WS	40.79	40.78	0.02	0.00		644.92	12720.98	34.88	821.11
Hempstead Lake	12194.3*	Max WS	40.79	40.77	0.02	0.00		648.48	12715.90	36.37	807.69
Hempstead Lake	12185.6*	Max WS	40.79	40.77	0.02	0.00		651.88	12710.61	38.26	793.88
Hempstead Lake	12176.9*	Max WS	40.79	40.77	0.02	0.00		655.26	12705.44	40.03	780.11
Hempstead Lake	12168.2*	Max WS	40.79	40.77	0.02	0.00		644.46	12715.79	40.45	768.63
Hempstead Lake	12159.5*	Max WS	40.79	40.77	0.02	0.00		646.66	12712.30	41.73	756.52
Hempstead Lake	12150.8*	Max WS	40.79	40.77	0.02	0.00		648.20	12709.39	43.07	744.25

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12142.1*	Max WS	40.79	40.77	0.03	0.00		594.86	12765.02	40.77	731.86
Hempstead Lake	12133.5*	Max WS	40.79	40.76	0.03	0.00		591.77	12766.88	41.98	719.44
Hempstead Lake	12124.8*	Max WS	40.79	40.76	0.03	0.00		587.90	12769.48	43.23	706.77
Hempstead Lake	12116.1*	Max WS	40.79	40.76	0.03	0.00		577.67	12778.34	44.58	693.88
Hempstead Lake	12107.4*	Max WS	40.79	40.76	0.03	0.00		571.98	12782.55	46.04	680.94
Hempstead Lake	12098.7*	Max WS	40.79	40.76	0.03	0.00		565.63	12787.49	47.43	667.75
Hempstead Lake	12090.0*	Max WS	40.79	40.75	0.04	0.00		558.82	12792.81	48.90	654.42
Hempstead Lake	12081.3*	Max WS	40.79	40.75	0.04	0.00		551.15	12798.92	50.45	641.09
Hempstead Lake	12072.6*	Max WS	40.79	40.75	0.04	0.00		542.64	12806.04	51.82	627.48
Hempstead Lake	12063.9*	Max WS	40.79	40.75	0.04	0.00		528.21	12818.99	53.29	613.88
Hempstead Lake	12055.2*	Max WS	40.79	40.74	0.04	0.00		506.25	12840.59	53.61	600.01
Hempstead Lake	12046.5*	Max WS	40.79	40.74	0.05	0.00		495.13	12850.33	54.98	585.99
Hempstead Lake	12037.9*	Max WS	40.79	40.74	0.05	0.00		483.03	12861.20	56.19	572.09
Hempstead Lake	12029.2*	Max WS	40.79	40.73	0.05	0.00		469.87	12873.16	57.38	558.05
Hempstead Lake	12020.5*	Max WS	40.79	40.73	0.06	0.00		455.89	12886.10	58.39	544.06
Hempstead Lake	12011.8*	Max WS	40.79	40.73	0.06	0.00		436.98	12904.07	59.31	529.76
Hempstead Lake	12003.1*	Max WS	40.78	40.72	0.06	0.00		421.35	12918.68	60.31	515.31
Hempstead Lake	11994.45	Max WS	40.78	40.72	0.07	0.00		394.74	12934.12	71.46	500.87
Hempstead Lake	11989.45	Max WS	40.78	40.70	0.08			426.64	13395.12	74.59	499.83
Hempstead Lake	11979.45		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.73	40.65	0.08	0.00		563.86	13208.14	124.34	495.93
Hempstead Lake	11964.45	Max WS	40.73	40.65	0.09	0.00		617.38	13126.76	152.19	495.60
Hempstead Lake	11954.6*	Max WS	40.73	40.64	0.09	0.00		367.35	13414.11	114.86	504.33
Hempstead Lake	11944.8*	Max WS	40.73	40.63	0.10	0.00		380.70	13387.23	128.39	514.79
Hempstead Lake	11934.9*	Max WS	40.73	40.63	0.10	0.00		392.13	13359.27	144.91	525.73
Hempstead Lake	11925.1*	Max WS	40.73	40.63	0.10	0.00		405.23	13325.30	165.76	537.16
Hempstead Lake	11915.3*	Max WS	40.73	40.62	0.10	0.00		416.62	13288.49	191.17	548.14
Hempstead Lake	11905.5*	Max WS	40.73	40.62	0.11	0.00		428.90	13245.19	222.18	559.21
Hempstead Lake	11895.6*	Max WS	40.73	40.62	0.11	0.00		441.50	13194.37	260.38	571.08
Hempstead Lake	11885.8*	Max WS	40.73	40.61	0.11	0.00		452.74	13137.92	305.59	583.19
Hempstead Lake	11876.0*	Max WS	40.72	40.61	0.11	0.00		464.86	13070.39	360.98	595.90
Hempstead Lake	11866.2*	Max WS	40.72	40.61	0.12	0.00		475.07	12988.51	432.64	602.85
Hempstead Lake	11856.4*	Max WS	40.72	40.60	0.12	0.00		485.24	12889.03	521.93	604.50
Hempstead Lake	11846.5*	Max WS	40.72	40.60	0.12	0.00		496.49	12775.85	623.85	606.16
Hempstead Lake	11836.7*	Max WS	40.72	40.59	0.12	0.00		506.49	12650.90	738.77	607.82
Hempstead Lake	11826.9*	Max WS	40.72	40.59	0.13	0.00		516.37	12512.23	867.56	609.47
Hempstead Lake	11817.1*	Max WS	40.72	40.59	0.13	0.00		526.93	12354.97	1014.24	611.13
Hempstead Lake	11807.2*	Max WS	40.71	40.58	0.13	0.00		536.68	12182.59	1176.85	612.78
Hempstead Lake	11797.46	Max WS	40.71	40.58	0.14	0.00		444.34	12097.16	1354.60	614.44
Hempstead Lake	11792.46	Max WS	40.71	40.57	0.14			462.12	12202.79	1231.18	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	36.05	36.02	0.03	0.00		15.66	1703.86	11.77	614.44
Hempstead Lake	11627.46	Max WS	36.05	36.02	0.03	0.00		17.82	1704.29	9.17	614.44
Hempstead Lake	11623.2*	Max WS	36.05	36.03	0.02	0.00		56.32	1645.98	30.32	645.38
Hempstead Lake	11619.1*	Max WS	36.05	36.03	0.02	0.00		60.96	1643.46	28.20	670.69
Hempstead Lake	11614.94	Max WS	36.04	36.03	0.02	0.00		24.46	1695.60	11.22	685.44
Hempstead Lake	11612.94	Max WS	36.04	36.03	0.02	0.00		24.97	1697.22	10.42	686.26
Hempstead Lake	11606.9*	Max WS	36.04	36.03	0.01	0.00		69.80	1641.50	21.31	688.94
Hempstead Lake	11600.94	Max WS	36.04	36.03	0.01	0.00		30.49	1695.32	6.80	691.38
Hempstead Lake	11598.94	Max WS	36.04	36.03	0.01	0.00		31.32	1695.02	6.27	692.30
Hempstead Lake	11573.9*	Max WS	36.04	36.03	0.01	0.00		45.31	1685.74	2.87	766.62
Hempstead Lake	11548.9*	Max WS	36.04	36.04	0.00	0.00		70.58	1662.75	1.86	840.28
Hempstead Lake	11523.9*	Max WS	36.04	36.04	0.00	0.00		106.93	1628.19	1.32	915.99
Hempstead Lake	11498.9*	Max WS	36.04	36.04	0.00	0.00		154.53	1579.66	0.97	992.99
Hempstead Lake	11473.9*	Max WS	36.04	36.04	0.00	0.00		253.79	1786.26	0.85	1070.78
Hempstead Lake	11448.9*	Max WS	36.04	36.04	0.00	0.00		330.87	1709.38	0.63	1149.03
Hempstead Lake	11423.9*	Max WS	36.04	36.04	0.00	0.00		413.70	1626.70	0.46	1227.80
Hempstead Lake	11398.9*	Max WS	36.04	36.04	0.00	0.00		508.09	1532.43	0.33	1298.69
Hempstead Lake	11373.9*	Max WS	36.04	36.04	0.00	0.00		597.33	1443.25	0.23	1369.84
Hempstead Lake	11349.*	Max WS	36.04	36.04	0.00	0.00		686.48	1354.15	0.17	1441.61
Hempstead Lake	11324.*	Max WS	36.04	36.04	0.00	0.00		791.56	1249.09	0.11	1513.51
Hempstead Lake	11299.0*	Max WS	36.04	36.04	0.00	0.00		878.85	1163.68	0.08	1585.27
Hempstead Lake	11274.0*	Max WS	36.04	36.04	0.00	0.00		962.55	1079.90	0.06	1657.50
Hempstead Lake	11249.0*	Max WS	36.04	36.04	0.00	0.00		1055.70	986.66	0.04	1682.25
Hempstead Lake	11224.0*	Max WS	36.04	36.04	0.00	0.00		1131.81	908.87	0.02	1736.13
Hempstead Lake	11199.0*	Max WS	36.04	36.04	0.00	0.00		1205.19	836.98	0.02	1799.48
Hempstead Lake	11174.0*	Max WS	36.04	36.04	0.00	0.00		1272.64	768.03	0.01	1862.95
Hempstead Lake	11149.0*	Max WS	36.04	36.04	0.00	0.00		1349.44	691.20	0.01	1928.08
Hempstead Lake	11124.0*	Max WS	36.04	36.04	0.00	0.00		1409.84	632.01	0.00	1997.51
Hempstead Lake	11099.0*	Max WS	36.04	36.04	0.00	0.00		1464.19	576.41	0.00	2067.45
Hempstead Lake	11074.0*	Max WS	36.04	36.04	0.00	0.00		1527.69	512.88	0.00	2137.31
Hempstead Lake	11049.07	Max WS	36.04	36.04	0.00	0.00		1174.84	865.71	0.00	2207.20

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	11038.4*	Max WS	36.04	36.04	0.00	0.00		1532.97	507.56	0.00	2181.64
Hempstead Lake	11027.7*	Max WS	36.04	36.04	0.00	0.00		1503.46	537.85	0.00	2155.94
Hempstead Lake	11017.0*	Max WS	36.04	36.04	0.00	0.00		1458.16	582.35	0.00	2130.36
Hempstead Lake	11006.4*	Max WS	36.04	36.04	0.00	0.00		1410.83	629.66	0.00	2104.80
Hempstead Lake	10995.7*	Max WS	36.04	36.04	0.00	0.00		1374.91	666.17		2080.07
Hempstead Lake	10985.0*	Max WS	36.04	36.04	0.00	0.00		1322.70	718.28		2056.47
Hempstead Lake	10974.4*	Max WS	36.04	36.04	0.00	0.00		1281.82	758.64		2032.74
Hempstead Lake	10963.7*	Max WS	36.04	36.04	0.00	0.00		1225.47	815.35		2007.21
Hempstead Lake	10953.1*	Max WS	36.04	36.04	0.00	0.00		1167.03	873.71		1933.81
Hempstead Lake	10942.4*	Max WS	36.04	36.04	0.00	0.00		1120.89	919.53		1810.62
Hempstead Lake	10931.7*	Max WS	36.04	36.04	0.00	0.00		1059.20	981.40		1772.97
Hempstead Lake	10921.1*	Max WS	36.04	36.04	0.00	0.00		995.88	1044.52		1753.29
Hempstead Lake	10910.4*	Max WS	36.04	36.04	0.00	0.00		944.76	1095.61		1733.91
Hempstead Lake	10899.7*	Max WS	36.04	36.04	0.00	0.00		879.50	1160.91		1714.67
Hempstead Lake	10889.1*	Max WS	36.04	36.04	0.00	0.00		814.19	1226.15		1695.83
Hempstead Lake	10878.4*	Max WS	36.04	36.04	0.00	0.00		761.07	1279.26		1676.84
Hempstead Lake	10867.8*	Max WS	36.04	36.04	0.00	0.00		696.06	1344.15		1657.85
Hempstead Lake	10857.1*	Max WS	36.04	36.04	0.00	0.00		643.17	1397.14		1639.10
Hempstead Lake	10846.4*	Max WS	36.04	36.04	0.00	0.00		580.63	1459.67		1620.26
Hempstead Lake	10835.8*	Max WS	36.04	36.04	0.00	0.00		520.28	1520.00		1601.49
Hempstead Lake	10825.1*	Max WS	36.04	36.04	0.00	0.00		470.73	1569.52		1582.95
Hempstead Lake	10814.4*	Max WS	36.04	36.04	0.00	0.00		415.16	1625.07		1564.29
Hempstead Lake	10803.8*	Max WS	36.04	36.04	0.00	0.00		362.73	1677.08		1545.78
Hempstead Lake	10793.1*	Max WS	36.04	36.04	0.00	0.00		319.99	1720.22		1527.30
Hempstead Lake	10782.4*	Max WS	36.04	36.04	0.00	0.00		275.50	1764.69		1508.87
Hempstead Lake	10771.8*	Max WS	36.04	36.04	0.00	0.00		235.48	1804.12		1490.61
Hempstead Lake	10761.1*	Max WS	36.04	36.04	0.00	0.00		203.38	1836.78		1472.36
Hempstead Lake	10750.5*	Max WS	36.04	36.04	0.00	0.00		170.47	1869.01		1454.12
Hempstead Lake	10739.8*	Max WS	36.04	36.04	0.00	0.00		141.31	1898.82		1435.99
Hempstead Lake	10729.1*	Max WS	36.04	36.04	0.00	0.00		117.96	1922.14		1417.92
Hempstead Lake	10718.5*	Max WS	36.04	36.04	0.00	0.00		95.34	1943.94		1400.00
Hempstead Lake	10707.8*	Max WS	36.04	36.04	0.00	0.00		77.36	1962.71		1382.28
Hempstead Lake	10697.1*	Max WS	36.04	36.04	0.00	0.00		60.59	1979.46		1364.46
Hempstead Lake	10686.5*	Max WS	36.04	36.04	0.00	0.00		46.59	1992.50		1346.46
Hempstead Lake	10675.8*	Max WS	36.04	36.04	0.00	0.00		35.79	2004.22		1328.10
Hempstead Lake	10665.2*	Max WS	36.04	36.04	0.00	0.00		26.27	2013.72		1310.20
Hempstead Lake	10654.5*	Max WS	36.04	36.04	0.00	0.00		18.72	2021.24		1292.47
Hempstead Lake	10643.8*	Max WS	36.04	36.04	0.00	0.00		13.09	2026.85		1275.28
Hempstead Lake	10633.2*	Max WS	36.04	36.04	0.00	0.00		8.55	2031.37		1258.36
Hempstead Lake	10622.5*	Max WS	36.04	36.04	0.00	0.00		5.24	2034.66		1241.70
Hempstead Lake	10611.8*	Max WS	36.04	36.04	0.00	0.00		2.99	2036.88		1225.69
Hempstead Lake	10601.2*	Max WS	36.04	36.04	0.00	0.00		1.46	2038.39		1210.08
Hempstead Lake	10590.5*	Max WS	36.04	36.04	0.00	0.00		0.58	2039.25		1194.66
Hempstead Lake	10579.8*	Max WS	36.04	36.04	0.00	0.00		0.14	2039.66		1179.45
Hempstead Lake	10569.23	Max WS	36.04	36.04	0.00	0.00		0.00	2039.78		1164.46
Hempstead Lake	10549.1*	Max WS	36.04	36.04	0.00	0.00		0.00	2039.75		1160.96
Hempstead Lake	10529.0*	Max WS	36.04	36.04	0.00	0.00		0.00	2039.72		1157.30
Hempstead Lake	10508.9*	Max WS	36.04	36.04	0.00	0.00		0.00	2039.69		1153.77
Hempstead Lake	10488.7*	Max WS	36.04	36.04	0.00	0.00		0.00	2039.66		1149.70
Hempstead Lake	10468.6*	Max WS	36.04	36.04	0.00	0.00			2039.64		1144.04
Hempstead Lake	10448.5*	Max WS	36.04	36.04	0.00	0.00			2039.61		1136.89
Hempstead Lake	10428.4*	Max WS	36.04	36.04	0.00	0.00			2039.58		1130.66
Hempstead Lake	10408.3*	Max WS	36.04	36.04	0.00	0.00			2039.55		1124.30
Hempstead Lake	10388.2*	Max WS	36.04	36.04	0.00	0.00			2039.52		1118.95
Hempstead Lake	10368.1*	Max WS	36.04	36.04	0.00	0.00			2041.26		1115.74
Hempstead Lake	10348.0*	Max WS	36.04	36.04	0.00	0.00			2039.45		1112.64
Hempstead Lake	10327.9*	Max WS	36.04	36.04	0.00	0.00			2039.42		1109.57
Hempstead Lake	10307.8*	Max WS	36.04	36.04	0.00	0.00			2039.39		1106.73
Hempstead Lake	10287.7*	Max WS	36.04	36.04	0.00	0.00			2039.35		1103.94
Hempstead Lake	10267.6*	Max WS	36.04	36.04	0.00	0.00			2041.26		1101.16
Hempstead Lake	10247.4*	Max WS	36.04	36.04	0.00	0.00			2039.28		1098.45
Hempstead Lake	10227.3*	Max WS	36.04	36.04	0.00	0.00			2041.26		1095.89
Hempstead Lake	10207.2*	Max WS	36.04	36.04	0.00	0.00			2041.25		1093.39
Hempstead Lake	10187.1*	Max WS	36.04	36.04	0.00	0.00			2039.16		1090.89
Hempstead Lake	10167.0*	Max WS	36.04	36.04	0.00	0.00			2039.12		1088.43
Hempstead Lake	10146.9*	Max WS	36.04	36.04	0.00	0.00			2039.07		1086.21
Hempstead Lake	10126.8*	Max WS	36.04	36.04	0.00	0.00			2041.23		1083.87
Hempstead Lake	10106.7*	Max WS	36.04	36.04	0.00	0.00		0.00	2041.21		1094.02
Hempstead Lake	10086.6*	Max WS	36.04	36.04	0.00	0.00		0.02	2041.18		1158.10
Hempstead Lake	10066.5*	Max WS	36.04	36.04	0.00	0.00		0.08	2041.10		1168.78
Hempstead Lake	10046.4*	Max WS	36.04	36.04	0.00	0.00		0.21	2038.65		1179.69
Hempstead Lake	10026.2*	Max WS	36.04	36.04	0.00	0.00		0.37	2038.43		1191.25

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frcln Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10006.1*	Max WS	36.04	36.04	0.00	0.00		0.59	2038.16		1202.81
Hempstead Lake	9986.073	Max WS	36.04	36.04	0.00	0.00		0.77	2040.38		1214.47
Hempstead Lake	9965.77*	Max WS	36.04	36.04	0.00	0.00		0.68	2040.45	0.00	1212.96
Hempstead Lake	9945.47*	Max WS	36.04	36.04	0.00	0.00		0.56	2040.55	0.00	1210.19
Hempstead Lake	9925.18*	Max WS	36.04	36.04	0.00	0.00		0.45	2040.64	0.01	1206.71
Hempstead Lake	9904.88*	Max WS	36.04	36.04	0.00	0.00		0.35	2040.71	0.01	1202.18
Hempstead Lake	9884.59*	Max WS	36.04	36.04	0.00	0.00		0.26	2038.13	0.02	1198.08
Hempstead Lake	9864.29*	Max WS	36.04	36.04	0.00	0.00		0.18	2040.82	0.04	1195.42
Hempstead Lake	9843.99*	Max WS	36.04	36.04	0.00	0.00		0.11	2040.84	0.06	1191.29
Hempstead Lake	9823.7*	Max WS	36.04	36.04	0.00	0.00		0.05	2040.84	0.09	1180.29
Hempstead Lake	9803.40*	Max WS	36.04	36.04	0.00	0.00		0.04	2040.79	0.12	1115.96
Hempstead Lake	9783.10*	Max WS	36.04	36.04	0.00	0.00		0.02	2040.73	0.16	1100.84
Hempstead Lake	9762.81*	Max WS	36.04	36.04	0.00	0.00		0.02	2040.68	0.20	1083.77
Hempstead Lake	9742.51*	Max WS	36.04	36.04	0.00	0.00		0.03	2040.60	0.25	1064.10
Hempstead Lake	9722.21*	Max WS	36.04	36.04	0.00	0.00		0.04	2040.49	0.30	1049.83
Hempstead Lake	9701.92*	Max WS	36.04	36.04	0.00	0.00		0.07	2040.36	0.38	1047.57
Hempstead Lake	9681.62*	Max WS	36.04	36.04	0.00	0.00		0.09	2043.11	0.47	1045.05
Hempstead Lake	9661.32*	Max WS	36.04	36.04	0.00	0.00		0.13	2040.07	0.56	1042.58
Hempstead Lake	9641.03*	Max WS	36.04	36.04	0.00	0.00		0.16	2039.90	0.66	1039.90
Hempstead Lake	9620.73*	Max WS	36.04	36.04	0.00	0.00		0.21	2039.71	0.77	1037.06
Hempstead Lake	9600.43*	Max WS	36.04	36.04	0.00	0.00		0.26	2042.51	0.89	1034.25
Hempstead Lake	9580.14*	Max WS	36.04	36.04	0.00	0.00		0.30	2042.35	0.99	1031.46
Hempstead Lake	9559.84*	Max WS	36.04	36.04	0.00	0.00		0.36	2042.15	1.12	1028.57
Hempstead Lake	9539.54*	Max WS	36.04	36.04	0.00	0.00		0.41	2041.94	1.26	1027.09
Hempstead Lake	9519.25*	Max WS	36.04	36.04	0.00	0.00		0.47	2041.72	1.42	1026.55
Hempstead Lake	9498.95*	Max WS	36.04	36.04	0.00	0.00		0.53	2041.47	1.59	1024.66
Hempstead Lake	9478.65*	Max WS	36.04	36.04	0.00	0.00		0.62	2041.21	1.76	1021.28
Hempstead Lake	9458.36*	Max WS	36.04	36.04	0.00	0.00		0.71	2040.91	1.95	1017.89
Hempstead Lake	9438.06*	Max WS	36.04	36.04	0.00	0.00		0.81	2040.60	2.14	1015.79
Hempstead Lake	9417.76*	Max WS	36.04	36.04	0.00	0.00		0.92	2040.27	2.34	1013.95
Hempstead Lake	9397.47*	Max WS	36.04	36.04	0.00	0.00		1.04	2039.92	2.55	1011.89
Hempstead Lake	9377.17*	Max WS	36.04	36.04	0.00	0.00		1.17	2039.54	2.77	1009.77
Hempstead Lake	9356.87*	Max WS	36.04	36.04	0.00	0.00		1.30	2039.14	3.01	1007.63
Hempstead Lake	9336.58*	Max WS	36.04	36.04	0.00	0.00		1.45	2038.72	3.26	1005.47
Hempstead Lake	9316.28*	Max WS	36.04	36.04	0.00	0.00		1.60	2038.28	3.52	1003.07
Hempstead Lake	9295.98*	Max WS	36.04	36.04	0.00	0.00		1.77	2041.11	3.80	1000.90
Hempstead Lake	9275.69*	Max WS	36.04	36.04	0.00	0.00		1.95	2037.34	4.07	998.68
Hempstead Lake	9255.39*	Max WS	36.04	36.04	0.00	0.00		2.13	2036.82	4.37	996.53
Hempstead Lake	9235.09*	Max WS	36.04	36.04	0.00	0.00		2.33	2039.64	4.69	994.22
Hempstead Lake	9214.80*	Max WS	36.04	36.04	0.00	0.00		2.54	2039.10	5.01	992.07
Hempstead Lake	9194.50*	Max WS	36.04	36.04	0.00	0.00		2.76	2038.53	5.34	989.57
Hempstead Lake	9174.20*	Max WS	36.04	36.04	0.00	0.00		3.00	2037.92	5.69	987.46
Hempstead Lake	9153.910	Max WS	36.04	36.04	0.00	0.00		3.26	2038.09	5.24	985.11
Hempstead Lake	9133.22*	Max WS	36.04	36.04	0.00	0.00		3.27	2099.81	5.26	991.90
Hempstead Lake	9112.54*	Max WS	36.04	36.04	0.00	0.00		3.20	2103.28	5.15	998.78
Hempstead Lake	9091.85*	Max WS	36.04	36.04	0.00	0.00		3.12	2100.13	5.03	1005.81
Hempstead Lake	9071.17*	Max WS	36.04	36.04	0.00	0.00		3.05	2103.64	4.93	1012.92
Hempstead Lake	9050.49*	Max WS	36.04	36.04	0.00	0.00		2.98	2103.81	4.82	1020.28
Hempstead Lake	9029.80*	Max WS	36.04	36.04	0.00	0.00		2.90	2100.60	4.70	1027.89
Hempstead Lake	9009.12*	Max WS	36.04	36.04	0.00	0.00		2.82	2100.75	4.60	1035.54
Hempstead Lake	8988.44*	Max WS	36.04	36.04	0.00	0.00		2.75	2104.34	4.49	1043.23
Hempstead Lake	8967.75*	Max WS	36.04	36.04	0.00	0.00		2.70	2107.81	4.38	1051.13
Hempstead Lake	8947.07*	Max WS	36.04	36.04	0.00	0.00		2.63	2107.98	4.28	1059.17
Hempstead Lake	8926.39*	Max WS	36.04	36.04	0.00	0.00		2.56	2104.79	4.15	1067.41
Hempstead Lake	8905.70*	Max WS	36.04	36.04	0.00	0.00		2.58	2108.11	4.19	1075.71
Hempstead Lake	8885.02*	Max WS	36.04	36.04	0.00	0.00		2.52	2111.57	4.08	1084.37
Hempstead Lake	8864.33*	Max WS	36.04	36.04	0.00	0.00		2.46	2108.43	3.96	1093.17
Hempstead Lake	8843.65*	Max WS	36.04	36.04	0.00	0.00		2.40	2108.60	3.85	1102.34
Hempstead Lake	8822.97*	Max WS	36.04	36.04	0.00	0.00		2.35	2112.09	3.74	1111.85
Hempstead Lake	8802.28*	Max WS	36.04	36.04	0.00	0.00		2.29	2112.25	3.63	1121.51
Hempstead Lake	8781.60*	Max WS	36.04	36.04	0.00	0.00		2.25	2112.39	3.52	1132.27
Hempstead Lake	8760.92*	Max WS	36.04	36.04	0.00	0.00		2.21	2109.15	3.40	1143.14
Hempstead Lake	8740.23*	Max WS	36.04	36.04	0.00	0.00		2.05	2109.39	3.29	1166.00
Hempstead Lake	8719.55*	Max WS	36.04	36.04	0.00	0.00		1.91	2113.04	3.18	1197.84
Hempstead Lake	8698.86*	Max WS	36.04	36.04	0.00	0.00		1.81	2113.22	3.08	1234.46
Hempstead Lake	8678.18*	Max WS	36.04	36.04	0.00	0.00		1.68	2116.78	2.97	1300.48
Hempstead Lake	8657.50*	Max WS	36.04	36.04	0.00	0.00		1.77	2116.79	2.86	1342.72
Hempstead Lake	8636.81*	Max WS	36.04	36.04	0.00	0.00		1.59	1749.68	2.28	1382.85
Hempstead Lake	8616.13*	Max WS	36.04	36.04	0.00	0.00		1.73	1749.61	2.19	1434.54
Hempstead Lake	8595.45*	Max WS	36.04	36.04	0.00	0.00		1.94	1747.69	2.10	1484.31
Hempstead Lake	8574.76*	Max WS	36.04	36.04	0.00	0.00		2.25	1749.24	2.01	1510.73
Hempstead Lake	8554.08*	Max WS	36.04	36.04	0.00	0.00		2.62	1747.15	1.92	1529.48

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8533.39*	Max WS	36.04	36.04	0.00	0.00		3.00	1746.83	1.84	1554.56
Hempstead Lake	8512.71*	Max WS	36.04	36.04	0.00	0.00		3.41	1743.32	1.74	1578.52
Hempstead Lake	8492.03*	Max WS	36.04	36.04	0.00	0.00		3.88	1742.92	1.66	1600.49
Hempstead Lake	8471.34*	Max WS	36.04	36.04	0.00	0.00		4.37	1742.49	1.58	1623.01
Hempstead Lake	8450.66*	Max WS	36.04	36.04	0.00	0.00		4.89	1739.50	1.49	1644.07
Hempstead Lake	8429.980	Max WS	36.04	36.04	0.00	0.00		5.38	1740.29	1.39	1664.78
Hempstead Lake	8416.34*	Max WS	36.04	36.04	0.00	0.00		5.21	1739.26	1.39	1673.88
Hempstead Lake	8402.71*	Max WS	36.04	36.04	0.00	0.00		5.04	1738.41	1.39	1684.42
Hempstead Lake	8389.07*	Max WS	36.04	36.04	0.00	0.00		4.86	1739.61	1.39	1695.64
Hempstead Lake	8375.44*	Max WS	36.04	36.04	0.00	0.00		4.70	1737.91	1.39	1706.43
Hempstead Lake	8361.81*	Max WS	36.04	36.04	0.00	0.00		4.54	1737.44	1.39	1717.80
Hempstead Lake	8348.17*	Max WS	36.04	36.04	0.00	0.00		4.40	1737.57	1.39	1729.59
Hempstead Lake	8334.54*	Max WS	36.04	36.04	0.00	0.00		4.25	1737.06	1.40	1741.37
Hempstead Lake	8320.91*	Max WS	36.04	36.04	0.00	0.00		4.13	1737.16	1.39	1750.72
Hempstead Lake	8307.27*	Max WS	36.04	36.04	0.00	0.00		4.01	1737.27	1.40	1760.12
Hempstead Lake	8293.64*	Max WS	36.04	36.04	0.00	0.00		3.89	1737.63	1.40	1769.58
Hempstead Lake	8280.00*	Max WS	36.04	36.04	0.00	0.00		3.78	1737.51	1.40	1780.00
Hempstead Lake	8266.37*	Max WS	36.04	36.04	0.00	0.00		3.67	1737.84	1.40	1792.24
Hempstead Lake	8252.74*	Max WS	36.04	36.04	0.00	0.00		3.54	1737.73	1.40	1805.99
Hempstead Lake	8239.10*	Max WS	36.04	36.04	0.00	0.00		3.44	1739.22	1.40	1819.30
Hempstead Lake	8225.47*	Max WS	36.04	36.04	0.00	0.00		3.35	1740.24	1.40	1831.94
Hempstead Lake	8211.84*	Max WS	36.04	36.04	0.00	0.00		3.26	1741.51	1.41	1845.67
Hempstead Lake	8198.20*	Max WS	36.04	36.04	0.00	0.00		3.17	1741.59	1.41	1858.80
Hempstead Lake	8184.57*	Max WS	36.04	36.04	0.00	0.00		3.10	1746.70	1.42	1872.12
Hempstead Lake	8170.93*	Max WS	36.04	36.04	0.00	0.00		3.02	1748.93	1.42	1885.65
Hempstead Lake	8157.30*	Max WS	36.04	36.04	0.00	0.00		2.95	1751.45	1.42	1901.48
Hempstead Lake	8143.67*	Max WS	36.04	36.04	0.00	0.00		2.88	1751.52	1.42	1921.40
Hempstead Lake	8130.03*	Max WS	36.04	36.04	0.00	0.00		2.80	1751.59	1.42	1941.57
Hempstead Lake	8116.40*	Max WS	36.04	36.04	0.00	0.00		2.76	1767.65	1.43	1964.47
Hempstead Lake	8102.76*	Max WS	36.04	36.04	0.00	0.00		2.70	1775.88	1.45	1992.53
Hempstead Lake	8089.13*	Max WS	36.04	36.04	0.00	0.00		3.31	1763.39	1.44	1934.26
Hempstead Lake	8075.50*	Max WS	36.04	36.04	0.00	0.00		3.76	1986.73	1.62	1935.19
Hempstead Lake	8061.86*	Max WS	36.04	36.04	0.00	0.00		3.79	1986.69	1.62	1940.57
Hempstead Lake	8048.23*	Max WS	36.04	36.04	0.00	0.00		3.82	1971.32	1.61	1945.60
Hempstead Lake	8034.6*	Max WS	36.04	36.04	0.00	0.00		3.90	1978.94	1.62	1959.99
Hempstead Lake	8020.96*	Max WS	36.04	36.04	0.00	0.00		3.95	1971.18	1.61	1980.15
Hempstead Lake	8007.33*	Max WS	36.04	36.04	0.00	0.00		4.00	1971.12	1.61	2022.45
Hempstead Lake	7993.69*	Max WS	36.04	36.04	0.00	0.00		4.06	1955.54	1.60	2055.12
Hempstead Lake	7980.06*	Max WS	36.04	36.04	0.00	0.00		4.17	1955.43	1.60	2115.89
Hempstead Lake	7966.43*	Max WS	36.04	36.04	0.00	0.00		4.31	1963.05	1.60	2164.05
Hempstead Lake	7952.79*	Max WS	36.04	36.04	0.00	0.00		4.48	1970.60	1.61	2208.58
Hempstead Lake	7939.16*	Max WS	36.04	36.04	0.00	0.00		4.65	1970.41	1.62	2257.12
Hempstead Lake	7925.53*	Max WS	36.04	36.04	0.00	0.00		4.77	1939.22	1.59	2296.58
Hempstead Lake	7911.89*	Max WS	36.04	36.04	0.00	0.00		4.99	1946.81	1.60	2337.33
Hempstead Lake	7898.26*	Max WS	36.04	36.04	0.00	0.00		5.23	1954.34	1.61	2379.95
Hempstead Lake	7884.62*	Max WS	36.04	36.04	0.00	0.00		4.82	1946.97	1.61	2921.12
Hempstead Lake	7870.99*	Max WS	36.04	36.04	0.00	0.00		5.32	1961.98	1.62	2924.96
Hempstead Lake	7857.36*	Max WS	36.04	36.04	0.00	0.00		5.84	1961.43	1.62	2930.51
Hempstead Lake	7843.72*	Max WS	36.04	36.04	0.00	0.00		6.35	1953.20	1.61	2935.37
Hempstead Lake	7830.09*	Max WS	36.04	36.04	0.00	0.00		6.92	1944.86	1.60	2940.99
Hempstead Lake	7816.45*	Max WS	36.04	36.04	0.00	0.00		7.51	1936.48	1.59	2947.18
Hempstead Lake	7802.82*	Max WS	36.04	36.04	0.00	0.00		8.19	1951.31	1.60	2954.02
Hempstead Lake	7789.19*	Max WS	36.04	36.04	0.00	0.00		8.84	1942.91	1.60	2960.66
Hempstead Lake	7775.55*	Max WS	36.04	36.04	0.00	0.00		9.57	1949.90	1.60	2967.54
Hempstead Lake	7761.92*	Max WS	36.04	36.04	0.00	0.00		10.16	1926.07	1.59	2975.64
Hempstead Lake	7748.29*	Max WS	36.04	36.04	0.00	0.00		10.99	1940.75	1.60	2983.30
Hempstead Lake	7734.65*	Max WS	36.04	36.04	0.00	0.00		11.77	1939.95	1.60	2991.94
Hempstead Lake	7721.02*	Max WS	36.04	36.04	0.00	0.00		12.59	1939.11	1.60	3000.83
Hempstead Lake	7707.38*	Max WS	36.04	36.04	0.00	0.00		13.32	1930.67	1.59	3009.62
Hempstead Lake	7693.75*	Max WS	36.04	36.04	0.00	0.00		14.23	1937.44	1.60	3020.05
Hempstead Lake	7680.12*	Max WS	36.04	36.04	0.00	0.00		14.99	1929.00	1.60	3030.88
Hempstead Lake	7666.48*	Max WS	36.04	36.04	0.00	0.00		15.89	1928.09	1.60	3042.49
Hempstead Lake	7652.85*	Max WS	36.04	36.04	0.00	0.00		16.75	1927.22	1.60	3054.05
Hempstead Lake	7639.22*	Max WS	36.04	36.04	0.00	0.00		17.75	1933.85	1.61	3065.97
Hempstead Lake	7625.58*	Max WS	36.04	36.04	0.00	0.00		18.64	1925.43	1.48	3118.74
Hempstead Lake	7611.95*	Max WS	36.04	36.04	0.00	0.00		19.54	1924.49	1.49	3138.39
Hempstead Lake	7598.31*	Max WS	36.04	36.04	0.00	0.00		20.50	1923.49	1.52	3151.75
Hempstead Lake	7584.68*	Max WS	36.04	36.04	0.00	0.00		21.53	1930.05	1.56	3165.76
Hempstead Lake	7571.05*	Max WS	36.04	36.04	0.00	0.00		22.35	1913.97	1.58	3179.24
Hempstead Lake	7557.41*	Max WS	36.04	36.04	0.00	0.00		23.50	1927.97	1.63	3192.47
Hempstead Lake	7543.783	Max WS	36.04	36.04	0.00	0.00		24.72	1919.08	1.69	3207.01
Hempstead Lake	7530.03*	Max WS	36.04	36.04	0.00	0.00		26.44	1940.11	1.92	3229.91

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7516.28*	Max WS	36.04	36.04	0.00	0.00		27.39	1939.11	1.94	3262.93
Hempstead Lake	7502.53*	Max WS	36.04	36.04	0.00	0.00		28.46	1945.56	2.00	3290.99
Hempstead Lake	7488.79*	Max WS	36.04	36.04	0.00	0.00		29.44	1944.49	2.07	3315.62
Hempstead Lake	7475.04*	Max WS	36.04	36.04	0.00	0.00		30.34	1935.92	2.16	3322.46
Hempstead Lake	7461.29*	Max WS	36.04	36.04	0.00	0.00		31.46	1942.21	2.27	3329.14
Hempstead Lake	7447.54*	Max WS	36.04	36.04	0.00	0.00		32.48	1941.05	2.36	3336.96
Hempstead Lake	7433.79*	Max WS	36.04	36.04	0.00	0.00		33.39	1932.58	2.45	3344.01
Hempstead Lake	7420.04*	Max WS	36.04	36.04	0.00	0.00		34.31	1924.09	2.53	3351.55
Hempstead Lake	7406.3*	Max WS	36.04	36.04	0.00	0.00		35.38	1922.92	2.63	3359.04
Hempstead Lake	7392.55*	Max WS	36.04	36.04	0.00	0.00		36.75	1936.32	2.74	3367.24
Hempstead Lake	7378.80*	Max WS	36.04	36.04	0.00	0.00		37.71	1927.83	2.82	3376.47
Hempstead Lake	7365.05*	Max WS	36.04	36.04	0.00	0.00		38.81	1926.61	2.91	3385.52
Hempstead Lake	7351.30*	Max WS	36.04	36.04	0.00	0.00		40.05	1932.67	3.00	3397.09
Hempstead Lake	7337.55*	Max WS	36.04	36.04	0.00	0.00		40.84	1917.05	3.06	3408.63
Hempstead Lake	7323.81*	Max WS	36.04	36.04	0.00	0.00		42.26	1930.25	3.17	3420.31
Hempstead Lake	7310.06*	Max WS	36.04	36.04	0.00	0.00		43.41	1928.85	3.26	3433.73
Hempstead Lake	7296.31*	Max WS	36.04	36.04	0.00	0.00		44.55	1927.36	3.33	3446.48
Hempstead Lake	7282.56*	Max WS	36.04	36.04	0.00	0.00		45.70	1925.77	3.40	3459.96
Hempstead Lake	7268.81*	Max WS	36.04	36.04	0.00	0.00		46.88	1924.26	3.48	3474.68
Hempstead Lake	7255.06*	Max WS	36.04	36.04	0.00	0.00		47.91	1916.42	3.54	3488.85
Hempstead Lake	7241.32*	Max WS	36.04	36.04	0.00	0.00		49.12	1915.10	3.61	3504.75
Hempstead Lake	7227.57*	Max WS	36.04	36.04	0.00	0.00		50.34	1913.79	3.68	3520.51
Hempstead Lake	7213.82*	Max WS	36.04	36.04	0.00	0.00		51.54	1912.41	3.74	3537.05
Hempstead Lake	7200.07*	Max WS	36.04	36.04	0.00	0.00		52.92	1917.21	3.82	3554.52
Hempstead Lake	7186.32*	Max WS	36.04	36.04	0.00	0.00		54.01	1909.46	3.87	3572.57
Hempstead Lake	7172.57*	Max WS	36.04	36.04	0.00	0.00		55.33	1913.98	3.94	3597.51
Hempstead Lake	7158.83*	Max WS	36.04	36.04	0.00	0.00		52.77	1787.34	126.88	5407.39
Hempstead Lake	7145.08*	Max WS	36.04	36.04	0.00	0.00		53.81	1783.80	129.09	5438.89
Hempstead Lake	7131.33*	Max WS	36.04	36.04	0.00	0.00		55.04	1785.35	131.80	5471.90
Hempstead Lake	7117.58*	Max WS	36.04	36.04	0.00	0.00		56.11	1781.56	134.22	5505.31
Hempstead Lake	7103.83*	Max WS	36.04	36.04	0.00	0.00		57.11	1775.25	134.06	5538.83
Hempstead Lake	7090.08*	Max WS	36.04	36.04	0.00	0.00		54.49	1783.78	133.28	5562.80
Hempstead Lake	7076.34*	Max WS	36.04	36.04	0.00	0.00		55.67	1775.03	135.48	5572.30
Hempstead Lake	7062.59*	Max WS	36.04	36.04	0.00	0.00		56.78	1776.33	137.70	5582.09
Hempstead Lake	7048.84*	Max WS	36.04	36.04	0.00	0.00		58.00	1770.14	137.58	5591.58
Hempstead Lake	7035.09*	Max WS	36.04	36.04	0.00	0.00		59.21	1761.77	140.06	5601.06
Hempstead Lake	7021.34*	Max WS	36.04	36.04	0.00	0.00		60.52	1757.49	142.99	5610.77
Hempstead Lake	7007.6*	Max WS	36.04	36.04	0.00	0.00		61.98	1757.12	146.40	5620.24
Hempstead Lake	6993.85*	Max WS	36.04	36.04	0.00	0.00		63.32	1752.53	149.63	5630.03
Hempstead Lake	6980.10*	Max WS	36.04	36.04	0.00	0.00		64.76	1750.74	149.94	5639.48
Hempstead Lake	6966.35*	Max WS	36.04	36.04	0.00	0.00		66.06	1745.92	153.42	5617.04
Hempstead Lake	6952.60*	Max WS	36.04	36.04	0.00	0.00		67.41	1740.93	157.02	5576.10
Hempstead Lake	6938.85*	Max WS	36.04	36.04	0.00	0.00		68.71	1735.48	161.13	5556.53
Hempstead Lake	6925.11*	Max WS	36.04	36.04	0.00	0.00		69.97	1729.18	161.85	5551.65
Hempstead Lake	6911.36*	Max WS	36.04	36.04	0.00	0.00		71.44	1726.95	166.87	5548.03
Hempstead Lake	6897.61*	Max WS	36.04	36.04	0.00	0.00		72.72	1720.69	171.82	5544.72
Hempstead Lake	6883.86*	Max WS	36.04	36.04	0.00	0.00		73.84	1710.47	176.71	5542.69
Hempstead Lake	6870.11*	Max WS	36.04	36.04	0.00	0.00		75.61	1714.84	178.85	5540.37
Hempstead Lake	6856.36*	Max WS	36.04	36.04	0.00	0.00		76.73	1704.29	184.14	5538.49
Hempstead Lake	6842.62*	Max WS	36.04	36.04	0.00	0.00		77.96	1697.01	190.14	5537.38
Hempstead Lake	6828.87*	Max WS	36.04	36.04	0.00	0.00		79.20	1689.24	196.63	5535.32
Hempstead Lake	6815.12*	Max WS	36.04	36.04	0.00	0.00		80.63	1685.85	198.55	5533.41
Hempstead Lake	6801.37*	Max WS	36.04	36.04	0.00	0.00		81.63	1673.53	205.82	5525.75
Hempstead Lake	6787.62*	Max WS	36.04	36.04	0.00	0.00		82.94	1668.18	213.79	5524.24
Hempstead Lake	6773.87*	Max WS	36.04	36.04	0.00	0.00		84.74	1652.69	223.52	5523.41
Hempstead Lake	6760.13*	Max WS	36.04	36.04	0.00	0.00		86.19	1648.79	225.94	5522.80
Hempstead Lake	6746.38*	Max WS	36.04	36.04	0.00	0.00		87.32	1638.76	234.68	5522.69
Hempstead Lake	6732.634	Max WS	36.04	36.04	0.00	0.00		87.49	1628.69	248.27	5519.84
Hempstead Lake	6718.98*	Max WS	36.04	36.04	0.00	0.00		101.58	1616.01	246.45	5496.54
Hempstead Lake	6705.33*	Max WS	36.04	36.04	0.00	0.00		103.69	1608.83	251.10	5472.22
Hempstead Lake	6691.68*	Max WS	36.04	36.04	0.00	0.00		106.02	1611.06	249.29	5446.90
Hempstead Lake	6678.03*	Max WS	36.04	36.04	0.00	0.00		106.73	1602.70	253.79	5418.37
Hempstead Lake	6664.38*	Max WS	36.04	36.04	0.00	0.00		108.48	1594.06	258.16	5387.03
Hempstead Lake	6650.72*	Max WS	36.04	36.04	0.00	0.00		110.52	1588.82	263.33	5354.33
Hempstead Lake	6637.07*	Max WS	36.04	36.04	0.00	0.00		112.55	1588.45	261.37	5319.90
Hempstead Lake	6623.42*	Max WS	36.04	36.04	0.00	0.00		114.60	1581.06	266.43	5281.76
Hempstead Lake	6609.77*	Max WS	36.04	36.04	0.00	0.00		116.63	1572.72	271.09	5236.25
Hempstead Lake	6596.12*	Max WS	36.04	36.04	0.00	0.00		118.88	1566.38	276.33	5216.60
Hempstead Lake	6582.47*	Max WS	36.04	36.04	0.00	0.00		120.69	1566.00	274.60	5200.13
Hempstead Lake	6568.82*	Max WS	36.04	36.04	0.00	0.00		123.74	1558.10	279.27	5184.19
Hempstead Lake	6555.17*	Max WS	36.04	36.04	0.00	0.00		126.21	1550.56	284.30	5168.09
Hempstead Lake	6541.52*	Max WS	36.04	36.04	0.00	0.00		127.80	1543.95	289.29	5152.36

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6527.87*	Max WS	36.04	36.04	0.00	0.00		130.40	1536.30	294.31	5137.09
Hempstead Lake	6514.22*	Max WS	36.04	36.04	0.00	0.00		133.70	1534.94	292.34	5124.67
Hempstead Lake	6500.57*	Max WS	36.04	36.04	0.00	0.00		136.66	1526.81	296.90	5109.76
Hempstead Lake	6486.91*	Max WS	36.04	36.04	0.00	0.00		139.71	1519.70	302.06	5093.95
Hempstead Lake	6473.26*	Max WS	36.04	36.04	0.00	0.00		168.86	1787.87	3.61	3746.13
Hempstead Lake	6459.61*	Max WS	36.04	36.04	0.00	0.00		172.23	1785.66	3.46	3740.07
Hempstead Lake	6445.96*	Max WS	36.04	36.04	0.00	0.00		176.61	1780.31	3.39	3734.02
Hempstead Lake	6432.31*	Max WS	36.04	36.04	0.00	0.00		182.99	1774.56	3.24	3727.97
Hempstead Lake	6418.66*	Max WS	36.04	36.04	0.00	0.00		186.89	1770.34	3.09	3721.91
Hempstead Lake	6405.01*	Max WS	36.04	36.04	0.00	0.00		192.08	1765.22	3.00	3715.86
Hempstead Lake	6391.36*	Max WS	36.04	36.04	0.00	0.00		197.45	1759.99	2.84	3709.80
Hempstead Lake	6377.71*	Max WS	36.04	36.04	0.00	0.00		203.13	1754.46	2.69	3703.75
Hempstead Lake	6364.06*	Max WS	36.04	36.04	0.00	0.00		210.43	1747.21	2.63	3682.09
Hempstead Lake	6350.41*	Max WS	36.04	36.04	0.00	0.00		216.86	1741.60	2.49	3669.66
Hempstead Lake	6336.76*	Max WS	36.04	36.04	0.00	0.00		223.49	1734.73	2.35	3657.90
Hempstead Lake	6323.11*	Max WS	36.04	36.04	0.00	0.00		229.39	1729.17	2.28	3647.00
Hempstead Lake	6309.45*	Max WS	36.04	36.04	0.00	0.00		236.78	1721.63	2.13	3636.06
Hempstead Lake	6295.80*	Max WS	36.04	36.04	0.00	0.00		248.29	1709.95	1.99	3625.64
Hempstead Lake	6282.15*	Max WS	36.04	36.04	0.00	0.00		255.68	1702.62	1.91	3615.62
Hempstead Lake	6268.507	Max WS	36.04	36.04	0.00	0.00		266.37	1692.57	1.51	3606.01
Hempstead Lake	6259.72*	Max WS	36.04	36.04	0.00	0.00		208.66	1750.61	1.16	3404.77
Hempstead Lake	6250.93*	Max WS	36.04	36.04	0.00	0.00		163.96	1795.34	0.88	3203.74
Hempstead Lake	6242.14*	Max WS	36.04	36.04	0.00	0.00		126.06	1833.54	0.71	2996.75
Hempstead Lake	6233.35*	Max WS	36.04	36.04	0.00	0.00		91.44	1778.36	90.37	3568.65
Hempstead Lake	6224.57*	Max WS	36.04	36.04	0.00	0.00		69.12	1837.11	53.95	3236.94
Hempstead Lake	6215.78*	Max WS	36.04	36.04	0.00	0.00		49.89	1880.21	30.05	2903.95
Hempstead Lake	6206.99*	Max WS	36.04	36.04	0.00	0.00		34.13	1911.35	14.67	2570.70
Hempstead Lake	6198.21*	Max WS	36.04	36.04	0.00	0.00		21.75	1932.40	5.98	2291.97
Hempstead Lake	6189.42*	Max WS	36.04	36.04	0.00	0.00		11.80	1946.57	1.76	1916.58
Hempstead Lake	6180.638	Max WS	36.04	36.04	0.00	0.00		5.17	1954.73	0.23	1541.19
Hempstead Lake	6177.638	Max WS	36.04	36.04	0.00			6.90	1952.93	0.29	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	21.94	21.85	0.08	0.09			1959.48		253.15
Hempstead Lake	5930.638	Max WS	21.84	21.80	0.04	0.05			1959.36		380.62
Hempstead Lake	5880.638	Max WS	21.78	21.75	0.04	0.04			1959.25		313.85
Hempstead Lake	5830.638	Max WS	21.74	21.70	0.03	0.06			1959.14		318.73
Hempstead Lake	5780.638	Max WS	21.68	21.63	0.05	0.09			1959.04		351.66
Hempstead Lake	5730.638	Max WS	21.59	21.54	0.05	0.08			1866.36	92.50	442.25
Hempstead Lake	5680.638	Max WS	21.51	21.48	0.03	0.06			1511.16	447.61	483.27
Hempstead Lake	5630.638	Max WS	21.45	21.42	0.03	0.06			1220.81	737.79	574.18
Hempstead Lake	5580.638	Max WS	21.38	21.35	0.03	0.08		0.70	1283.19	674.71	677.78
Hempstead Lake	5530.638	Max WS	21.31	21.28	0.03	0.11		4.86	1400.70	552.98	712.53
Hempstead Lake	5480.638	Max WS	21.18	21.14	0.04	0.23		0.97	1430.94	526.58	726.15
Hempstead Lake	5430.638	Max WS	20.92	20.86	0.06	0.18			1476.42	482.02	736.57
Hempstead Lake	5380.638	Max WS	20.70	20.60	0.10	0.26		0.00	1778.70	179.70	728.66
Hempstead Lake	5330.638	Max WS	19.94	19.78	0.16	0.72			1658.24	300.15	614.09
Hempstead Lake	5307.48*	Max WS	19.23	18.98	0.25	0.51			1948.10	10.23	464.40
Hempstead Lake	5284.32*	Max WS	18.66	18.50	0.16	0.18			1957.46		397.76
Hempstead Lake	5261.17*	Max WS	18.43	18.35	0.08	0.04			1954.46		416.08
Hempstead Lake	5238.01*	Max WS	18.34	18.33	0.01	0.01			916.84		438.30
Hempstead Lake	5214.85*	Max WS	18.33	18.33	0.01	0.00		0.00	916.28		461.53
Hempstead Lake	5191.70*	Max WS	18.33	18.33	0.00	0.00		0.16	916.12		473.89
Hempstead Lake	5168.54*	Max WS	18.33	18.33	0.00	0.00		0.71	914.98		480.51
Hempstead Lake	5145.39*	Max WS	18.33	18.33	0.00	0.00		1.48	914.20		485.21
Hempstead Lake	5122.23*	Max WS	18.33	18.33	0.00	0.00		2.43	913.85		488.72
Hempstead Lake	5099.07*	Max WS	18.33	18.33	0.00	0.00		3.58	912.09		491.31
Hempstead Lake	5075.922	Max WS	18.33	18.33	0.00	0.00		2.01	914.27		493.02
Hempstead Lake	5055.96*	Max WS	18.33	18.33	0.00	0.00		3.21	912.45		653.37
Hempstead Lake	5036.01*	Max WS	18.33	18.33	0.00	0.00		1.81	914.47		682.89
Hempstead Lake	5016.05*	Max WS	18.33	18.33	0.00	0.00		0.88	914.75		689.98
Hempstead Lake	4996.10*	Max WS	18.33	18.33	0.00	0.00		0.33	915.95		723.49
Hempstead Lake	4976.14*	Max WS	18.33	18.33	0.00	0.00		0.06	915.55		745.99
Hempstead Lake	4956.192	Max WS	18.33	18.33	0.00	0.00		0.00	916.27		752.72
Hempstead Lake	4936.44*	Max WS	18.33	18.33	0.00	0.00		0.07	916.20		850.66
Hempstead Lake	4916.69*	Max WS	18.33	18.33	0.00	0.00		0.31	915.93	0.02	899.54
Hempstead Lake	4896.94*	Max WS	18.33	18.33	0.00	0.00		0.74	914.61	0.22	923.44
Hempstead Lake	4877.19*	Max WS	18.33	18.33	0.00	0.00		1.32	914.25	0.68	945.03
Hempstead Lake	4857.44*	Max WS	18.33	18.33	0.00	0.00		2.13	912.69	1.42	948.04
Hempstead Lake	4837.697	Max WS	18.33	18.33	0.00	0.00		1.22	912.84	2.18	949.79
Hempstead Lake	4817.64*	Max WS	18.32	18.32	0.00	0.00		7.41	1718.33	3.46	947.38
Hempstead Lake	4797.59*	Max WS	18.32	18.32	0.00	0.00		9.82	1716.74	2.64	942.23
Hempstead Lake	4777.53*	Max WS	18.32	18.32	0.00	0.00		12.50	1713.80	2.02	934.87

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4757.48*	Max WS	18.32	18.32	0.00	0.00		15.60	1712.04	1.53	929.33
Hempstead Lake	4737.42*	Max WS	18.32	18.32	0.00	0.00		18.92	1709.05	1.18	926.56
Hempstead Lake	4717.37*	Max WS	18.32	18.32	0.00	0.00		22.53	1705.69	0.92	924.26
Hempstead Lake	4697.32*	Max WS	18.32	18.32	0.00	0.00		26.37	1701.24	0.70	921.75
Hempstead Lake	4677.26*	Max WS	18.32	18.32	0.00	0.00		30.98	1697.61	0.52	918.99
Hempstead Lake	4657.21*	Max WS	18.32	18.32	0.00	0.00		35.48	1692.45	0.39	916.23
Hempstead Lake	4637.16*	Max WS	18.32	18.32	0.00	0.00		40.02	1688.78	0.27	913.37
Hempstead Lake	4617.10*	Max WS	18.32	18.32	0.00	0.00		44.66	1683.46	0.19	910.38
Hempstead Lake	4597.05*	Max WS	18.32	18.32	0.00	0.00		49.43	1679.49	0.12	907.36
Hempstead Lake	4577.*	Max WS	18.32	18.32	0.00	0.00		54.91	1673.30	0.08	904.46
Hempstead Lake	4556.94*	Max WS	18.32	18.32	0.00	0.00		60.09	1668.87	0.04	901.46
Hempstead Lake	4536.893	Max WS	18.32	18.32	0.00	0.00		37.94	1691.04	0.01	898.46
Hempstead Lake	4516.70*	Max WS	18.32	18.32	0.00	0.00		72.30	1680.56	0.11	899.31
Hempstead Lake	4496.51*	Max WS	18.32	18.32	0.00	0.00		72.76	1679.91	0.28	899.66
Hempstead Lake	4476.32*	Max WS	18.32	18.32	0.00	0.00		71.52	1680.87	0.56	899.73
Hempstead Lake	4456.14*	Max WS	18.32	18.32	0.00	0.00		71.89	1680.11	0.94	899.28
Hempstead Lake	4435.95*	Max WS	18.32	18.32	0.00	0.00		72.32	1679.18	1.44	898.68
Hempstead Lake	4415.76*	Max WS	18.32	18.32	0.00	0.00		70.92	1680.61	2.04	897.59
Hempstead Lake	4395.57*	Max WS	18.32	18.32	0.00	0.00		71.31	1678.85	2.76	896.38
Hempstead Lake	4375.38*	Max WS	18.32	18.32	0.00	0.00		69.84	1679.50	3.57	894.92
Hempstead Lake	4355.20*	Max WS	18.32	18.32	0.00	0.00		70.26	1678.15	4.50	892.99
Hempstead Lake	4335.01*	Max WS	18.32	18.32	0.00	0.00		71.16	1676.24	5.50	891.69
Hempstead Lake	4314.82*	Max WS	18.32	18.32	0.00	0.00		70.14	1676.16	6.59	890.18
Hempstead Lake	4294.63*	Max WS	18.32	18.32	0.00	0.00		71.13	1673.96	7.78	888.68
Hempstead Lake	4274.44*	Max WS	18.32	18.32	0.00	0.00		70.10	1673.72	9.04	887.04
Hempstead Lake	4254.26*	Max WS	18.32	18.32	0.00	0.00		71.04	1671.45	10.36	885.34
Hempstead Lake	4234.07*	Max WS	18.32	18.32	0.00	0.00		72.09	1669.02	11.73	883.58
Hempstead Lake	4213.88*	Max WS	18.32	18.32	0.00	0.00		70.94	1668.72	13.17	881.83
Hempstead Lake	4193.69*	Max WS	18.32	18.32	0.00	0.00		72.00	1666.18	14.64	879.95
Hempstead Lake	4173.50*	Max WS	18.32	18.32	0.00	0.00		70.83	1665.82	16.15	878.04
Hempstead Lake	4153.320	Max WS	18.32	18.32	0.00	0.00		29.47	1705.19	18.13	876.08
Hempstead Lake	4131.85*	Max WS	18.32	18.32	0.00	0.00		64.52	1700.49	19.10	874.99
Hempstead Lake	4110.38*	Max WS	18.32	18.32	0.00	0.00		60.05	1703.84	20.21	874.03
Hempstead Lake	4088.91*	Max WS	18.32	18.32	0.00	0.00		57.14	1705.63	21.31	872.95
Hempstead Lake	4067.44*	Max WS	18.32	18.32	0.00	0.00		52.21	1709.39	22.47	871.94
Hempstead Lake	4045.97*	Max WS	18.32	18.32	0.00	0.00		47.19	1713.22	23.64	870.89
Hempstead Lake	4024.50*	Max WS	18.32	18.32	0.00	0.00		43.50	1715.70	24.83	869.95
Hempstead Lake	4003.034	Max WS	18.32	18.32	0.00	0.00		15.50	1742.14	26.39	869.03
Hempstead Lake	4002		Lat Struct								
Hempstead Lake	3984.01*	Max WS	18.32	18.32	0.00	0.00		28.13	1591.11	21.02	852.63
Hempstead Lake	3964.99*	Max WS	18.32	18.32	0.00	0.00		27.01	1595.24	17.99	836.05
Hempstead Lake	3945.97*	Max WS	18.32	18.32	0.00	0.00		24.98	1599.61	15.63	822.59
Hempstead Lake	3926.95*	Max WS	18.32	18.32	0.00	0.00		23.53	1603.33	13.35	811.02
Hempstead Lake	3907.93*	Max WS	18.32	18.32	0.00	0.00		21.76	1606.74	11.35	798.56
Hempstead Lake	3888.916	Max WS	18.32	18.32	0.00	0.00		8.20	1622.84	8.79	783.23
Hempstead Lake	3883.916	Max WS	18.32	18.32	0.00			6.43	1657.02	8.60	773.41
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	18.30	18.30	0.00	0.00		0.15	1668.26	2.84	756.35
Hempstead Lake	3858.916	Max WS	18.30	18.30	0.00	0.00		0.21	1668.36	2.68	755.70
Hempstead Lake	3826.579	Max WS	18.30	18.30	0.01	0.00		0.74	1669.97	0.10	741.15
Hempstead Lake	3821.579	Max WS	18.30	18.30	0.01			0.87	1669.94		715.02
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	18.28	18.27	0.01	0.00		16.64	1653.77		717.08
Hempstead Lake	3736.579	Max WS	18.28	18.27	0.01	0.00		10.29	1660.12		714.99
Hempstead Lake	3699.46*	Max WS	18.28	18.27	0.00	0.00		11.65	1658.75	0.00	719.12
Hempstead Lake	3662.35*	Max WS	18.28	18.27	0.00	0.00		12.52	1655.02	2.83	785.13
Hempstead Lake	3625.24*	Max WS	18.28	18.27	0.00	0.00		13.17	1645.58	11.60	858.26
Hempstead Lake	3588.13*	Max WS	18.28	18.27	0.00	0.00		14.10	1626.73	29.16	901.52
Hempstead Lake	3551.028	Max WS	18.28	18.27	0.00	0.00		13.08	1607.16	50.07	934.38
Hempstead Lake	3531.67*	Max WS	18.28	18.27	0.00	0.00		15.71	1607.50	46.77	918.17
Hempstead Lake	3512.33*	Max WS	18.27	18.27	0.00	0.00		14.95	1623.41	31.61	905.82
Hempstead Lake	3492.98*	Max WS	18.27	18.27	0.00	0.00		14.11	1637.30	18.56	891.81
Hempstead Lake	3473.63*	Max WS	18.27	18.27	0.00	0.00		13.27	1648.13	8.57	873.14
Hempstead Lake	3454.28*	Max WS	18.27	18.27	0.00	0.00		12.45	1654.25	3.25	786.60
Hempstead Lake	3434.93*	Max WS	18.27	18.27	0.00	0.00		11.48	1657.42	1.05	678.54
Hempstead Lake	3415.58*	Max WS	18.27	18.27	0.00	0.00		10.73	1658.14	1.07	651.08
Hempstead Lake	3396.239	Max WS	18.27	18.27	0.00	0.00		11.94	1656.69	1.30	637.48
Hempstead Lake	3376.88*	Max WS	18.27	18.27	0.00	0.00		11.06	1657.44	1.43	641.45
Hempstead Lake	3357.52*	Max WS	18.27	18.27	0.00	0.00		12.06	1655.83	1.81	645.74
Hempstead Lake	3338.16*	Max WS	18.27	18.27	0.00	0.00		13.16	1654.29	2.24	651.36
Hempstead Lake	3318.80*	Max WS	18.27	18.27	0.00	0.00		14.49	1652.70	2.71	656.76
Hempstead Lake	3299.44*	Max WS	18.27	18.27	0.00	0.00		16.08	1650.60	3.20	663.04

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

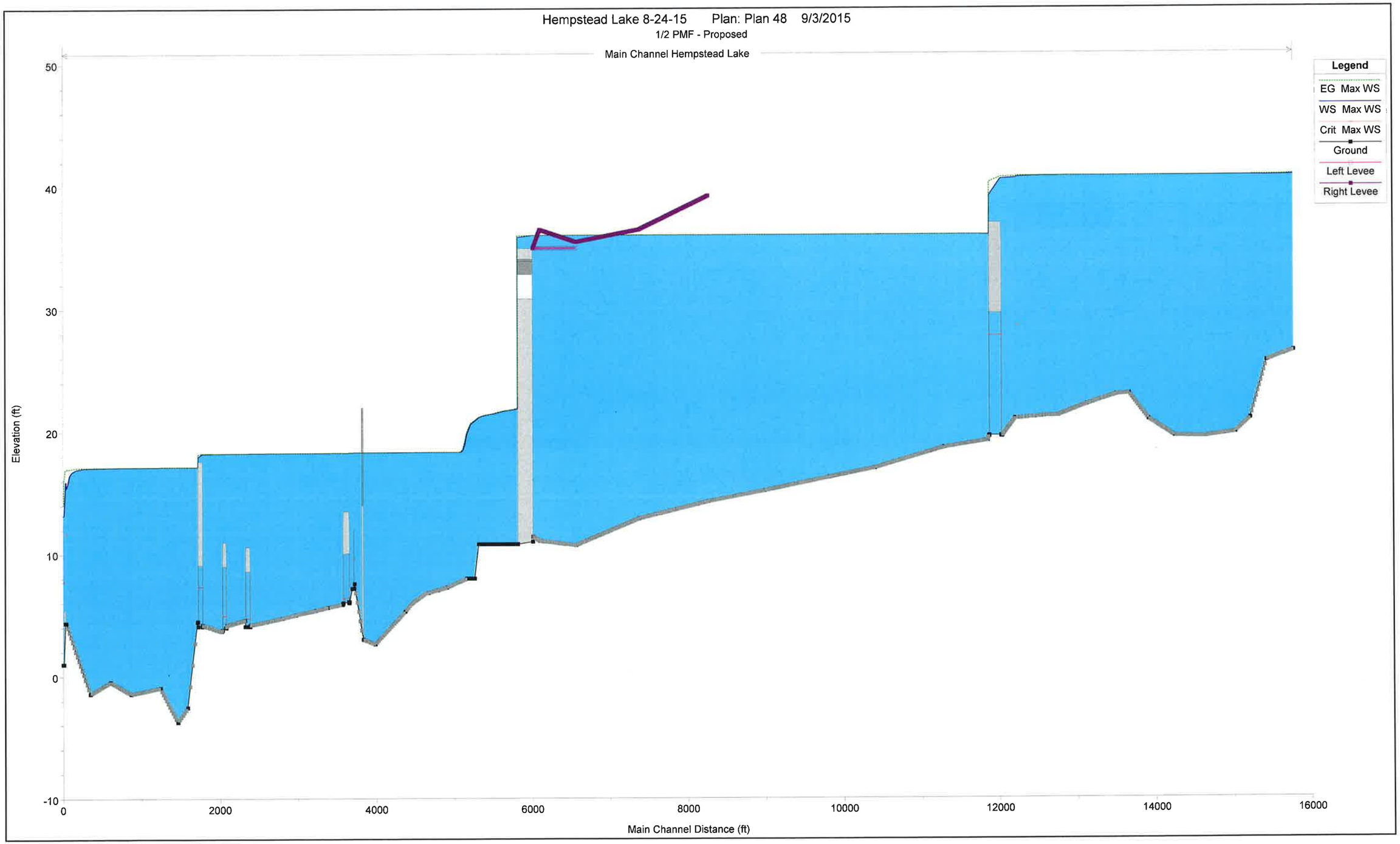
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3280.08*	Max WS	18.27	18.27	0.00	0.00		17.86	1648.22	3.79	668.20
Hempstead Lake	3260.73*	Max WS	18.27	18.27	0.00	0.00		19.90	1645.29	4.50	671.95
Hempstead Lake	3241.37*	Max WS	18.27	18.27	0.00	0.00		21.78	1642.73	5.18	675.42
Hempstead Lake	3222.01*	Max WS	18.27	18.27	0.00	0.00		24.24	1639.35	6.09	677.66
Hempstead Lake	3202.65*	Max WS	18.27	18.27	0.00	0.00		26.92	1635.84	7.05	680.05
Hempstead Lake	3183.29*	Max WS	18.27	18.27	0.00	0.00		29.92	1631.60	8.15	681.58
Hempstead Lake	3163.93*	Max WS	18.27	18.26	0.00	0.00		33.06	1627.32	9.29	683.09
Hempstead Lake	3144.581	Max WS	18.27	18.26	0.00	0.00		32.75	1627.39	9.51	684.11
Hempstead Lake	3124.73*	Max WS	18.27	18.26	0.00	0.00		32.33	1628.14	9.18	686.76
Hempstead Lake	3104.89*	Max WS	18.27	18.26	0.00	0.00		32.84	1627.69	9.11	688.94
Hempstead Lake	3085.04*	Max WS	18.27	18.26	0.00	0.00		33.26	1627.30	9.07	691.02
Hempstead Lake	3065.2*	Max WS	18.27	18.26	0.00	0.00		33.81	1626.81	9.00	693.59
Hempstead Lake	3045.35*	Max WS	18.27	18.26	0.00	0.00		33.53	1627.29	8.74	697.55
Hempstead Lake	3025.51*	Max WS	18.27	18.26	0.00	0.00		34.19	1626.80	8.62	700.58
Hempstead Lake	3005.66*	Max WS	18.27	18.26	0.00	0.00		34.94	1626.07	8.60	702.36
Hempstead Lake	2985.81*	Max WS	18.27	18.26	0.00	0.00		35.03	1626.24	8.32	703.77
Hempstead Lake	2965.974	Max WS	18.27	18.26	0.00	0.00		38.04	1622.79	8.74	704.80
Hempstead Lake	2951.87*	Max WS	18.27	18.26	0.00	0.00		42.02	1618.22	9.33	706.02
Hempstead Lake	2937.77*	Max WS	18.27	18.26	0.00	0.00		42.31	1618.14	9.11	707.57
Hempstead Lake	2923.67*	Max WS	18.27	18.26	0.00	0.00		42.82	1617.81	8.93	708.92
Hempstead Lake	2909.57*	Max WS	18.27	18.26	0.00	0.00		43.08	1617.76	8.71	710.25
Hempstead Lake	2895.47*	Max WS	18.27	18.26	0.00	0.00		43.29	1617.75	8.52	712.18
Hempstead Lake	2881.37*	Max WS	18.27	18.26	0.00	0.00		43.43	1617.80	8.31	713.80
Hempstead Lake	2867.27*	Max WS	18.27	18.26	0.00	0.00		43.27	1618.17	8.10	717.80
Hempstead Lake	2853.17*	Max WS	18.26	18.26	0.00	0.00		42.77	1618.87	7.88	724.55
Hempstead Lake	2839.07*	Max WS	18.26	18.26	0.00	0.00		42.21	1619.64	7.67	732.35
Hempstead Lake	2824.98*	Max WS	18.26	18.26	0.00	0.00		41.56	1620.42	7.47	740.55
Hempstead Lake	2810.88*	Max WS	18.26	18.26	0.00	0.00		41.03	1621.23	7.25	749.01
Hempstead Lake	2796.78*	Max WS	18.26	18.26	0.00	0.00		40.67	1621.78	7.07	756.95
Hempstead Lake	2782.68*	Max WS	18.26	18.26	0.00	0.00		40.41	1622.27	6.83	762.38
Hempstead Lake	2768.58*	Max WS	18.26	18.26	0.00	0.00		40.32	1622.56	6.62	768.28
Hempstead Lake	2754.48*	Max WS	18.26	18.26	0.00	0.00		40.27	1622.73	6.38	773.03
Hempstead Lake	2740.38*	Max WS	18.26	18.26	0.00	0.00		40.35	1622.96	6.18	777.51
Hempstead Lake	2726.28*	Max WS	18.26	18.26	0.00	0.00		40.36	1623.17	5.96	782.83
Hempstead Lake	2712.18*	Max WS	18.26	18.26	0.00	0.00		40.43	1623.30	5.75	787.51
Hempstead Lake	2698.08*	Max WS	18.26	18.26	0.00	0.00		40.32	1623.47	5.54	793.26
Hempstead Lake	2683.98*	Max WS	18.26	18.26	0.00	0.00		40.29	1623.87	5.33	799.18
Hempstead Lake	2669.88*	Max WS	18.26	18.26	0.00	0.00		40.33	1624.03	5.12	804.73
Hempstead Lake	2655.78*	Max WS	18.26	18.26	0.00	0.00		40.12	1624.43	4.93	814.22
Hempstead Lake	2641.68*	Max WS	18.26	18.26	0.00	0.00		39.88	1624.77	4.64	825.01
Hempstead Lake	2627.58*	Max WS	18.26	18.26	0.00	0.00		39.39	1625.47	4.42	838.61
Hempstead Lake	2613.48*	Max WS	18.26	18.26	0.00	0.00		38.58	1626.47	4.21	857.97
Hempstead Lake	2599.38*	Max WS	18.26	18.26	0.00	0.00		38.40	1626.82	4.03	871.23
Hempstead Lake	2585.29*	Max WS	18.26	18.26	0.00	0.00		39.03	1626.33	3.88	877.90
Hempstead Lake	2571.19*	Max WS	18.26	18.26	0.00	0.00		39.55	1625.96	3.72	883.24
Hempstead Lake	2557.091	Max WS	18.26	18.26	0.00	0.00		63.53	1600.11	5.59	884.04
Hempstead Lake	2552.091	Max WS	18.26	18.26	0.00			60.63	1599.30	9.29	886.01
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	18.24	18.24	0.00	0.00		87.99	1578.74	2.49	877.11
Hempstead Lake	2487.091	Max WS	18.24	18.24	0.00	0.00		67.62	1600.33	1.27	875.22
Hempstead Lake	2477.12*	Max WS	18.24	18.24	0.00	0.00		48.82	1618.54	1.86	880.66
Hempstead Lake	2467.14*	Max WS	18.24	18.24	0.00	0.00		54.64	1611.00	3.58	887.64
Hempstead Lake	2457.17*	Max WS	18.24	18.24	0.00	0.00		60.69	1602.46	6.06	898.74
Hempstead Lake	2447.20*	Max WS	18.24	18.24	0.00	0.00		67.11	1591.95	9.88	906.42
Hempstead Lake	2437.23*	Max WS	18.24	18.24	0.00	0.00		95.69	1553.65	19.59	910.92
Hempstead Lake	2427.26*	Max WS	18.24	18.24	0.00	0.00		102.97	1538.06	27.90	915.34
Hempstead Lake	2417.29*	Max WS	18.24	18.24	0.00	0.00		110.40	1520.70	37.82	918.56
Hempstead Lake	2407.32*	Max WS	18.24	18.24	0.00	0.00		95.22	1533.92	39.77	921.95
Hempstead Lake	2397.35*	Max WS	18.24	18.24	0.00	0.00		102.87	1514.81	51.21	925.31
Hempstead Lake	2387.37*	Max WS	18.24	18.24	0.00	0.00		110.40	1494.12	64.36	928.49
Hempstead Lake	2377.40*	Max WS	18.24	18.24	0.00	0.00		118.10	1471.55	79.22	931.87
Hempstead Lake	2367.43*	Max WS	18.24	18.24	0.00	0.00		126.42	1446.32	96.13	934.53
Hempstead Lake	2357.46*	Max WS	18.24	18.24	0.00	0.00		134.27	1419.97	114.62	937.05
Hempstead Lake	2347.49*	Max WS	18.24	18.24	0.00	0.00		142.14	1391.90	134.81	939.58
Hempstead Lake	2337.52*	Max WS	18.24	18.24	0.00	0.00		150.06	1361.77	157.02	941.93
Hempstead Lake	2327.55*	Max WS	18.24	18.24	0.00	0.00		157.85	1330.21	180.77	944.57
Hempstead Lake	2317.58*	Max WS	18.24	18.24	0.00	0.00		165.54	1296.97	206.32	962.35
Hempstead Lake	2307.60*	Max WS	18.24	18.24	0.00	0.00		173.42	1261.67	233.74	977.72
Hempstead Lake	2297.63*	Max WS	18.24	18.24	0.00	0.00		180.96	1225.57	262.29	992.76
Hempstead Lake	2287.66*	Max WS	18.24	18.24	0.00	0.00		188.84	1191.46	288.52	1015.31
Hempstead Lake	2277.69*	Max WS	18.24	18.24	0.00	0.00		197.29	1161.31	309.82	1051.95
Hempstead Lake	2267.72*	Max WS	18.24	18.24	0.00	0.00		205.19	1126.93	336.69	1079.50

HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2257.752	Max WS	18.24	18.24	0.00	0.00		267.40	936.95	464.46	1096.85
Hempstead Lake	2252.75*	Max WS	18.24	18.24	0.00	0.00		276.40	948.64	443.77	1079.13
Hempstead Lake	2247.752	Max WS	18.24	18.24	0.00			336.17	831.01	501.19	1060.41
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	18.23	18.23	0.00	0.00		222.30	929.20	516.87	888.06
Hempstead Lake	2192.75*	Max WS	18.23	18.23	0.00	0.00		299.68	951.24	417.44	884.71
Hempstead Lake	2187.752	Max WS	18.23	18.23	0.00	0.00		377.29	941.29	349.77	881.45
Hempstead Lake	2178.63*	Max WS	18.23	18.23	0.00	0.00		367.43	957.59	343.32	878.16
Hempstead Lake	2169.52*	Max WS	18.23	18.23	0.01	0.00		357.45	974.06	336.83	875.08
Hempstead Lake	2160.40*	Max WS	18.23	18.23	0.01	0.00		347.37	990.93	330.03	872.00
Hempstead Lake	2151.29*	Max WS	18.23	18.23	0.01	0.00		337.31	1008.09	322.93	868.80
Hempstead Lake	2142.17*	Max WS	18.23	18.23	0.01	0.00		326.84	1026.14	315.35	865.69
Hempstead Lake	2133.05*	Max WS	18.23	18.23	0.01	0.00		316.23	1044.20	307.89	862.27
Hempstead Lake	2123.94*	Max WS	18.23	18.23	0.01	0.00		305.46	1062.44	299.97	859.08
Hempstead Lake	2114.82*	Max WS	18.23	18.23	0.01	0.00		294.46	1081.75	292.11	855.92
Hempstead Lake	2105.71*	Max WS	18.23	18.23	0.01	0.00		283.29	1100.99	283.57	852.92
Hempstead Lake	2096.59*	Max WS	18.23	18.23	0.01	0.00		272.14	1120.73	274.97	849.86
Hempstead Lake	2087.48*	Max WS	18.23	18.22	0.01	0.00		260.67	1141.39	265.77	846.82
Hempstead Lake	2078.36*	Max WS	18.24	18.22	0.01	0.00		249.11	1162.24	256.46	843.95
Hempstead Lake	2069.25*	Max WS	18.24	18.22	0.01	0.00		237.18	1183.91	246.70	841.54
Hempstead Lake	2060.13*	Max WS	18.24	18.22	0.01	0.00		225.05	1205.97	236.75	839.63
Hempstead Lake	2051.01*	Max WS	18.24	18.22	0.01	0.00		213.21	1230.49	224.05	846.31
Hempstead Lake	2041.90*	Max WS	18.24	18.22	0.01	0.00		201.45	1256.88	209.39	863.37
Hempstead Lake	2032.78*	Max WS	18.24	18.22	0.02	0.00		189.17	1281.34	197.17	874.42
Hempstead Lake	2023.67*	Max WS	18.24	18.22	0.02	0.00		176.03	1306.43	185.19	906.48
Hempstead Lake	2014.55*	Max WS	18.24	18.22	0.02	0.00		163.15	1333.00	171.44	920.69
Hempstead Lake	2005.44*	Max WS	18.24	18.22	0.02	0.00		149.33	1353.74	164.45	921.23
Hempstead Lake	1996.32*	Max WS	18.24	18.22	0.02	0.00		135.82	1374.02	157.59	920.86
Hempstead Lake	1987.20*	Max WS	18.24	18.21	0.02	0.00		122.51	1394.04	150.77	919.33
Hempstead Lake	1978.09*	Max WS	18.24	18.21	0.03	0.00		109.45	1413.77	143.94	916.85
Hempstead Lake	1968.97*	Max WS	18.24	18.21	0.03	0.00		95.79	1433.43	137.72	915.76
Hempstead Lake	1959.86*	Max WS	18.24	18.21	0.03	0.00		82.54	1452.95	131.18	913.40
Hempstead Lake	1950.747	Max WS	18.24	18.21	0.03	0.00		69.76	1471.69	124.85	910.11
Hempstead Lake	1945.747	Max WS	18.24	18.21	0.03			95.95	988.41	581.56	960.53
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	17.14	17.14	0.00	0.00		3.06	432.14	977.58	997.31
Hempstead Lake	1880.747	Max WS	17.14	17.14	0.00	0.00		0.91	1106.44	305.41	1017.46
Hempstead Lake	1848.83*	Max WS	17.14	17.14	0.00	0.00		7.34	1308.39	100.11	1123.49
Hempstead Lake	1816.92*	Max WS	17.14	17.14	0.00	0.00		13.66	1358.79	43.36	1190.85
Hempstead Lake	1785.01*	Max WS	17.14	17.14	0.00	0.00		20.72	1369.25	25.79	1200.12
Hempstead Lake	1753.104	Max WS	17.14	17.14	0.00	0.00		11.33	1397.40	6.96	1309.81
Hempstead Lake	1732.65*	Max WS	17.14	17.14	0.00	0.00		31.01	1356.38	28.25	1345.15
Hempstead Lake	1712.21*	Max WS	17.14	17.14	0.00	0.00		32.54	1343.65	39.40	1377.82
Hempstead Lake	1691.76*	Max WS	17.14	17.14	0.00	0.00		34.29	1328.22	53.03	1396.09
Hempstead Lake	1671.32*	Max WS	17.14	17.14	0.00	0.00		36.07	1310.54	68.88	1422.22
Hempstead Lake	1650.87*	Max WS	17.14	17.14	0.00	0.00		37.74	1290.24	87.46	1446.98
Hempstead Lake	1630.434	Max WS	17.14	17.14	0.00	0.00		18.83	1317.12	83.15	1470.30
Hempstead Lake	1610.36*	Max WS	17.14	17.14	0.00	0.00		39.55	1278.05	101.50	1462.46
Hempstead Lake	1590.30*	Max WS	17.14	17.14	0.00	0.00		34.13	1290.28	94.68	1453.36
Hempstead Lake	1570.23*	Max WS	17.14	17.14	0.00	0.00		28.98	1302.23	87.87	1443.45
Hempstead Lake	1550.17*	Max WS	17.14	17.14	0.00	0.00		23.41	1314.52	81.13	1432.55
Hempstead Lake	1530.10*	Max WS	17.14	17.14	0.00	0.00		18.97	1325.60	74.46	1420.14
Hempstead Lake	1510.03*	Max WS	17.14	17.14	0.00	0.00		14.61	1337.60	66.81	1408.73
Hempstead Lake	1489.97*	Max WS	17.14	17.14	0.00	0.00		10.99	1347.48	60.51	1399.40
Hempstead Lake	1469.90*	Max WS	17.14	17.14	0.00	0.00		7.84	1357.01	54.09	1394.70
Hempstead Lake	1449.83*	Max WS	17.14	17.14	0.00	0.00		5.21	1365.85	47.85	1382.73
Hempstead Lake	1429.77*	Max WS	17.14	17.14	0.00	0.00		2.98	1374.09	41.79	1367.78
Hempstead Lake	1409.707	Max WS	17.14	17.14	0.00	0.00		0.29	1369.40	49.14	1353.08
Hempstead Lake	1389.03*	Max WS	17.13	17.11	0.02	0.00		3.93	11391.80	287.39	1337.12
Hempstead Lake	1368.35*	Max WS	17.13	17.11	0.02	0.00		6.11	11387.33	289.66	1326.53
Hempstead Lake	1347.67*	Max WS	17.13	17.11	0.02	0.00		8.52	11382.55	291.98	1317.06
Hempstead Lake	1326.99*	Max WS	17.13	17.11	0.02	0.00		11.28	11377.19	294.53	1305.33
Hempstead Lake	1306.32*	Max WS	17.13	17.11	0.02	0.00		14.68	11357.18	307.62	1295.00
Hempstead Lake	1285.64*	Max WS	17.13	17.11	0.02	0.00		17.98	11349.72	311.77	1281.89
Hempstead Lake	1264.96*	Max WS	17.13	17.11	0.02	0.00		21.24	11342.36	315.85	1272.20
Hempstead Lake	1244.28*	Max WS	17.13	17.11	0.02	0.00		24.95	11334.27	320.20	1259.89
Hempstead Lake	1223.61*	Max WS	17.13	17.11	0.02	0.00		28.33	11325.71	325.34	1251.12
Hempstead Lake	1202.93*	Max WS	17.13	17.11	0.02	0.00		32.17	11315.96	331.21	1238.50
Hempstead Lake	1182.25*	Max WS	17.13	17.11	0.02	0.00		35.60	11306.06	337.64	1229.29
Hempstead Lake	1161.57*	Max WS	17.13	17.11	0.02	0.00		39.24	11291.75	344.96	1217.76
Hempstead Lake	1140.90*	Max WS	17.12	17.11	0.02	0.00		42.44	11283.56	353.18	1208.70
Hempstead Lake	1120.22*	Max WS	17.12	17.11	0.02	0.00		46.73	11255.20	374.00	1200.72

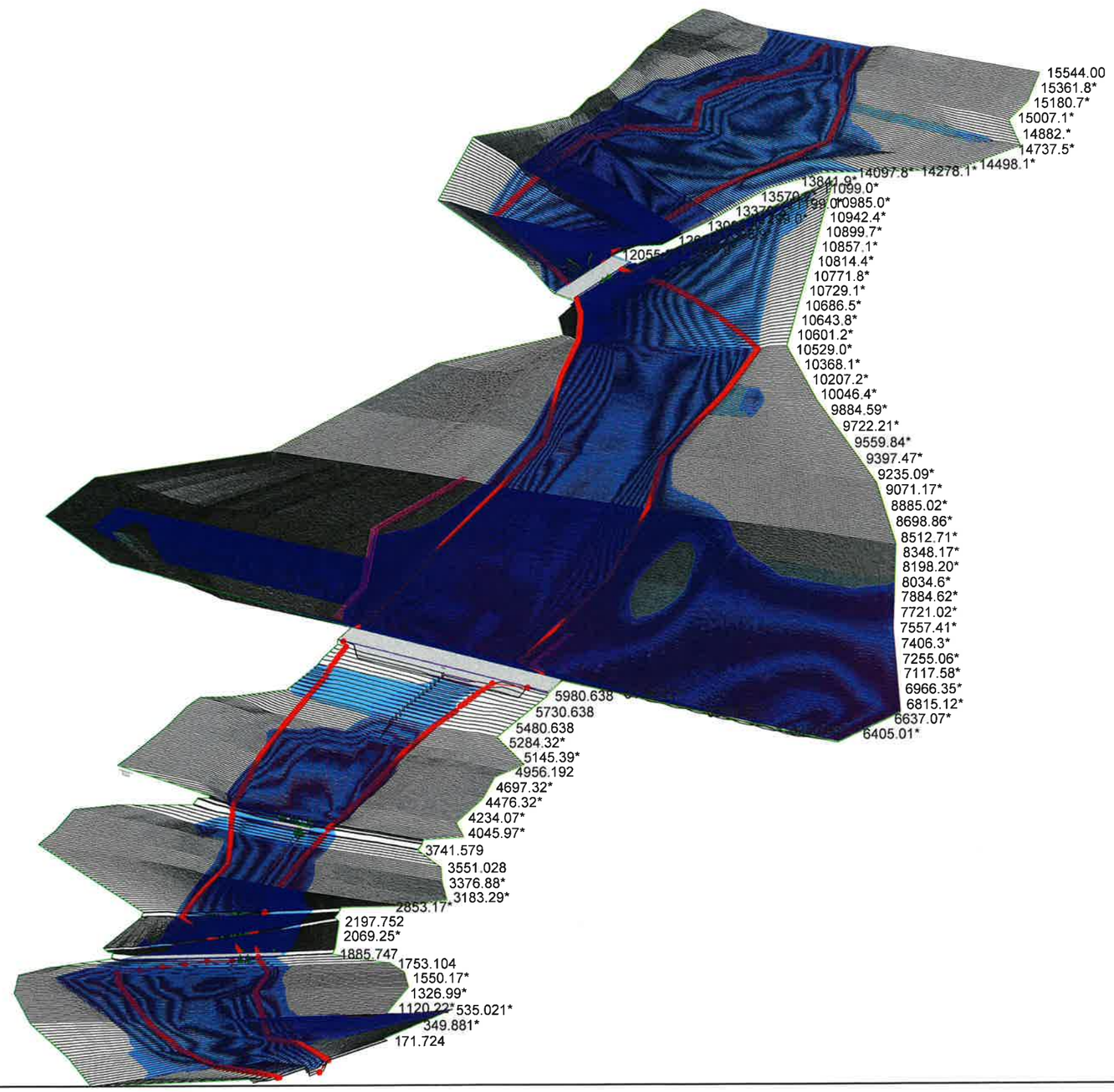
HEC-RAS Plan: Plan 48 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	1099.54*	Max WS	17.12	17.11	0.02	0.00		48.26	11242.03	385.64	1198.83
Hempstead Lake	1078.87*	Max WS	17.12	17.11	0.02	0.00		50.97	11231.36	393.57	1197.91
Hempstead Lake	1058.19*	Max WS	17.12	17.11	0.02	0.00		51.74	11222.87	401.25	1210.23
Hempstead Lake	1037.515	Max WS	17.12	17.11	0.02	0.00		31.40	10917.20	727.22	1563.38
Hempstead Lake	1017.08*	Max WS	17.12	17.11	0.02	0.00		196.20	11131.76	436.37	1562.66
Hempstead Lake	996.645*	Max WS	17.12	17.11	0.02	0.00		238.83	11030.90	494.54	1581.56
Hempstead Lake	976.210*	Max WS	17.12	17.11	0.02	0.00		287.58	10936.00	540.60	1614.52
Hempstead Lake	955.775*	Max WS	17.12	17.11	0.02	0.00		341.02	10823.11	599.98	1626.44
Hempstead Lake	935.340*	Max WS	17.12	17.11	0.02	0.00		391.92	10724.11	647.99	1651.06
Hempstead Lake	914.905*	Max WS	17.12	17.11	0.02	0.00		453.80	10599.39	708.00	1701.34
Hempstead Lake	894.471*	Max WS	17.12	17.10	0.02	0.00		529.34	10481.61	750.22	1719.88
Hempstead Lake	874.036*	Max WS	17.12	17.10	0.02	0.00		605.75	10349.66	805.74	1738.34
Hempstead Lake	853.601*	Max WS	17.12	17.10	0.02	0.00		673.58	10237.63	849.92	1829.08
Hempstead Lake	833.166*	Max WS	17.12	17.10	0.02	0.00		761.74	10088.98	910.34	1839.25
Hempstead Lake	812.731*	Max WS	17.12	17.10	0.02	0.00		869.61	9932.06	959.34	1844.91
Hempstead Lake	792.296*	Max WS	17.12	17.10	0.02	0.00		971.94	9765.41	1023.60	1849.99
Hempstead Lake	771.862	Max WS	17.12	17.10	0.02	0.00		458.00	10307.65	995.24	1922.05
Hempstead Lake	750.331*	Max WS	17.11	17.10	0.02	0.00		938.53	9913.42	944.48	1939.77
Hempstead Lake	728.8*	Max WS	17.11	17.10	0.02	0.00		792.82	10148.10	855.44	1957.10
Hempstead Lake	707.269*	Max WS	17.11	17.09	0.02	0.00		666.94	10376.39	752.93	1974.46
Hempstead Lake	685.738*	Max WS	17.11	17.09	0.02	0.00		545.85	10598.33	651.94	1988.43
Hempstead Lake	664.207*	Max WS	17.11	17.09	0.02	0.00		433.23	10807.35	553.78	2002.87
Hempstead Lake	642.676*	Max WS	17.11	17.08	0.02	0.00		326.05	10998.80	469.51	2018.24
Hempstead Lake	621.145*	Max WS	17.11	17.08	0.02	0.00		235.98	11176.65	381.70	2036.97
Hempstead Lake	599.614*	Max WS	17.11	17.08	0.03	0.00		159.23	11333.04	302.04	2054.44
Hempstead Lake	578.083*	Max WS	17.11	17.08	0.03	0.00		96.31	11466.00	231.98	2073.03
Hempstead Lake	556.552*	Max WS	17.10	17.08	0.03	0.00		48.91	11568.01	177.34	2094.36
Hempstead Lake	535.021*	Max WS	17.10	17.07	0.03	0.00		17.18	11648.82	128.23	2136.80
Hempstead Lake	513.490	Max WS	17.10	17.07	0.03	0.00		0.25	11579.51	214.45	2190.60
Hempstead Lake	493.038*	Max WS	17.10	17.07	0.04	0.00		0.67	11717.91	112.93	1786.72
Hempstead Lake	472.587*	Max WS	17.10	17.06	0.04	0.00		0.76	11722.61	108.10	1644.45
Hempstead Lake	452.136*	Max WS	17.10	17.05	0.05	0.00		1.35	11717.65	112.44	637.67
Hempstead Lake	431.685*	Max WS	17.10	17.04	0.06	0.00		1.25	11725.35	104.81	620.44
Hempstead Lake	411.234*	Max WS	17.10	17.03	0.07	0.00		1.12	11735.52	94.73	603.14
Hempstead Lake	390.783*	Max WS	17.09	17.01	0.08	0.00		0.97	11745.69	84.67	585.68
Hempstead Lake	370.332*	Max WS	17.09	16.99	0.10	0.01		0.80	11756.98	73.52	568.01
Hempstead Lake	349.881*	Max WS	17.08	16.96	0.12	0.01		0.57	11769.31	61.39	549.97
Hempstead Lake	329.430*	Max WS	17.07	16.92	0.15	0.01		0.35	11782.16	48.73	531.37
Hempstead Lake	308.979*	Max WS	17.06	16.86	0.20	0.02		0.14	11795.78	35.29	511.70
Hempstead Lake	288.528*	Max WS	17.04	16.78	0.26	0.02		0.01	11809.15	22.04	489.94
Hempstead Lake	268.077*	Max WS	17.02	16.65	0.37	0.04			11821.29	9.88	467.85
Hempstead Lake	247.626*	Max WS	16.99	16.41	0.58	0.05			11830.17	0.97	444.93
Hempstead Lake	227.175*	Max WS	17.00	15.79	1.21	0.06			11831.04		314.12
Hempstead Lake	206.724	Max WS	16.96	15.40	1.56	0.01			11831.07		148.16
Hempstead Lake	201.724	Max WS	16.94	15.93	1.01				11831.06		167.64
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	14.06	13.21	0.85	0.00		3778.71	8052.35		150.72
Hempstead Lake	166.724	Max WS	14.05	13.20	0.85			3778.44	8052.62		150.70


Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015
1/2 PMF - Proposed
Main Channel Hempstead Lake
Legend
EG Max WS
WS Max WS
Crit Max WS
Ground
Left Levee
Right Levee
Elevation (ft)
50
40
30
20
10
0
-10
0
2000
4000
6000
8000
10000
12000
14000
16000
Main Channel Distance (ft)

Hempstead Lake 8-24-15 Plan: Plan 48 9/3/2015

1/2 PMF - Proposed



90% Proposed Half PMF Overtop Breach 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7635.40	26.48	41.06		41.08	0.000028	1.38	6554.58	746.77	0.07
Hempstead Lake	15523.7*	Max WS	7635.40	26.43	41.06		41.08	0.000145	1.31	6573.95	742.45	0.07
Hempstead Lake	15503.5*	Max WS	7635.38	26.38	41.05		41.08	0.000135	1.31	6589.25	736.85	0.07
Hempstead Lake	15483.3*	Max WS	7635.34	26.34	41.05		41.07	0.000122	1.30	6601.98	728.31	0.07
Hempstead Lake	15463.0*	Max WS	7635.28	26.29	41.05		41.07	0.000110	1.30	6613.70	717.34	0.07
Hempstead Lake	15442.8*	Max WS	7622.76	26.24	41.05		41.07	0.000101	1.28	6626.13	706.83	0.06
Hempstead Lake	15422.5*	Max WS	7622.73	26.19	41.04		41.07	0.000091	1.28	6637.81	702.61	0.06
Hempstead Lake	15402.3*	Max WS	7622.69	26.15	41.04		41.06	0.000082	1.28	6645.59	703.05	0.06
Hempstead Lake	15382.1*	Max WS	7622.63	26.10	41.04		41.06	0.000077	1.28	6651.24	704.58	0.06
Hempstead Lake	15361.8*	Max WS	7610.34	26.05	41.04		41.06	0.000069	1.28	6652.78	705.88	0.06
Hempstead Lake	15341.6*	Max WS	7610.32	26.00	41.04		41.06	0.000064	1.29	6651.50	706.76	0.06
Hempstead Lake	15321.4*	Max WS	7610.29	25.96	41.04		41.06	0.000057	1.29	6647.05	707.23	0.07
Hempstead Lake	15301.1*	Max WS	7610.26	25.91	41.04		41.06	0.000050	1.29	6639.49	707.24	0.07
Hempstead Lake	15280.9*	Max WS	7610.23	25.86	41.04		41.06	0.000046	1.29	6629.74	706.76	0.07
Hempstead Lake	15260.7*	Max WS	7610.18	25.81	41.04		41.06	0.000040	1.29	6617.40	705.64	0.07
Hempstead Lake	15240.4*	Max WS	7598.23	25.77	41.04		41.06	0.000034	1.29	6602.76	703.78	0.07
Hempstead Lake	15220.2*	Max WS	7610.08	25.72	41.03		41.06	0.000031	1.29	6585.78	701.08	0.07
Hempstead Lake	15200.02	Max WS	7610.02	25.67	41.03		41.06	0.000026	1.29	6568.69	697.23	0.07
Hempstead Lake	15180.7*	Max WS	7609.96	25.24	41.04		41.06	0.000029	1.23	6948.26	729.93	0.06
Hempstead Lake	15161.4*	Max WS	7609.92	24.82	41.04		41.06	0.000031	1.17	7352.98	759.90	0.06
Hempstead Lake	15142.1*	Max WS	7609.88	24.39	41.04		41.05	0.000032	1.10	7781.49	788.29	0.05
Hempstead Lake	15122.8*	Max WS	7609.86	23.96	41.04		41.05	0.000033	1.04	8229.44	813.57	0.05
Hempstead Lake	15103.5*	Max WS	7609.84	23.53	41.04		41.05	0.000033	0.98	8696.17	836.63	0.05
Hempstead Lake	15084.2*	Max WS	7609.82	23.11	41.04		41.05	0.000034	0.93	9180.95	858.60	0.04
Hempstead Lake	15064.9*	Max WS	7609.82	22.68	41.04		41.05	0.000033	0.87	9681.83	880.37	0.04
Hempstead Lake	15045.6*	Max WS	7621.09	22.25	41.04		41.05	0.000033	0.83	10199.17	901.88	0.04
Hempstead Lake	15026.4*	Max WS	7621.02	21.82	41.04		41.05	0.000032	0.78	10733.08	922.64	0.03
Hempstead Lake	15007.1*	Max WS	7620.96	21.40	41.04		41.05	0.000031	0.74	11281.26	943.65	0.03
Hempstead Lake	14987.82	Max WS	7620.89	20.97	41.04		41.05	0.000005	0.73	11846.17	963.83	0.03
Hempstead Lake	14966.6*	Max WS	7664.66	20.84	41.04		41.05	0.000029	0.70	12151.25	982.89	0.03
Hempstead Lake	14945.4*	Max WS	7664.59	20.72	41.04		41.05	0.000027	0.68	12461.48	1001.35	0.03
Hempstead Lake	14924.3*	Max WS	7664.51	20.59	41.04		41.05	0.000026	0.66	12782.30	1019.32	0.03
Hempstead Lake	14903.1*	Max WS	7664.42	20.46	41.04		41.05	0.000024	0.64	13110.09	1036.03	0.03
Hempstead Lake	14882.*	Max WS	7664.34	20.34	41.04		41.05	0.000022	0.62	13447.87	1052.70	0.03
Hempstead Lake	14860.8*	Max WS	7664.25	20.21	41.04		41.05	0.000021	0.60	13794.24	1069.08	0.03
Hempstead Lake	14839.6*	Max WS	7664.16	20.08	41.04		41.05	0.000020	0.58	14149.05	1085.07	0.02
Hempstead Lake	14818.5*	Max WS	7664.06	19.96	41.04		41.05	0.000018	0.57	14585.25	1319.85	0.02
Hempstead Lake	14797.35	Max WS	7653.70	19.83	41.04		41.05	0.000003	0.57	15192.53	1418.48	0.02
Hempstead Lake	14777.4*	Max WS	7663.83	19.81	41.04		41.05	0.000015	0.54	15366.34	1406.57	0.02
Hempstead Lake	14757.4*	Max WS	7653.70	19.80	41.04		41.05	0.000014	0.53	15553.70	1374.51	0.02
Hempstead Lake	14737.5*	Max WS	7663.63	19.78	41.04		41.05	0.000012	0.52	15779.71	1275.46	0.02
Hempstead Lake	14717.5*	Max WS	7663.54	19.76	41.04		41.05	0.000011	0.51	16040.18	1189.86	0.02
Hempstead Lake	14697.6*	Max WS	7653.69	19.74	41.04		41.05	0.000010	0.50	16334.19	1188.23	0.02
Hempstead Lake	14677.6*	Max WS	7663.34	19.73	41.04		41.05	0.000009	0.49	16630.79	1207.28	0.02
Hempstead Lake	14657.7*	Max WS	7653.68	19.71	41.04		41.05	0.000008	0.49	16933.16	1230.72	0.02
Hempstead Lake	14637.7*	Max WS	7663.14	19.69	41.04		41.05	0.000007	0.48	17238.46	1253.62	0.02
Hempstead Lake	14617.8*	Max WS	7663.03	19.67	41.04		41.05	0.000006	0.47	17550.68	1303.60	0.02
Hempstead Lake	14597.8*	Max WS	7653.67	19.65	41.04		41.05	0.000006	0.46	17876.11	1381.63	0.02
Hempstead Lake	14577.9*	Max WS	7653.66	19.64	41.04		41.05	0.000005	0.45	18214.32	1429.33	0.02
Hempstead Lake	14557.9*	Max WS	7662.72	19.62	41.04		41.05	0.000004	0.45	18569.54	1485.08	0.02
Hempstead Lake	14538.0*	Max WS	7662.61	19.60	41.04		41.05	0.000004	0.44	18939.55	1528.72	0.02
Hempstead Lake	14518.0*	Max WS	7662.50	19.58	41.04		41.05	0.000003	0.43	19327.50	1571.49	0.02
Hempstead Lake	14498.1*	Max WS	7662.39	19.57	41.04		41.05	0.000003	0.43	19748.96	1637.59	0.02
Hempstead Lake	14478.1*	Max WS	7662.27	19.55	41.04		41.05	0.000002	0.42	20204.76	1708.31	0.02
Hempstead Lake	14458.2*	Max WS	7662.13	19.53	41.04		41.05	0.000002	0.41	20680.85	1729.94	0.02
Hempstead Lake	14438.2*	Max WS	7662.00	19.51	41.04		41.05	0.000002	0.41	21161.79	1748.99	0.02
Hempstead Lake	14418.3*	Max WS	7661.88	19.50	41.04		41.05	0.000001	0.40	21644.12	1766.33	0.02
Hempstead Lake	14398.37	Max WS	7661.74	19.48	41.04		41.05	0.000001	0.40	22132.29	1780.62	0.02
Hempstead Lake	14378.3*	Max WS	7653.69	19.48	41.04		41.05	0.000001	0.40	21893.97	1759.08	0.02
Hempstead Lake	14358.3*	Max WS	7661.48	19.49	41.04		41.05	0.000001	0.41	21650.47	1737.82	0.02
Hempstead Lake	14338.2*	Max WS	7661.35	19.49	41.04		41.05	0.000001	0.42	21411.85	1716.82	0.02
Hempstead Lake	14318.2*	Max WS	7661.22	19.49	41.04		41.05	0.000001	0.42	21170.37	1696.37	0.02
Hempstead Lake	14298.2*	Max WS	7661.08	19.49	41.04		41.05	0.000002	0.43	20928.52	1676.38	0.02
Hempstead Lake	14278.1*	Max WS	7653.69	19.50	41.04		41.05	0.000002	0.44	20688.39	1656.88	0.02
Hempstead Lake	14258.1*	Max WS	7660.83	19.50	41.04		41.05	0.000002	0.45	20448.69	1638.01	0.02
Hempstead Lake	14238.1*	Max WS	7660.70	19.50	41.04		41.05	0.000002	0.45	20210.23	1619.97	0.02
Hempstead Lake	14218.0*	Max WS	7660.57	19.50	41.04		41.05	0.000002	0.46	19972.28	1602.94	0.02
Hempstead Lake	14198.0*	Max WS	7660.44	19.51	41.04		41.05	0.000002	0.47	19738.92	1587.07	0.02
Hempstead Lake	14178.0*	Max WS	7653.69	19.51	41.04		41.05	0.000002	0.48	19508.96	1572.65	0.02
Hempstead Lake	14157.9*	Max WS	7653.68	19.51	41.04		41.05	0.000002	0.49	19284.59	1557.71	0.02
Hempstead Lake	14137.9*	Max WS	7660.06	19.51	41.04		41.05	0.000002	0.49	19094.06	1631.67	0.02
Hempstead Lake	14117.9*	Max WS	7653.66	19.52	41.04		41.05	0.000002	0.50	18929.32	1642.22	0.02
Hempstead Lake	14097.8*	Max WS	7659.79	19.52	41.04		41.05	0.000002	0.51	18773.85	1639.22	0.02
Hempstead Lake	14077.8*	Max WS	7659.66	19.52	41.04		41.05	0.000002	0.52	18625.79	1636.89	0.02
Hempstead Lake	14057.8*	Max WS	7653.64	19.52	41.04		41.05	0.000002	0.53	18479.98	1629.85	0.02
Hempstead Lake	14037.7*	Max WS	7653.62	19.53	41.04		41.05	0.000002	0.54	18336.62	1622.35	0.02
Hempstead Lake	14017.75	Max WS	7659.26	19.53	41.04		41.05	0.000003	0.55	18193.18	1632.68	0.02
Hempstead Lake	13998.2*	Max WS	7659.14	19.61	41.04		41.05	0.000005	0.52	18206.52	1624.67	0.02
Hempstead Lake	13978.6*	Max WS	7653.58	19.69	41.04		41.05	0.000005	0.51	18233.01	1619.88	0.02
Hempstead Lake	13959.1*	Max WS	7658.91	19.77	41.04		41.05	0.000005	0.51	18269.63	1610.67	0.02
Hempstead Lake	13939.6*	Max WS	7653.58	19.85	41.04		41.05	0.000005	0.50	18318.44	1598.68	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7658.67	19.94	41.04		41.05	0.000005	0.49	18382.63	1586.31	0.02
Hempstead Lake	13900.5*	Max WS	7658.56	20.02	41.04		41.05	0.000005	0.48	18458.11	1573.19	0.02
Hempstead Lake	13881.*	Max WS	7658.45	20.10	41.04		41.04	0.000005	0.47	18547.94	1560.79	0.02
Hempstead Lake	13861.4*	Max WS	7658.34	20.18	41.04		41.04	0.000005	0.47	18652.60	1544.82	0.02
Hempstead Lake	13841.9*	Max WS	7658.23	20.26	41.04		41.04	0.000005	0.46	18770.20	1530.97	0.02
Hempstead Lake	13822.3*	Max WS	7653.54	20.34	41.04		41.04	0.000005	0.45	18897.86	1519.89	0.02
Hempstead Lake	13802.8*	Max WS	7653.52	20.42	41.04		41.04	0.000005	0.45	19037.94	1509.93	0.02
Hempstead Lake	13783.3*	Max WS	7657.90	20.50	41.04		41.04	0.000005	0.44	19184.74	1501.30	0.02
Hempstead Lake	13763.7*	Max WS	7657.79	20.59	41.04		41.04	0.000005	0.44	19340.34	1493.90	0.02
Hempstead Lake	13744.2*	Max WS	7657.68	20.67	41.04		41.04	0.000004	0.43	19501.90	1487.57	0.02
Hempstead Lake	13724.7*	Max WS	7653.50	20.75	41.04		41.04	0.000004	0.42	19671.23	1482.53	0.02
Hempstead Lake	13705.1*	Max WS	7653.48	20.83	41.04		41.04	0.000004	0.42	19842.59	1477.97	0.02
Hempstead Lake	13685.63	Max WS	7657.36	20.91	41.04		41.04	0.000002	0.42	20020.40	1474.19	0.02
Hempstead Lake	13666.4*	Max WS	7653.46	21.07	41.04		41.04	0.000003	0.41	20119.23	1476.16	0.02
Hempstead Lake	13647.1*	Max WS	7657.14	21.23	41.04		41.04	0.000003	0.41	20209.68	1473.35	0.02
Hempstead Lake	13627.9*	Max WS	7653.43	21.39	41.04		41.04	0.000003	0.41	20291.31	1470.54	0.02
Hempstead Lake	13608.7*	Max WS	7653.42	21.56	41.04		41.04	0.000003	0.41	20363.09	1467.50	0.02
Hempstead Lake	13589.5*	Max WS	7653.41	21.72	41.04		41.04	0.000003	0.41	20428.10	1464.52	0.02
Hempstead Lake	13570.2*	Max WS	7656.71	21.88	41.04		41.04	0.000003	0.41	20483.67	1461.58	0.02
Hempstead Lake	13551.0*	Max WS	7653.39	22.04	41.04		41.04	0.000003	0.41	20531.69	1458.75	0.02
Hempstead Lake	13531.8*	Max WS	7656.50	22.20	41.04		41.04	0.000002	0.41	20568.87	1456.00	0.02
Hempstead Lake	13512.6*	Max WS	7653.37	22.36	41.04		41.04	0.000002	0.41	20598.59	1452.85	0.02
Hempstead Lake	13493.3*	Max WS	7653.35	22.53	41.04		41.04	0.000002	0.41	20619.65	1450.02	0.02
Hempstead Lake	13474.1*	Max WS	7656.18	22.69	41.04		41.04	0.000002	0.41	20631.25	1447.47	0.02
Hempstead Lake	13454.9*	Max WS	7653.32	22.85	41.04		41.04	0.000002	0.41	20633.49	1445.24	0.02
Hempstead Lake	13435.72	Max WS	7653.30	23.01	41.04		41.04	0.000002	0.40	20628.12	1443.21	0.02
Hempstead Lake	13419.3*	Max WS	7653.29	23.00	41.04		41.04	0.000002	0.41	20605.61	1447.23	0.02
Hempstead Lake	13403.0*	Max WS	7655.79	23.00	41.04		41.04	0.000002	0.41	20589.34	1451.23	0.02
Hempstead Lake	13386.6*	Max WS	7655.70	22.99	41.04		41.04	0.000002	0.41	20577.61	1455.22	0.02
Hempstead Lake	13370.3*	Max WS	7653.25	22.98	41.04		41.04	0.000002	0.41	20571.71	1459.15	0.02
Hempstead Lake	13354.*	Max WS	7653.23	22.98	41.04		41.04	0.000002	0.41	20569.73	1463.06	0.02
Hempstead Lake	13337.6*	Max WS	7653.21	22.97	41.04		41.04	0.000003	0.41	20574.18	1466.95	0.02
Hempstead Lake	13321.3*	Max WS	7653.19	22.96	41.04		41.04	0.000003	0.40	20583.74	1470.76	0.02
Hempstead Lake	13304.9*	Max WS	7655.23	22.95	41.04		41.04	0.000003	0.40	20597.62	1474.57	0.02
Hempstead Lake	13288.6*	Max WS	7653.17	22.95	41.04		41.04	0.000003	0.40	20616.46	1478.36	0.02
Hempstead Lake	13272.29	Max WS	7653.15	22.94	41.04		41.04	0.000002	0.40	20641.54	1482.10	0.02
Hempstead Lake	13255.0*	Max WS	7653.13	22.90	41.04		41.04	0.000002	0.40	20606.73	1483.66	0.02
Hempstead Lake	13237.8*	Max WS	7654.81	22.87	41.04		41.04	0.000003	0.41	20575.63	1485.13	0.02
Hempstead Lake	13220.5*	Max WS	7653.10	22.83	41.04		41.04	0.000003	0.41	20549.54	1486.51	0.02
Hempstead Lake	13203.3*	Max WS	7653.08	22.80	41.04		41.04	0.000003	0.41	20526.03	1487.79	0.02
Hempstead Lake	13186.0*	Max WS	7653.05	22.76	41.04		41.04	0.000003	0.41	20506.87	1488.95	0.02
Hempstead Lake	13168.8*	Max WS	7653.02	22.72	41.04		41.04	0.000003	0.41	20491.71	1489.93	0.02
Hempstead Lake	13151.6*	Max WS	7653.00	22.69	41.04		41.04	0.000003	0.41	20479.52	1490.80	0.02
Hempstead Lake	13134.3*	Max WS	7652.98	22.65	41.04		41.04	0.000003	0.41	20471.80	1491.51	0.02
Hempstead Lake	13117.1*	Max WS	7652.96	22.62	41.04		41.04	0.000003	0.41	20468.54	1492.01	0.02
Hempstead Lake	13099.8*	Max WS	7652.94	22.58	41.04		41.04	0.000003	0.41	20469.40	1492.32	0.02
Hempstead Lake	13082.6*	Max WS	7652.91	22.55	41.04		41.04	0.000003	0.41	20473.10	1492.60	0.02
Hempstead Lake	13065.3*	Max WS	7652.87	22.51	41.04		41.04	0.000003	0.41	20482.70	1492.76	0.02
Hempstead Lake	13048.1*	Max WS	7652.85	22.47	41.04		41.04	0.000003	0.41	20495.79	1492.72	0.02
Hempstead Lake	13030.9*	Max WS	7652.82	22.44	41.04		41.04	0.000003	0.41	20512.15	1492.51	0.02
Hempstead Lake	13013.6*	Max WS	7652.79	22.40	41.04		41.04	0.000003	0.41	20533.16	1492.09	0.02
Hempstead Lake	12996.4*	Max WS	7652.76	22.37	41.04		41.04	0.000003	0.40	20559.55	1491.34	0.02
Hempstead Lake	12979.1*	Max WS	7652.73	22.33	41.04		41.04	0.000003	0.40	20587.79	1490.34	0.02
Hempstead Lake	12961.9*	Max WS	7652.70	22.29	41.04		41.04	0.000003	0.40	20624.04	1488.98	0.02
Hempstead Lake	12944.7*	Max WS	7652.67	22.26	41.04		41.04	0.000003	0.40	20662.05	1487.19	0.02
Hempstead Lake	12927.4*	Max WS	7652.65	22.22	41.04		41.04	0.000003	0.40	20706.30	1485.08	0.02
Hempstead Lake	12910.2*	Max WS	7652.63	22.19	41.04		41.04	0.000003	0.40	20755.24	1482.70	0.02
Hempstead Lake	12892.97	Max WS	7652.60	22.15	41.04		41.04	0.000002	0.40	20808.68	1479.95	0.02
Hempstead Lake	12881.0*	Max WS	8976.71	22.12	41.04		41.04	0.000002	0.47	20797.38	1477.15	0.02
Hempstead Lake	12869.1*	Max WS	8976.66	22.09	41.04		41.04	0.000002	0.47	20789.65	1473.91	0.02
Hempstead Lake	12857.1*	Max WS	8976.63	22.06	41.04		41.04	0.000002	0.47	20781.34	1470.36	0.02
Hempstead Lake	12845.2*	Max WS	8976.60	22.03	41.04		41.04	0.000002	0.47	20773.79	1466.43	0.02
Hempstead Lake	12833.3*	Max WS	8976.57	22.00	41.04		41.04	0.000002	0.47	20765.91	1462.42	0.02
Hempstead Lake	12821.4*	Max WS	8976.53	21.97	41.04		41.04	0.000002	0.47	20761.64	1458.39	0.02
Hempstead Lake	12809.4*	Max WS	8976.49	21.94	41.04		41.04	0.000002	0.47	20757.08	1454.11	0.02
Hempstead Lake	12797.5*	Max WS	8976.45	21.92	41.04		41.04	0.000002	0.47	20752.33	1449.72	0.02
Hempstead Lake	12785.6*	Max WS	8976.42	21.89	41.04		41.04	0.000002	0.47	20749.98	1445.00	0.02
Hempstead Lake	12773.7*	Max WS	8976.38	21.86	41.04		41.04	0.000002	0.47	20748.43	1440.03	0.02
Hempstead Lake	12761.7*	Max WS	8976.34	21.83	41.04		41.04	0.000002	0.47	20747.28	1435.60	0.02
Hempstead Lake	12749.8*	Max WS	8976.30	21.80	41.04		41.04	0.000002	0.47	20748.17	1431.70	0.02
Hempstead Lake	12737.9*	Max WS	8976.26	21.77	41.04		41.04	0.000002	0.47	20749.51	1427.90	0.02
Hempstead Lake	12726.0*	Max WS	8976.22	21.74	41.04		41.04	0.000002	0.47	20750.95	1424.15	0.02
Hempstead Lake	12714.0*	Max WS	8976.19	21.71	41.04		41.04	0.000002	0.48	20751.97	1420.34	0.02
Hempstead Lake	12702.1*	Max WS	8976.15	21.68	41.04		41.04	0.000002	0.48	20756.89	1417.11	0.02
Hempstead Lake	12690.2*	Max WS	8976.11	21.65	41.04		41.04	0.000002	0.48	20761.18	1413.89	0.02
Hempstead Lake	12678.3*	Max WS	8976.08	21.62	41.04		41.04	0.000002	0.48	20766.23	1411.43	0.02
Hempstead Lake	12666.3*	Max WS	8976.04	21.59	41.04		41.04	0.000002	0.48	20771.30	1409.21	0.02
Hempstead Lake	12654.4*	Max WS	8976.01	21.56	41.04		41.04	0.000002	0.48	20776.94	1407.01	0.02
Hempstead Lake	12642.5*	Max WS	8975.97	21.53	41.04		41.04	0.000002	0.48	20784.06	1404.92	0.02
Hempstead Lake	12630.6*	Max WS	8975.93	21.50	41.04		41.04	0.000002	0.48	20790.96	1402.76	0.02
Hempstead Lake	12618.6*	Max WS	8975.88	21.47	41.04		41.04	0.000002	0.48	20799.19	1400.65	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	8975.84	21.45	41.04		41.04	0.000002	0.48	20806.87	1398.59	0.02
Hempstead Lake	12594.8*	Max WS	8975.81	21.42	41.04		41.04	0.000002	0.48	20816.59	1396.51	0.02
Hempstead Lake	12582.9*	Max WS	8975.77	21.39	41.04		41.04	0.000002	0.48	20825.79	1394.42	0.02
Hempstead Lake	12570.9*	Max WS	8975.73	21.36	41.04		41.04	0.000002	0.48	20834.88	1392.41	0.02
Hempstead Lake	12559.0*	Max WS	8975.69	21.33	41.04		41.04	0.000002	0.48	20844.97	1390.37	0.02
Hempstead Lake	12547.1*	Max WS	8975.64	21.30	41.04		41.04	0.000002	0.48	20856.44	1388.33	0.02
Hempstead Lake	12535.2*	Max WS	8975.60	21.27	41.04		41.04	0.000002	0.47	20868.69	1386.37	0.02
Hempstead Lake	12523.27	Max WS	8975.56	21.24	41.04		41.04	0.000002	0.48	20879.72	1384.35	0.02
Hempstead Lake	12515.8*	Max WS	9549.53	21.24	41.04		41.04	0.000003	0.50	20720.16	1370.94	0.02
Hempstead Lake	12508.3*	Max WS	9549.50	21.24	41.04		41.04	0.000003	0.51	20562.55	1357.47	0.02
Hempstead Lake	12500.9*	Max WS	9549.48	21.23	41.04		41.04	0.000003	0.51	20405.54	1343.99	0.02
Hempstead Lake	12493.4*	Max WS	9549.46	21.23	41.04		41.04	0.000004	0.51	20248.83	1330.41	0.02
Hempstead Lake	12486.0*	Max WS	9549.43	21.23	41.04		41.04	0.000004	0.51	20094.30	1316.72	0.02
Hempstead Lake	12478.5*	Max WS	9549.41	21.23	41.04		41.04	0.000005	0.51	19939.47	1302.99	0.02
Hempstead Lake	12471.1*	Max WS	9549.39	21.23	41.04		41.04	0.000005	0.51	19785.78	1289.18	0.02
Hempstead Lake	12463.7*	Max WS	9549.36	21.23	41.04		41.04	0.000006	0.52	19633.02	1275.24	0.02
Hempstead Lake	12456.2*	Max WS	9549.34	21.22	41.04		41.04	0.000006	0.52	19481.62	1261.19	0.02
Hempstead Lake	12448.8*	Max WS	9549.32	21.22	41.04		41.04	0.000007	0.52	19330.16	1246.58	0.02
Hempstead Lake	12441.3*	Max WS	9549.30	21.22	41.04		41.04	0.000007	0.52	19179.73	1231.74	0.02
Hempstead Lake	12433.9*	Max WS	9549.28	21.22	41.04		41.04	0.000008	0.52	19030.56	1217.62	0.02
Hempstead Lake	12426.4*	Max WS	9549.26	21.22	41.04		41.04	0.000009	0.53	18884.17	1203.53	0.02
Hempstead Lake	12419.0*	Max WS	9549.24	21.21	41.04		41.04	0.000009	0.53	18736.56	1189.28	0.02
Hempstead Lake	12411.5*	Max WS	9549.22	21.21	41.04		41.04	0.000010	0.53	18591.21	1174.60	0.02
Hempstead Lake	12404.1*	Max WS	9549.20	21.21	41.04		41.04	0.000011	0.53	18446.77	1159.76	0.02
Hempstead Lake	12396.6*	Max WS	9549.18	21.21	41.04		41.04	0.000011	0.54	18303.40	1144.63	0.02
Hempstead Lake	12389.2*	Max WS	9549.16	21.21	41.04		41.04	0.000012	0.54	18162.19	1129.29	0.02
Hempstead Lake	12381.8*	Max WS	9549.14	21.21	41.04		41.04	0.000013	0.54	18021.84	1113.45	0.02
Hempstead Lake	12374.3*	Max WS	9549.12	21.20	41.04		41.04	0.000014	0.54	17883.04	1097.10	0.02
Hempstead Lake	12366.9*	Max WS	9549.10	21.20	41.03		41.04	0.000015	0.55	17746.81	1080.34	0.02
Hempstead Lake	12359.46	Max WS	9549.08	21.20	41.03		41.04	0.000003	0.56	17612.11	1063.37	0.02
Hempstead Lake	12349.5*	Max WS	9932.97	21.17	41.03		41.04	0.000017	0.58	17319.75	1048.35	0.02
Hempstead Lake	12339.7*	Max WS	9932.94	21.14	41.03		41.04	0.000018	0.59	17030.14	1033.35	0.02
Hempstead Lake	12329.8*	Max WS	9932.91	21.10	41.03		41.04	0.000018	0.60	16740.76	1018.32	0.02
Hempstead Lake	12320.*	Max WS	9932.88	21.07	41.03		41.04	0.000018	0.61	16453.88	1003.23	0.03
Hempstead Lake	12310.1*	Max WS	9932.86	21.04	41.03		41.04	0.000019	0.63	16166.48	988.11	0.03
Hempstead Lake	12300.2*	Max WS	9932.83	21.01	41.03		41.04	0.000019	0.64	15880.51	972.95	0.03
Hempstead Lake	12290.4*	Max WS	9932.80	20.97	41.03		41.04	0.000019	0.65	15597.95	957.80	0.03
Hempstead Lake	12280.5*	Max WS	9932.77	20.94	41.03		41.04	0.000020	0.66	15314.51	942.66	0.03
Hempstead Lake	12270.6*	Max WS	9932.74	20.91	41.03		41.04	0.000020	0.68	15031.56	927.44	0.03
Hempstead Lake	12260.8*	Max WS	9932.71	20.88	41.03		41.04	0.000021	0.69	14750.06	912.26	0.03
Hempstead Lake	12250.9*	Max WS	9932.69	20.84	41.03		41.04	0.000021	0.70	14470.51	897.06	0.03
Hempstead Lake	12241.0*	Max WS	9932.66	20.81	41.03		41.04	0.000021	0.72	14191.39	881.72	0.03
Hempstead Lake	12231.2*	Max WS	9932.64	20.78	41.03		41.04	0.000022	0.73	13913.83	866.60	0.03
Hempstead Lake	12221.3*	Max WS	9932.61	20.75	41.03		41.04	0.000023	0.75	13636.59	851.48	0.03
Hempstead Lake	12211.4*	Max WS	9932.58	20.71	41.03		41.04	0.000023	0.76	13361.62	836.37	0.03
Hempstead Lake	12201.6*	Max WS	9932.56	20.68	41.03		41.04	0.000024	0.78	13086.90	820.87	0.03
Hempstead Lake	12191.7*	Max WS	9932.53	20.65	41.03		41.04	0.000024	0.80	12812.68	805.16	0.03
Hempstead Lake	12181.8*	Max WS	9932.50	20.62	41.03		41.04	0.000025	0.82	12540.47	789.83	0.03
Hempstead Lake	12172.0*	Max WS	9932.48	20.58	41.02		41.04	0.000026	0.83	12271.15	777.59	0.03
Hempstead Lake	12162.1*	Max WS	9932.45	20.55	41.02		41.04	0.000026	0.85	12001.21	763.79	0.04
Hempstead Lake	12152.2*	Max WS	9932.42	20.52	41.02		41.03	0.000027	0.88	11732.12	749.63	0.04
Hempstead Lake	12142.4*	Max WS	9932.40	20.49	41.02		41.03	0.000023	0.90	11464.68	735.33	0.04
Hempstead Lake	12132.5*	Max WS	9932.38	20.45	41.02		41.03	0.000023	0.92	11198.69	721.17	0.04
Hempstead Lake	12122.7*	Max WS	9931.96	20.42	41.02		41.03	0.000024	0.95	10934.02	706.84	0.04
Hempstead Lake	12112.8*	Max WS	9932.33	20.39	41.02		41.03	0.000024	0.97	10669.71	692.33	0.04
Hempstead Lake	12102.9*	Max WS	9931.95	20.36	41.02		41.03	0.000024	1.00	10406.90	677.66	0.04
Hempstead Lake	12093.1*	Max WS	9932.28	20.32	41.02		41.03	0.000024	1.03	10144.77	662.69	0.04
Hempstead Lake	12083.2*	Max WS	9931.95	20.29	41.02		41.03	0.000025	1.05	9884.25	647.58	0.04
Hempstead Lake	12073.3*	Max WS	9931.95	20.26	41.02		41.03	0.000025	1.08	9624.58	632.40	0.05
Hempstead Lake	12063.5*	Max WS	9931.95	20.23	41.01		41.03	0.000026	1.12	9365.47	617.06	0.05
Hempstead Lake	12053.6*	Max WS	9932.19	20.19	41.01		41.03	0.000025	1.15	9107.97	601.54	0.05
Hempstead Lake	12043.7*	Max WS	9931.95	20.16	41.01		41.03	0.000026	1.18	8851.53	585.85	0.05
Hempstead Lake	12033.9*	Max WS	9932.14	20.13	41.01		41.03	0.000026	1.22	8594.71	569.82	0.05
Hempstead Lake	12024.0*	Max WS	9932.12	20.10	41.01		41.03	0.000027	1.26	8339.65	553.77	0.05
Hempstead Lake	12014.1*	Max WS	9931.94	20.06	41.01		41.03	0.000026	1.30	8084.74	537.55	0.05
Hempstead Lake	12004.3*	Max WS	9932.08	20.03	41.00		41.03	0.000027	1.35	7831.77	521.20	0.06
Hempstead Lake	11994.45	Max WS	9932.07	20.00	41.00		41.03	0.000075	1.38	7576.74	504.55	0.06
Hempstead Lake	11989.45	Max WS	9993.11	20.00	41.00	24.78	41.03	0.000076	1.39	7575.65	504.53	0.06
Hempstead Lake	11979		Inl Struct									
Hempstead Lake	11969.45	Max WS	9992.97	20.00	40.96		40.99	0.000076	1.40	7559.00	504.00	0.06
Hempstead Lake	11964.45	Max WS	9992.97	20.00	40.96		40.99	0.000076	1.41	7558.57	503.99	0.06
Hempstead Lake	11954.6*	Max WS	9993.08	19.97	40.96		40.99	0.000031	1.47	7430.26	512.88	0.06
Hempstead Lake	11944.8*	Max WS	9992.97	19.95	40.96		40.99	0.000034	1.50	7303.07	522.77	0.06
Hempstead Lake	11934.9*	Max WS	9993.05	19.92	40.95		40.99	0.000037	1.54	7180.65	533.88	0.07
Hempstead Lake	11925.1*	Max WS	9992.96	19.90	40.95		40.99	0.000040	1.57	7058.62	543.89	0.07
Hempstead Lake	11915.3*	Max WS	9992.96	19.87	40.95		40.98	0.000043	1.61	6940.84	554.37	0.07
Hempstead Lake	11905.5*	Max WS	9993.01	19.84	40.93		40.97	0.000048	1.65	6821.60	565.60	0.07
Hempstead Lake	11895.6*	Max WS	9992.95	19.82	40.93		40.97	0.000052	1.69	6708.67	576.73	0.08
Hempstead Lake	11885.8*	Max WS	9992.95	19.79	40.92		40.96	0.000057	1.73	6599.72	588.54	0.08
Hempstead Lake	11876.0*	Max WS	9992.95	19.77	40.91		40.95	0.000086	1.76	6494.17	601.18	0.08
Hempstead Lake	11866.2*	Max WS	9992.94	19.74	40.90		40.94	0.000093	1.80	6389.65	602.85	0.09

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11856.4*	Max WS	9992.94	19.72	40.88		40.93	0.000101	1.85	6281.30	604.50	0.09
Hempstead Lake	11846.5*	Max WS	9992.94	19.69	40.86		40.91	0.000110	1.89	6168.83	606.16	0.09
Hempstead Lake	11836.7*	Max WS	9992.94	19.66	40.84		40.89	0.000121	1.95	6050.50	607.82	0.10
Hempstead Lake	11826.9*	Max WS	9992.94	19.64	40.75		40.81	0.000135	2.01	5895.32	609.47	0.10
Hempstead Lake	11817.1*	Max WS	9992.93	19.61	40.63		40.69	0.000154	2.09	5714.42	611.13	0.11
Hempstead Lake	11807.2*	Max WS	9992.93	19.59	40.56		40.62	0.000172	2.16	5566.31	612.78	0.12
Hempstead Lake	11797.46	Max WS	4731.89	19.56	38.68		38.71	0.000045	1.35	4305.08	614.44	0.08
Hempstead Lake	11792.46	Max WS	9992.93	19.56	39.74		39.83	0.000134	2.52	4913.92	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	1928.85	19.54	35.05		35.20	0.000203	3.05	632.82	378.48	0.16
Hempstead Lake	11627.46	Max WS	1930.71	19.54	35.07		35.19	0.000178	2.81	687.32	534.98	0.21
Hempstead Lake	11617.9*	Max WS	1930.71	19.43	35.06		35.15	0.000824	2.37	816.32	615.68	0.20
Hempstead Lake	11608.4*	Max WS	1932.58	19.31	35.09		35.14	0.000712	1.93	1000.37	651.77	0.17
Hempstead Lake	11598.94	Max WS	1936.36	19.20	35.11		35.15	0.000091	1.59	1220.91	669.04	0.14
Hempstead Lake	11573.9*	Max WS	2166.80	19.18	35.18		35.20	0.000074	1.25	1903.49	745.15	0.12
Hempstead Lake	11548.9*	Max WS	2168.72	19.15	35.19		35.20	0.000064	1.03	2390.90	821.70	0.09
Hempstead Lake	11523.9*	Max WS	2168.62	19.12	35.19		35.20	0.000055	0.84	2946.62	899.60	0.07
Hempstead Lake	11498.9*	Max WS	2168.55	19.10	35.19		35.20	0.000046	0.69	3568.88	970.53	0.06
Hempstead Lake	11473.9*	Max WS	2168.50	19.08	35.19		35.20	0.000035	0.56	4260.83	1041.63	0.04
Hempstead Lake	11448.9*	Max WS	2168.44	19.05	35.19		35.20	0.000025	0.46	5021.39	1106.78	0.03
Hempstead Lake	11423.9*	Max WS	2168.38	19.02	35.19		35.20	0.000017	0.39	5854.87	1149.19	0.03
Hempstead Lake	11398.9*	Max WS	2168.34	19.00	35.19		35.20	0.000012	0.32	6759.26	1211.05	0.02
Hempstead Lake	11373.9*	Max WS	2168.29	18.98	35.19		35.20	0.000008	0.28	7734.43	1278.11	0.02
Hempstead Lake	11349.*	Max WS	2168.24	18.95	35.19		35.20	0.000006	0.24	8778.64	1345.98	0.01
Hempstead Lake	11324.*	Max WS	2168.19	18.92	35.19		35.19	0.000004	0.20	9895.30	1413.69	0.01
Hempstead Lake	11299.0*	Max WS	2168.15	18.90	35.19		35.19	0.000003	0.17	11079.21	1481.33	0.01
Hempstead Lake	11274.0*	Max WS	2168.11	18.88	35.19		35.19	0.000002	0.15	12336.42	1548.56	0.01
Hempstead Lake	11249.0*	Max WS	2168.07	18.85	35.19		35.19	0.000001	0.13	13662.34	1616.32	0.01
Hempstead Lake	11224.0*	Max WS	2168.02	18.83	35.19		35.19	0.000001	0.11	15057.26	1685.40	0.01
Hempstead Lake	11199.0*	Max WS	2167.97	18.80	35.19		35.19	0.000001	0.10	16522.01	1754.32	0.01
Hempstead Lake	11174.0*	Max WS	2167.91	18.77	35.19		35.19	0.000001	0.09	18059.74	1823.65	0.00
Hempstead Lake	11149.0*	Max WS	2167.84	18.75	35.19		35.19	0.000000	0.08	19664.91	1893.03	0.00
Hempstead Lake	11124.0*	Max WS	2167.76	18.73	35.19		35.19	0.000000	0.07	21342.40	1962.23	0.00
Hempstead Lake	11099.0*	Max WS	2167.68	18.70	35.19		35.19	0.000000	0.06	23088.21	2031.85	0.00
Hempstead Lake	11074.0*	Max WS	2167.59	18.67	35.19		35.19	0.000000	0.05	24906.36	2101.54	0.00
Hempstead Lake	11049.07	Max WS	2167.51	18.65	35.19		35.19	0.000000	0.08	26792.05	2171.52	0.00
Hempstead Lake	11038.4*	Max WS	2167.46	18.61	35.19		35.19	0.000000	0.05	26112.29	2148.20	0.00
Hempstead Lake	11027.7*	Max WS	2167.41	18.58	35.19		35.19	0.000000	0.05	25451.06	2124.87	0.00
Hempstead Lake	11017.0*	Max WS	2167.36	18.54	35.19		35.19	0.000000	0.06	24805.03	2101.38	0.00
Hempstead Lake	11006.4*	Max WS	2167.31	18.50	35.19		35.19	0.000000	0.06	24175.57	2070.06	0.00
Hempstead Lake	10995.7*	Max WS	2167.25	18.47	35.19		35.19	0.000000	0.06	23586.97	1864.03	0.00
Hempstead Lake	10985.0*	Max WS	2167.20	18.43	35.19		35.19	0.000000	0.07	23025.19	1844.64	0.00
Hempstead Lake	10974.4*	Max WS	2167.15	18.39	35.19		35.19	0.000000	0.07	22478.84	1825.44	0.00
Hempstead Lake	10963.7*	Max WS	2167.10	18.35	35.19		35.19	0.000000	0.08	21948.94	1806.04	0.00
Hempstead Lake	10953.1*	Max WS	2167.05	18.32	35.19		35.19	0.000000	0.08	21435.58	1786.87	0.00
Hempstead Lake	10942.4*	Max WS	2167.00	18.28	35.19		35.19	0.000000	0.09	20936.99	1767.87	0.00
Hempstead Lake	10931.7*	Max WS	2166.95	18.24	35.19		35.19	0.000000	0.09	20451.78	1748.72	0.00
Hempstead Lake	10921.1*	Max WS	2166.90	18.21	35.19		35.19	0.000000	0.10	19985.63	1729.66	0.00
Hempstead Lake	10910.4*	Max WS	2166.85	18.17	35.19		35.19	0.000001	0.10	19536.68	1710.75	0.00
Hempstead Lake	10899.7*	Max WS	2166.79	18.13	35.19		35.19	0.000001	0.11	19100.02	1691.74	0.01
Hempstead Lake	10889.1*	Max WS	2166.73	18.10	35.19		35.19	0.000001	0.11	18680.88	1672.97	0.01
Hempstead Lake	10878.4*	Max WS	2166.68	18.06	35.19		35.19	0.000001	0.12	18276.62	1654.07	0.01
Hempstead Lake	10867.8*	Max WS	2166.62	18.02	35.19		35.19	0.000001	0.12	17888.94	1635.11	0.01
Hempstead Lake	10857.1*	Max WS	2166.55	17.99	35.19		35.19	0.000001	0.13	17515.59	1616.45	0.01
Hempstead Lake	10846.4*	Max WS	2166.48	17.95	35.19		35.19	0.000001	0.13	17160.37	1597.71	0.01
Hempstead Lake	10835.8*	Max WS	2166.43	17.91	35.19		35.19	0.000001	0.14	16818.24	1579.06	0.01
Hempstead Lake	10825.1*	Max WS	2166.37	17.88	35.19		35.19	0.000001	0.14	16492.90	1560.56	0.01
Hempstead Lake	10814.4*	Max WS	2166.30	17.84	35.19		35.19	0.000001	0.14	16184.04	1542.03	0.01
Hempstead Lake	10803.8*	Max WS	2166.23	17.80	35.19		35.19	0.000001	0.15	15889.24	1523.57	0.01
Hempstead Lake	10793.1*	Max WS	2166.17	17.76	35.19		35.19	0.000001	0.15	15612.08	1505.21	0.01
Hempstead Lake	10782.4*	Max WS	2166.10	17.73	35.19		35.19	0.000001	0.15	15348.40	1486.89	0.01
Hempstead Lake	10771.8*	Max WS	2166.04	17.69	35.19		35.19	0.000001	0.16	15101.45	1468.59	0.01
Hempstead Lake	10761.1*	Max WS	2165.99	17.65	35.19		35.19	0.000001	0.16	14871.44	1450.51	0.01
Hempstead Lake	10750.5*	Max WS	2165.92	17.62	35.19		35.19	0.000001	0.16	14654.34	1432.34	0.01
Hempstead Lake	10739.8*	Max WS	2165.86	17.58	35.19		35.19	0.000001	0.16	14453.73	1414.39	0.01
Hempstead Lake	10729.1*	Max WS	2165.80	17.54	35.19		35.19	0.000001	0.16	14269.35	1396.44	0.01
Hempstead Lake	10718.5*	Max WS	2165.73	17.51	35.19		35.19	0.000001	0.16	14098.30	1377.55	0.01
Hempstead Lake	10707.8*	Max WS	2165.66	17.47	35.19		35.19	0.000001	0.16	13945.97	1358.94	0.01
Hempstead Lake	10697.1*	Max WS	2165.59	17.43	35.19		35.19	0.000001	0.16	13806.91	1340.34	0.01
Hempstead Lake	10686.5*	Max WS	2165.52	17.40	35.19		35.19	0.000001	0.17	13685.04	1322.28	0.01
Hempstead Lake	10675.8*	Max WS	2165.46	17.36	35.19		35.19	0.000001	0.17	13577.05	1304.59	0.01
Hempstead Lake	10665.2*	Max WS	2165.40	17.32	35.19		35.19	0.000001	0.17	13484.50	1287.11	0.01
Hempstead Lake	10654.5*	Max WS	2165.33	17.29	35.19		35.19	0.000001	0.17	13406.78	1269.90	0.01
Hempstead Lake	10643.8*	Max WS	2165.26	17.25	35.19		35.19	0.000001	0.17	13344.40	1253.91	0.01
Hempstead Lake	10633.2*	Max WS	2165.20	17.21	35.19		35.19	0.000000	0.16	13296.66	1238.04	0.01
Hempstead Lake	10622.5*	Max WS	2165.15	17.17	35.19		35.19	0.000000	0.16	13263.41	1222.34	0.01
Hempstead Lake	10611.8*	Max WS	2165.09	17.14	35.19		35.19	0.000000	0.16	13243.93	1206.80	0.01
Hempstead Lake	10601.2*	Max WS	2165.01	17.10	35.19		35.19	0.000000	0.16	13239.70	1191.45	0.01
Hempstead Lake	10590.5*	Max WS	2164.92	17.06	35.19		35.19	0.000000	0.16	13249.27	1176.30	0.01
Hempstead Lake	10579.8*	Max WS	2164.84	17.03	35.19		35.19	0.000000	0.16	13280.20	1119.69	0.01
Hempstead Lake	10569.23	Max WS	2164.77	16.99	35.19		35.19	0.000000	0.16	13326.01	1106.74	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10549.1*	Max WS	2164.71	16.96	35.19		35.19	0.000000	0.16	13368.98	1109.26	0.01
Hempstead Lake	10529.0*	Max WS	2164.63	16.94	35.19		35.19	0.000000	0.16	13414.14	1108.55	0.01
Hempstead Lake	10508.9*	Max WS	2164.56	16.91	35.19		35.19	0.000000	0.16	13458.36	1107.44	0.01
Hempstead Lake	10488.7*	Max WS	2164.49	16.89	35.19		35.19	0.000000	0.16	13502.15	1105.94	0.01
Hempstead Lake	10468.6*	Max WS	2164.41	16.86	35.19		35.19	0.000000	0.16	13548.55	1104.28	0.01
Hempstead Lake	10448.5*	Max WS	2164.34	16.83	35.19		35.19	0.000000	0.16	13595.63	1102.36	0.01
Hempstead Lake	10428.4*	Max WS	2164.25	16.81	35.19		35.19	0.000000	0.16	13640.92	1100.24	0.01
Hempstead Lake	10408.3*	Max WS	2164.16	16.78	35.19		35.19	0.000000	0.16	13689.53	1098.19	0.01
Hempstead Lake	10388.2*	Max WS	2164.08	16.76	35.19		35.19	0.000000	0.16	13736.05	1096.19	0.01
Hempstead Lake	10368.1*	Max WS	2163.99	16.73	35.19		35.19	0.000000	0.16	13786.04	1093.99	0.01
Hempstead Lake	10348.0*	Max WS	2172.82	16.71	35.19		35.19	0.000000	0.16	13834.02	1091.71	0.01
Hempstead Lake	10327.9*	Max WS	2172.81	16.68	35.19		35.19	0.000000	0.16	13883.70	1089.34	0.01
Hempstead Lake	10307.8*	Max WS	2163.71	16.65	35.19		35.19	0.000000	0.16	13934.79	1087.02	0.01
Hempstead Lake	10287.7*	Max WS	2172.81	16.63	35.19		35.19	0.000000	0.16	13985.67	1084.56	0.01
Hempstead Lake	10267.6*	Max WS	2172.80	16.60	35.19		35.19	0.000000	0.15	14037.64	1082.09	0.01
Hempstead Lake	10247.4*	Max WS	2172.78	16.58	35.19		35.19	0.000000	0.15	14088.36	1079.59	0.01
Hempstead Lake	10227.3*	Max WS	2172.76	16.55	35.19		35.19	0.000000	0.15	14140.84	1077.19	0.01
Hempstead Lake	10207.2*	Max WS	2172.74	16.52	35.19		35.19	0.000000	0.15	14195.38	1074.61	0.01
Hempstead Lake	10187.1*	Max WS	2172.72	16.50	35.19		35.19	0.000000	0.15	14247.82	1072.20	0.01
Hempstead Lake	10167.0*	Max WS	2172.70	16.47	35.19		35.19	0.000000	0.15	14302.78	1069.68	0.01
Hempstead Lake	10146.9*	Max WS	2172.67	16.45	35.19		35.19	0.000000	0.15	14356.05	1067.25	0.01
Hempstead Lake	10126.8*	Max WS	2172.65	16.42	35.19		35.19	0.000000	0.15	14414.19	1064.74	0.01
Hempstead Lake	10106.7*	Max WS	2172.63	16.40	35.19		35.19	0.000000	0.15	14468.17	1062.36	0.01
Hempstead Lake	10086.6*	Max WS	2172.60	16.37	35.19		35.19	0.000000	0.15	14524.79	1059.94	0.01
Hempstead Lake	10066.5*	Max WS	2172.56	16.34	35.19		35.19	0.000000	0.15	14582.73	1057.55	0.01
Hempstead Lake	10046.4*	Max WS	2172.52	16.32	35.19		35.19	0.000000	0.15	14639.38	1055.10	0.01
Hempstead Lake	10026.2*	Max WS	2172.47	16.29	35.19		35.19	0.000000	0.15	14698.38	1060.47	0.01
Hempstead Lake	10006.1*	Max WS	2172.43	16.27	35.19		35.19	0.000000	0.15	14759.88	1077.00	0.01
Hempstead Lake	9986.073	Max WS	2172.38	16.24	35.19		35.19	0.000000	0.15	14826.40	1092.86	0.01
Hempstead Lake	9965.77*	Max WS	2172.33	16.21	35.19		35.19	0.000000	0.15	14822.74	1082.51	0.01
Hempstead Lake	9945.47*	Max WS	2172.27	16.19	35.19		35.19	0.000000	0.15	14817.33	1071.36	0.01
Hempstead Lake	9925.18*	Max WS	2172.22	16.16	35.19		35.19	0.000000	0.15	14813.11	1058.88	0.01
Hempstead Lake	9904.88*	Max WS	2172.16	16.13	35.19		35.19	0.000000	0.15	14809.67	1044.62	0.01
Hempstead Lake	9884.59*	Max WS	2172.09	16.11	35.19		35.19	0.000000	0.15	14805.02	1035.05	0.01
Hempstead Lake	9864.29*	Max WS	2172.02	16.08	35.19		35.19	0.000000	0.15	14802.40	1033.28	0.01
Hempstead Lake	9843.99*	Max WS	2171.94	16.05	35.19		35.19	0.000000	0.15	14798.19	1031.00	0.01
Hempstead Lake	9823.7*	Max WS	2182.78	16.03	35.19		35.19	0.000000	0.15	14793.44	1028.67	0.01
Hempstead Lake	9803.40*	Max WS	2171.80	16.00	35.19		35.19	0.000000	0.15	14787.18	1025.74	0.01
Hempstead Lake	9783.10*	Max WS	2171.72	15.97	35.19		35.19	0.000000	0.15	14780.82	1024.82	0.01
Hempstead Lake	9762.81*	Max WS	2182.75	15.95	35.19		35.19	0.000000	0.15	14773.68	1023.59	0.01
Hempstead Lake	9742.51*	Max WS	2182.73	15.92	35.19		35.19	0.000000	0.15	14767.03	1022.18	0.01
Hempstead Lake	9722.21*	Max WS	2182.71	15.89	35.19		35.19	0.000000	0.15	14759.73	1020.50	0.01
Hempstead Lake	9701.92*	Max WS	2182.68	15.87	35.19		35.19	0.000000	0.15	14750.85	1018.72	0.01
Hempstead Lake	9681.62*	Max WS	2182.65	15.84	35.19		35.19	0.000000	0.15	14741.37	1016.80	0.01
Hempstead Lake	9661.32*	Max WS	2182.62	15.81	35.19		35.19	0.000000	0.15	14733.00	1014.62	0.01
Hempstead Lake	9641.03*	Max WS	2182.59	15.79	35.19		35.19	0.000000	0.15	14722.14	1012.36	0.01
Hempstead Lake	9620.73*	Max WS	2182.55	15.76	35.19		35.19	0.000000	0.15	14711.63	1010.04	0.01
Hempstead Lake	9600.43*	Max WS	2182.50	15.73	35.19		35.19	0.000000	0.15	14699.32	1007.58	0.01
Hempstead Lake	9580.14*	Max WS	2182.46	15.71	35.19		35.19	0.000000	0.15	14686.57	1005.14	0.01
Hempstead Lake	9559.84*	Max WS	2182.41	15.68	35.19		35.19	0.000000	0.15	14673.54	1002.43	0.01
Hempstead Lake	9539.54*	Max WS	2182.34	15.66	35.19		35.19	0.000000	0.15	14658.86	999.72	0.01
Hempstead Lake	9519.25*	Max WS	2193.95	15.63	35.19		35.19	0.000000	0.15	14643.19	996.87	0.01
Hempstead Lake	9498.95*	Max WS	2193.94	15.60	35.19		35.19	0.000000	0.15	14629.05	994.11	0.01
Hempstead Lake	9478.65*	Max WS	2193.93	15.58	35.19		35.19	0.000000	0.15	14611.79	991.08	0.01
Hempstead Lake	9458.36*	Max WS	2193.91	15.55	35.19		35.19	0.000000	0.15	14595.00	988.12	0.01
Hempstead Lake	9438.06*	Max WS	2193.89	15.52	35.19		35.19	0.000000	0.15	14575.51	985.10	0.01
Hempstead Lake	9417.76*	Max WS	2193.86	15.50	35.19		35.19	0.000000	0.15	14556.87	982.12	0.01
Hempstead Lake	9397.47*	Max WS	2193.83	15.47	35.19		35.19	0.000000	0.15	14536.33	979.05	0.01
Hempstead Lake	9377.17*	Max WS	2193.79	15.44	35.19		35.19	0.000000	0.15	14516.89	975.99	0.01
Hempstead Lake	9356.87*	Max WS	2193.75	15.42	35.19		35.19	0.000000	0.15	14492.97	975.60	0.01
Hempstead Lake	9336.58*	Max WS	2193.70	15.39	35.19		35.19	0.000000	0.15	14471.96	975.65	0.01
Hempstead Lake	9316.28*	Max WS	2193.64	15.36	35.19		35.19	0.000000	0.15	14449.70	973.96	0.01
Hempstead Lake	9295.98*	Max WS	2205.60	15.34	35.19		35.19	0.000000	0.16	14425.45	970.31	0.01
Hempstead Lake	9275.69*	Max WS	2205.58	15.31	35.19		35.19	0.000000	0.16	14401.06	966.75	0.01
Hempstead Lake	9255.39*	Max WS	2205.56	15.28	35.19		35.19	0.000000	0.16	14375.99	963.19	0.01
Hempstead Lake	9235.09*	Max WS	2205.53	15.26	35.19		35.19	0.000000	0.16	14348.27	960.05	0.01
Hempstead Lake	9214.80*	Max WS	2217.39	15.23	35.19		35.19	0.000000	0.16	14323.03	958.27	0.01
Hempstead Lake	9194.50*	Max WS	2205.46	15.20	35.19		35.19	0.000000	0.16	14294.07	956.11	0.01
Hempstead Lake	9174.20*	Max WS	2217.39	15.18	35.19		35.19	0.000000	0.16	14264.58	954.07	0.01
Hempstead Lake	9153.910	Max WS	2205.36	15.15	35.19		35.19	0.000000	0.16	14236.29	951.85	0.01
Hempstead Lake	9133.22*	Max WS	2272.34	15.12	35.19		35.19	0.000000	0.16	14280.27	958.52	0.01
Hempstead Lake	9112.54*	Max WS	2272.32	15.10	35.19		35.19	0.000000	0.16	14319.91	964.89	0.01
Hempstead Lake	9091.85*	Max WS	2272.29	15.07	35.19		35.19	0.000000	0.16	14362.25	971.61	0.01
Hempstead Lake	9071.17*	Max WS	2272.25	15.05	35.19		35.19	0.000000	0.16	14401.40	978.36	0.01
Hempstead Lake	9050.49*	Max WS	2284.00	15.02	35.19		35.19	0.000000	0.16	14439.93	984.94	0.01
Hempstead Lake	9029.80*	Max WS	2283.98	15.00	35.19		35.19	0.000000	0.16	14476.50	991.84	0.01
Hempstead Lake	9009.12*	Max WS	2283.96	14.97	35.19		35.19	0.000000	0.16	14513.15	998.60	0.01
Hempstead Lake	8988.44*	Max WS	2295.48	14.95	35.19		35.19	0.000000	0.16	14548.18	1005.32	0.01
Hempstead Lake	8967.75*	Max WS	2295.47	14.92	35.19		35.19	0.000000	0.16	14582.11	1012.29	0.01
Hempstead Lake	8947.07*	Max WS	2295.45	14.90	35.19		35.19	0.000000	0.16	14614.50	1019.32	0.01
Hempstead Lake	8926.39*	Max WS	2295.43	14.87	35.19		35.19	0.000000	0.16	14646.32	1026.06	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	8905.70*	Max WS	2306.70	14.85	35.19		35.19	0.000000	0.16	14677.45	1033.22	0.01
Hempstead Lake	8885.02*	Max WS	2306.69	14.82	35.19		35.19	0.000000	0.16	14706.83	1040.44	0.01
Hempstead Lake	8864.33*	Max WS	2306.67	14.80	35.19		35.19	0.000000	0.16	14734.34	1047.55	0.01
Hempstead Lake	8843.65*	Max WS	2306.64	14.77	35.19		35.19	0.000000	0.16	14762.40	1054.85	0.01
Hempstead Lake	8822.97*	Max WS	2317.62	14.75	35.19		35.19	0.000000	0.16	14787.72	1062.37	0.01
Hempstead Lake	8802.28*	Max WS	2317.60	14.72	35.18		35.19	0.000000	0.16	14812.50	1069.85	0.01
Hempstead Lake	8781.60*	Max WS	2317.57	14.70	35.18		35.19	0.000000	0.16	14836.34	1077.93	0.01
Hempstead Lake	8760.92*	Max WS	2328.19	14.67	35.18		35.19	0.000000	0.16	14859.23	1086.02	0.01
Hempstead Lake	8740.23*	Max WS	2338.40	14.65	35.18		35.19	0.000000	0.16	14881.66	1094.12	0.01
Hempstead Lake	8719.55*	Max WS	2338.38	14.62	35.18		35.19	0.000000	0.16	14900.88	1102.92	0.01
Hempstead Lake	8698.86*	Max WS	2348.17	14.60	35.18		35.18	0.000000	0.16	14922.46	1112.39	0.01
Hempstead Lake	8678.18*	Max WS	2348.16	14.57	35.18		35.18	0.000000	0.16	14941.35	1122.31	0.01
Hempstead Lake	8657.50*	Max WS	2357.53	14.55	35.18		35.18	0.000000	0.16	14958.22	1133.00	0.01
Hempstead Lake	8636.81*	Max WS	2357.50	14.52	35.18		35.18	0.000000	0.16	14975.72	1144.90	0.01
Hempstead Lake	8616.13*	Max WS	2366.42	14.50	35.18		35.18	0.000000	0.16	14991.22	1157.84	0.01
Hempstead Lake	8595.45*	Max WS	2366.40	14.47	35.18		35.18	0.000000	0.16	15008.84	1172.40	0.01
Hempstead Lake	8574.76*	Max WS	2374.80	14.45	35.18		35.18	0.000000	0.16	15022.84	1199.83	0.01
Hempstead Lake	8554.08*	Max WS	2382.70	14.42	35.18		35.18	0.000000	0.16	15042.00	1265.80	0.01
Hempstead Lake	8533.39*	Max WS	2382.68	14.40	35.18		35.18	0.000000	0.16	15069.81	1348.56	0.01
Hempstead Lake	8512.71*	Max WS	2390.09	14.37	35.18		35.18	0.000000	0.16	15100.99	1382.08	0.01
Hempstead Lake	8492.03*	Max WS	2396.96	14.35	35.18		35.18	0.000000	0.16	15135.98	1414.92	0.01
Hempstead Lake	8471.34*	Max WS	2396.93	14.32	35.18		35.18	0.000000	0.16	15173.82	1456.90	0.01
Hempstead Lake	8450.66*	Max WS	2403.25	14.30	35.18		35.18	0.000000	0.16	15214.46	1502.29	0.01
Hempstead Lake	8429.980	Max WS	2409.05	14.27	35.18		35.18	0.000000	0.16	15257.35	1539.76	0.01
Hempstead Lake	8416.34*	Max WS	2409.04	14.25	35.18		35.18	0.000000	0.16	15342.93	1538.26	0.01
Hempstead Lake	8402.71*	Max WS	2414.28	14.23	35.18		35.18	0.000000	0.16	15429.92	1533.84	0.01
Hempstead Lake	8389.07*	Max WS	2414.27	14.21	35.18		35.18	0.000000	0.16	15516.35	1528.70	0.01
Hempstead Lake	8375.44*	Max WS	2414.25	14.19	35.18		35.18	0.000000	0.16	15606.90	1518.39	0.01
Hempstead Lake	8361.81*	Max WS	2418.97	14.16	35.18		35.18	0.000000	0.16	15695.15	1502.72	0.01
Hempstead Lake	8348.17*	Max WS	2418.95	14.14	35.18		35.18	0.000000	0.16	15786.25	1487.89	0.01
Hempstead Lake	8334.54*	Max WS	2426.65	14.12	35.18		35.18	0.000000	0.16	15876.73	1470.52	0.01
Hempstead Lake	8320.91*	Max WS	2426.65	14.10	35.18		35.18	0.000000	0.15	15969.90	1456.47	0.01
Hempstead Lake	8307.27*	Max WS	2426.64	14.08	35.18		35.18	0.000000	0.15	16062.78	1447.79	0.01
Hempstead Lake	8293.64*	Max WS	2429.62	14.06	35.18		35.18	0.000000	0.15	16160.65	1438.75	0.01
Hempstead Lake	8280.00*	Max WS	2431.95	14.04	35.18		35.18	0.000000	0.15	16255.95	1435.67	0.01
Hempstead Lake	8266.37*	Max WS	2431.94	14.02	35.18		35.18	0.000000	0.15	16350.45	1431.51	0.01
Hempstead Lake	8252.74*	Max WS	2431.93	13.99	35.18		35.18	0.000000	0.15	16448.24	1424.46	0.01
Hempstead Lake	8239.10*	Max WS	2433.66	13.97	35.18		35.18	0.000000	0.15	16545.21	1418.78	0.01
Hempstead Lake	8225.47*	Max WS	2434.74	13.95	35.18		35.18	0.000000	0.15	16646.09	1414.91	0.01
Hempstead Lake	8211.84*	Max WS	2434.72	13.93	35.18		35.18	0.000000	0.15	16745.70	1411.12	0.01
Hempstead Lake	8198.20*	Max WS	2435.18	13.91	35.18		35.18	0.000000	0.15	16847.47	1408.08	0.01
Hempstead Lake	8184.57*	Max WS	2434.98	13.89	35.18		35.18	0.000000	0.15	16948.06	1405.67	0.01
Hempstead Lake	8170.93*	Max WS	2434.18	13.87	35.18		35.18	0.000000	0.14	17049.99	1402.05	0.01
Hempstead Lake	8157.30*	Max WS	2432.74	13.85	35.18		35.18	0.000000	0.14	17150.76	1398.88	0.01
Hempstead Lake	8143.67*	Max WS	2434.16	13.82	35.18		35.18	0.000000	0.14	17256.11	1397.69	0.01
Hempstead Lake	8130.03*	Max WS	2432.72	13.80	35.18		35.18	0.000000	0.14	17358.57	1395.13	0.01
Hempstead Lake	8116.40*	Max WS	2430.69	13.78	35.18		35.18	0.000000	0.14	17464.77	1394.72	0.01
Hempstead Lake	8102.76*	Max WS	2430.67	13.76	35.18		35.18	0.000000	0.14	17568.56	1394.59	0.01
Hempstead Lake	8089.13*	Max WS	2428.05	13.74	35.18		35.18	0.000000	0.14	17672.05	1393.32	0.01
Hempstead Lake	8075.50*	Max WS	2428.04	13.72	35.18		35.18	0.000000	0.14	17778.33	1393.45	0.01
Hempstead Lake	8061.86*	Max WS	2424.85	13.70	35.18		35.18	0.000000	0.14	17883.80	1396.43	0.01
Hempstead Lake	8048.23*	Max WS	2424.82	13.68	35.18		35.18	0.000000	0.14	17990.16	1424.50	0.01
Hempstead Lake	8034.6*	Max WS	2421.06	13.65	35.18		35.18	0.000000	0.14	18098.83	1451.80	0.01
Hempstead Lake	8020.96*	Max WS	2416.76	13.63	35.18		35.18	0.000000	0.13	18211.04	1469.87	0.01
Hempstead Lake	8007.33*	Max WS	2416.75	13.61	35.18		35.18	0.000000	0.13	18320.06	1491.27	0.01
Hempstead Lake	7993.69*	Max WS	2416.73	13.59	35.18		35.18	0.000000	0.13	18432.44	1514.56	0.01
Hempstead Lake	7980.06*	Max WS	2416.70	13.57	35.18		35.18	0.000000	0.13	18544.51	1538.73	0.01
Hempstead Lake	7966.43*	Max WS	2411.90	13.55	35.18		35.18	0.000000	0.13	18659.54	1556.40	0.01
Hempstead Lake	7952.79*	Max WS	2406.61	13.53	35.18		35.18	0.000000	0.13	18774.80	1572.23	0.01
Hempstead Lake	7939.16*	Max WS	2406.59	13.51	35.18		35.18	0.000000	0.13	18891.01	1589.82	0.01
Hempstead Lake	7925.53*	Max WS	2400.82	13.48	35.18		35.18	0.000000	0.13	19009.12	1606.99	0.01
Hempstead Lake	7911.89*	Max WS	2400.81	13.46	35.18		35.18	0.000000	0.13	19127.53	1630.17	0.01
Hempstead Lake	7898.26*	Max WS	2400.80	13.44	35.18		35.18	0.000000	0.13	19248.39	1655.25	0.01
Hempstead Lake	7884.62*	Max WS	2400.77	13.42	35.18		35.18	0.000000	0.13	19369.58	1696.67	0.01
Hempstead Lake	7870.99*	Max WS	2394.58	13.40	35.18		35.18	0.000000	0.13	19494.35	1730.57	0.01
Hempstead Lake	7857.36*	Max WS	2394.56	13.38	35.18		35.18	0.000000	0.12	19620.73	1764.24	0.01
Hempstead Lake	7843.72*	Max WS	2394.53	13.36	35.18		35.18	0.000000	0.12	19752.62	1800.47	0.01
Hempstead Lake	7830.09*	Max WS	2387.95	13.34	35.18		35.18	0.000000	0.12	19884.38	1856.72	0.01
Hempstead Lake	7816.45*	Max WS	2380.94	13.31	35.18		35.18	0.000000	0.12	20021.79	1903.96	0.01
Hempstead Lake	7802.82*	Max WS	2387.92	13.29	35.18		35.18	0.000000	0.12	20160.79	1964.06	0.01
Hempstead Lake	7789.19*	Max WS	2387.88	13.27	35.18		35.18	0.000000	0.12	20305.57	2020.25	0.01
Hempstead Lake	7775.55*	Max WS	2380.93	13.25	35.18		35.18	0.000000	0.12	20453.13	2072.34	0.00
Hempstead Lake	7761.92*	Max WS	2380.91	13.23	35.18		35.18	0.000000	0.12	20604.53	2133.61	0.00
Hempstead Lake	7748.29*	Max WS	2380.88	13.21	35.18		35.18	0.000000	0.12	20762.57	2214.01	0.00
Hempstead Lake	7734.65*	Max WS	2373.63	13.19	35.18		35.18	0.000000	0.12	20927.10	2813.98	0.00
Hempstead Lake	7721.02*	Max WS	2373.61	13.17	35.18		35.18	0.000000	0.12	21136.81	2821.31	0.00
Hempstead Lake	7707.38*	Max WS	2373.59	13.14	35.18		35.18	0.000000	0.12	21338.85	2829.05	0.00
Hempstead Lake	7693.75*	Max WS	2366.08	13.12	35.18		35.18	0.000000	0.11	21548.23	2836.77	0.00
Hempstead Lake	7680.12*	Max WS	2373.54	13.10	35.18		35.18	0.000000	0.11	21753.13	2844.71	0.00
Hempstead Lake	7666.48*	Max WS	2366.07	13.08	35.18		35.18	0.000000	0.11	21966.73	2852.39	0.00
Hempstead Lake	7652.85*	Max WS	2373.46	13.06	35.18		35.18	0.000000	0.11	22172.03	2860.29	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7639.22*	Max WS	2366.06	13.04	35.18		35.18	0.000000	0.11	22385.41	2868.50	0.00
Hempstead Lake	7625.58*	Max WS	2366.03	13.02	35.18		35.18	0.000000	0.11	22598.78	2877.62	0.00
Hempstead Lake	7611.95*	Max WS	2366.00	13.00	35.18		35.18	0.000000	0.11	22806.96	2886.16	0.00
Hempstead Lake	7598.31*	Max WS	2365.97	12.97	35.18		35.18	0.000000	0.11	23021.16	2894.03	0.00
Hempstead Lake	7584.68*	Max WS	2358.39	12.95	35.18		35.18	0.000000	0.11	23234.07	2903.69	0.00
Hempstead Lake	7571.05*	Max WS	2358.38	12.93	35.18		35.18	0.000000	0.11	23451.56	2912.81	0.00
Hempstead Lake	7557.41*	Max WS	2358.36	12.91	35.18		35.18	0.000000	0.11	23664.37	2922.62	0.00
Hempstead Lake	7543.783	Max WS	2365.73	12.89	35.18		35.18	0.000000	0.11	23882.02	2932.50	0.00
Hempstead Lake	7530.03*	Max WS	2379.01	12.85	35.18		35.18	0.000000	0.11	24026.08	2943.33	0.00
Hempstead Lake	7516.28*	Max WS	2378.97	12.82	35.18		35.18	0.000000	0.11	24170.91	2953.31	0.00
Hempstead Lake	7502.53*	Max WS	2378.93	12.78	35.18		35.18	0.000000	0.11	24316.69	2964.35	0.00
Hempstead Lake	7488.79*	Max WS	2378.88	12.74	35.18		35.18	0.000000	0.11	24464.01	2974.72	0.00
Hempstead Lake	7475.04*	Max WS	2378.82	12.71	35.18		35.18	0.000000	0.11	24609.95	2985.22	0.00
Hempstead Lake	7461.29*	Max WS	2371.29	12.67	35.18		35.18	0.000000	0.11	24757.34	2996.01	0.00
Hempstead Lake	7447.54*	Max WS	2378.66	12.63	35.18		35.18	0.000000	0.11	24908.25	3007.79	0.00
Hempstead Lake	7433.79*	Max WS	2371.25	12.60	35.18		35.18	0.000000	0.11	25055.98	3017.36	0.00
Hempstead Lake	7420.04*	Max WS	2371.21	12.56	35.18		35.18	0.000000	0.11	25204.54	3029.47	0.00
Hempstead Lake	7406.3*	Max WS	2371.16	12.52	35.18		35.18	0.000000	0.10	25357.38	3040.89	0.00
Hempstead Lake	7392.55*	Max WS	2363.61	12.49	35.18		35.18	0.000000	0.10	25509.97	3052.43	0.00
Hempstead Lake	7378.80*	Max WS	2371.06	12.45	35.18		35.18	0.000000	0.10	25659.82	3063.40	0.00
Hempstead Lake	7365.05*	Max WS	2363.60	12.41	35.18		35.18	0.000000	0.10	25814.16	3075.97	0.00
Hempstead Lake	7351.30*	Max WS	2370.95	12.38	35.18		35.18	0.000000	0.10	25967.88	3088.90	0.00
Hempstead Lake	7337.55*	Max WS	2370.86	12.34	35.18		35.18	0.000000	0.10	26120.61	3099.72	0.00
Hempstead Lake	7323.81*	Max WS	2363.55	12.30	35.18		35.18	0.000000	0.10	26276.66	3113.05	0.00
Hempstead Lake	7310.06*	Max WS	2363.52	12.26	35.18		35.18	0.000000	0.10	26432.85	3126.60	0.00
Hempstead Lake	7296.31*	Max WS	2363.47	12.23	35.18		35.18	0.000000	0.10	26590.71	3139.03	0.00
Hempstead Lake	7282.56*	Max WS	2363.43	12.19	35.18		35.18	0.000000	0.10	26748.15	3152.65	0.00
Hempstead Lake	7268.81*	Max WS	2363.39	12.15	35.18		35.19	0.000000	0.10	26907.70	3168.05	0.00
Hempstead Lake	7255.06*	Max WS	2363.34	12.12	35.18		35.19	0.000000	0.10	27066.30	3196.92	0.00
Hempstead Lake	7241.32*	Max WS	2356.14	12.08	35.18		35.19	0.000000	0.10	27228.09	3223.37	0.00
Hempstead Lake	7227.57*	Max WS	2363.22	12.04	35.18		35.19	0.000000	0.10	27392.15	3247.41	0.00
Hempstead Lake	7213.82*	Max WS	2363.14	12.01	35.18		35.19	0.000000	0.10	27552.97	3266.79	0.00
Hempstead Lake	7200.07*	Max WS	2356.14	11.97	35.18		35.19	0.000000	0.10	27714.20	3289.32	0.00
Hempstead Lake	7186.32*	Max WS	2362.97	11.93	35.18		35.19	0.000000	0.10	27881.23	3309.45	0.00
Hempstead Lake	7172.57*	Max WS	2362.87	11.90	35.18		35.19	0.000000	0.10	28045.91	3335.40	0.00
Hempstead Lake	7158.83*	Max WS	2356.09	11.86	35.18		35.19	0.000000	0.10	28211.06	3362.70	0.00
Hempstead Lake	7145.08*	Max WS	2356.06	11.82	35.19		35.19	0.000000	0.10	28379.26	3394.29	0.00
Hempstead Lake	7131.33*	Max WS	2356.01	11.79	35.19		35.19	0.000000	0.10	28549.16	3413.43	0.00
Hempstead Lake	7117.58*	Max WS	2362.45	11.75	35.19		35.19	0.000000	0.10	28721.27	3426.52	0.00
Hempstead Lake	7103.83*	Max WS	2355.94	11.71	35.19		35.19	0.000000	0.10	28892.07	3441.31	0.00
Hempstead Lake	7090.08*	Max WS	2355.81	11.68	35.19		35.19	0.000000	0.10	29061.80	3456.73	0.00
Hempstead Lake	7076.34*	Max WS	2355.59	11.64	35.19		35.19	0.000000	0.10	29237.89	3472.12	0.00
Hempstead Lake	7062.59*	Max WS	2355.35	11.60	35.19		35.19	0.000000	0.10	29409.53	3487.95	0.00
Hempstead Lake	7048.84*	Max WS	2355.09	11.57	35.19		35.19	0.000000	0.10	29583.84	3505.24	0.00
Hempstead Lake	7035.09*	Max WS	2354.81	11.53	35.19		35.19	0.000000	0.10	29764.03	3531.98	0.00
Hempstead Lake	7021.34*	Max WS	2349.38	11.49	35.19		35.19	0.000000	0.10	29941.80	3560.35	0.00
Hempstead Lake	7007.6*	Max WS	2354.26	11.46	35.19		35.19	0.000000	0.10	30123.12	3591.82	0.00
Hempstead Lake	6993.85*	Max WS	2353.93	11.42	35.19		35.19	0.000000	0.09	30305.62	3628.19	0.00
Hempstead Lake	6980.10*	Max WS	2349.32	11.38	35.19		35.19	0.000000	0.09	30494.29	3664.20	0.00
Hempstead Lake	6966.35*	Max WS	2353.33	11.35	35.19		35.19	0.000000	0.09	30682.29	3707.69	0.00
Hempstead Lake	6952.60*	Max WS	2349.22	11.31	35.19		35.19	0.000000	0.09	30875.43	3746.02	0.00
Hempstead Lake	6938.85*	Max WS	2349.12	11.27	35.19		35.19	0.000000	0.09	31070.05	3783.82	0.00
Hempstead Lake	6925.11*	Max WS	2349.05	11.23	35.19		35.19	0.000000	0.09	31266.56	3803.01	0.00
Hempstead Lake	6911.36*	Max WS	2349.02	11.20	35.19		35.19	0.000000	0.09	31468.29	3807.16	0.00
Hempstead Lake	6897.61*	Max WS	2349.00	11.16	35.19		35.19	0.000000	0.09	31667.00	3811.31	0.00
Hempstead Lake	6883.86*	Max WS	2348.96	11.12	35.19		35.19	0.000000	0.09	31868.15	3815.47	0.00
Hempstead Lake	6870.11*	Max WS	2348.92	11.09	35.19		35.19	0.000000	0.09	32069.18	3819.62	0.00
Hempstead Lake	6856.36*	Max WS	2348.87	11.05	35.19		35.19	0.000000	0.09	32272.43	3823.77	0.00
Hempstead Lake	6842.62*	Max WS	2348.81	11.01	35.19		35.19	0.000000	0.09	32473.71	3827.92	0.00
Hempstead Lake	6828.87*	Max WS	2348.77	10.98	35.19		35.19	0.000000	0.09	32678.17	3832.08	0.00
Hempstead Lake	6815.12*	Max WS	2348.73	10.94	35.19		35.19	0.000000	0.09	32883.53	3836.23	0.00
Hempstead Lake	6801.37*	Max WS	2348.67	10.90	35.19		35.19	0.000000	0.09	33088.91	3840.38	0.00
Hempstead Lake	6787.62*	Max WS	2348.60	10.87	35.19		35.19	0.000000	0.09	33294.73	3844.54	0.00
Hempstead Lake	6773.87*	Max WS	2348.53	10.83	35.19		35.19	0.000000	0.09	33501.64	3848.69	0.00
Hempstead Lake	6760.13*	Max WS	2348.47	10.79	35.19		35.19	0.000000	0.09	33711.98	3852.84	0.00
Hempstead Lake	6746.38*	Max WS	2348.39	10.76	35.19		35.19	0.000000	0.09	33919.22	3857.00	0.00
Hempstead Lake	6732.634	Max WS	2348.24	10.72	35.19		35.19	0.000000	0.09	34129.27	3861.15	0.00
Hempstead Lake	6718.98*	Max WS	2348.05	10.73	35.19		35.19	0.000000	0.09	33979.25	3855.10	0.00
Hempstead Lake	6705.33*	Max WS	2347.86	10.74	35.19		35.19	0.000000	0.09	33831.17	3849.04	0.00
Hempstead Lake	6691.68*	Max WS	2347.64	10.75	35.19		35.19	0.000000	0.09	33679.61	3840.46	0.00
Hempstead Lake	6678.03*	Max WS	2346.40	10.76	35.19		35.19	0.000000	0.09	33530.77	3824.14	0.00
Hempstead Lake	6664.38*	Max WS	2347.17	10.77	35.19		35.19	0.000000	0.09	33383.80	3810.84	0.00
Hempstead Lake	6650.72*	Max WS	2346.91	10.78	35.19		35.19	0.000000	0.09	33236.83	3798.10	0.00
Hempstead Lake	6637.07*	Max WS	2346.64	10.79	35.19		35.19	0.000000	0.09	33092.50	3785.85	0.00
Hempstead Lake	6623.42*	Max WS	2346.40	10.80	35.19		35.19	0.000000	0.09	32945.58	3772.99	0.00
Hempstead Lake	6609.77*	Max WS	2346.12	10.81	35.19		35.19	0.000000	0.09	32801.25	3761.47	0.00
Hempstead Lake	6596.12*	Max WS	2345.82	10.82	35.19		35.19	0.000000	0.09	32655.15	3750.33	0.00
Hempstead Lake	6582.47*	Max WS	2345.56	10.83	35.19		35.19	0.000000	0.09	32512.18	3739.52	0.00
Hempstead Lake	6568.82*	Max WS	2346.58	10.84	35.19		35.19	0.000000	0.10	32368.86	3727.55	0.00
Hempstead Lake	6555.17*	Max WS	2346.55	10.85	35.19		35.19	0.000000	0.10	32226.36	3717.32	0.00
Hempstead Lake	6541.52*	Max WS	2346.51	10.86	35.19		35.19	0.000000	0.10	32085.33	3707.94	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6527.87*	Max WS	2344.41	10.87	35.19		35.19	0.000000	0.10	31942.27	3698.88	0.00
Hempstead Lake	6514.22*	Max WS	2344.07	10.88	35.19		35.19	0.000000	0.10	31801.99	3689.37	0.00
Hempstead Lake	6500.57*	Max WS	2343.74	10.89	35.19		35.19	0.000000	0.10	31661.98	3680.90	0.00
Hempstead Lake	6486.91*	Max WS	2343.42	10.91	35.19		35.19	0.000000	0.10	31521.01	3672.21	0.00
Hempstead Lake	6473.26*	Max WS	2343.11	10.92	35.19		35.19	0.000000	0.10	31380.79	3664.00	0.00
Hempstead Lake	6459.61*	Max WS	2346.46	10.93	35.19		35.19	0.000000	0.10	31244.18	3655.06	0.00
Hempstead Lake	6445.96*	Max WS	2342.43	10.94	35.19		35.19	0.000000	0.10	31104.60	3647.13	0.00
Hempstead Lake	6432.31*	Max WS	2346.40	10.95	35.19		35.19	0.000000	0.10	30966.77	3638.76	0.00
Hempstead Lake	6418.66*	Max WS	2341.77	10.96	35.19		35.19	0.000000	0.10	30827.78	3631.00	0.00
Hempstead Lake	6405.01*	Max WS	2346.32	10.97	35.19		35.19	0.000000	0.10	30691.53	3622.60	0.00
Hempstead Lake	6391.36*	Max WS	2346.26	10.98	35.19		35.19	0.000000	0.10	30557.00	3615.04	0.00
Hempstead Lake	6377.71*	Max WS	2340.62	10.99	35.19		35.19	0.000000	0.10	30419.95	3607.54	0.00
Hempstead Lake	6364.06*	Max WS	2346.15	11.00	35.19		35.19	0.000000	0.10	30285.73	3599.49	0.00
Hempstead Lake	6350.41*	Max WS	2346.09	11.01	35.19		35.19	0.000000	0.10	30151.38	3592.11	0.00
Hempstead Lake	6336.76*	Max WS	2339.61	11.02	35.19		35.19	0.000000	0.10	30018.44	3584.45	0.00
Hempstead Lake	6323.11*	Max WS	2339.26	11.03	35.19		35.19	0.000000	0.10	29883.84	3576.62	0.00
Hempstead Lake	6309.45*	Max WS	2338.89	11.04	35.19		35.19	0.000000	0.10	29750.42	3569.39	0.00
Hempstead Lake	6295.80*	Max WS	2338.52	11.05	35.19		35.19	0.000000	0.10	29617.45	3562.19	0.00
Hempstead Lake	6282.15*	Max WS	2338.12	11.06	35.18		35.19	0.000000	0.10	29485.76	3554.52	0.00
Hempstead Lake	6268.507	Max WS	2337.78	11.07	35.18		35.19	0.000000	0.10	29353.65	3547.22	0.00
Hempstead Lake	6259.72*	Max WS	2337.60	11.10	35.18		35.19	0.000000	0.10	28925.49	3343.48	0.00
Hempstead Lake	6250.93*	Max WS	2337.42	11.14	35.18		35.19	0.000000	0.10	28597.50	3140.10	0.00
Hempstead Lake	6242.14*	Max WS	2345.90	11.17	35.18		35.19	0.000000	0.10	28370.35	2936.52	0.00
Hempstead Lake	6233.35*	Max WS	2337.13	11.21	35.18		35.19	0.000000	0.10	28242.89	2732.79	0.00
Hempstead Lake	6224.57*	Max WS	2345.89	11.24	35.18		35.19	0.000000	0.09	28218.36	2529.48	0.00
Hempstead Lake	6215.78*	Max WS	2336.88	11.27	35.18		35.19	0.000000	0.09	28297.08	2325.79	0.00
Hempstead Lake	6206.99*	Max WS	2336.77	11.31	35.18		35.19	0.000000	0.09	28474.88	2118.66	0.00
Hempstead Lake	6198.21*	Max WS	2336.68	11.34	35.18		35.18	0.000000	0.08	28748.12	1899.14	0.00
Hempstead Lake	6189.42*	Max WS	2336.62	11.38	35.18		35.18	0.000000	0.08	29254.69	1869.45	0.00
Hempstead Lake	6180.638	Max WS	2336.58	11.41	35.18		35.18	0.000000	0.08	29617.97	1541.19	0.00
Hempstead Lake	6177.638	Max WS	2345.88	11.00	35.18	11.50	35.18	0.000000	0.08	30083.51	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	12323.74	10.80	32.15		32.17	0.000163	1.15	11305.08	1425.20	0.07
Hempstead Lake	5930.638	Max WS	12323.57	10.80	32.04		32.06	0.000137	1.08	12189.52	1541.19	0.06
Hempstead Lake	5880.638	Max WS	12323.38	10.80	31.94		31.96	0.000145	1.10	12106.48	1541.19	0.06
Hempstead Lake	5830.638	Max WS	12323.19	10.80	31.84		31.85	0.000147	1.10	12060.91	1541.19	0.06
Hempstead Lake	5780.638	Max WS	12323.00	10.80	31.66		31.68	0.000151	1.11	12034.68	1541.19	0.06
Hempstead Lake	5730.638	Max WS	12322.78	10.80	31.48		31.50	0.000136	1.05	12519.82	1541.19	0.06
Hempstead Lake	5680.638	Max WS	12322.52	10.80	31.40		31.42	0.000115	0.99	13183.29	1541.19	0.06
Hempstead Lake	5630.638	Max WS	12322.28	10.80	25.81		25.89	0.001366	2.04	5827.14	1292.46	0.17
Hempstead Lake	5580.638	Max WS	12322.05	10.80	25.72		25.79	0.001154	1.95	6218.69	1298.80	0.16
Hempstead Lake	5530.638	Max WS	12321.93	10.80	25.42		25.49	0.001256	2.02	6079.85	1287.14	0.16
Hempstead Lake	5480.638	Max WS	12301.52	10.80	24.92		25.00	0.001711	2.24	5511.49	1270.97	0.19
Hempstead Lake	5430.638	Max WS	12267.46	10.60	24.08		24.21	0.003399	2.74	4481.23	1257.39	0.25
Hempstead Lake	5380.638	Max WS	12244.79	10.40	23.44		23.62	0.001392	3.53	3912.93	1223.38	0.34
Hempstead Lake	5330.638	Max WS	11859.29	10.20	22.80		22.97	0.005947	3.25	3672.98	1206.32	0.32
Hempstead Lake	5307.48*	Max WS	11717.32	7.93	22.56		22.71	0.004672	3.20	3817.20	1222.49	0.31
Hempstead Lake	5284.32*	Max WS	11668.89	7.87	22.49		22.62	0.003439	3.01	4104.73	1226.99	0.27
Hempstead Lake	5261.17*	Max WS	11649.65	7.80	22.44		22.55	0.002495	2.79	4428.95	1212.88	0.24
Hempstead Lake	5238.01*	Max WS	11636.28	7.73	22.40		22.50	0.001826	2.58	4781.84	1200.84	0.21
Hempstead Lake	5214.85*	Max WS	11622.59	7.67	22.38		22.46	0.001361	2.39	5153.64	1198.93	0.19
Hempstead Lake	5191.70*	Max WS	11615.65	7.60	22.36		22.43	0.001036	2.23	5530.73	1200.88	0.17
Hempstead Lake	5168.54*	Max WS	11608.69	7.54	22.35		22.41	0.000803	2.09	5910.86	1204.13	0.15
Hempstead Lake	5145.39*	Max WS	11601.72	7.47	22.34		22.40	0.000633	1.96	6287.94	1207.87	0.14
Hempstead Lake	5122.23*	Max WS	11594.78	7.40	22.33		22.38	0.000507	1.85	6663.40	1211.05	0.13
Hempstead Lake	5099.07*	Max WS	11594.76	7.34	22.33		22.37	0.000411	1.75	7035.46	1214.33	0.12
Hempstead Lake	5075.922	Max WS	11594.70	7.27	22.32		22.37	0.000066	1.72	7403.87	1218.28	0.11
Hempstead Lake	5055.96*	Max WS	11594.65	7.23	22.32		22.36	0.000263	1.60	7704.93	1207.67	0.10
Hempstead Lake	5036.01*	Max WS	11594.61	7.20	22.32		22.36	0.000193	1.53	8034.19	1186.13	0.09
Hempstead Lake	5016.05*	Max WS	11587.91	7.16	22.32		22.35	0.000141	1.47	8396.73	1180.43	0.09
Hempstead Lake	4996.10*	Max WS	11594.49	7.12	22.32		22.35	0.000096	1.41	8779.18	1179.13	0.08
Hempstead Lake	4976.14*	Max WS	11594.43	7.09	22.32		22.35	0.000065	1.36	9172.25	1179.71	0.08
Hempstead Lake	4956.192	Max WS	11594.38	7.05	22.32		22.35	0.000030	1.31	9577.14	1181.47	0.07
Hempstead Lake	4936.44*	Max WS	11594.32	7.02	22.33		22.35	0.000042	1.24	9972.20	1179.68	0.07
Hempstead Lake	4916.69*	Max WS	11594.28	6.98	22.33		22.35	0.000051	1.18	10373.44	1176.05	0.06
Hempstead Lake	4896.94*	Max WS	11594.23	6.95	22.33		22.35	0.000062	1.13	10777.92	1171.42	0.06
Hempstead Lake	4877.19*	Max WS	11594.18	6.91	22.33		22.35	0.000069	1.08	11190.18	1166.42	0.05
Hempstead Lake	4857.44*	Max WS	11594.13	6.88	22.33		22.34	0.000077	1.04	11609.19	1161.72	0.05
Hempstead Lake	4837.697	Max WS	11594.08	6.84	22.33		22.34	0.000014	1.02	12035.91	1155.73	0.05
Hempstead Lake	4817.64*	Max WS	11656.19	6.81	22.33		22.34	0.000080	0.99	12070.19	1150.44	0.05
Hempstead Lake	4797.59*	Max WS	11650.11	6.77	22.33		22.34	0.000079	0.99	12104.68	1145.05	0.05
Hempstead Lake	4777.53*	Max WS	11650.11	6.67	22.32		22.34	0.000078	0.98	12141.71	1139.32	0.05
Hempstead Lake	4757.48*	Max WS	11650.09	6.58	22.32		22.34	0.000076	0.98	12178.87	1133.59	0.05
Hempstead Lake	4737.42*	Max WS	11650.06	6.49	22.32		22.34	0.000075	0.97	12217.48	1127.32	0.05
Hempstead Lake	4717.37*	Max WS	11650.03	6.40	22.32		22.33	0.000073	0.97	12257.73	1121.03	0.05
Hempstead Lake	4697.32*	Max WS	11649.99	6.30	22.32		22.33	0.000072	0.96	12301.35	1114.56	0.05
Hempstead Lake	4677.26*	Max WS	11649.95	6.21	22.32		22.33	0.000071	0.96	12345.51	1107.99	0.05
Hempstead Lake	4657.21*	Max WS	11649.90	6.12	22.32		22.33	0.000069	0.95	12391.86	1101.30	0.04
Hempstead Lake	4637.16*	Max WS	11644.22	6.02	22.32		22.33	0.000068	0.95	12440.73	1094.15	0.04
Hempstead Lake	4617.10*	Max WS	11644.22	5.91	22.31		22.33	0.000066	0.94	12491.48	1086.24	0.04
Hempstead Lake	4597.05*	Max WS	11644.21	5.76	22.31		22.33	0.000065	0.93	12543.27	1077.84	0.04

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4577.*	Max WS	11644.20	5.60	22.31		22.33	0.000064	0.93	12600.01	1071.42	0.04
Hempstead Lake	4556.94*	Max WS	11644.17	5.45	22.31		22.32	0.000062	0.92	12658.70	1066.21	0.04
Hempstead Lake	4536.893	Max WS	11644.15	5.30	22.31		22.32	0.000010	0.95	12718.48	1061.31	0.04
Hempstead Lake	4516.70*	Max WS	11648.17	5.16	22.31		22.32	0.000060	0.91	12774.83	1059.38	0.04
Hempstead Lake	4496.51*	Max WS	11648.14	5.02	22.31		22.32	0.000058	0.91	12835.29	1057.58	0.04
Hempstead Lake	4476.32*	Max WS	11648.09	4.88	22.31		22.32	0.000057	0.90	12902.50	1055.88	0.04
Hempstead Lake	4456.14*	Max WS	11648.04	4.74	22.31		22.32	0.000056	0.90	12971.83	1054.29	0.04
Hempstead Lake	4435.95*	Max WS	11647.99	4.60	22.31		22.32	0.000055	0.89	13048.45	1053.47	0.04
Hempstead Lake	4415.76*	Max WS	11642.88	4.46	22.30		22.32	0.000053	0.89	13129.89	1053.83	0.04
Hempstead Lake	4395.57*	Max WS	11642.87	4.32	22.30		22.32	0.000052	0.88	13217.17	1054.34	0.04
Hempstead Lake	4375.38*	Max WS	11642.87	4.18	22.30		22.32	0.000051	0.88	13310.16	1054.44	0.04
Hempstead Lake	4355.20*	Max WS	11642.86	4.04	22.30		22.31	0.000049	0.87	13408.78	1054.67	0.04
Hempstead Lake	4335.01*	Max WS	11642.85	3.90	22.30		22.31	0.000048	0.86	13512.39	1054.55	0.04
Hempstead Lake	4314.82*	Max WS	11642.83	3.76	22.30		22.31	0.000046	0.86	13622.01	1055.02	0.04
Hempstead Lake	4294.63*	Max WS	11642.80	3.62	22.30		22.31	0.000045	0.85	13736.87	1055.09	0.04
Hempstead Lake	4274.44*	Max WS	11642.77	3.48	22.30		22.31	0.000044	0.84	13856.37	1055.58	0.04
Hempstead Lake	4254.26*	Max WS	11642.74	3.34	22.30		22.31	0.000042	0.84	13981.57	1055.46	0.04
Hempstead Lake	4234.07*	Max WS	11642.71	3.20	22.30		22.31	0.000041	0.83	14112.45	1055.42	0.04
Hempstead Lake	4213.88*	Max WS	11642.67	3.06	22.30		22.31	0.000039	0.82	14249.51	1055.53	0.04
Hempstead Lake	4193.69*	Max WS	11642.63	2.92	22.30		22.31	0.000038	0.81	14390.09	1055.22	0.03
Hempstead Lake	4173.50*	Max WS	11642.59	2.78	22.30		22.31	0.000037	0.81	14536.54	1053.68	0.03
Hempstead Lake	4153.320	Max WS	11642.54	2.64	22.30		22.31	0.000006	0.83	14688.08	1051.88	0.03
Hempstead Lake	4131.85*	Max WS	11646.13	2.69	22.30		22.31	0.000036	0.81	14603.97	1047.56	0.03
Hempstead Lake	4110.38*	Max WS	11646.08	2.75	22.29		22.31	0.000037	0.81	14524.28	1042.05	0.03
Hempstead Lake	4088.91*	Max WS	11646.02	2.80	22.29		22.30	0.000037	0.81	14452.44	1035.25	0.03
Hempstead Lake	4067.44*	Max WS	11645.95	2.86	22.29		22.30	0.000038	0.82	14384.67	1028.47	0.03
Hempstead Lake	4045.97*	Max WS	11641.84	2.91	22.29		22.30	0.000038	0.82	14325.49	1021.03	0.03
Hempstead Lake	4024.50*	Max WS	11641.83	2.97	22.29		22.30	0.000038	0.83	14270.10	1014.77	0.03
Hempstead Lake	4003.034	Max WS	11641.82	3.02	22.29		22.30	0.000007	0.86	14222.96	1010.24	0.04
Hempstead Lake	3984.01*	Max WS	11641.81	3.78	22.29		22.30	0.000050	0.91	13181.68	1023.43	0.04
Hempstead Lake	3964.99*	Max WS	11641.78	4.54	22.29		22.30	0.000065	0.98	12175.61	1042.26	0.04
Hempstead Lake	3945.97*	Max WS	11641.75	5.30	22.28		22.30	0.000086	1.07	11204.33	1088.18	0.05
Hempstead Lake	3926.95*	Max WS	11641.70	6.06	22.28		22.30	0.000115	1.17	10280.65	1121.20	0.06
Hempstead Lake	3907.93*	Max WS	11637.92	6.82	22.27		22.29	0.000158	1.29	9424.13	1176.50	0.07
Hempstead Lake	3888.916	Max WS	11637.90	7.58	22.26		22.29	0.000039	1.49	8535.41	1139.11	0.08
Hempstead Lake	3883.916	Max WS	11641.22	7.20	22.25	13.46	22.29	0.000041	1.51	8426.70	1144.75	0.08
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	11629.71	7.19	22.20		22.25	0.000055	1.67	7826.38	1150.80	0.09
Hempstead Lake	3858.916	Max WS	11629.70	7.17	22.20		22.24	0.000063	1.70	7704.35	1152.34	0.10
Hempstead Lake	3826.579	Max WS	11617.60	6.10	22.14		22.21	0.000111	2.05	6551.00	1155.49	0.13
Hempstead Lake	3821.579	Max WS	11617.59	6.02	22.13		22.20	0.000121	2.10	6414.83	1156.26	0.13
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	11617.59	5.94	22.12		22.18	0.000345	2.05	6688.66	1231.01	0.13
Hempstead Lake	3736.579	Max WS	11617.59	5.88	22.12		22.18	0.000118	2.07	6801.71	1235.91	0.13
Hempstead Lake	3699.46*	Max WS	11621.59	5.83	22.14		22.20	0.000131	1.98	7185.93	1287.24	0.12
Hempstead Lake	3662.35*	Max WS	11621.53	5.78	22.14		22.19	0.000127	1.90	7588.94	1298.25	0.11
Hempstead Lake	3625.24*	Max WS	11621.46	5.74	22.14		22.18	0.000118	1.83	8042.59	1337.28	0.10
Hempstead Lake	3588.13*	Max WS	11621.38	5.69	22.14		22.18	0.000114	1.75	8526.18	1380.63	0.10
Hempstead Lake	3551.028	Max WS	11621.30	5.64	22.14		22.18	0.000087	1.70	9037.78	1424.67	0.09
Hempstead Lake	3531.67*	Max WS	11621.24	5.61	22.13		22.17	0.000129	1.71	8795.74	1434.69	0.09
Hempstead Lake	3512.33*	Max WS	11617.83	5.58	22.13		22.17	0.000132	1.77	8537.86	1439.90	0.10
Hempstead Lake	3492.98*	Max WS	11617.82	5.55	22.12		22.17	0.000135	1.83	8270.11	1438.60	0.10
Hempstead Lake	3473.63*	Max WS	11617.79	5.52	22.12		22.17	0.000138	1.89	7997.92	1431.31	0.10
Hempstead Lake	3454.28*	Max WS	11617.75	5.49	22.11		22.17	0.000139	1.95	7732.76	1381.52	0.11
Hempstead Lake	3434.93*	Max WS	11617.70	5.46	22.11		22.16	0.000135	2.01	7491.49	1364.68	0.11
Hempstead Lake	3415.58*	Max WS	11614.55	5.43	22.10		22.16	0.000135	2.08	7255.02	1358.02	0.12
Hempstead Lake	3396.239	Max WS	11614.53	5.40	22.10		22.16	0.000188	2.11	7025.35	1352.02	0.12
Hempstead Lake	3376.88*	Max WS	11614.50	5.37	22.09		22.16	0.000140	2.15	6997.38	1342.85	0.12
Hempstead Lake	3357.52*	Max WS	11614.47	5.34	22.09		22.15	0.000146	2.16	6975.44	1332.58	0.12
Hempstead Lake	3338.16*	Max WS	11614.42	5.32	22.08		22.15	0.000152	2.17	6952.29	1321.46	0.12
Hempstead Lake	3318.80*	Max WS	11614.37	5.29	22.08		22.15	0.000157	2.18	6932.41	1311.46	0.12
Hempstead Lake	3299.44*	Max WS	11614.32	5.26	22.08		22.15	0.000163	2.20	6910.55	1300.55	0.12
Hempstead Lake	3280.08*	Max WS	11611.53	5.23	22.07		22.14	0.000169	2.21	6892.09	1291.02	0.12
Hempstead Lake	3260.73*	Max WS	11611.52	5.21	22.07		22.14	0.000175	2.22	6871.60	1273.90	0.12
Hempstead Lake	3241.37*	Max WS	11611.50	5.18	22.07		22.14	0.000176	2.23	6854.86	1247.29	0.12
Hempstead Lake	3222.01*	Max WS	11611.47	5.15	22.06		22.13	0.000182	2.24	6842.58	1237.41	0.12
Hempstead Lake	3202.65*	Max WS	11611.43	5.12	22.06		22.13	0.000188	2.25	6830.55	1226.72	0.12
Hempstead Lake	3183.29*	Max WS	11611.39	5.10	22.05		22.13	0.000193	2.26	6819.89	1217.27	0.12
Hempstead Lake	3163.93*	Max WS	11608.87	5.07	22.05		22.12	0.000199	2.28	6809.58	1224.92	0.12
Hempstead Lake	3144.581	Max WS	11608.87	5.04	22.05		22.12	0.000179	2.31	6803.24	1248.84	0.12
Hempstead Lake	3124.73*	Max WS	11608.85	5.01	22.04		22.12	0.000164	2.32	6843.10	1387.04	0.12
Hempstead Lake	3104.89*	Max WS	11608.84	4.98	22.04		22.11	0.000163	2.32	6897.50	1427.99	0.12
Hempstead Lake	3085.04*	Max WS	11608.81	4.95	22.04		22.11	0.000162	2.31	6963.20	1482.71	0.12
Hempstead Lake	3065.2*	Max WS	11608.77	4.92	22.03		22.11	0.000161	2.31	7034.21	1518.95	0.12
Hempstead Lake	3045.35*	Max WS	11608.73	4.88	22.03		22.10	0.000153	2.31	7110.13	1545.11	0.12
Hempstead Lake	3025.51*	Max WS	11608.68	4.85	22.03		22.10	0.000152	2.30	7191.01	1575.74	0.12
Hempstead Lake	3005.66*	Max WS	11608.63	4.82	22.03		22.10	0.000150	2.29	7277.58	1604.29	0.12
Hempstead Lake	2985.81*	Max WS	11608.58	4.79	22.02		22.10	0.000143	2.29	7362.77	1629.69	0.12
Hempstead Lake	2965.974	Max WS	11608.52	4.76	22.02		22.09	0.000161	2.26	7455.94	1655.44	0.12
Hempstead Lake	2951.87*	Max WS	11608.48	4.74	22.02		22.09	0.000176	2.22	7512.90	1666.66	0.12
Hempstead Lake	2937.77*	Max WS	11608.44	4.72	22.02		22.09	0.000174	2.21	7567.45	1674.23	0.12

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2923.67*	Max WS	11608.39	4.70	22.02		22.08	0.000171	2.19	7624.29	1681.04	0.12
Hempstead Lake	2909.57*	Max WS	11608.34	4.68	22.02		22.08	0.000168	2.17	7679.54	1683.58	0.12
Hempstead Lake	2895.47*	Max WS	11608.29	4.66	22.01		22.08	0.000165	2.15	7734.59	1684.55	0.11
Hempstead Lake	2881.37*	Max WS	11608.24	4.64	22.01		22.07	0.000162	2.13	7789.54	1686.06	0.11
Hempstead Lake	2867.27*	Max WS	11608.19	4.62	22.01		22.07	0.000159	2.11	7844.06	1685.89	0.11
Hempstead Lake	2853.17*	Max WS	11608.14	4.61	22.01		22.07	0.000156	2.10	7897.03	1685.06	0.11
Hempstead Lake	2839.07*	Max WS	11608.08	4.59	22.01		22.07	0.000154	2.08	7951.67	1696.62	0.11
Hempstead Lake	2824.98*	Max WS	11608.02	4.57	22.01		22.06	0.000151	2.06	8004.83	1710.37	0.11
Hempstead Lake	2810.88*	Max WS	11607.96	4.55	22.00		22.06	0.000149	2.05	8062.49	1741.97	0.11
Hempstead Lake	2796.78*	Max WS	11607.90	4.53	22.00		22.06	0.000147	2.03	8120.69	1763.97	0.11
Hempstead Lake	2782.68*	Max WS	11607.84	4.51	22.00		22.06	0.000145	2.02	8179.90	1796.24	0.11
Hempstead Lake	2768.58*	Max WS	11607.80	4.49	22.00		22.05	0.000143	2.01	8243.84	1848.21	0.11
Hempstead Lake	2754.48*	Max WS	11606.74	4.47	22.00		22.05	0.000140	1.99	8313.02	1875.26	0.11
Hempstead Lake	2740.38*	Max WS	11607.71	4.45	22.00		22.05	0.000137	1.98	8376.98	1844.07	0.11
Hempstead Lake	2726.28*	Max WS	11607.66	4.43	21.99		22.05	0.000135	1.96	8436.95	1805.62	0.10
Hempstead Lake	2712.18*	Max WS	11607.62	4.41	21.99		22.04	0.000132	1.94	8485.16	1762.06	0.10
Hempstead Lake	2698.08*	Max WS	11606.74	4.39	21.99		22.04	0.000129	1.92	8528.74	1718.51	0.10
Hempstead Lake	2683.98*	Max WS	11607.52	4.37	21.99		22.04	0.000126	1.90	8565.05	1674.95	0.10
Hempstead Lake	2669.88*	Max WS	11606.73	4.35	21.99		22.04	0.000124	1.89	8594.22	1631.39	0.10
Hempstead Lake	2655.78*	Max WS	11606.73	4.34	21.99		22.04	0.000122	1.87	8611.72	1587.83	0.10
Hempstead Lake	2641.68*	Max WS	11607.37	4.32	21.99		22.03	0.000119	1.86	8622.77	1544.28	0.10
Hempstead Lake	2627.58*	Max WS	11606.72	4.30	21.98		22.03	0.000117	1.84	8625.38	1500.72	0.10
Hempstead Lake	2613.48*	Max WS	11607.27	4.28	21.98		22.03	0.000115	1.83	8621.72	1457.16	0.10
Hempstead Lake	2599.38*	Max WS	11607.22	4.26	21.98		22.03	0.000113	1.82	8607.26	1413.60	0.10
Hempstead Lake	2585.29*	Max WS	11606.71	4.24	21.98		22.02	0.000111	1.81	8588.85	1370.04	0.10
Hempstead Lake	2571.19*	Max WS	11606.70	4.22	21.98		22.02	0.000110	1.80	8557.59	1326.49	0.10
Hempstead Lake	2557.091	Max WS	11606.70	4.20	21.95		21.98	0.000235	1.68	8485.64	1282.93	0.09
Hempstead Lake	2552.091	Max WS	11606.70	4.09	21.85		21.89	0.000478	1.91	7311.75	1282.93	0.11
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	11606.25	4.09	21.83		21.88	0.000456	1.85	7457.39	1282.93	0.11
Hempstead Lake	2487.091	Max WS	11606.69	4.60	21.91		21.94	0.000203	1.58	8868.34	1282.93	0.08
Hempstead Lake	2477.12*	Max WS	11606.68	4.58	21.90		21.94	0.000096	1.69	8913.94	1295.08	0.09
Hempstead Lake	2467.14*	Max WS	11606.67	4.57	21.90		21.94	0.000097	1.70	8969.21	1307.22	0.09
Hempstead Lake	2457.17*	Max WS	11606.66	4.55	21.89		21.93	0.000098	1.71	9026.53	1319.37	0.09
Hempstead Lake	2447.20*	Max WS	11606.25	4.53	21.89		21.93	0.000099	1.72	9088.43	1331.51	0.09
Hempstead Lake	2437.23*	Max WS	11606.63	4.51	21.89		21.92	0.000154	1.65	9155.64	1343.66	0.09
Hempstead Lake	2427.26*	Max WS	11606.24	4.50	21.88		21.92	0.000152	1.66	9221.32	1355.81	0.09
Hempstead Lake	2417.29*	Max WS	11606.60	4.48	21.88		21.91	0.000150	1.67	9292.78	1367.95	0.09
Hempstead Lake	2407.32*	Max WS	11606.59	4.46	21.87		21.91	0.000103	1.76	9366.32	1380.10	0.09
Hempstead Lake	2397.35*	Max WS	11606.24	4.44	21.87		21.91	0.000104	1.77	9446.02	1392.24	0.09
Hempstead Lake	2387.37*	Max WS	11606.24	4.43	21.86		21.90	0.000104	1.78	9532.43	1404.39	0.09
Hempstead Lake	2377.40*	Max WS	11606.23	4.41	21.86		21.90	0.000104	1.79	9622.98	1416.54	0.09
Hempstead Lake	2367.43*	Max WS	11606.23	4.39	21.86		21.90	0.000105	1.80	9716.25	1428.68	0.09
Hempstead Lake	2357.46*	Max WS	11606.22	4.37	21.86		21.90	0.000105	1.81	9814.69	1440.83	0.09
Hempstead Lake	2347.49*	Max WS	11606.22	4.36	21.85		21.89	0.000105	1.82	9917.16	1447.19	0.09
Hempstead Lake	2337.52*	Max WS	11606.21	4.34	21.85		21.89	0.000104	1.82	10026.85	1452.17	0.09
Hempstead Lake	2327.55*	Max WS	11606.21	4.32	21.85		21.89	0.000103	1.83	10141.32	1445.35	0.09
Hempstead Lake	2317.58*	Max WS	11606.20	4.30	21.85		21.89	0.000102	1.83	10264.96	1447.80	0.09
Hempstead Lake	2307.60*	Max WS	11606.20	4.29	21.85		21.89	0.000101	1.84	10392.29	1455.31	0.09
Hempstead Lake	2297.63*	Max WS	11606.19	4.27	21.85		21.88	0.000100	1.85	10523.79	1463.26	0.09
Hempstead Lake	2287.66*	Max WS	11606.19	4.25	21.85		21.88	0.000099	1.86	10658.51	1471.10	0.09
Hempstead Lake	2277.69*	Max WS	11606.18	4.23	21.85		21.88	0.000097	1.87	10800.08	1479.06	0.09
Hempstead Lake	2267.72*	Max WS	11606.17	4.22	21.84		21.88	0.000096	1.88	10946.49	1487.25	0.09
Hempstead Lake	2257.752	Max WS	11606.17	4.20	21.85		21.87	0.000145	1.55	11108.25	1495.56	0.08
Hempstead Lake	2252.75*	Max WS	11606.16	4.10	21.84		21.87	0.000126	1.77	10984.46	1484.43	0.09
Hempstead Lake	2247.752	Max WS	11606.16	4.00	21.84		21.87	0.000151	1.65	10876.13	1441.62	0.08
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	11606.16	3.80	21.68		21.76	0.000220	3.05	8619.42	1413.32	0.15
Hempstead Lake	2192.75*	Max WS	11606.15	3.75	21.69		21.76	0.000171	3.07	9068.06	1417.51	0.14
Hempstead Lake	2187.752	Max WS	11606.14	3.70	21.69		21.76	0.000138	3.31	9342.80	1421.76	0.15
Hempstead Lake	2178.63*	Max WS	11606.13	3.72	21.68		21.77	0.000143	3.37	9194.20	1418.88	0.16
Hempstead Lake	2169.52*	Max WS	11606.12	3.74	21.67		21.77	0.000149	3.42	9048.10	1416.23	0.16
Hempstead Lake	2160.40*	Max WS	11606.04	3.76	21.66		21.76	0.000156	3.48	8901.92	1413.68	0.16
Hempstead Lake	2151.29*	Max WS	11606.11	3.78	21.64		21.75	0.000163	3.54	8751.51	1411.24	0.17
Hempstead Lake	2142.17*	Max WS	11606.10	3.80	21.63		21.74	0.000170	3.61	8599.78	1408.93	0.17
Hempstead Lake	2133.05*	Max WS	11606.09	3.82	21.61		21.73	0.000178	3.67	8447.23	1406.30	0.18
Hempstead Lake	2123.94*	Max WS	11606.04	3.83	21.59		21.71	0.000187	3.74	8290.98	1403.79	0.18
Hempstead Lake	2114.82*	Max WS	11606.08	3.85	21.57		21.70	0.000196	3.82	8133.04	1401.40	0.18
Hempstead Lake	2105.71*	Max WS	11606.07	3.87	21.54		21.68	0.000206	3.90	7972.34	1398.85	0.19
Hempstead Lake	2096.59*	Max WS	11606.04	3.89	21.51		21.65	0.000218	3.98	7806.03	1396.47	0.19
Hempstead Lake	2087.48*	Max WS	11606.06	3.91	21.47		21.62	0.000231	4.07	7626.45	1393.91	0.20
Hempstead Lake	2078.36*	Max WS	11606.04	3.93	21.43		21.59	0.000245	4.17	7449.03	1391.77	0.20
Hempstead Lake	2069.25*	Max WS	7063.24	3.95	21.41		21.47	0.000096	2.59	7297.51	1391.49	0.13
Hempstead Lake	2060.13*	Max WS	7061.86	3.97	21.39		21.45	0.000101	2.64	7149.97	1391.11	0.13
Hempstead Lake	2051.01*	Max WS	7060.65	3.99	21.37		21.43	0.000107	2.70	7001.29	1390.73	0.13
Hempstead Lake	2041.90*	Max WS	7059.60	4.01	21.34		21.41	0.000113	2.76	6844.72	1389.80	0.14
Hempstead Lake	2032.78*	Max WS	7058.75	4.03	21.31		21.38	0.000120	2.82	6684.97	1388.54	0.14
Hempstead Lake	2023.67*	Max WS	7058.12	4.05	21.26		21.34	0.000128	2.90	6511.14	1386.87	0.15
Hempstead Lake	2014.55*	Max WS	7057.77	4.07	21.22		21.30	0.000137	2.97	6340.27	1385.07	0.15
Hempstead Lake	2005.44*	Max WS	7057.63	4.08	21.19		21.28	0.000146	3.04	6190.21	1383.74	0.16
Hempstead Lake	1996.32*	Max WS	7005.57	4.10	21.16		21.26	0.000152	3.09	6042.59	1382.23	0.16

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	1987.20*	Max WS	7005.39	4.12	21.13		21.23	0.000163	3.16	5889.16	1380.40	0.16
Hempstead Lake	1978.09*	Max WS	7005.31	4.14	21.10		21.20	0.000174	3.24	5735.19	1378.42	0.17
Hempstead Lake	1968.97*	Max WS	6959.11	4.16	21.06		21.17	0.000184	3.30	5579.28	1376.19	0.17
Hempstead Lake	1959.86*	Max WS	6959.04	4.18	21.03		21.14	0.000197	3.39	5424.45	1373.87	0.18
Hempstead Lake	1950.747	Max WS	6917.08	4.20	20.95		21.07	0.000213	3.49	5214.77	1370.07	0.19
Hempstead Lake	1945.747	Max WS	11606.02	4.21	19.69		20.14	0.002184	7.47	3891.81	1241.42	0.52
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	10938.39	4.50	17.31		17.45	0.003235	3.58	3725.90	1009.84	0.27
Hempstead Lake	1880.747	Max WS	10862.28	4.45	17.04		17.23	0.000521	3.89	4340.68	1011.09	0.27
Hempstead Lake	1848.83*	Max WS	10893.64	2.70	17.15		17.20	0.000132	1.99	6738.22	1124.84	0.11
Hempstead Lake	1816.92*	Max WS	10902.37	0.95	17.17		17.20	0.000066	1.24	9665.66	1194.82	0.06
Hempstead Lake	1785.01*	Max WS	10902.33	-0.80	17.18		17.19	0.000037	0.86	13273.56	1204.32	0.04
Hempstead Lake	1753.104	Max WS	10906.50	-2.55	17.19		17.19	0.000004	0.65	17551.27	1313.15	0.03
Hempstead Lake	1732.65*	Max WS	10906.46	-2.75	17.19		17.19	0.000023	0.63	17787.48	1348.93	0.03
Hempstead Lake	1712.21*	Max WS	10906.41	-2.95	17.18		17.19	0.000023	0.63	18074.59	1382.27	0.03
Hempstead Lake	1691.76*	Max WS	10906.36	-3.14	17.18		17.19	0.000022	0.62	18410.98	1412.67	0.03
Hempstead Lake	1671.32*	Max WS	10906.31	-3.34	17.18		17.19	0.000021	0.61	18796.21	1437.89	0.03
Hempstead Lake	1650.87*	Max WS	10906.25	-3.54	17.18		17.19	0.000020	0.60	19230.17	1459.65	0.03
Hempstead Lake	1630.434	Max WS	10906.18	-3.74	17.18		17.19	0.000003	0.61	19708.20	1480.97	0.03
Hempstead Lake	1610.36*	Max WS	10906.13	-3.49	17.18		17.19	0.000019	0.61	19081.89	1474.16	0.03
Hempstead Lake	1590.30*	Max WS	10906.07	-3.23	17.18		17.19	0.000019	0.64	18456.91	1465.93	0.03
Hempstead Lake	1570.23*	Max WS	10906.02	-2.98	17.18		17.19	0.000019	0.66	17834.06	1457.02	0.03
Hempstead Lake	1550.17*	Max WS	10905.96	-2.73	17.18		17.19	0.000018	0.69	17214.78	1447.59	0.03
Hempstead Lake	1530.10*	Max WS	10902.33	-2.47	17.18		17.19	0.000018	0.72	16596.53	1437.04	0.03
Hempstead Lake	1510.03*	Max WS	10902.32	-2.22	17.18		17.19	0.000016	0.75	15983.78	1431.72	0.03
Hempstead Lake	1489.97*	Max WS	10902.31	-1.96	17.18		17.19	0.000015	0.78	15377.29	1419.34	0.04
Hempstead Lake	1469.90*	Max WS	10902.30	-1.71	17.18		17.19	0.000014	0.82	14776.15	1405.41	0.04
Hempstead Lake	1449.83*	Max WS	10902.28	-1.46	17.18		17.19	0.000013	0.85	14182.50	1391.55	0.04
Hempstead Lake	1429.77*	Max WS	10902.26	-1.20	17.18		17.19	0.000012	0.89	13591.72	1375.95	0.04
Hempstead Lake	1409.707	Max WS	10902.24	-0.95	17.17		17.19	0.000010	0.92	13008.64	1361.56	0.04
Hempstead Lake	1389.03*	Max WS	11907.41	-0.98	17.17		17.18	0.000012	1.02	13003.73	1351.65	0.05
Hempstead Lake	1368.35*	Max WS	11907.38	-1.00	17.17		17.18	0.000012	1.02	13004.82	1341.70	0.05
Hempstead Lake	1347.67*	Max WS	11907.35	-1.03	17.17		17.18	0.000012	1.02	13004.41	1332.94	0.05
Hempstead Lake	1326.99*	Max WS	11907.32	-1.06	17.17		17.18	0.000012	1.02	13001.67	1322.31	0.05
Hempstead Lake	1306.32*	Max WS	11907.30	-1.08	17.17		17.18	0.000013	1.02	12998.00	1312.46	0.05
Hempstead Lake	1285.64*	Max WS	11907.27	-1.11	17.17		17.18	0.000013	1.03	12993.93	1300.85	0.05
Hempstead Lake	1264.96*	Max WS	11907.25	-1.14	17.17		17.18	0.000013	1.03	12987.40	1290.68	0.05
Hempstead Lake	1244.28*	Max WS	11907.22	-1.16	17.17		17.18	0.000013	1.03	12981.53	1280.97	0.05
Hempstead Lake	1223.61*	Max WS	11907.20	-1.19	17.17		17.18	0.000013	1.03	12975.00	1275.69	0.05
Hempstead Lake	1202.93*	Max WS	11907.17	-1.22	17.17		17.18	0.000013	1.03	12967.21	1265.77	0.05
Hempstead Lake	1182.25*	Max WS	11907.15	-1.24	17.17		17.18	0.000013	1.04	12958.45	1257.64	0.05
Hempstead Lake	1161.57*	Max WS	11907.13	-1.27	17.17		17.18	0.000013	1.04	12949.47	1251.25	0.05
Hempstead Lake	1140.90*	Max WS	11907.11	-1.30	17.17		17.18	0.000013	1.04	12940.33	1241.35	0.05
Hempstead Lake	1120.22*	Max WS	11907.08	-1.32	17.17		17.18	0.000014	1.04	12933.29	1230.35	0.05
Hempstead Lake	1099.54*	Max WS	11907.06	-1.35	17.16		17.18	0.000014	1.05	12923.57	1221.56	0.05
Hempstead Lake	1078.87*	Max WS	11907.04	-1.38	17.16		17.18	0.000014	1.05	12913.69	1228.73	0.05
Hempstead Lake	1058.19*	Max WS	11907.01	-1.40	17.16		17.18	0.000014	1.05	12907.07	1314.83	0.05
Hempstead Lake	1037.515	Max WS	11906.98	-1.43	17.17		17.18	0.000012	1.03	12937.92	1706.03	0.05
Hempstead Lake	1017.08*	Max WS	11912.76	-1.35	17.16		17.18	0.000014	1.05	12902.72	1710.85	0.05
Hempstead Lake	996.645*	Max WS	11912.75	-1.28	17.16		17.18	0.000018	1.05	12867.52	1725.80	0.05
Hempstead Lake	976.210*	Max WS	11912.73	-1.20	17.16		17.18	0.000021	1.05	12830.24	1779.60	0.05
Hempstead Lake	955.775*	Max WS	11912.72	-1.13	17.16		17.18	0.000025	1.04	12792.04	1781.75	0.05
Hempstead Lake	935.340*	Max WS	11912.71	-1.05	17.16		17.18	0.000028	1.04	12750.86	1784.21	0.05
Hempstead Lake	914.905*	Max WS	11912.70	-0.98	17.16		17.18	0.000032	1.04	12709.36	1792.41	0.05
Hempstead Lake	894.471*	Max WS	11912.69	-0.90	17.16		17.18	0.000036	1.04	12665.40	1804.80	0.05
Hempstead Lake	874.036*	Max WS	11912.68	-0.83	17.16		17.18	0.000041	1.04	12621.77	1818.51	0.05
Hempstead Lake	853.601*	Max WS	11914.52	-0.75	17.16		17.18	0.000045	1.04	12578.70	1835.10	0.05
Hempstead Lake	833.166*	Max WS	11914.44	-0.68	17.16		17.17	0.000050	1.03	12534.15	1840.95	0.05
Hempstead Lake	812.731*	Max WS	11912.66	-0.60	17.16		17.17	0.000053	1.03	12488.63	1846.51	0.04
Hempstead Lake	792.296*	Max WS	11912.65	-0.53	17.16		17.17	0.000059	1.02	12442.70	1851.53	0.04
Hempstead Lake	771.862	Max WS	11914.18	-0.45	17.16		17.17	0.000012	1.09	12398.78	1932.87	0.05
Hempstead Lake	750.331*	Max WS	11916.80	-0.53	17.16		17.17	0.000062	1.07	12077.15	1951.93	0.05
Hempstead Lake	728.8*	Max WS	11916.72	-0.61	17.15		17.17	0.000063	1.11	11755.05	1970.81	0.05
Hempstead Lake	707.269*	Max WS	11916.63	-0.69	17.15		17.17	0.000062	1.15	11437.89	1990.06	0.05
Hempstead Lake	685.738*	Max WS	11916.54	-0.77	17.15		17.17	0.000059	1.19	11123.88	2009.70	0.05
Hempstead Lake	664.207*	Max WS	11915.34	-0.85	17.14		17.17	0.000056	1.23	10813.52	2029.38	0.06
Hempstead Lake	642.676*	Max WS	11916.38	-0.93	17.14		17.17	0.000054	1.27	10509.25	2053.76	0.06
Hempstead Lake	621.145*	Max WS	11916.31	-1.02	17.14		17.16	0.000049	1.30	10206.74	2077.34	0.06
Hempstead Lake	599.614*	Max WS	11916.24	-1.10	17.14		17.16	0.000044	1.33	9910.04	2100.66	0.06
Hempstead Lake	578.083*	Max WS	11915.33	-1.18	17.13		17.16	0.000039	1.36	9617.83	2128.58	0.06
Hempstead Lake	556.552*	Max WS	11916.12	-1.26	17.13		17.16	0.000035	1.39	9331.12	2161.87	0.06
Hempstead Lake	535.021*	Max WS	11915.33	-1.34	17.13		17.16	0.000029	1.41	9048.72	2181.21	0.07
Hempstead Lake	513.490	Max WS	11916.00	-1.42	17.13		17.16	0.000023	1.41	8773.04	2202.03	0.07
Hempstead Lake	493.038*	Max WS	11920.17	-1.03	17.12		17.16	0.000052	1.52	8153.63	1942.60	0.07
Hempstead Lake	472.587*	Max WS	11920.11	-0.65	17.12		17.16	0.000068	1.63	7565.65	1846.92	0.08
Hempstead Lake	452.136*	Max WS	11920.06	-0.26	17.11		17.16	0.000091	1.76	6989.00	1766.40	0.09
Hempstead Lake	431.685*	Max WS	11919.59	0.12	17.10		17.16	0.000120	1.91	6429.51	1690.84	0.10
Hempstead Lake	411.234*	Max WS	11919.96	0.51	17.09		17.15	0.000157	2.08	5883.20	1542.31	0.11
Hempstead Lake	390.783*	Max WS	11919.91	0.90	17.07		17.15	0.000210	2.28	5350.05	1402.38	0.13
Hempstead Lake	370.332*	Max WS	11919.87	1.28	17.05		17.15	0.000281	2.51	4838.77	569.75	0.15
Hempstead Lake	349.881*	Max WS	11919.83	1.67	17.02		17.14	0.000381	2.79	4346.58	551.84	0.17

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	329.430*	Max WS	11919.79	2.05	16.98		17.13	0.000523	3.12	3870.35	533.51	0.20
Hempstead Lake	308.979*	Max WS	11919.76	2.44	16.93		17.12	0.000719	3.55	3398.29	514.05	0.24
Hempstead Lake	288.528*	Max WS	11919.74	2.83	16.85		17.11	0.000997	4.10	2934.88	492.86	0.29
Hempstead Lake	268.077*	Max WS	11919.70	3.21	16.72		17.08	0.001407	4.86	2468.48	469.13	0.37
Hempstead Lake	247.626*	Max WS	11919.67	3.60	16.50		17.06	0.002047	6.03	1981.97	446.83	0.50
Hempstead Lake	227.175*	Max WS	11919.65	3.98	15.98		17.09	0.003119	8.47	1407.22	373.47	0.77
Hempstead Lake	206.724	Max WS	11919.65	4.37	15.44		17.01	0.002650	10.04	1187.64	148.46	0.63
Hempstead Lake	201.724	Max WS	11919.65	4.37	15.97	11.72	16.98	0.001568	8.09	1472.97	167.99	0.48
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	11919.65	1.00	13.26		14.11	0.000998	7.69	1617.93	150.88	0.40
Hempstead Lake	166.724	Max WS	11919.64	1.00	13.26	7.80	14.11	0.001000	7.70	1617.01	150.86	0.40

90% PR 1/2 PMF BREACH 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	41.08	41.06	0.02	0.00		259.36	4229.30	3146.75	746.77
Hempstead Lake	15523.7*	Max WS	41.08	41.06	0.02	0.00		585.03	4100.20	2950.16	742.45
Hempstead Lake	15503.5*	Max WS	41.08	41.05	0.02	0.00		561.67	4161.64	2912.06	736.85
Hempstead Lake	15483.3*	Max WS	41.07	41.05	0.02	0.00		529.76	4214.35	2891.22	728.31
Hempstead Lake	15463.0*	Max WS	41.07	41.05	0.02	0.00		498.68	4252.31	2884.29	717.34
Hempstead Lake	15442.8*	Max WS	41.07	41.05	0.02	0.00		474.86	4272.42	2875.47	706.83
Hempstead Lake	15422.5*	Max WS	41.07	41.04	0.02	0.00		447.80	4314.57	2860.36	702.61
Hempstead Lake	15402.3*	Max WS	41.06	41.04	0.02	0.00		422.11	4365.71	2834.87	703.05
Hempstead Lake	15382.1*	Max WS	41.06	41.04	0.02	0.00		405.35	4412.15	2805.13	704.58
Hempstead Lake	15361.8*	Max WS	41.06	41.04	0.02	0.00		381.17	4451.18	2777.99	705.88
Hempstead Lake	15341.6*	Max WS	41.06	41.04	0.02	0.00		365.01	4488.25	2757.06	706.76
Hempstead Lake	15321.4*	Max WS	41.06	41.04	0.02	0.00		341.95	4525.12	2743.23	707.23
Hempstead Lake	15301.1*	Max WS	41.06	41.04	0.02	0.00		318.86	4555.57	2735.83	707.24
Hempstead Lake	15280.9*	Max WS	41.06	41.04	0.02	0.00		303.41	4576.71	2730.11	706.76
Hempstead Lake	15260.7*	Max WS	41.06	41.04	0.02	0.00		281.11	4595.00	2734.08	705.64
Hempstead Lake	15240.4*	Max WS	41.06	41.04	0.02	0.00		258.36	4599.55	2740.33	703.78
Hempstead Lake	15220.2*	Max WS	41.06	41.03	0.02	0.00		243.53	4606.05	2760.50	701.08
Hempstead Lake	15200.02	Max WS	41.06	41.03	0.02	0.00		221.16	4600.07	2788.80	697.23
Hempstead Lake	15180.7*	Max WS	41.06	41.04	0.02	0.00		248.41	4845.90	2515.65	729.93
Hempstead Lake	15161.4*	Max WS	41.06	41.04	0.02	0.00		274.23	5048.61	2287.07	759.90
Hempstead Lake	15142.1*	Max WS	41.05	41.04	0.02	0.00		296.96	5218.44	2094.48	788.29
Hempstead Lake	15122.8*	Max WS	41.05	41.04	0.01	0.00		317.14	5358.81	1933.90	813.57
Hempstead Lake	15103.5*	Max WS	41.05	41.04	0.01	0.00		335.41	5476.56	1797.86	836.63
Hempstead Lake	15084.2*	Max WS	41.05	41.04	0.01	0.00		358.68	5574.04	1677.11	858.60
Hempstead Lake	15064.9*	Max WS	41.05	41.04	0.01	0.00		374.12	5664.42	1571.28	880.37
Hempstead Lake	15045.6*	Max WS	41.05	41.04	0.01	0.00		387.95	5753.63	1479.52	901.88
Hempstead Lake	15026.4*	Max WS	41.05	41.04	0.01	0.00		401.28	5824.85	1394.89	922.64
Hempstead Lake	15007.1*	Max WS	41.05	41.04	0.01	0.00		412.55	5889.66	1318.74	943.65
Hempstead Lake	14987.82	Max WS	41.05	41.04	0.01	0.00		176.14	6152.61	1292.14	963.83
Hempstead Lake	14966.6*	Max WS	41.05	41.04	0.01	0.00		261.14	6250.94	1152.58	982.89
Hempstead Lake	14945.4*	Max WS	41.05	41.04	0.01	0.00		230.52	6398.70	1035.37	1001.35
Hempstead Lake	14924.3*	Max WS	41.05	41.04	0.01	0.00		201.03	6535.26	928.22	1019.32
Hempstead Lake	14903.1*	Max WS	41.05	41.04	0.01	0.00		172.85	6661.82	829.75	1036.03
Hempstead Lake	14882.*	Max WS	41.05	41.04	0.01	0.00		148.36	6776.35	739.62	1052.70
Hempstead Lake	14860.8*	Max WS	41.05	41.04	0.01	0.00		126.76	6880.39	657.09	1069.08
Hempstead Lake	14839.6*	Max WS	41.05	41.04	0.00	0.00		106.26	6975.65	582.25	1085.07
Hempstead Lake	14818.5*	Max WS	41.05	41.04	0.00	0.00		90.57	7060.19	513.31	1319.85
Hempstead Lake	14797.35	Max WS	41.05	41.04	0.00	0.00		39.42	7426.37	187.91	1418.48
Hempstead Lake	14777.4*	Max WS	41.05	41.04	0.00	0.00		87.12	7158.05	418.66	1406.57
Hempstead Lake	14757.4*	Max WS	41.05	41.04	0.00	0.00		86.42	7172.35	394.93	1374.51
Hempstead Lake	14737.5*	Max WS	41.05	41.04	0.00	0.00		85.23	7210.55	367.85	1275.46
Hempstead Lake	14717.5*	Max WS	41.05	41.04	0.00	0.00		89.47	7227.31	346.75	1189.86
Hempstead Lake	14697.6*	Max WS	41.05	41.04	0.00	0.00		93.72	7233.64	326.33	1188.23
Hempstead Lake	14677.6*	Max WS	41.05	41.04	0.00	0.00		98.88	7257.09	307.38	1207.28
Hempstead Lake	14657.7*	Max WS	41.05	41.04	0.00	0.00		103.62	7265.43	284.62	1230.72
Hempstead Lake	14637.7*	Max WS	41.05	41.04	0.00	0.00		109.22	7285.91	268.01	1253.62
Hempstead Lake	14617.8*	Max WS	41.05	41.04	0.00	0.00		110.57	7300.13	252.33	1303.60
Hempstead Lake	14597.8*	Max WS	41.05	41.04	0.00	0.00		114.45	7301.76	237.47	1381.63
Hempstead Lake	14577.9*	Max WS	41.05	41.04	0.00	0.00		115.95	7318.95	218.77	1429.33
Hempstead Lake	14557.9*	Max WS	41.05	41.04	0.00	0.00		119.07	7337.54	206.12	1485.08
Hempstead Lake	14538.0*	Max WS	41.05	41.04	0.00	0.00		121.85	7346.23	194.53	1528.72
Hempstead Lake	14518.0*	Max WS	41.05	41.04	0.00	0.00		121.52	7362.63	178.35	1571.49
Hempstead Lake	14498.1*	Max WS	41.05	41.04	0.00	0.00		119.51	7376.35	166.53	1637.59
Hempstead Lake	14478.1*	Max WS	41.05	41.04	0.00	0.00		120.27	7375.73	166.26	1708.31
Hempstead Lake	14458.2*	Max WS	41.05	41.04	0.00	0.00		121.91	7374.16	166.06	1729.94
Hempstead Lake	14438.2*	Max WS	41.05	41.04	0.00	0.00		119.62	7381.55	160.84	1748.99
Hempstead Lake	14418.3*	Max WS	41.05	41.04	0.00	0.00		120.07	7382.66	159.15	1766.33
Hempstead Lake	14398.37	Max WS	41.05	41.04	0.00	0.00		51.16	7452.31	158.28	1780.62
Hempstead Lake	14378.3*	Max WS	41.05	41.04	0.00	0.00		55.60	7431.77	166.32	1759.08
Hempstead Lake	14358.3*	Max WS	41.05	41.04	0.00	0.00		59.99	7426.42	175.07	1737.82
Hempstead Lake	14338.2*	Max WS	41.05	41.04	0.00	0.00		64.40	7412.91	184.05	1716.82
Hempstead Lake	14318.2*	Max WS	41.05	41.04	0.00	0.00		68.66	7399.09	193.46	1696.37
Hempstead Lake	14298.2*	Max WS	41.05	41.04	0.00	0.00		72.72	7384.92	203.45	1676.38
Hempstead Lake	14278.1*	Max WS	41.05	41.04	0.00	0.00		76.64	7363.23	213.82	1656.88
Hempstead Lake	14258.1*	Max WS	41.05	41.04	0.00	0.00		80.49	7355.24	225.10	1638.01
Hempstead Lake	14238.1*	Max WS	41.05	41.04	0.00	0.00		84.03	7339.84	236.83	1619.97
Hempstead Lake	14218.0*	Max WS	41.05	41.04	0.00	0.00		87.23	7324.09	249.24	1602.94
Hempstead Lake	14198.0*	Max WS	41.05	41.04	0.00	0.00		90.13	7307.73	262.59	1587.07
Hempstead Lake	14178.0*	Max WS	41.05	41.04	0.00	0.00		92.56	7284.69	276.45	1572.65
Hempstead Lake	14157.9*	Max WS	41.05	41.04	0.00	0.00		94.64	7266.56	292.47	1557.71
Hempstead Lake	14137.9*	Max WS	41.05	41.04	0.00	0.00		96.73	7252.15	311.18	1631.67
Hempstead Lake	14117.9*	Max WS	41.05	41.04	0.00	0.00		99.07	7223.85	330.74	1642.22

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	41.05	41.04	0.00	0.00		101.84	7205.65	352.31	1639.22
Hempstead Lake	14077.8*	Max WS	41.05	41.04	0.00	0.00		104.52	7180.42	374.72	1636.89
Hempstead Lake	14057.8*	Max WS	41.05	41.04	0.00	0.00		106.66	7145.89	401.09	1629.85
Hempstead Lake	14037.7*	Max WS	41.05	41.04	0.00	0.00		108.16	7115.45	430.01	1622.35
Hempstead Lake	14017.75	Max WS	41.05	41.04	0.00	0.00		107.58	7091.92	459.75	1632.68
Hempstead Lake	13998.2*	Max WS	41.05	41.04	0.00	0.00		214.73	6875.71	568.69	1624.67
Hempstead Lake	13978.6*	Max WS	41.05	41.04	0.00	0.00		203.35	6916.99	533.25	1619.88
Hempstead Lake	13959.1*	Max WS	41.05	41.04	0.00	0.00		201.84	6956.78	500.29	1610.67
Hempstead Lake	13939.6*	Max WS	41.05	41.04	0.00	0.00		199.48	6985.09	469.01	1598.68
Hempstead Lake	13920.0*	Max WS	41.05	41.04	0.00	0.00		194.31	7030.14	434.22	1586.31
Hempstead Lake	13900.5*	Max WS	41.05	41.04	0.00	0.00		199.32	7052.65	406.58	1573.19
Hempstead Lake	13881.*	Max WS	41.04	41.04	0.00	0.00		195.47	7082.72	380.26	1560.79
Hempstead Lake	13861.4*	Max WS	41.04	41.04	0.00	0.00		190.81	7116.59	350.94	1544.82
Hempstead Lake	13841.9*	Max WS	41.04	41.04	0.00	0.00		185.68	7142.99	329.56	1530.97
Hempstead Lake	13822.3*	Max WS	41.04	41.04	0.00	0.00		176.94	7173.09	303.51	1519.89
Hempstead Lake	13802.8*	Max WS	41.04	41.04	0.00	0.00		171.06	7199.14	283.32	1509.93
Hempstead Lake	13783.3*	Max WS	41.04	41.04	0.00	0.00		162.51	7235.77	259.61	1501.30
Hempstead Lake	13763.7*	Max WS	41.04	41.04	0.00	0.00		155.30	7263.18	239.30	1493.90
Hempstead Lake	13744.2*	Max WS	41.04	41.04	0.00	0.00		149.01	7291.40	217.28	1487.57
Hempstead Lake	13724.7*	Max WS	41.04	41.04	0.00	0.00		141.97	7312.42	199.10	1482.53
Hempstead Lake	13705.1*	Max WS	41.04	41.04	0.00	0.00		131.66	7344.54	177.28	1477.97
Hempstead Lake	13685.63	Max WS	41.04	41.04	0.00	0.00		93.65	7443.01	120.69	1474.19
Hempstead Lake	13666.4*	Max WS	41.04	41.04	0.00	0.00		120.69	7368.64	164.12	1476.16
Hempstead Lake	13647.1*	Max WS	41.04	41.04	0.00	0.00		122.33	7368.99	165.83	1473.35
Hempstead Lake	13627.9*	Max WS	41.04	41.04	0.00	0.00		125.01	7357.26	171.16	1470.54
Hempstead Lake	13608.7*	Max WS	41.04	41.04	0.00	0.00		126.85	7354.21	172.36	1467.50
Hempstead Lake	13589.5*	Max WS	41.04	41.04	0.00	0.00		129.41	7349.74	174.26	1464.52
Hempstead Lake	13570.2*	Max WS	41.04	41.04	0.00	0.00		131.29	7350.58	174.85	1461.58
Hempstead Lake	13551.0*	Max WS	41.04	41.04	0.00	0.00		134.86	7339.60	178.93	1458.75
Hempstead Lake	13531.8*	Max WS	41.04	41.04	0.00	0.00		136.53	7341.50	178.47	1456.00
Hempstead Lake	13512.6*	Max WS	41.04	41.04	0.00	0.00		138.84	7336.01	178.52	1452.85
Hempstead Lake	13493.3*	Max WS	41.04	41.04	0.00	0.00		139.81	7336.99	176.55	1450.02
Hempstead Lake	13474.1*	Max WS	41.04	41.04	0.00	0.00		141.62	7339.23	175.33	1447.47
Hempstead Lake	13454.9*	Max WS	41.04	41.04	0.00	0.00		142.46	7337.36	173.50	1445.24
Hempstead Lake	13435.72	Max WS	41.04	41.04	0.00	0.00		121.38	7148.75	383.17	1443.21
Hempstead Lake	13419.3*	Max WS	41.04	41.04	0.00	0.00		134.85	7358.22	160.22	1447.23
Hempstead Lake	13403.0*	Max WS	41.04	41.04	0.00	0.00		143.67	7358.12	154.00	1451.23
Hempstead Lake	13386.6*	Max WS	41.04	41.04	0.00	0.00		151.69	7357.90	146.11	1455.22
Hempstead Lake	13370.3*	Max WS	41.04	41.04	0.00	0.00		157.45	7359.87	135.93	1459.15
Hempstead Lake	13354.*	Max WS	41.04	41.04	0.00	0.00		165.66	7359.93	127.63	1463.06
Hempstead Lake	13337.6*	Max WS	41.04	41.04	0.00	0.00		172.97	7361.50	118.74	1466.95
Hempstead Lake	13321.3*	Max WS	41.04	41.04	0.00	0.00		180.87	7362.27	110.06	1470.76
Hempstead Lake	13304.9*	Max WS	41.04	41.04	0.00	0.00		187.98	7366.17	101.08	1474.57
Hempstead Lake	13288.6*	Max WS	41.04	41.04	0.00	0.00		195.62	7365.10	92.44	1478.36
Hempstead Lake	13272.29	Max WS	41.04	41.04	0.00	0.00		172.79	7413.18	67.19	1482.10
Hempstead Lake	13255.0*	Max WS	41.04	41.04	0.00	0.00		173.26	7409.66	70.21	1483.66
Hempstead Lake	13237.8*	Max WS	41.04	41.04	0.00	0.00		176.32	7405.30	73.18	1485.13
Hempstead Lake	13220.5*	Max WS	41.04	41.04	0.00	0.00		178.82	7398.45	75.84	1486.51
Hempstead Lake	13203.3*	Max WS	41.04	41.04	0.00	0.00		177.58	7398.74	76.76	1487.79
Hempstead Lake	13186.0*	Max WS	41.04	41.04	0.00	0.00		179.73	7394.09	79.24	1488.95
Hempstead Lake	13168.8*	Max WS	41.04	41.04	0.00	0.00		182.15	7389.11	81.76	1489.93
Hempstead Lake	13151.6*	Max WS	41.04	41.04	0.00	0.00		184.66	7384.06	84.28	1490.80
Hempstead Lake	13134.3*	Max WS	41.04	41.04	0.00	0.00		186.14	7380.45	86.39	1491.51
Hempstead Lake	13117.1*	Max WS	41.04	41.04	0.00	0.00		187.99	7376.35	88.62	1492.01
Hempstead Lake	13099.8*	Max WS	41.04	41.04	0.00	0.00		186.00	7377.91	89.02	1492.32
Hempstead Lake	13082.6*	Max WS	41.04	41.04	0.00	0.00		186.82	7375.39	90.69	1492.60
Hempstead Lake	13065.3*	Max WS	41.04	41.04	0.00	0.00		187.30	7373.40	92.17	1492.76
Hempstead Lake	13048.1*	Max WS	41.04	41.04	0.00	0.00		188.06	7370.92	93.86	1492.72
Hempstead Lake	13030.9*	Max WS	41.04	41.04	0.00	0.00		187.74	7370.21	94.87	1492.51
Hempstead Lake	13013.6*	Max WS	41.04	41.04	0.00	0.00		186.85	7370.16	95.78	1492.09
Hempstead Lake	12996.4*	Max WS	41.04	41.04	0.00	0.00		184.28	7372.75	95.73	1491.34
Hempstead Lake	12979.1*	Max WS	41.04	41.04	0.00	0.00		182.84	7373.61	96.28	1490.34
Hempstead Lake	12961.9*	Max WS	41.04	41.04	0.00	0.00		181.05	7374.82	96.83	1488.98
Hempstead Lake	12944.7*	Max WS	41.04	41.04	0.00	0.00		180.78	7373.69	98.20	1487.19
Hempstead Lake	12927.4*	Max WS	41.04	41.04	0.00	0.00		178.36	7375.82	98.47	1485.08
Hempstead Lake	12910.2*	Max WS	41.04	41.04	0.00	0.00		175.68	7378.12	98.83	1482.70
Hempstead Lake	12892.97	Max WS	41.04	41.04	0.00	0.00		123.88	7410.78	117.94	1479.95
Hempstead Lake	12881.0*	Max WS	41.04	41.04	0.00	0.00		153.20	8734.64	88.87	1477.15
Hempstead Lake	12869.1*	Max WS	41.04	41.04	0.00	0.00		152.94	8733.92	89.81	1473.91
Hempstead Lake	12857.1*	Max WS	41.04	41.04	0.00	0.00		152.54	8733.13	90.96	1470.36
Hempstead Lake	12845.2*	Max WS	41.04	41.04	0.00	0.00		152.23	8732.16	92.21	1466.43
Hempstead Lake	12833.3*	Max WS	41.04	41.04	0.00	0.00		151.88	8731.26	93.43	1462.42

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	41.04	41.04	0.00	0.00		151.64	8730.08	94.81	1458.39
Hempstead Lake	12809.4*	Max WS	41.04	41.04	0.00	0.00		151.33	8728.80	96.37	1454.11
Hempstead Lake	12797.5*	Max WS	41.04	41.04	0.00	0.00		150.95	8727.48	98.02	1449.72
Hempstead Lake	12785.6*	Max WS	41.04	41.04	0.00	0.00		150.53	8726.14	99.75	1445.00
Hempstead Lake	12773.7*	Max WS	41.04	41.04	0.00	0.00		150.17	8724.49	101.72	1440.03
Hempstead Lake	12761.7*	Max WS	41.04	41.04	0.00	0.00		149.76	8722.90	103.68	1435.60
Hempstead Lake	12749.8*	Max WS	41.04	41.04	0.00	0.00		149.43	8721.25	105.62	1431.70
Hempstead Lake	12737.9*	Max WS	41.04	41.04	0.00	0.00		149.08	8719.61	107.57	1427.90
Hempstead Lake	12726.0*	Max WS	41.04	41.04	0.00	0.00		148.66	8718.08	109.48	1424.15
Hempstead Lake	12714.0*	Max WS	41.04	41.04	0.00	0.00		148.18	8716.45	111.56	1420.34
Hempstead Lake	12702.1*	Max WS	41.04	41.04	0.00	0.00		147.79	8714.87	113.50	1417.11
Hempstead Lake	12690.2*	Max WS	41.04	41.04	0.00	0.00		147.30	8713.40	115.41	1413.89
Hempstead Lake	12678.3*	Max WS	41.04	41.04	0.00	0.00		147.02	8711.73	117.34	1411.43
Hempstead Lake	12666.3*	Max WS	41.04	41.04	0.00	0.00		146.54	8710.56	118.94	1409.21
Hempstead Lake	12654.4*	Max WS	41.04	41.04	0.00	0.00		146.09	8709.32	120.60	1407.01
Hempstead Lake	12642.5*	Max WS	41.04	41.04	0.00	0.00		145.66	8708.04	122.28	1404.92
Hempstead Lake	12630.6*	Max WS	41.04	41.04	0.00	0.00		145.20	8706.84	123.89	1402.76
Hempstead Lake	12618.6*	Max WS	41.04	41.04	0.00	0.00		144.80	8705.37	125.72	1400.65
Hempstead Lake	12606.7*	Max WS	41.04	41.04	0.00	0.00		144.31	8704.22	127.31	1398.59
Hempstead Lake	12594.8*	Max WS	41.04	41.04	0.00	0.00		143.84	8702.89	129.08	1396.51
Hempstead Lake	12582.9*	Max WS	41.04	41.04	0.00	0.00		143.37	8701.72	130.69	1394.42
Hempstead Lake	12570.9*	Max WS	41.04	41.04	0.00	0.00		142.80	8700.56	132.37	1392.41
Hempstead Lake	12559.0*	Max WS	41.04	41.04	0.00	0.00		142.34	8699.19	134.15	1390.37
Hempstead Lake	12547.1*	Max WS	41.04	41.04	0.00	0.00		141.96	8697.89	135.79	1388.33
Hempstead Lake	12535.2*	Max WS	41.04	41.04	0.00	0.00		141.37	8696.72	137.51	1386.37
Hempstead Lake	12523.27	Max WS	41.04	41.04	0.00	0.00		141.02	8701.68	132.86	1384.35
Hempstead Lake	12515.8*	Max WS	41.04	41.04	0.00	0.00		219.35	9192.50	137.69	1370.94
Hempstead Lake	12508.3*	Max WS	41.04	41.04	0.00	0.00		234.21	9181.53	133.77	1357.47
Hempstead Lake	12500.9*	Max WS	41.04	41.04	0.00	0.00		245.65	9174.50	129.33	1343.99
Hempstead Lake	12493.4*	Max WS	41.04	41.04	0.00	0.00		256.87	9168.46	124.12	1330.41
Hempstead Lake	12486.0*	Max WS	41.04	41.04	0.00	0.00		271.27	9159.79	118.37	1316.72
Hempstead Lake	12478.5*	Max WS	41.04	41.04	0.00	0.00		281.92	9155.48	112.01	1302.99
Hempstead Lake	12471.1*	Max WS	41.04	41.04	0.00	0.00		291.84	9152.17	105.37	1289.18
Hempstead Lake	12463.7*	Max WS	41.04	41.04	0.00	0.00		305.80	9145.22	98.33	1275.24
Hempstead Lake	12456.2*	Max WS	41.04	41.04	0.00	0.00		315.13	9143.03	91.18	1261.19
Hempstead Lake	12448.8*	Max WS	41.04	41.04	0.00	0.00		323.75	9141.61	83.97	1246.58
Hempstead Lake	12441.3*	Max WS	41.04	41.04	0.00	0.00		336.97	9135.41	76.92	1231.74
Hempstead Lake	12433.9*	Max WS	41.04	41.04	0.00	0.00		350.52	9128.24	70.53	1217.62
Hempstead Lake	12426.4*	Max WS	41.04	41.04	0.00	0.00		357.63	9128.72	62.92	1203.53
Hempstead Lake	12419.0*	Max WS	41.04	41.04	0.00	0.00		369.50	9124.45	55.29	1189.28
Hempstead Lake	12411.5*	Max WS	41.04	41.04	0.00	0.00		375.52	9125.52	48.18	1174.60
Hempstead Lake	12404.1*	Max WS	41.04	41.04	0.00	0.00		380.81	9126.99	41.39	1159.76
Hempstead Lake	12396.6*	Max WS	41.04	41.04	0.00	0.00		385.22	9129.05	34.90	1144.63
Hempstead Lake	12389.2*	Max WS	41.04	41.04	0.00	0.00		395.27	9125.05	28.84	1129.29
Hempstead Lake	12381.8*	Max WS	41.04	41.04	0.00	0.00		402.88	9122.60	23.66	1113.45
Hempstead Lake	12374.3*	Max WS	41.04	41.04	0.00	0.00		404.39	9126.01	18.72	1097.10
Hempstead Lake	12366.9*	Max WS	41.04	41.03	0.00	0.00		411.91	9122.87	14.32	1080.34
Hempstead Lake	12359.46	Max WS	41.04	41.03	0.00	0.00		184.77	9359.54	4.76	1063.37
Hempstead Lake	12349.5*	Max WS	41.04	41.03	0.01	0.00		432.44	9488.77	11.76	1048.35
Hempstead Lake	12339.7*	Max WS	41.04	41.03	0.01	0.00		436.16	9484.28	12.51	1033.35
Hempstead Lake	12329.8*	Max WS	41.04	41.03	0.01	0.00		429.65	9490.02	13.25	1018.32
Hempstead Lake	12320.*	Max WS	41.04	41.03	0.01	0.00		433.12	9485.72	14.04	1003.23
Hempstead Lake	12310.1*	Max WS	41.04	41.03	0.01	0.00		436.66	9481.32	14.88	988.11
Hempstead Lake	12300.2*	Max WS	41.04	41.03	0.01	0.00		439.63	9477.47	15.73	972.95
Hempstead Lake	12290.4*	Max WS	41.04	41.03	0.01	0.00		439.12	9477.15	16.53	957.80
Hempstead Lake	12280.5*	Max WS	41.04	41.03	0.01	0.00		442.05	9473.29	17.43	942.66
Hempstead Lake	12270.6*	Max WS	41.04	41.03	0.01	0.00		438.54	9475.84	18.37	927.44
Hempstead Lake	12260.8*	Max WS	41.04	41.03	0.01	0.00		441.27	9472.13	19.31	912.26
Hempstead Lake	12250.9*	Max WS	41.04	41.03	0.01	0.00		443.56	9468.79	20.34	897.06
Hempstead Lake	12241.0*	Max WS	41.04	41.03	0.01	0.00		441.91	9469.59	21.16	881.72
Hempstead Lake	12231.2*	Max WS	41.04	41.03	0.01	0.00		443.93	9466.56	22.15	866.60
Hempstead Lake	12221.3*	Max WS	41.04	41.03	0.01	0.00		439.99	9469.46	23.16	851.48
Hempstead Lake	12211.4*	Max WS	41.04	41.03	0.01	0.00		441.57	9466.75	24.26	836.37
Hempstead Lake	12201.6*	Max WS	41.04	41.03	0.01	0.00		442.75	9464.42	25.39	820.87
Hempstead Lake	12191.7*	Max WS	41.04	41.03	0.01	0.00		439.63	9466.51	26.39	805.16
Hempstead Lake	12181.8*	Max WS	41.04	41.03	0.01	0.00		440.31	9464.68	27.51	789.83
Hempstead Lake	12172.0*	Max WS	41.04	41.02	0.01	0.00		435.90	9468.73	27.85	777.59
Hempstead Lake	12162.1*	Max WS	41.04	41.02	0.01	0.00		435.76	9467.99	28.70	763.79
Hempstead Lake	12152.2*	Max WS	41.03	41.02	0.01	0.00		431.61	9471.39	29.43	749.63
Hempstead Lake	12142.4*	Max WS	41.03	41.02	0.01	0.00		393.34	9511.22	27.84	735.33
Hempstead Lake	12132.5*	Max WS	41.03	41.02	0.01	0.00		390.04	9513.69	28.65	721.17
Hempstead Lake	12122.7*	Max WS	41.03	41.02	0.01	0.00		386.08	9516.30	29.58	706.84

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12112.8*	Max WS	41.03	41.02	0.01	0.00		377.93	9523.89	30.52	692.33
Hempstead Lake	12102.9*	Max WS	41.03	41.02	0.02	0.00		366.72	9534.29	30.93	677.66
Hempstead Lake	12093.1*	Max WS	41.03	41.02	0.02	0.00		361.45	9538.92	31.92	662.69
Hempstead Lake	12083.2*	Max WS	41.03	41.02	0.02	0.00		355.51	9543.42	33.03	647.58
Hempstead Lake	12073.3*	Max WS	41.03	41.02	0.02	0.00		349.32	9548.57	34.06	632.40
Hempstead Lake	12063.5*	Max WS	41.03	41.01	0.02	0.00		339.32	9557.46	35.16	617.06
Hempstead Lake	12053.6*	Max WS	41.03	41.01	0.02	0.00		325.29	9571.38	35.51	601.54
Hempstead Lake	12043.7*	Max WS	41.03	41.01	0.02	0.00		317.28	9578.06	36.60	585.85
Hempstead Lake	12033.9*	Max WS	41.03	41.01	0.02	0.00		308.97	9585.49	37.67	569.82
Hempstead Lake	12024.0*	Max WS	41.03	41.01	0.02	0.00		299.91	9593.57	38.64	553.77
Hempstead Lake	12014.1*	Max WS	41.03	41.01	0.03	0.00		283.33	9609.90	38.70	537.55
Hempstead Lake	12004.3*	Max WS	41.03	41.00	0.03	0.00		271.16	9621.22	39.71	521.20
Hempstead Lake	11994.45	Max WS	41.03	41.00	0.03	0.00		359.49	9505.45	67.14	504.55
Hempstead Lake	11989.45	Max WS	41.03	41.00	0.03			379.95	9539.95	73.21	504.53
Hempstead Lake	11979		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.99	40.96	0.03	0.00		454.31	9440.48	98.18	504.00
Hempstead Lake	11964.45	Max WS	40.99	40.96	0.03	0.00		478.18	9411.06	103.73	503.99
Hempstead Lake	11954.6*	Max WS	40.99	40.96	0.03	0.00		303.15	9606.26	83.67	512.88
Hempstead Lake	11944.8*	Max WS	40.99	40.96	0.03	0.00		313.79	9585.06	94.11	522.77
Hempstead Lake	11934.9*	Max WS	40.99	40.95	0.04	0.00		322.52	9564.24	106.29	533.88
Hempstead Lake	11925.1*	Max WS	40.99	40.95	0.04	0.00		331.29	9540.17	121.50	543.89
Hempstead Lake	11915.3*	Max WS	40.98	40.95	0.04	0.00		339.70	9513.27	139.99	554.37
Hempstead Lake	11905.5*	Max WS	40.97	40.93	0.04	0.00		349.82	9480.65	162.54	565.60
Hempstead Lake	11895.6*	Max WS	40.97	40.93	0.04	0.00		357.51	9445.80	189.65	576.73
Hempstead Lake	11885.8*	Max WS	40.96	40.92	0.04	0.00		365.82	9404.23	222.89	588.54
Hempstead Lake	11876.0*	Max WS	40.95	40.91	0.04	0.00		436.68	9249.25	307.01	601.18
Hempstead Lake	11866.2*	Max WS	40.94	40.90	0.05	0.00		440.44	9184.63	367.88	602.85
Hempstead Lake	11856.4*	Max WS	40.93	40.88	0.05	0.00		443.27	9112.01	437.67	604.50
Hempstead Lake	11846.5*	Max WS	40.91	40.86	0.05	0.00		445.55	9030.58	516.81	606.16
Hempstead Lake	11836.7*	Max WS	40.89	40.84	0.05	0.00		447.56	8937.94	607.44	607.82
Hempstead Lake	11826.9*	Max WS	40.81	40.75	0.06	0.00		446.60	8842.75	703.58	609.47
Hempstead Lake	11817.1*	Max WS	40.69	40.63	0.06	0.00		443.55	8739.61	809.77	611.13
Hempstead Lake	11807.2*	Max WS	40.62	40.56	0.06	0.00		440.71	8614.81	937.40	612.78
Hempstead Lake	11797.46	Max WS	38.71	38.68	0.03	0.00		125.90	4222.02	383.97	614.44
Hempstead Lake	11792.46	Max WS	39.83	39.74	0.09			307.67	8864.37	820.89	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	35.20	35.05	0.14	0.00			1928.85		378.48
Hempstead Lake	11627.46	Max WS	35.19	35.07	0.12	0.00			1930.71		534.98
Hempstead Lake	11617.9*	Max WS	35.15	35.06	0.09	0.01			1930.71		615.68
Hempstead Lake	11608.4*	Max WS	35.14	35.09	0.06	0.00			1932.58		651.77
Hempstead Lake	11598.94	Max WS	35.15	35.11	0.04	0.00			1936.36		669.04
Hempstead Lake	11573.9*	Max WS	35.20	35.18	0.02	0.00		47.49	2118.38	0.92	745.15
Hempstead Lake	11548.9*	Max WS	35.20	35.19	0.02	0.00		111.84	2056.26	0.61	821.70
Hempstead Lake	11523.9*	Max WS	35.20	35.19	0.01	0.00		208.02	1960.22	0.38	899.60
Hempstead Lake	11498.9*	Max WS	35.20	35.19	0.01	0.00		332.49	1835.84	0.23	970.53
Hempstead Lake	11473.9*	Max WS	35.20	35.19	0.00	0.00		475.38	1692.99	0.12	1041.63
Hempstead Lake	11448.9*	Max WS	35.20	35.19	0.00	0.00		606.69	1561.69	0.06	1106.78
Hempstead Lake	11423.9*	Max WS	35.20	35.19	0.00	0.00		721.86	1446.50	0.03	1149.19
Hempstead Lake	11398.9*	Max WS	35.20	35.19	0.00	0.00		831.05	1337.28	0.01	1211.05
Hempstead Lake	11373.9*	Max WS	35.20	35.19	0.00	0.00		921.39	1246.90	0.00	1278.11
Hempstead Lake	11349.*	Max WS	35.20	35.19	0.00	0.00		1004.68	1163.56	0.00	1345.98
Hempstead Lake	11324.*	Max WS	35.19	35.19	0.00	0.00		1098.73	1069.46	0.00	1413.69
Hempstead Lake	11299.0*	Max WS	35.19	35.19	0.00	0.00		1168.81	999.34		1481.33
Hempstead Lake	11274.0*	Max WS	35.19	35.19	0.00	0.00		1233.17	934.94		1548.56
Hempstead Lake	11249.0*	Max WS	35.19	35.19	0.00	0.00		1304.92	863.15		1616.32
Hempstead Lake	11224.0*	Max WS	35.19	35.19	0.00	0.00		1359.28	808.74		1685.40
Hempstead Lake	11199.0*	Max WS	35.19	35.19	0.00	0.00		1409.61	758.36		1754.32
Hempstead Lake	11174.0*	Max WS	35.19	35.19	0.00	0.00		1456.07	711.83		1823.65
Hempstead Lake	11149.0*	Max WS	35.19	35.19	0.00	0.00		1512.05	655.79		1893.03
Hempstead Lake	11124.0*	Max WS	35.19	35.19	0.00	0.00		1552.10	615.66		1962.23
Hempstead Lake	11099.0*	Max WS	35.19	35.19	0.00	0.00		1589.30	578.38		2031.85
Hempstead Lake	11074.0*	Max WS	35.19	35.19	0.00	0.00		1636.70	530.89		2101.54
Hempstead Lake	11049.07	Max WS	35.19	35.19	0.00	0.00		1242.79	924.72		2171.52
Hempstead Lake	11038.4*	Max WS	35.19	35.19	0.00	0.00		1623.59	543.87		2148.20
Hempstead Lake	11027.7*	Max WS	35.19	35.19	0.00	0.00		1590.55	576.86		2124.87
Hempstead Lake	11017.0*	Max WS	35.19	35.19	0.00	0.00		1541.72	625.63		2101.38
Hempstead Lake	11006.4*	Max WS	35.19	35.19	0.00	0.00		1490.02	677.28		2070.06
Hempstead Lake	10995.7*	Max WS	35.19	35.19	0.00	0.00		1451.18	716.07		1864.03
Hempstead Lake	10985.0*	Max WS	35.19	35.19	0.00	0.00		1394.30	772.90		1844.64
Hempstead Lake	10974.4*	Max WS	35.19	35.19	0.00	0.00		1349.70	817.46		1825.44
Hempstead Lake	10963.7*	Max WS	35.19	35.19	0.00	0.00		1287.85	879.25		1806.04
Hempstead Lake	10953.1*	Max WS	35.19	35.19	0.00	0.00		1223.76	943.29		1786.87

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10942.4*	Max WS	35.19	35.19	0.00	0.00		1172.20	994.80		1767.87
Hempstead Lake	10931.7*	Max WS	35.19	35.19	0.00	0.00		1104.13	1062.82		1748.72
Hempstead Lake	10921.1*	Max WS	35.19	35.19	0.00	0.00		1034.77	1132.13		1729.66
Hempstead Lake	10910.4*	Max WS	35.19	35.19	0.00	0.00		978.26	1188.59		1710.75
Hempstead Lake	10899.7*	Max WS	35.19	35.19	0.00	0.00		906.76	1260.03		1691.74
Hempstead Lake	10889.1*	Max WS	35.19	35.19	0.00	0.00		835.40	1331.33		1672.97
Hempstead Lake	10878.4*	Max WS	35.19	35.19	0.00	0.00		776.95	1389.72		1654.07
Hempstead Lake	10867.8*	Max WS	35.19	35.19	0.00	0.00		706.28	1460.33		1635.11
Hempstead Lake	10857.1*	Max WS	35.19	35.19	0.00	0.00		648.38	1518.18		1616.45
Hempstead Lake	10846.4*	Max WS	35.19	35.19	0.00	0.00		580.85	1585.63		1597.71
Hempstead Lake	10835.8*	Max WS	35.19	35.19	0.00	0.00		516.01	1650.41		1579.06
Hempstead Lake	10825.1*	Max WS	35.19	35.19	0.00	0.00		462.55	1703.82		1560.56
Hempstead Lake	10814.4*	Max WS	35.19	35.19	0.00	0.00		403.53	1762.77		1542.03
Hempstead Lake	10803.8*	Max WS	35.19	35.19	0.00	0.00		350.70	1815.53		1523.57
Hempstead Lake	10793.1*	Max WS	35.19	35.19	0.00	0.00		307.87	1858.30		1505.21
Hempstead Lake	10782.4*	Max WS	35.19	35.19	0.00	0.00		262.70	1903.40		1486.89
Hempstead Lake	10771.8*	Max WS	35.19	35.19	0.00	0.00		221.75	1944.29		1468.59
Hempstead Lake	10761.1*	Max WS	35.19	35.19	0.00	0.00		188.81	1977.18		1450.51
Hempstead Lake	10750.5*	Max WS	35.19	35.19	0.00	0.00		155.82	2010.10		1432.34
Hempstead Lake	10739.8*	Max WS	35.19	35.19	0.00	0.00		126.82	2039.05		1414.39
Hempstead Lake	10729.1*	Max WS	35.19	35.19	0.00	0.00		103.78	2062.02		1396.44
Hempstead Lake	10718.5*	Max WS	35.19	35.19	0.00	0.00		82.18	2083.56		1377.55
Hempstead Lake	10707.8*	Max WS	35.19	35.19	0.00	0.00		65.09	2100.58		1358.94
Hempstead Lake	10697.1*	Max WS	35.19	35.19	0.00	0.00		49.60	2115.99		1340.34
Hempstead Lake	10686.5*	Max WS	35.19	35.19	0.00	0.00		36.90	2128.62		1322.28
Hempstead Lake	10675.8*	Max WS	35.19	35.19	0.00	0.00		27.17	2138.29		1304.59
Hempstead Lake	10665.2*	Max WS	35.19	35.19	0.00	0.00		18.95	2146.45		1287.11
Hempstead Lake	10654.5*	Max WS	35.19	35.19	0.00	0.00		12.66	2152.66		1269.90
Hempstead Lake	10643.8*	Max WS	35.19	35.19	0.00	0.00		8.12	2157.14		1253.91
Hempstead Lake	10633.2*	Max WS	35.19	35.19	0.00	0.00		4.71	2160.49		1238.04
Hempstead Lake	10622.5*	Max WS	35.19	35.19	0.00	0.00		2.42	2162.72		1222.34
Hempstead Lake	10611.8*	Max WS	35.19	35.19	0.00	0.00		1.05	2164.04		1206.80
Hempstead Lake	10601.2*	Max WS	35.19	35.19	0.00	0.00		0.30	2164.71		1191.45
Hempstead Lake	10590.5*	Max WS	35.19	35.19	0.00	0.00		0.02	2164.90		1176.30
Hempstead Lake	10579.8*	Max WS	35.19	35.19	0.00	0.00			2164.84		1119.69
Hempstead Lake	10569.23	Max WS	35.19	35.19	0.00	0.00			2164.77		1106.74
Hempstead Lake	10549.1*	Max WS	35.19	35.19	0.00	0.00			2164.71		1109.26
Hempstead Lake	10529.0*	Max WS	35.19	35.19	0.00	0.00			2164.63		1108.55
Hempstead Lake	10508.9*	Max WS	35.19	35.19	0.00	0.00			2164.56		1107.44
Hempstead Lake	10488.7*	Max WS	35.19	35.19	0.00	0.00			2164.49		1105.94
Hempstead Lake	10468.6*	Max WS	35.19	35.19	0.00	0.00			2164.41		1104.28
Hempstead Lake	10448.5*	Max WS	35.19	35.19	0.00	0.00			2164.34		1102.36
Hempstead Lake	10428.4*	Max WS	35.19	35.19	0.00	0.00			2164.25		1100.24
Hempstead Lake	10408.3*	Max WS	35.19	35.19	0.00	0.00			2164.16		1098.19
Hempstead Lake	10388.2*	Max WS	35.19	35.19	0.00	0.00			2164.08		1096.19
Hempstead Lake	10368.1*	Max WS	35.19	35.19	0.00	0.00			2163.99		1093.99
Hempstead Lake	10348.0*	Max WS	35.19	35.19	0.00	0.00			2172.82		1091.71
Hempstead Lake	10327.9*	Max WS	35.19	35.19	0.00	0.00			2172.81		1089.34
Hempstead Lake	10307.8*	Max WS	35.19	35.19	0.00	0.00			2163.71		1087.02
Hempstead Lake	10287.7*	Max WS	35.19	35.19	0.00	0.00			2172.81		1084.56
Hempstead Lake	10267.6*	Max WS	35.19	35.19	0.00	0.00			2172.80		1082.09
Hempstead Lake	10247.4*	Max WS	35.19	35.19	0.00	0.00			2172.78		1079.59
Hempstead Lake	10227.3*	Max WS	35.19	35.19	0.00	0.00			2172.76		1077.19
Hempstead Lake	10207.2*	Max WS	35.19	35.19	0.00	0.00			2172.74		1074.61
Hempstead Lake	10187.1*	Max WS	35.19	35.19	0.00	0.00			2172.72		1072.20
Hempstead Lake	10167.0*	Max WS	35.19	35.19	0.00	0.00			2172.70		1069.68
Hempstead Lake	10146.9*	Max WS	35.19	35.19	0.00	0.00			2172.67		1067.25
Hempstead Lake	10126.8*	Max WS	35.19	35.19	0.00	0.00			2172.65		1064.74
Hempstead Lake	10106.7*	Max WS	35.19	35.19	0.00	0.00			2172.63		1062.36
Hempstead Lake	10086.6*	Max WS	35.19	35.19	0.00	0.00			2172.60		1059.94
Hempstead Lake	10066.5*	Max WS	35.19	35.19	0.00	0.00			2172.56		1057.55
Hempstead Lake	10046.4*	Max WS	35.19	35.19	0.00	0.00			2172.52		1055.10
Hempstead Lake	10026.2*	Max WS	35.19	35.19	0.00	0.00		0.00	2172.47		1060.47
Hempstead Lake	10006.1*	Max WS	35.19	35.19	0.00	0.00		0.01	2172.42		1077.00
Hempstead Lake	9986.073	Max WS	35.19	35.19	0.00	0.00		0.04	2172.34		1092.86
Hempstead Lake	9965.77*	Max WS	35.19	35.19	0.00	0.00		0.02	2172.30		1082.51
Hempstead Lake	9945.47*	Max WS	35.19	35.19	0.00	0.00		0.01	2172.26		1071.36
Hempstead Lake	9925.18*	Max WS	35.19	35.19	0.00	0.00		0.00	2172.21		1058.88
Hempstead Lake	9904.88*	Max WS	35.19	35.19	0.00	0.00		0.00	2172.16		1044.62
Hempstead Lake	9884.59*	Max WS	35.19	35.19	0.00	0.00			2172.09		1035.05
Hempstead Lake	9864.29*	Max WS	35.19	35.19	0.00	0.00			2172.02		1033.28
Hempstead Lake	9843.99*	Max WS	35.19	35.19	0.00	0.00			2171.94	0.00	1031.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	9823.7*	Max WS	35.19	35.19	0.00	0.00			2182.77	0.00	1028.67
Hempstead Lake	9803.40*	Max WS	35.19	35.19	0.00	0.00			2171.79	0.01	1025.74
Hempstead Lake	9783.10*	Max WS	35.19	35.19	0.00	0.00			2171.70	0.02	1024.82
Hempstead Lake	9762.81*	Max WS	35.19	35.19	0.00	0.00			2182.71	0.04	1023.59
Hempstead Lake	9742.51*	Max WS	35.19	35.19	0.00	0.00		0.00	2182.68	0.05	1022.18
Hempstead Lake	9722.21*	Max WS	35.19	35.19	0.00	0.00		0.00	2182.63	0.08	1020.50
Hempstead Lake	9701.92*	Max WS	35.19	35.19	0.00	0.00		0.00	2182.57	0.11	1018.72
Hempstead Lake	9681.62*	Max WS	35.19	35.19	0.00	0.00		0.01	2182.49	0.15	1016.80
Hempstead Lake	9661.32*	Max WS	35.19	35.19	0.00	0.00		0.02	2182.41	0.19	1014.62
Hempstead Lake	9641.03*	Max WS	35.19	35.19	0.00	0.00		0.04	2182.32	0.24	1012.36
Hempstead Lake	9620.73*	Max WS	35.19	35.19	0.00	0.00		0.06	2182.20	0.29	1010.04
Hempstead Lake	9600.43*	Max WS	35.19	35.19	0.00	0.00		0.09	2182.06	0.36	1007.58
Hempstead Lake	9580.14*	Max WS	35.19	35.19	0.00	0.00		0.11	2181.93	0.42	1005.14
Hempstead Lake	9559.84*	Max WS	35.19	35.19	0.00	0.00		0.15	2181.76	0.49	1002.43
Hempstead Lake	9539.54*	Max WS	35.19	35.19	0.00	0.00		0.19	2181.55	0.60	999.72
Hempstead Lake	9519.25*	Max WS	35.19	35.19	0.00	0.00		0.25	2192.99	0.71	996.87
Hempstead Lake	9498.95*	Max WS	35.19	35.19	0.00	0.00		0.30	2192.80	0.84	994.11
Hempstead Lake	9478.65*	Max WS	35.19	35.19	0.00	0.00		0.37	2192.59	0.97	991.08
Hempstead Lake	9458.36*	Max WS	35.19	35.19	0.00	0.00		0.44	2192.36	1.12	988.12
Hempstead Lake	9438.06*	Max WS	35.19	35.19	0.00	0.00		0.52	2192.10	1.27	985.10
Hempstead Lake	9417.76*	Max WS	35.19	35.19	0.00	0.00		0.61	2191.81	1.44	982.12
Hempstead Lake	9397.47*	Max WS	35.19	35.19	0.00	0.00		0.70	2191.51	1.62	979.05
Hempstead Lake	9377.17*	Max WS	35.19	35.19	0.00	0.00		0.80	2191.18	1.81	975.99
Hempstead Lake	9356.87*	Max WS	35.19	35.19	0.00	0.00		0.87	2190.87	2.01	975.60
Hempstead Lake	9336.58*	Max WS	35.19	35.19	0.00	0.00		0.95	2190.53	2.22	975.65
Hempstead Lake	9316.28*	Max WS	35.19	35.19	0.00	0.00		1.05	2190.15	2.45	973.96
Hempstead Lake	9295.98*	Max WS	35.19	35.19	0.00	0.00		1.19	2201.70	2.71	970.31
Hempstead Lake	9275.69*	Max WS	35.19	35.19	0.00	0.00		1.33	2201.29	2.96	966.75
Hempstead Lake	9255.39*	Max WS	35.19	35.19	0.00	0.00		1.49	2200.84	3.24	963.19
Hempstead Lake	9235.09*	Max WS	35.19	35.19	0.00	0.00		1.66	2200.36	3.51	960.05
Hempstead Lake	9214.80*	Max WS	35.19	35.19	0.00	0.00		1.84	2211.72	3.82	958.27
Hempstead Lake	9194.50*	Max WS	35.19	35.19	0.00	0.00		2.02	2199.34	4.09	956.11
Hempstead Lake	9174.20*	Max WS	35.19	35.19	0.00	0.00		2.24	2210.71	4.44	954.07
Hempstead Lake	9153.910	Max WS	35.19	35.19	0.00	0.00		2.46	2198.71	4.20	951.85
Hempstead Lake	9133.22*	Max WS	35.19	35.19	0.00	0.00		2.44	2265.73	4.18	958.52
Hempstead Lake	9112.54*	Max WS	35.19	35.19	0.00	0.00		2.35	2265.91	4.05	964.89
Hempstead Lake	9091.85*	Max WS	35.19	35.19	0.00	0.00		2.28	2266.08	3.93	971.61
Hempstead Lake	9071.17*	Max WS	35.19	35.19	0.00	0.00		2.20	2266.25	3.80	978.36
Hempstead Lake	9050.49*	Max WS	35.19	35.19	0.00	0.00		2.13	2278.17	3.70	984.94
Hempstead Lake	9029.80*	Max WS	35.19	35.19	0.00	0.00		2.05	2278.36	3.58	991.84
Hempstead Lake	9009.12*	Max WS	35.19	35.19	0.00	0.00		1.98	2278.52	3.46	998.60
Hempstead Lake	8988.44*	Max WS	35.19	35.19	0.00	0.00		1.91	2290.21	3.36	1005.32
Hempstead Lake	8967.75*	Max WS	35.19	35.19	0.00	0.00		1.84	2290.40	3.23	1012.29
Hempstead Lake	8947.07*	Max WS	35.19	35.19	0.00	0.00		1.77	2290.57	3.11	1019.32
Hempstead Lake	8926.39*	Max WS	35.19	35.19	0.00	0.00		1.70	2290.74	2.99	1026.06
Hempstead Lake	8905.70*	Max WS	35.19	35.19	0.00	0.00		1.69	2302.03	2.98	1033.22
Hempstead Lake	8885.02*	Max WS	35.19	35.19	0.00	0.00		1.62	2302.21	2.86	1040.44
Hempstead Lake	8864.33*	Max WS	35.19	35.19	0.00	0.00		1.55	2302.38	2.74	1047.55
Hempstead Lake	8843.65*	Max WS	35.19	35.19	0.00	0.00		1.48	2302.54	2.62	1054.85
Hempstead Lake	8822.97*	Max WS	35.19	35.19	0.00	0.00		1.42	2313.69	2.51	1062.37
Hempstead Lake	8802.28*	Max WS	35.19	35.18	0.00	0.00		1.35	2313.85	2.39	1069.85
Hempstead Lake	8781.60*	Max WS	35.19	35.18	0.00	0.00		1.28	2314.01	2.27	1077.93
Hempstead Lake	8760.92*	Max WS	35.19	35.18	0.00	0.00		1.23	2324.78	2.17	1086.02
Hempstead Lake	8740.23*	Max WS	35.19	35.18	0.00	0.00		1.17	2335.17	2.07	1094.12
Hempstead Lake	8719.55*	Max WS	35.19	35.18	0.00	0.00		1.11	2335.33	1.95	1102.92
Hempstead Lake	8698.86*	Max WS	35.18	35.18	0.00	0.00		1.05	2345.28	1.85	1112.39
Hempstead Lake	8678.18*	Max WS	35.18	35.18	0.00	0.00		0.99	2345.43	1.74	1122.31
Hempstead Lake	8657.50*	Max WS	35.18	35.18	0.00	0.00		0.94	2354.96	1.64	1133.00
Hempstead Lake	8636.81*	Max WS	35.18	35.18	0.00	0.00		0.88	2355.09	1.53	1144.90
Hempstead Lake	8616.13*	Max WS	35.18	35.18	0.00	0.00		0.84	2364.16	1.42	1157.84
Hempstead Lake	8595.45*	Max WS	35.18	35.18	0.00	0.00		0.80	2364.28	1.32	1172.40
Hempstead Lake	8574.76*	Max WS	35.18	35.18	0.00	0.00		0.73	2372.85	1.22	1199.83
Hempstead Lake	8554.08*	Max WS	35.18	35.18	0.00	0.00		0.64	2380.93	1.13	1265.80
Hempstead Lake	8533.39*	Max WS	35.18	35.18	0.00	0.00		0.65	2380.99	1.03	1348.56
Hempstead Lake	8512.71*	Max WS	35.18	35.18	0.00	0.00		0.81	2388.34	0.94	1382.08
Hempstead Lake	8492.03*	Max WS	35.18	35.18	0.00	0.00		1.01	2395.10	0.85	1414.92
Hempstead Lake	8471.34*	Max WS	35.18	35.18	0.00	0.00		1.24	2394.93	0.76	1456.90
Hempstead Lake	8450.66*	Max WS	35.18	35.18	0.00	0.00		1.52	2401.06	0.67	1502.29
Hempstead Lake	8429.980	Max WS	35.18	35.18	0.00	0.00		1.85	2406.61	0.58	1539.76
Hempstead Lake	8416.34*	Max WS	35.18	35.18	0.00	0.00		1.74	2406.71	0.59	1538.26
Hempstead Lake	8402.71*	Max WS	35.18	35.18	0.00	0.00		1.65	2412.04	0.59	1533.84
Hempstead Lake	8389.07*	Max WS	35.18	35.18	0.00	0.00		1.55	2412.13	0.59	1528.70

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8375.44*	Max WS	35.18	35.18	0.00	0.00		1.48	2412.18	0.59	1518.39
Hempstead Lake	8361.81*	Max WS	35.18	35.18	0.00	0.00		1.43	2416.95	0.59	1502.72
Hempstead Lake	8348.17*	Max WS	35.18	35.18	0.00	0.00		1.39	2416.97	0.59	1487.89
Hempstead Lake	8334.54*	Max WS	35.18	35.18	0.00	0.00		1.36	2424.70	0.59	1470.52
Hempstead Lake	8320.91*	Max WS	35.18	35.18	0.00	0.00		1.34	2424.71	0.59	1456.47
Hempstead Lake	8307.27*	Max WS	35.18	35.18	0.00	0.00		1.31	2424.73	0.59	1447.79
Hempstead Lake	8293.64*	Max WS	35.18	35.18	0.00	0.00		1.30	2427.73	0.60	1438.75
Hempstead Lake	8280.00*	Max WS	35.18	35.18	0.00	0.00		1.27	2430.09	0.60	1435.67
Hempstead Lake	8266.37*	Max WS	35.18	35.18	0.00	0.00		1.25	2430.09	0.60	1431.51
Hempstead Lake	8252.74*	Max WS	35.18	35.18	0.00	0.00		1.25	2430.08	0.60	1424.46
Hempstead Lake	8239.10*	Max WS	35.18	35.18	0.00	0.00		1.25	2431.82	0.60	1418.78
Hempstead Lake	8225.47*	Max WS	35.18	35.18	0.00	0.00		1.25	2432.89	0.60	1414.91
Hempstead Lake	8211.84*	Max WS	35.18	35.18	0.00	0.00		1.26	2432.86	0.60	1411.12
Hempstead Lake	8198.20*	Max WS	35.18	35.18	0.00	0.00		1.25	2433.33	0.60	1408.08
Hempstead Lake	8184.57*	Max WS	35.18	35.18	0.00	0.00		1.26	2433.12	0.60	1405.67
Hempstead Lake	8170.93*	Max WS	35.18	35.18	0.00	0.00		1.28	2432.29	0.60	1402.05
Hempstead Lake	8157.30*	Max WS	35.18	35.18	0.00	0.00		1.30	2430.84	0.60	1398.88
Hempstead Lake	8143.67*	Max WS	35.18	35.18	0.00	0.00		1.32	2432.24	0.60	1397.69
Hempstead Lake	8130.03*	Max WS	35.18	35.18	0.00	0.00		1.34	2430.78	0.60	1395.13
Hempstead Lake	8116.40*	Max WS	35.18	35.18	0.00	0.00		1.36	2428.73	0.60	1394.72
Hempstead Lake	8102.76*	Max WS	35.18	35.18	0.00	0.00		1.38	2428.69	0.60	1394.59
Hempstead Lake	8089.13*	Max WS	35.18	35.18	0.00	0.00		1.40	2426.05	0.60	1393.32
Hempstead Lake	8075.50*	Max WS	35.18	35.18	0.00	0.00		1.43	2426.01	0.60	1393.45
Hempstead Lake	8061.86*	Max WS	35.18	35.18	0.00	0.00		1.45	2422.79	0.60	1396.43
Hempstead Lake	8048.23*	Max WS	35.18	35.18	0.00	0.00		1.47	2422.75	0.60	1424.50
Hempstead Lake	8034.6*	Max WS	35.18	35.18	0.00	0.00		1.50	2418.96	0.60	1451.80
Hempstead Lake	8020.96*	Max WS	35.18	35.18	0.00	0.00		1.53	2414.63	0.60	1469.87
Hempstead Lake	8007.33*	Max WS	35.18	35.18	0.00	0.00		1.56	2414.59	0.60	1491.27
Hempstead Lake	7993.69*	Max WS	35.18	35.18	0.00	0.00		1.59	2414.54	0.60	1514.56
Hempstead Lake	7980.06*	Max WS	35.18	35.18	0.00	0.00		1.63	2414.47	0.60	1538.73
Hempstead Lake	7966.43*	Max WS	35.18	35.18	0.00	0.00		1.67	2409.63	0.60	1556.40
Hempstead Lake	7952.79*	Max WS	35.18	35.18	0.00	0.00		1.71	2404.30	0.60	1572.23
Hempstead Lake	7939.16*	Max WS	35.18	35.18	0.00	0.00		1.77	2404.23	0.60	1589.82
Hempstead Lake	7925.53*	Max WS	35.18	35.18	0.00	0.00		1.82	2398.41	0.59	1606.99
Hempstead Lake	7911.89*	Max WS	35.18	35.18	0.00	0.00		1.88	2398.34	0.59	1630.17
Hempstead Lake	7898.26*	Max WS	35.18	35.18	0.00	0.00		1.94	2398.26	0.59	1655.25
Hempstead Lake	7884.62*	Max WS	35.18	35.18	0.00	0.00		2.01	2398.17	0.59	1696.67
Hempstead Lake	7870.99*	Max WS	35.18	35.18	0.00	0.00		2.09	2391.91	0.59	1730.57
Hempstead Lake	7857.36*	Max WS	35.18	35.18	0.00	0.00		2.18	2391.79	0.59	1764.24
Hempstead Lake	7843.72*	Max WS	35.18	35.18	0.00	0.00		2.28	2391.66	0.59	1800.47
Hempstead Lake	7830.09*	Max WS	35.18	35.18	0.00	0.00		2.38	2384.98	0.59	1856.72
Hempstead Lake	7816.45*	Max WS	35.18	35.18	0.00	0.00		2.51	2377.84	0.59	1903.96
Hempstead Lake	7802.82*	Max WS	35.18	35.18	0.00	0.00		2.65	2384.67	0.59	1964.06
Hempstead Lake	7789.19*	Max WS	35.18	35.18	0.00	0.00		2.83	2384.47	0.59	2020.25
Hempstead Lake	7775.55*	Max WS	35.18	35.18	0.00	0.00		3.02	2377.32	0.59	2072.34
Hempstead Lake	7761.92*	Max WS	35.18	35.18	0.00	0.00		3.21	2377.11	0.59	2133.61
Hempstead Lake	7748.29*	Max WS	35.18	35.18	0.00	0.00		3.43	2376.87	0.59	2214.01
Hempstead Lake	7734.65*	Max WS	35.18	35.18	0.00	0.00		3.23	2369.82	0.59	2813.98
Hempstead Lake	7721.02*	Max WS	35.18	35.18	0.00	0.00		3.73	2369.30	0.59	2821.31
Hempstead Lake	7707.38*	Max WS	35.18	35.18	0.00	0.00		4.24	2368.77	0.58	2829.05
Hempstead Lake	7693.75*	Max WS	35.18	35.18	0.00	0.00		4.83	2360.67	0.58	2836.77
Hempstead Lake	7680.12*	Max WS	35.18	35.18	0.00	0.00		5.46	2367.50	0.58	2844.71
Hempstead Lake	7666.48*	Max WS	35.18	35.18	0.00	0.00		6.14	2359.35	0.58	2852.39
Hempstead Lake	7652.85*	Max WS	35.18	35.18	0.00	0.00		6.86	2366.01	0.58	2860.29
Hempstead Lake	7639.22*	Max WS	35.18	35.18	0.00	0.00		7.62	2357.86	0.58	2868.50
Hempstead Lake	7625.58*	Max WS	35.18	35.18	0.00	0.00		8.44	2357.01	0.58	2877.62
Hempstead Lake	7611.95*	Max WS	35.18	35.18	0.00	0.00		9.25	2356.17	0.58	2886.16
Hempstead Lake	7598.31*	Max WS	35.18	35.18	0.00	0.00		10.12	2355.26	0.58	2894.03
Hempstead Lake	7584.68*	Max WS	35.18	35.18	0.00	0.00		10.97	2346.84	0.58	2903.69
Hempstead Lake	7571.05*	Max WS	35.18	35.18	0.00	0.00		11.91	2345.89	0.58	2912.81
Hempstead Lake	7557.41*	Max WS	35.18	35.18	0.00	0.00		12.84	2344.95	0.58	2922.62
Hempstead Lake	7543.783	Max WS	35.18	35.18	0.00	0.00		14.04	2351.10	0.59	2932.50
Hempstead Lake	7530.03*	Max WS	35.18	35.18	0.00	0.00		15.24	2363.07	0.70	2943.33
Hempstead Lake	7516.28*	Max WS	35.18	35.18	0.00	0.00		16.11	2362.11	0.75	2953.31
Hempstead Lake	7502.53*	Max WS	35.18	35.18	0.00	0.00		17.00	2361.14	0.80	2964.35
Hempstead Lake	7488.79*	Max WS	35.18	35.18	0.00	0.00		17.91	2360.12	0.85	2974.72
Hempstead Lake	7475.04*	Max WS	35.18	35.18	0.00	0.00		18.86	2359.06	0.91	2985.22
Hempstead Lake	7461.29*	Max WS	35.18	35.18	0.00	0.00		19.76	2350.57	0.96	2996.01
Hempstead Lake	7447.54*	Max WS	35.18	35.18	0.00	0.00		20.80	2356.84	1.02	3007.79
Hempstead Lake	7433.79*	Max WS	35.18	35.18	0.00	0.00		21.75	2348.43	1.08	3017.36
Hempstead Lake	7420.04*	Max WS	35.18	35.18	0.00	0.00		22.77	2347.30	1.14	3029.47
Hempstead Lake	7406.3*	Max WS	35.18	35.18	0.00	0.00		23.83	2346.13	1.21	3040.89

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7392.55*	Max WS	35.18	35.18	0.00	0.00		24.85	2337.49	1.27	3052.43
Hempstead Lake	7378.80*	Max WS	35.18	35.18	0.00	0.00		26.03	2343.69	1.34	3063.40
Hempstead Lake	7365.05*	Max WS	35.18	35.18	0.00	0.00		27.07	2335.12	1.41	3075.97
Hempstead Lake	7351.30*	Max WS	35.18	35.18	0.00	0.00		28.30	2341.17	1.48	3088.90
Hempstead Lake	7337.55*	Max WS	35.18	35.18	0.00	0.00		29.45	2339.86	1.55	3099.72
Hempstead Lake	7323.81*	Max WS	35.18	35.18	0.00	0.00		30.53	2331.40	1.62	3113.05
Hempstead Lake	7310.06*	Max WS	35.18	35.18	0.00	0.00		31.75	2330.07	1.69	3126.60
Hempstead Lake	7296.31*	Max WS	35.18	35.18	0.00	0.00		32.96	2328.74	1.77	3139.03
Hempstead Lake	7282.56*	Max WS	35.18	35.18	0.00	0.00		34.21	2327.37	1.85	3152.65
Hempstead Lake	7268.81*	Max WS	35.19	35.18	0.00	0.00		35.49	2325.98	1.92	3168.05
Hempstead Lake	7255.06*	Max WS	35.19	35.18	0.00	0.00		36.76	2324.58	2.00	3196.92
Hempstead Lake	7241.32*	Max WS	35.19	35.18	0.00	0.00		37.97	2316.09	2.08	3223.37
Hempstead Lake	7227.57*	Max WS	35.19	35.18	0.00	0.00		39.40	2321.65	2.17	3247.41
Hempstead Lake	7213.82*	Max WS	35.19	35.18	0.00	0.00		40.72	2320.17	2.25	3266.79
Hempstead Lake	7200.07*	Max WS	35.19	35.18	0.00	0.00		41.93	2311.88	2.33	3289.32
Hempstead Lake	7186.32*	Max WS	35.19	35.18	0.00	0.00		43.44	2317.11	2.42	3309.45
Hempstead Lake	7172.57*	Max WS	35.19	35.18	0.00	0.00		44.81	2315.55	2.50	3335.40
Hempstead Lake	7158.83*	Max WS	35.19	35.18	0.00	0.00		46.07	2307.44	2.58	3362.70
Hempstead Lake	7145.08*	Max WS	35.19	35.19	0.00	0.00		47.44	2305.95	2.67	3394.29
Hempstead Lake	7131.33*	Max WS	35.19	35.19	0.00	0.00		48.85	2304.42	2.75	3413.43
Hempstead Lake	7117.58*	Max WS	35.19	35.19	0.00	0.00		50.40	2309.20	2.85	3426.52
Hempstead Lake	7103.83*	Max WS	35.19	35.19	0.00	0.00		51.69	2301.31	2.94	3441.31
Hempstead Lake	7090.08*	Max WS	35.19	35.19	0.00	0.00		51.47	2301.39	2.94	3456.73
Hempstead Lake	7076.34*	Max WS	35.19	35.19	0.00	0.00		52.88	2299.68	3.03	3472.12
Hempstead Lake	7062.59*	Max WS	35.19	35.19	0.00	0.00		53.90	2298.35	3.11	3487.95
Hempstead Lake	7048.84*	Max WS	35.19	35.19	0.00	0.00		55.28	2296.61	3.20	3505.24
Hempstead Lake	7035.09*	Max WS	35.19	35.19	0.00	0.00		56.71	2294.82	3.29	3531.98
Hempstead Lake	7021.34*	Max WS	35.19	35.19	0.00	0.00		57.99	2288.01	3.38	3560.35
Hempstead Lake	7007.6*	Max WS	35.19	35.19	0.00	0.00		59.48	2291.31	3.47	3591.82
Hempstead Lake	6993.85*	Max WS	35.19	35.19	0.00	0.00		60.83	2289.54	3.57	3628.19
Hempstead Lake	6980.10*	Max WS	35.19	35.19	0.00	0.00		62.10	2283.57	3.66	3664.20
Hempstead Lake	6966.35*	Max WS	35.19	35.19	0.00	0.00		63.58	2286.00	3.75	3707.69
Hempstead Lake	6952.60*	Max WS	35.19	35.19	0.00	0.00		64.93	2280.44	3.84	3746.02
Hempstead Lake	6938.85*	Max WS	35.19	35.19	0.00	0.00		66.39	2278.80	3.93	3783.82
Hempstead Lake	6925.11*	Max WS	35.19	35.19	0.00	0.00		62.87	2282.14	4.03	3803.01
Hempstead Lake	6911.36*	Max WS	35.19	35.19	0.00	0.00		64.66	2280.23	4.13	3807.16
Hempstead Lake	6897.61*	Max WS	35.19	35.19	0.00	0.00		66.42	2278.35	4.22	3811.31
Hempstead Lake	6883.86*	Max WS	35.19	35.19	0.00	0.00		68.21	2276.43	4.32	3815.47
Hempstead Lake	6870.11*	Max WS	35.19	35.19	0.00	0.00		70.04	2274.47	4.41	3819.62
Hempstead Lake	6856.36*	Max WS	35.19	35.19	0.00	0.00		71.87	2272.50	4.50	3823.77
Hempstead Lake	6842.62*	Max WS	35.19	35.19	0.00	0.00		73.69	2270.53	4.59	3827.92
Hempstead Lake	6828.87*	Max WS	35.19	35.19	0.00	0.00		75.56	2268.52	4.69	3832.08
Hempstead Lake	6815.12*	Max WS	35.19	35.19	0.00	0.00		77.42	2266.52	4.78	3836.23
Hempstead Lake	6801.37*	Max WS	35.19	35.19	0.00	0.00		79.30	2264.49	4.88	3840.38
Hempstead Lake	6787.62*	Max WS	35.19	35.19	0.00	0.00		81.17	2262.46	4.97	3844.54
Hempstead Lake	6773.87*	Max WS	35.19	35.19	0.00	0.00		84.09	2259.33	5.12	3848.69
Hempstead Lake	6760.13*	Max WS	35.19	35.19	0.00	0.00		86.06	2257.19	5.22	3852.84
Hempstead Lake	6746.38*	Max WS	35.19	35.19	0.00	0.00		88.06	2255.01	5.32	3857.00
Hempstead Lake	6732.634	Max WS	35.19	35.19	0.00	0.00		88.72	2246.36	13.17	3861.15
Hempstead Lake	6718.98*	Max WS	35.19	35.19	0.00	0.00		104.78	2238.09	5.18	3855.10
Hempstead Lake	6705.33*	Max WS	35.19	35.19	0.00	0.00		107.68	2235.06	5.11	3849.04
Hempstead Lake	6691.68*	Max WS	35.19	35.19	0.00	0.00		110.15	2232.52	4.97	3840.46
Hempstead Lake	6678.03*	Max WS	35.19	35.19	0.00	0.00		111.74	2229.84	4.83	3824.14
Hempstead Lake	6664.38*	Max WS	35.19	35.19	0.00	0.00		114.46	2227.95	4.76	3810.84
Hempstead Lake	6650.72*	Max WS	35.19	35.19	0.00	0.00		117.22	2225.07	4.62	3798.10
Hempstead Lake	6637.07*	Max WS	35.19	35.19	0.00	0.00		119.80	2222.36	4.47	3785.85
Hempstead Lake	6623.42*	Max WS	35.19	35.19	0.00	0.00		122.77	2219.23	4.40	3772.99
Hempstead Lake	6609.77*	Max WS	35.19	35.19	0.00	0.00		125.84	2216.02	4.25	3761.47
Hempstead Lake	6596.12*	Max WS	35.19	35.19	0.00	0.00		129.02	2212.70	4.11	3750.33
Hempstead Lake	6582.47*	Max WS	35.19	35.19	0.00	0.00		131.39	2210.15	4.02	3739.52
Hempstead Lake	6568.82*	Max WS	35.19	35.19	0.00	0.00		135.76	2206.95	3.87	3727.55
Hempstead Lake	6555.17*	Max WS	35.19	35.19	0.00	0.00		139.41	2203.42	3.72	3717.32
Hempstead Lake	6541.52*	Max WS	35.19	35.19	0.00	0.00		142.17	2200.71	3.64	3707.94
Hempstead Lake	6527.87*	Max WS	35.19	35.19	0.00	0.00		145.90	2195.04	3.48	3698.88
Hempstead Lake	6514.22*	Max WS	35.19	35.19	0.00	0.00		149.97	2190.78	3.32	3689.37
Hempstead Lake	6500.57*	Max WS	35.19	35.19	0.00	0.00		154.54	2186.03	3.17	3680.90
Hempstead Lake	6486.91*	Max WS	35.19	35.19	0.00	0.00		158.96	2181.40	3.07	3672.21
Hempstead Lake	6473.26*	Max WS	35.19	35.19	0.00	0.00		163.54	2176.67	2.91	3664.00
Hempstead Lake	6459.61*	Max WS	35.19	35.19	0.00	0.00		167.68	2176.03	2.75	3655.06
Hempstead Lake	6445.96*	Max WS	35.19	35.19	0.00	0.00		172.41	2167.39	2.64	3647.13
Hempstead Lake	6432.31*	Max WS	35.19	35.19	0.00	0.00		179.80	2164.11	2.49	3638.76
Hempstead Lake	6418.66*	Max WS	35.19	35.19	0.00	0.00		184.13	2155.32	2.32	3631.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6405.01*	Max WS	35.19	35.19	0.00	0.00		190.37	2153.73	2.21	3622.60
Hempstead Lake	6391.36*	Max WS	35.19	35.19	0.00	0.00		196.47	2147.75	2.04	3615.04
Hempstead Lake	6377.71*	Max WS	35.19	35.19	0.00	0.00		202.45	2136.29	1.88	3607.54
Hempstead Lake	6364.06*	Max WS	35.19	35.19	0.00	0.00		211.48	2132.91	1.76	3599.49
Hempstead Lake	6350.41*	Max WS	35.19	35.19	0.00	0.00		218.76	2125.73	1.60	3592.11
Hempstead Lake	6336.76*	Max WS	35.19	35.19	0.00	0.00		225.81	2112.37	1.44	3584.45
Hempstead Lake	6323.11*	Max WS	35.19	35.19	0.00	0.00		232.76	2105.19	1.32	3576.62
Hempstead Lake	6309.45*	Max WS	35.19	35.19	0.00	0.00		241.27	2096.47	1.16	3569.39
Hempstead Lake	6295.80*	Max WS	35.19	35.19	0.00	0.00		254.51	2083.01	1.00	3562.19
Hempstead Lake	6282.15*	Max WS	35.19	35.18	0.00	0.00		263.28	2073.96	0.88	3554.52
Hempstead Lake	6268.507	Max WS	35.19	35.18	0.00	0.00		275.59	2061.56	0.63	3547.22
Hempstead Lake	6259.72*	Max WS	35.19	35.18	0.00	0.00		209.89	2127.27	0.43	3343.48
Hempstead Lake	6250.93*	Max WS	35.19	35.18	0.00	0.00		160.27	2176.87	0.29	3140.10
Hempstead Lake	6242.14*	Max WS	35.19	35.18	0.00	0.00		119.97	2225.74	0.19	2936.52
Hempstead Lake	6233.35*	Max WS	35.19	35.18	0.00	0.00		87.98	2249.03	0.12	2732.79
Hempstead Lake	6224.57*	Max WS	35.19	35.18	0.00	0.00		63.26	2282.55	0.07	2529.48
Hempstead Lake	6215.78*	Max WS	35.19	35.18	0.00	0.00		43.30	2293.54	0.04	2325.79
Hempstead Lake	6206.99*	Max WS	35.19	35.18	0.00	0.00		28.21	2308.53	0.02	2118.66
Hempstead Lake	6198.21*	Max WS	35.18	35.18	0.00	0.00		17.14	2319.54	0.00	1899.14
Hempstead Lake	6189.42*	Max WS	35.18	35.18	0.00	0.00		8.85	2327.10	0.66	1869.45
Hempstead Lake	6180.638	Max WS	35.18	35.18	0.00	0.00		3.70	2332.87	0.01	1541.19
Hempstead Lake	6177.638	Max WS	35.18	35.18	0.00			5.00	2340.86	0.01	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	32.17	32.15	0.02	0.01		351.42	11753.21	219.11	1425.20
Hempstead Lake	5930.638	Max WS	32.06	32.04	0.02	0.01		538.68	11501.63	283.26	1541.19
Hempstead Lake	5880.638	Max WS	31.96	31.94	0.02	0.01		726.81	11231.01	365.55	1541.19
Hempstead Lake	5830.638	Max WS	31.85	31.84	0.02	0.01		762.41	11078.28	482.49	1541.19
Hempstead Lake	5780.638	Max WS	31.68	31.66	0.02	0.01		868.85	10852.72	601.43	1541.19
Hempstead Lake	5730.638	Max WS	31.50	31.48	0.02	0.01		1039.61	10220.68	1062.48	1541.19
Hempstead Lake	5680.638	Max WS	31.42	31.40	0.01	0.01		1120.67	9739.20	1462.65	1541.19
Hempstead Lake	5630.638	Max WS	25.89	25.81	0.08	0.06		359.02	9281.33	2681.94	1292.46
Hempstead Lake	5580.638	Max WS	25.79	25.72	0.07	0.06		623.69	9320.28	2378.07	1298.80
Hempstead Lake	5530.638	Max WS	25.49	25.42	0.07	0.07		722.15	9436.77	2163.01	1287.14
Hempstead Lake	5480.638	Max WS	25.00	24.92	0.08	0.12		650.91	9584.28	2066.33	1270.97
Hempstead Lake	5430.638	Max WS	24.21	24.08	0.12	0.10		510.74	9598.49	2158.23	1257.39
Hempstead Lake	5380.638	Max WS	23.62	23.44	0.18	0.13		199.29	10938.47	1107.02	1223.38
Hempstead Lake	5330.638	Max WS	22.97	22.80	0.17	0.12		445.75	9418.04	1995.51	1206.32
Hempstead Lake	5307.48*	Max WS	22.71	22.56	0.15	0.09		347.61	9953.88	1415.84	1222.49
Hempstead Lake	5284.32*	Max WS	22.62	22.49	0.13	0.07		304.40	10326.33	1038.16	1226.99
Hempstead Lake	5261.17*	Max WS	22.55	22.44	0.11	0.05		271.97	10528.33	849.35	1212.88
Hempstead Lake	5238.01*	Max WS	22.50	22.40	0.10	0.04		250.15	10649.30	736.83	1200.84
Hempstead Lake	5214.85*	Max WS	22.46	22.38	0.08	0.03		237.38	10733.87	651.35	1198.93
Hempstead Lake	5191.70*	Max WS	22.43	22.36	0.07	0.02		231.36	10801.16	583.13	1200.88
Hempstead Lake	5168.54*	Max WS	22.41	22.35	0.06	0.02		229.89	10852.07	526.73	1204.13
Hempstead Lake	5145.39*	Max WS	22.40	22.34	0.06	0.01		232.48	10889.71	479.53	1207.87
Hempstead Lake	5122.23*	Max WS	22.38	22.33	0.05	0.01		239.53	10912.38	442.86	1211.05
Hempstead Lake	5099.07*	Max WS	22.37	22.33	0.05	0.00		252.05	10931.11	411.61	1214.33
Hempstead Lake	5075.922	Max WS	22.37	22.32	0.04	0.00		119.32	11305.99	169.39	1218.28
Hempstead Lake	5055.96*	Max WS	22.36	22.32	0.04	0.00		233.94	11056.78	303.93	1207.67
Hempstead Lake	5036.01*	Max WS	22.36	22.32	0.04	0.00		197.07	11135.45	262.10	1186.13
Hempstead Lake	5016.05*	Max WS	22.35	22.32	0.03	0.00		166.28	11192.94	228.69	1180.43
Hempstead Lake	4996.10*	Max WS	22.35	22.32	0.03	0.00		136.28	11262.85	195.36	1179.13
Hempstead Lake	4976.14*	Max WS	22.35	22.32	0.03	0.00		111.73	11315.86	166.84	1179.71
Hempstead Lake	4956.192	Max WS	22.35	22.32	0.03	0.00		61.19	11416.67	116.53	1181.47
Hempstead Lake	4936.44*	Max WS	22.35	22.33	0.02	0.00		132.74	11325.47	136.11	1179.68
Hempstead Lake	4916.69*	Max WS	22.35	22.33	0.02	0.00		156.90	11286.49	150.88	1176.05
Hempstead Lake	4896.94*	Max WS	22.35	22.33	0.02	0.00		182.99	11243.11	168.13	1171.42
Hempstead Lake	4877.19*	Max WS	22.35	22.33	0.02	0.00		204.60	11207.08	182.50	1166.42
Hempstead Lake	4857.44*	Max WS	22.34	22.33	0.02	0.00		233.47	11161.06	199.60	1161.72
Hempstead Lake	4837.697	Max WS	22.34	22.33	0.02	0.00		104.10	11336.48	153.50	1155.73
Hempstead Lake	4817.64*	Max WS	22.34	22.33	0.01	0.00		350.23	11108.56	197.40	1150.44
Hempstead Lake	4797.59*	Max WS	22.34	22.33	0.01	0.00		374.93	11097.25	177.93	1145.05
Hempstead Lake	4777.53*	Max WS	22.34	22.32	0.01	0.00		400.19	11089.83	160.08	1139.32
Hempstead Lake	4757.48*	Max WS	22.34	22.32	0.01	0.00		431.14	11075.19	143.76	1133.59
Hempstead Lake	4737.42*	Max WS	22.34	22.32	0.01	0.00		457.18	11064.21	128.66	1127.32
Hempstead Lake	4717.37*	Max WS	22.33	22.32	0.01	0.00		484.01	11051.01	115.01	1121.03
Hempstead Lake	4697.32*	Max WS	22.33	22.32	0.01	0.00		510.99	11036.61	102.39	1114.56
Hempstead Lake	4677.26*	Max WS	22.33	22.32	0.01	0.00		543.75	11015.31	90.89	1107.99
Hempstead Lake	4657.21*	Max WS	22.33	22.32	0.01	0.00		579.33	10989.96	80.62	1101.30
Hempstead Lake	4637.16*	Max WS	22.33	22.32	0.01	0.00		607.70	10965.03	71.49	1094.15
Hempstead Lake	4617.10*	Max WS	22.33	22.31	0.01	0.00		635.97	10944.76	63.49	1086.24
Hempstead Lake	4597.05*	Max WS	22.33	22.31	0.01	0.00		664.34	10923.22	56.65	1077.84

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4577.*	Max WS	22.33	22.31	0.01	0.00		704.89	10888.73	50.58	1071.42
Hempstead Lake	4556.94*	Max WS	22.32	22.31	0.01	0.00		734.86	10864.37	44.94	1066.21
Hempstead Lake	4536.893	Max WS	22.32	22.31	0.01	0.00		421.71	11207.97	14.47	1061.31
Hempstead Lake	4516.70*	Max WS	22.32	22.31	0.01	0.00		795.11	10808.56	44.50	1059.38
Hempstead Lake	4496.51*	Max WS	22.32	22.31	0.01	0.00		799.41	10796.12	52.61	1057.58
Hempstead Lake	4476.32*	Max WS	22.32	22.31	0.01	0.00		787.17	10799.40	61.53	1055.88
Hempstead Lake	4456.14*	Max WS	22.32	22.31	0.01	0.00		790.67	10786.65	70.72	1054.29
Hempstead Lake	4435.95*	Max WS	22.32	22.31	0.01	0.00		795.00	10772.43	80.56	1053.47
Hempstead Lake	4415.76*	Max WS	22.32	22.30	0.01	0.00		780.96	10771.14	90.77	1053.83
Hempstead Lake	4395.57*	Max WS	22.32	22.30	0.01	0.00		783.69	10757.54	101.64	1054.34
Hempstead Lake	4375.38*	Max WS	22.32	22.30	0.01	0.00		769.67	10760.02	113.17	1054.44
Hempstead Lake	4355.20*	Max WS	22.31	22.30	0.01	0.00		773.82	10744.15	124.89	1054.67
Hempstead Lake	4335.01*	Max WS	22.31	22.30	0.01	0.00		778.19	10727.64	137.02	1054.55
Hempstead Lake	4314.82*	Max WS	22.31	22.30	0.01	0.00		762.97	10730.19	149.68	1055.02
Hempstead Lake	4294.63*	Max WS	22.31	22.30	0.01	0.00		767.75	10712.28	162.77	1055.09
Hempstead Lake	4274.44*	Max WS	22.31	22.30	0.01	0.00		752.50	10713.89	176.38	1055.58
Hempstead Lake	4254.26*	Max WS	22.31	22.30	0.01	0.00		757.02	10695.70	190.02	1055.46
Hempstead Lake	4234.07*	Max WS	22.31	22.30	0.01	0.00		762.20	10676.66	203.86	1055.42
Hempstead Lake	4213.88*	Max WS	22.31	22.30	0.01	0.00		746.23	10677.92	218.52	1055.53
Hempstead Lake	4193.69*	Max WS	22.31	22.30	0.01	0.00		751.39	10658.36	232.88	1055.22
Hempstead Lake	4173.50*	Max WS	22.31	22.30	0.01	0.00		735.25	10659.33	248.01	1053.68
Hempstead Lake	4153.320	Max WS	22.31	22.30	0.01	0.00		302.95	11083.78	255.81	1051.88
Hempstead Lake	4131.85*	Max WS	22.31	22.30	0.01	0.00		683.06	10692.02	271.05	1047.56
Hempstead Lake	4110.38*	Max WS	22.31	22.29	0.01	0.00		667.99	10700.05	278.04	1042.05
Hempstead Lake	4088.91*	Max WS	22.30	22.29	0.01	0.00		670.17	10691.15	284.70	1035.25
Hempstead Lake	4067.44*	Max WS	22.30	22.29	0.01	0.00		651.46	10702.20	292.30	1028.47
Hempstead Lake	4045.97*	Max WS	22.30	22.29	0.01	0.00		631.24	10710.80	299.80	1021.03
Hempstead Lake	4024.50*	Max WS	22.30	22.29	0.01	0.00		628.69	10705.92	307.23	1014.77
Hempstead Lake	4003.034	Max WS	22.30	22.29	0.01	0.00		247.31	11081.40	313.11	1010.24
Hempstead Lake	3984.01*	Max WS	22.30	22.29	0.01	0.00		498.70	10843.48	299.64	1023.43
Hempstead Lake	3964.99*	Max WS	22.30	22.29	0.01	0.00		519.56	10834.42	287.80	1042.26
Hempstead Lake	3945.97*	Max WS	22.30	22.28	0.02	0.00		533.59	10829.61	278.55	1088.18
Hempstead Lake	3926.95*	Max WS	22.30	22.28	0.02	0.00		576.08	10796.31	269.31	1121.20
Hempstead Lake	3907.93*	Max WS	22.29	22.27	0.02	0.00		623.31	10722.00	292.61	1176.50
Hempstead Lake	3888.916	Max WS	22.29	22.26	0.03	0.00		281.20	11078.08	278.62	1139.11
Hempstead Lake	3883.916	Max WS	22.29	22.25	0.03			251.32	11113.90	276.00	1144.75
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	22.25	22.20	0.04	0.00		151.33	11361.62	116.76	1150.80
Hempstead Lake	3858.916	Max WS	22.24	22.20	0.04	0.00		166.84	11338.05	124.81	1152.34
Hempstead Lake	3826.579	Max WS	22.21	22.14	0.06	0.00		253.19	11242.37	122.03	1155.49
Hempstead Lake	3821.579	Max WS	22.20	22.13	0.07			271.63	11226.54	119.42	1156.26
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	22.18	22.12	0.06	0.00		721.94	10513.53	382.12	1231.01
Hempstead Lake	3736.579	Max WS	22.18	22.12	0.06	0.00		428.85	11030.45	158.29	1235.91
Hempstead Lake	3699.46*	Max WS	22.20	22.14	0.06	0.00		468.89	10911.37	241.33	1287.24
Hempstead Lake	3662.35*	Max WS	22.19	22.14	0.05	0.00		470.59	10768.58	382.36	1298.25
Hempstead Lake	3625.24*	Max WS	22.18	22.14	0.05	0.00		461.96	10604.55	554.95	1337.28
Hempstead Lake	3588.13*	Max WS	22.18	22.14	0.04	0.00		460.35	10382.38	778.65	1380.63
Hempstead Lake	3551.028	Max WS	22.18	22.14	0.04	0.00		405.88	10286.62	928.80	1424.67
Hempstead Lake	3531.67*	Max WS	22.17	22.13	0.04	0.00		491.60	10133.28	996.36	1434.69
Hempstead Lake	3512.33*	Max WS	22.17	22.13	0.04	0.00		493.78	10246.84	877.20	1439.90
Hempstead Lake	3492.98*	Max WS	22.17	22.12	0.05	0.00		495.30	10362.82	759.70	1438.60
Hempstead Lake	3473.63*	Max WS	22.17	22.12	0.05	0.00		495.65	10474.26	647.88	1431.31
Hempstead Lake	3454.28*	Max WS	22.17	22.11	0.05	0.00		492.08	10542.82	582.86	1381.52
Hempstead Lake	3434.93*	Max WS	22.16	22.11	0.06	0.00		482.75	10641.00	493.95	1364.68
Hempstead Lake	3415.58*	Max WS	22.16	22.10	0.06	0.00		476.65	10729.55	408.34	1358.02
Hempstead Lake	3396.239	Max WS	22.16	22.10	0.06	0.00		557.10	10666.25	391.18	1352.02
Hempstead Lake	3376.88*	Max WS	22.16	22.09	0.07	0.00		498.96	10787.18	328.36	1342.85
Hempstead Lake	3357.52*	Max WS	22.15	22.09	0.07	0.00		529.57	10757.46	327.44	1332.58
Hempstead Lake	3338.16*	Max WS	22.15	22.08	0.07	0.00		561.02	10725.44	327.95	1321.46
Hempstead Lake	3318.80*	Max WS	22.15	22.08	0.07	0.00		593.36	10691.84	329.17	1311.46
Hempstead Lake	3299.44*	Max WS	22.15	22.08	0.07	0.00		627.58	10655.97	330.77	1300.55
Hempstead Lake	3280.08*	Max WS	22.14	22.07	0.07	0.00		662.57	10616.29	332.67	1291.02
Hempstead Lake	3260.73*	Max WS	22.14	22.07	0.07	0.00		697.87	10571.80	341.84	1273.90
Hempstead Lake	3241.37*	Max WS	22.14	22.07	0.07	0.00		725.43	10526.61	359.45	1247.29
Hempstead Lake	3222.01*	Max WS	22.13	22.06	0.07	0.00		763.15	10478.35	369.98	1237.41
Hempstead Lake	3202.65*	Max WS	22.13	22.06	0.07	0.00		803.53	10425.75	382.15	1226.72
Hempstead Lake	3183.29*	Max WS	22.13	22.05	0.07	0.00		844.74	10370.95	395.70	1217.27
Hempstead Lake	3163.93*	Max WS	22.12	22.05	0.07	0.00		887.25	10311.80	409.82	1224.92
Hempstead Lake	3144.581	Max WS	22.12	22.05	0.07	0.00		869.77	10340.96	398.15	1248.84
Hempstead Lake	3124.73*	Max WS	22.12	22.04	0.08	0.00		843.04	10390.22	375.58	1387.04
Hempstead Lake	3104.89*	Max WS	22.11	22.04	0.07	0.00		845.37	10391.21	372.26	1427.99

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3085.04*	Max WS	22.11	22.04	0.07	0.00		841.31	10395.10	372.39	1482.71
Hempstead Lake	3065.2*	Max WS	22.11	22.03	0.07	0.00		851.47	10382.38	374.92	1518.95
Hempstead Lake	3045.35*	Max WS	22.10	22.03	0.07	0.00		849.63	10385.00	374.10	1545.11
Hempstead Lake	3025.51*	Max WS	22.10	22.03	0.07	0.00		864.28	10362.92	381.48	1575.74
Hempstead Lake	3005.66*	Max WS	22.10	22.03	0.07	0.00		879.41	10336.98	392.24	1604.29
Hempstead Lake	2985.81*	Max WS	22.10	22.02	0.07	0.00		879.22	10331.56	397.80	1629.69
Hempstead Lake	2965.974	Max WS	22.09	22.02	0.07	0.00		948.28	10216.07	444.17	1655.44
Hempstead Lake	2951.87*	Max WS	22.09	22.02	0.07	0.00		1000.42	10148.74	459.32	1666.66
Hempstead Lake	2937.77*	Max WS	22.09	22.02	0.07	0.00		1002.15	10153.81	452.48	1674.23
Hempstead Lake	2923.67*	Max WS	22.08	22.02	0.07	0.00		1006.08	10156.19	446.12	1681.04
Hempstead Lake	2909.57*	Max WS	22.08	22.02	0.06	0.00		1012.04	10157.33	438.98	1683.58
Hempstead Lake	2895.47*	Max WS	22.08	22.01	0.06	0.00		1020.58	10155.45	432.26	1684.55
Hempstead Lake	2881.37*	Max WS	22.07	22.01	0.06	0.00		1026.16	10156.46	425.62	1686.06
Hempstead Lake	2867.27*	Max WS	22.07	22.01	0.06	0.00		1036.41	10151.73	420.06	1685.89
Hempstead Lake	2853.17*	Max WS	22.07	22.01	0.06	0.00		1042.75	10151.69	413.70	1685.06
Hempstead Lake	2839.07*	Max WS	22.07	22.01	0.06	0.00		1050.65	10155.20	402.24	1696.62
Hempstead Lake	2824.98*	Max WS	22.06	22.01	0.06	0.00		1057.87	10158.62	391.54	1710.37
Hempstead Lake	2810.88*	Max WS	22.06	22.00	0.06	0.00		1045.88	10178.12	383.96	1741.97
Hempstead Lake	2796.78*	Max WS	22.06	22.00	0.06	0.00		1046.46	10183.04	378.40	1763.97
Hempstead Lake	2782.68*	Max WS	22.06	22.00	0.06	0.00		1047.84	10195.70	364.30	1796.24
Hempstead Lake	2768.58*	Max WS	22.05	22.00	0.06	0.00		1056.02	10207.79	344.00	1848.21
Hempstead Lake	2754.48*	Max WS	22.05	22.00	0.05	0.00		1063.24	10221.27	322.24	1875.26
Hempstead Lake	2740.38*	Max WS	22.05	22.00	0.05	0.00		1067.64	10206.70	333.37	1844.07
Hempstead Lake	2726.28*	Max WS	22.05	21.99	0.05	0.00		1078.70	10186.31	342.65	1805.62
Hempstead Lake	2712.18*	Max WS	22.04	21.99	0.05	0.00		1092.26	10166.21	349.15	1762.06
Hempstead Lake	2698.08*	Max WS	22.04	21.99	0.05	0.00		1103.54	10149.52	353.68	1718.51
Hempstead Lake	2683.98*	Max WS	22.04	21.99	0.05	0.00		1115.64	10135.23	356.65	1674.95
Hempstead Lake	2669.88*	Max WS	22.04	21.99	0.05	0.00		1125.07	10124.42	357.24	1631.39
Hempstead Lake	2655.78*	Max WS	22.04	21.99	0.05	0.00		1135.20	10115.86	355.67	1587.83
Hempstead Lake	2641.68*	Max WS	22.03	21.99	0.05	0.00		1142.36	10114.02	350.99	1544.28
Hempstead Lake	2627.58*	Max WS	22.03	21.98	0.05	0.00		1146.31	10116.62	343.79	1500.72
Hempstead Lake	2613.48*	Max WS	22.03	21.98	0.05	0.00		1150.50	10122.25	334.52	1457.16
Hempstead Lake	2599.38*	Max WS	22.03	21.98	0.05	0.00		1151.94	10133.19	322.08	1413.60
Hempstead Lake	2585.29*	Max WS	22.02	21.98	0.04	0.00		1156.99	10141.21	308.51	1370.04
Hempstead Lake	2571.19*	Max WS	22.02	21.98	0.04	0.00		1155.34	10160.56	290.80	1326.49
Hempstead Lake	2557.091	Max WS	21.98	21.95	0.04	0.00		1683.25	9531.31	392.15	1282.93
Hempstead Lake	2552.091	Max WS	21.89	21.85	0.05			2034.56	9050.54	521.60	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	21.88	21.83	0.05	0.00		2102.07	9040.39	463.79	1282.93
Hempstead Lake	2487.091	Max WS	21.94	21.91	0.03	0.00		1584.71	9697.89	324.10	1282.93
Hempstead Lake	2477.12*	Max WS	21.94	21.90	0.04	0.00		1120.20	10221.91	264.58	1295.08
Hempstead Lake	2467.14*	Max WS	21.94	21.90	0.04	0.00		1161.08	10131.63	313.95	1307.22
Hempstead Lake	2457.17*	Max WS	21.93	21.89	0.04	0.00		1202.34	10035.79	368.53	1319.37
Hempstead Lake	2447.20*	Max WS	21.93	21.89	0.04	0.00		1244.72	9932.61	428.92	1331.51
Hempstead Lake	2437.23*	Max WS	21.92	21.89	0.04	0.00		1591.61	9402.82	612.20	1343.66
Hempstead Lake	2427.26*	Max WS	21.92	21.88	0.04	0.00		1626.07	9286.50	693.67	1355.81
Hempstead Lake	2417.29*	Max WS	21.91	21.88	0.04	0.00		1660.33	9166.03	780.24	1367.95
Hempstead Lake	2407.32*	Max WS	21.91	21.87	0.04	0.00		1414.50	9464.58	727.51	1380.10
Hempstead Lake	2397.35*	Max WS	21.91	21.87	0.04	0.00		1457.22	9330.94	818.08	1392.24
Hempstead Lake	2387.37*	Max WS	21.90	21.86	0.04	0.00		1498.87	9192.46	914.92	1404.39
Hempstead Lake	2377.40*	Max WS	21.90	21.86	0.04	0.00		1541.12	9048.27	1016.85	1416.54
Hempstead Lake	2367.43*	Max WS	21.90	21.86	0.04	0.00		1587.58	8890.01	1128.63	1428.68
Hempstead Lake	2357.46*	Max WS	21.90	21.86	0.04	0.00		1628.91	8733.56	1243.75	1440.83
Hempstead Lake	2347.49*	Max WS	21.89	21.85	0.04	0.00		1668.40	8564.29	1373.54	1447.19
Hempstead Lake	2337.52*	Max WS	21.89	21.85	0.04	0.00		1707.31	8384.05	1514.85	1452.17
Hempstead Lake	2327.55*	Max WS	21.89	21.85	0.04	0.00		1741.94	8180.66	1683.61	1445.35
Hempstead Lake	2317.58*	Max WS	21.89	21.85	0.04	0.00		1776.96	7981.14	1848.10	1447.80
Hempstead Lake	2307.60*	Max WS	21.89	21.85	0.04	0.00		1813.63	7780.77	2011.80	1455.31
Hempstead Lake	2297.63*	Max WS	21.88	21.85	0.04	0.00		1848.06	7578.64	2179.49	1463.26
Hempstead Lake	2287.66*	Max WS	21.88	21.85	0.04	0.00		1881.52	7371.21	2353.47	1471.10
Hempstead Lake	2277.69*	Max WS	21.88	21.85	0.04	0.00		1913.32	7159.56	2533.30	1479.06
Hempstead Lake	2267.72*	Max WS	21.88	21.84	0.04	0.00		1943.63	6943.77	2718.78	1487.25
Hempstead Lake	2257.752	Max WS	21.87	21.85	0.02	0.00		2457.91	5525.94	3622.32	1495.56
Hempstead Lake	2252.75*	Max WS	21.87	21.84	0.03	0.00		2430.78	5748.74	3426.64	1484.43
Hempstead Lake	2247.752	Max WS	21.87	21.84	0.02			2825.25	4838.77	3942.15	1441.62
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	21.76	21.68	0.07	0.00		2459.44	5393.97	3752.75	1413.32
Hempstead Lake	2192.75*	Max WS	21.76	21.69	0.08	0.00		2664.82	5713.68	3227.65	1417.51
Hempstead Lake	2187.752	Max WS	21.78	21.69	0.09	0.00		2869.72	5914.24	2822.18	1421.76
Hempstead Lake	2178.63*	Max WS	21.77	21.68	0.09	0.00		2818.44	5960.86	2826.83	1418.88
Hempstead Lake	2169.52*	Max WS	21.77	21.67	0.10	0.00		2768.60	6005.95	2831.57	1416.23
Hempstead Lake	2160.40*	Max WS	21.76	21.66	0.10	0.00		2717.93	6051.05	2837.06	1413.68

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

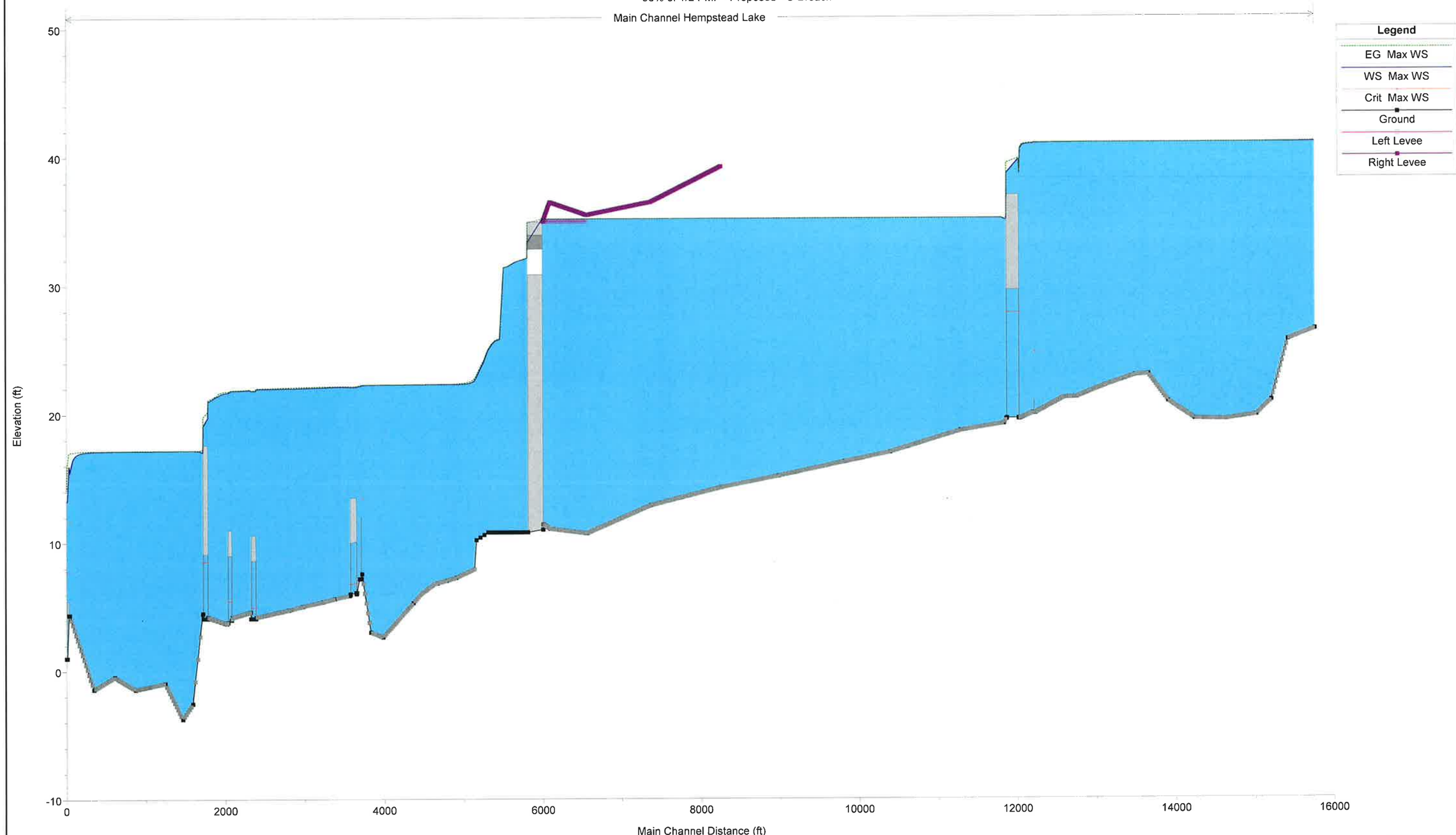
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2151.29*	Max WS	21.75	21.64	0.11	0.00		2666.55	6098.36	2841.21	1411.24
Hempstead Lake	2142.17*	Max WS	21.74	21.63	0.11	0.00		2613.44	6148.86	2843.80	1408.93
Hempstead Lake	2133.05*	Max WS	21.73	21.61	0.12	0.00		2559.28	6197.65	2849.16	1406.30
Hempstead Lake	2123.94*	Max WS	21.71	21.59	0.12	0.00		2504.62	6248.76	2852.66	1403.79
Hempstead Lake	2114.82*	Max WS	21.70	21.57	0.13	0.00		2448.39	6301.27	2856.42	1401.40
Hempstead Lake	2105.71*	Max WS	21.68	21.54	0.13	0.00		2390.50	6356.55	2859.02	1398.85
Hempstead Lake	2096.59*	Max WS	21.65	21.51	0.14	0.00		2331.82	6413.99	2860.24	1396.47
Hempstead Lake	2087.48*	Max WS	21.62	21.47	0.15	0.00		2268.71	6479.04	2858.31	1393.91
Hempstead Lake	2078.36*	Max WS	21.59	21.43	0.16	0.00		2205.89	6544.09	2856.05	1391.77
Hempstead Lake	2069.25*	Max WS	21.47	21.41	0.06	0.00		1306.30	4018.21	1738.73	1391.49
Hempstead Lake	2060.13*	Max WS	21.45	21.39	0.06	0.00		1270.45	4051.28	1740.14	1391.11
Hempstead Lake	2051.01*	Max WS	21.43	21.37	0.07	0.00		1233.56	4085.71	1741.38	1390.73
Hempstead Lake	2041.90*	Max WS	21.41	21.34	0.07	0.00		1195.13	4121.22	1743.25	1389.80
Hempstead Lake	2032.78*	Max WS	21.38	21.31	0.07	0.00		1155.26	4159.58	1743.92	1388.54
Hempstead Lake	2023.67*	Max WS	21.34	21.26	0.08	0.00		1112.77	4202.58	1742.78	1386.87
Hempstead Lake	2014.55*	Max WS	21.30	21.22	0.08	0.00		1069.51	4246.02	1742.25	1385.07
Hempstead Lake	2005.44*	Max WS	21.28	21.19	0.09	0.00		1029.02	4281.90	1746.71	1383.74
Hempstead Lake	1996.32*	Max WS	21.26	21.16	0.09	0.00		980.28	4287.01	1738.29	1382.23
Hempstead Lake	1987.20*	Max WS	21.23	21.13	0.10	0.00		938.54	4325.16	1741.69	1380.40
Hempstead Lake	1978.09*	Max WS	21.20	21.10	0.10	0.00		895.69	4365.09	1744.53	1378.42
Hempstead Lake	1968.97*	Max WS	21.17	21.06	0.11	0.00		845.79	4374.99	1738.33	1376.19
Hempstead Lake	1959.86*	Max WS	21.14	21.03	0.12	0.00		801.38	4415.92	1741.74	1373.87
Hempstead Lake	1950.747	Max WS	21.07	20.95	0.12	0.00		741.66	4451.35	1724.07	1370.07
Hempstead Lake	1945.747	Max WS	20.14	19.69	0.45			915.93	5548.70	5141.38	1241.42
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	17.45	17.31	0.14	0.01		42.16	3298.77	7597.46	1009.84
Hempstead Lake	1880.747	Max WS	17.23	17.04	0.19	0.01		3.96	8547.05	2311.27	1011.09
Hempstead Lake	1848.83*	Max WS	17.20	17.15	0.06	0.00		56.78	10064.63	772.23	1124.84
Hempstead Lake	1816.92*	Max WS	17.20	17.17	0.02	0.00		106.37	10457.54	338.46	1194.82
Hempstead Lake	1785.01*	Max WS	17.19	17.18	0.01	0.00		161.07	10540.08	201.18	1204.32
Hempstead Lake	1753.104	Max WS	17.19	17.19	0.01	0.00		87.94	10764.21	54.35	1313.15
Hempstead Lake	1732.65*	Max WS	17.19	17.19	0.01	0.00		240.63	10445.69	220.14	1348.93
Hempstead Lake	1712.21*	Max WS	17.19	17.18	0.01	0.00		252.31	10347.59	306.51	1382.27
Hempstead Lake	1691.76*	Max WS	17.19	17.18	0.01	0.00		264.14	10230.29	411.93	1412.67
Hempstead Lake	1671.32*	Max WS	17.19	17.18	0.01	0.00		277.22	10094.74	534.35	1437.89
Hempstead Lake	1650.87*	Max WS	17.19	17.18	0.01	0.00		289.87	9938.50	677.88	1459.65
Hempstead Lake	1630.434	Max WS	17.19	17.18	0.01	0.00		144.36	10120.15	641.67	1480.97
Hempstead Lake	1610.36*	Max WS	17.19	17.18	0.01	0.00		303.34	9818.69	784.10	1474.16
Hempstead Lake	1590.30*	Max WS	17.19	17.18	0.01	0.00		261.99	9912.59	731.49	1465.93
Hempstead Lake	1570.23*	Max WS	17.19	17.18	0.01	0.00		222.71	10004.39	678.92	1457.02
Hempstead Lake	1550.17*	Max WS	17.19	17.18	0.01	0.00		180.08	10098.94	626.94	1447.59
Hempstead Lake	1530.10*	Max WS	17.19	17.18	0.01	0.00		146.16	10180.94	575.23	1437.04
Hempstead Lake	1510.03*	Max WS	17.19	17.18	0.01	0.00		112.66	10273.62	516.04	1431.72
Hempstead Lake	1489.97*	Max WS	17.19	17.18	0.01	0.00		85.19	10349.41	467.71	1419.34
Hempstead Lake	1469.90*	Max WS	17.19	17.18	0.01	0.00		61.27	10422.86	418.17	1405.41
Hempstead Lake	1449.83*	Max WS	17.19	17.18	0.01	0.00		40.95	10491.41	369.92	1391.55
Hempstead Lake	1429.77*	Max WS	17.19	17.18	0.01	0.00		23.64	10555.46	323.17	1375.95
Hempstead Lake	1409.707	Max WS	17.19	17.17	0.01	0.00		2.51	10520.05	379.68	1361.56
Hempstead Lake	1389.03*	Max WS	17.18	17.17	0.02	0.00		4.59	11606.82	296.00	1351.65
Hempstead Lake	1368.35*	Max WS	17.18	17.17	0.02	0.00		6.82	11602.33	298.23	1341.70
Hempstead Lake	1347.67*	Max WS	17.18	17.17	0.02	0.00		9.26	11597.58	300.52	1332.94
Hempstead Lake	1326.99*	Max WS	17.18	17.17	0.02	0.00		11.98	11592.31	303.02	1322.31
Hempstead Lake	1306.32*	Max WS	17.18	17.17	0.02	0.00		15.38	11575.49	316.43	1312.46
Hempstead Lake	1285.64*	Max WS	17.18	17.17	0.02	0.00		18.54	11568.11	320.63	1300.85
Hempstead Lake	1264.96*	Max WS	17.18	17.17	0.02	0.00		21.76	11560.62	324.88	1290.68
Hempstead Lake	1244.28*	Max WS	17.18	17.17	0.02	0.00		25.16	11552.83	329.23	1280.97
Hempstead Lake	1223.61*	Max WS	17.18	17.17	0.02	0.00		28.16	11544.66	334.38	1275.69
Hempstead Lake	1202.93*	Max WS	17.18	17.17	0.02	0.00		31.56	11535.34	340.27	1265.77
Hempstead Lake	1182.25*	Max WS	17.18	17.17	0.02	0.00		34.75	11525.70	346.71	1257.64
Hempstead Lake	1161.57*	Max WS	17.18	17.17	0.02	0.00		37.63	11515.34	354.15	1251.25
Hempstead Lake	1140.90*	Max WS	17.18	17.17	0.02	0.00		40.84	11504.00	362.27	1241.35
Hempstead Lake	1120.22*	Max WS	17.18	17.17	0.02	0.00		45.48	11478.15	383.45	1230.35
Hempstead Lake	1099.54*	Max WS	17.18	17.16	0.02	0.00		48.24	11464.08	394.73	1221.56
Hempstead Lake	1078.87*	Max WS	17.18	17.16	0.02	0.00		49.51	11453.23	404.30	1228.73
Hempstead Lake	1058.19*	Max WS	17.18	17.16	0.02	0.00		46.93	11447.83	412.25	1314.83
Hempstead Lake	1037.515	Max WS	17.18	17.17	0.02	0.00		32.36	11129.35	745.28	1706.03
Hempstead Lake	1017.08*	Max WS	17.18	17.16	0.02	0.00		201.61	11266.48	444.67	1710.85
Hempstead Lake	996.645*	Max WS	17.18	17.16	0.02	0.00		245.14	11163.77	503.84	1725.80
Hempstead Lake	976.210*	Max WS	17.18	17.16	0.02	0.00		293.02	11068.96	550.75	1779.60
Hempstead Lake	955.775*	Max WS	17.18	17.16	0.02	0.00		347.16	10954.42	611.14	1781.75
Hempstead Lake	935.340*	Max WS	17.18	17.16	0.02	0.00		398.69	10854.08	659.94	1784.21
Hempstead Lake	914.905*	Max WS	17.18	17.16	0.02	0.00		463.02	10731.10	718.58	1792.41

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	894.471*	Max WS	17.18	17.16	0.02	0.00		539.80	10611.32	761.56	1804.80
Hempstead Lake	874.036*	Max WS	17.18	17.16	0.02	0.00		617.41	10477.22	818.05	1818.51
Hempstead Lake	853.601*	Max WS	17.18	17.16	0.02	0.00		691.39	10360.21	862.91	1835.10
Hempstead Lake	833.166*	Max WS	17.17	17.16	0.02	0.00		781.24	10206.44	926.76	1840.95
Hempstead Lake	812.731*	Max WS	17.17	17.16	0.02	0.00		890.99	10045.22	976.45	1846.51
Hempstead Lake	792.296*	Max WS	17.17	17.16	0.02	0.00		995.26	9875.64	1041.75	1851.53
Hempstead Lake	771.862	Max WS	17.17	17.16	0.02	0.00		469.22	10433.96	1011.00	1932.87
Hempstead Lake	750.331*	Max WS	17.17	17.16	0.02	0.00		959.69	9999.93	957.18	1951.93
Hempstead Lake	728.8*	Max WS	17.17	17.15	0.02	0.00		812.44	10236.79	867.49	1970.81
Hempstead Lake	707.269*	Max WS	17.17	17.15	0.02	0.00		684.99	10467.54	764.09	1990.06
Hempstead Lake	685.738*	Max WS	17.17	17.15	0.02	0.00		562.22	10692.11	662.21	2009.70
Hempstead Lake	664.207*	Max WS	17.17	17.14	0.02	0.00		447.87	10904.23	563.24	2029.38
Hempstead Lake	642.676*	Max WS	17.17	17.14	0.02	0.00		338.93	11099.62	477.83	2053.76
Hempstead Lake	621.145*	Max WS	17.16	17.14	0.03	0.00		246.96	11280.05	389.30	2077.34
Hempstead Lake	599.614*	Max WS	17.16	17.14	0.03	0.00		168.35	11439.21	308.68	2100.66
Hempstead Lake	578.083*	Max WS	17.16	17.13	0.03	0.00		103.53	11574.16	237.64	2128.58
Hempstead Lake	556.552*	Max WS	17.16	17.13	0.03	0.00		54.32	11679.54	182.26	2161.87
Hempstead Lake	535.021*	Max WS	17.16	17.13	0.03	0.00		20.73	11762.27	132.34	2181.21
Hempstead Lake	513.490	Max WS	17.16	17.13	0.03	0.00		1.65	11694.70	219.65	2202.03
Hempstead Lake	493.038*	Max WS	17.16	17.12	0.04	0.00		2.05	11802.55	115.57	1942.60
Hempstead Lake	472.587*	Max WS	17.16	17.12	0.04	0.00		1.89	11807.29	110.93	1846.92
Hempstead Lake	452.136*	Max WS	17.16	17.11	0.05	0.00		1.57	11813.44	105.05	1766.40
Hempstead Lake	431.685*	Max WS	17.16	17.10	0.06	0.00		1.21	11820.38	98.00	1690.84
Hempstead Lake	411.234*	Max WS	17.15	17.09	0.07	0.00		1.03	11830.32	88.61	1542.31
Hempstead Lake	390.783*	Max WS	17.15	17.07	0.08	0.00		0.76	11839.93	79.22	1402.38
Hempstead Lake	370.332*	Max WS	17.15	17.05	0.10	0.01		1.00	11843.12	75.75	569.75
Hempstead Lake	349.881*	Max WS	17.14	17.02	0.12	0.01		0.75	11855.55	63.52	551.84
Hempstead Lake	329.430*	Max WS	17.13	16.98	0.15	0.01		0.52	11868.44	50.84	533.51
Hempstead Lake	308.979*	Max WS	17.12	16.93	0.19	0.02		0.25	11882.32	37.19	514.05
Hempstead Lake	288.528*	Max WS	17.11	16.85	0.26	0.02		0.05	11895.92	23.77	492.86
Hempstead Lake	268.077*	Max WS	17.08	16.72	0.37	0.03			11908.49	11.21	469.13
Hempstead Lake	247.626*	Max WS	17.06	16.50	0.56	0.05			11917.98	1.69	446.83
Hempstead Lake	227.175*	Max WS	17.09	15.98	1.11	0.06			11919.65		373.47
Hempstead Lake	206.724	Max WS	17.01	15.44	1.56	0.01			11919.65		148.46
Hempstead Lake	201.724	Max WS	16.98	15.97	1.02				11919.65		167.99
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	14.11	13.26	0.85	0.00		3809.34	8110.31		150.88
Hempstead Lake	166.724	Max WS	14.11	13.26	0.85			3809.07	8110.57		150.86

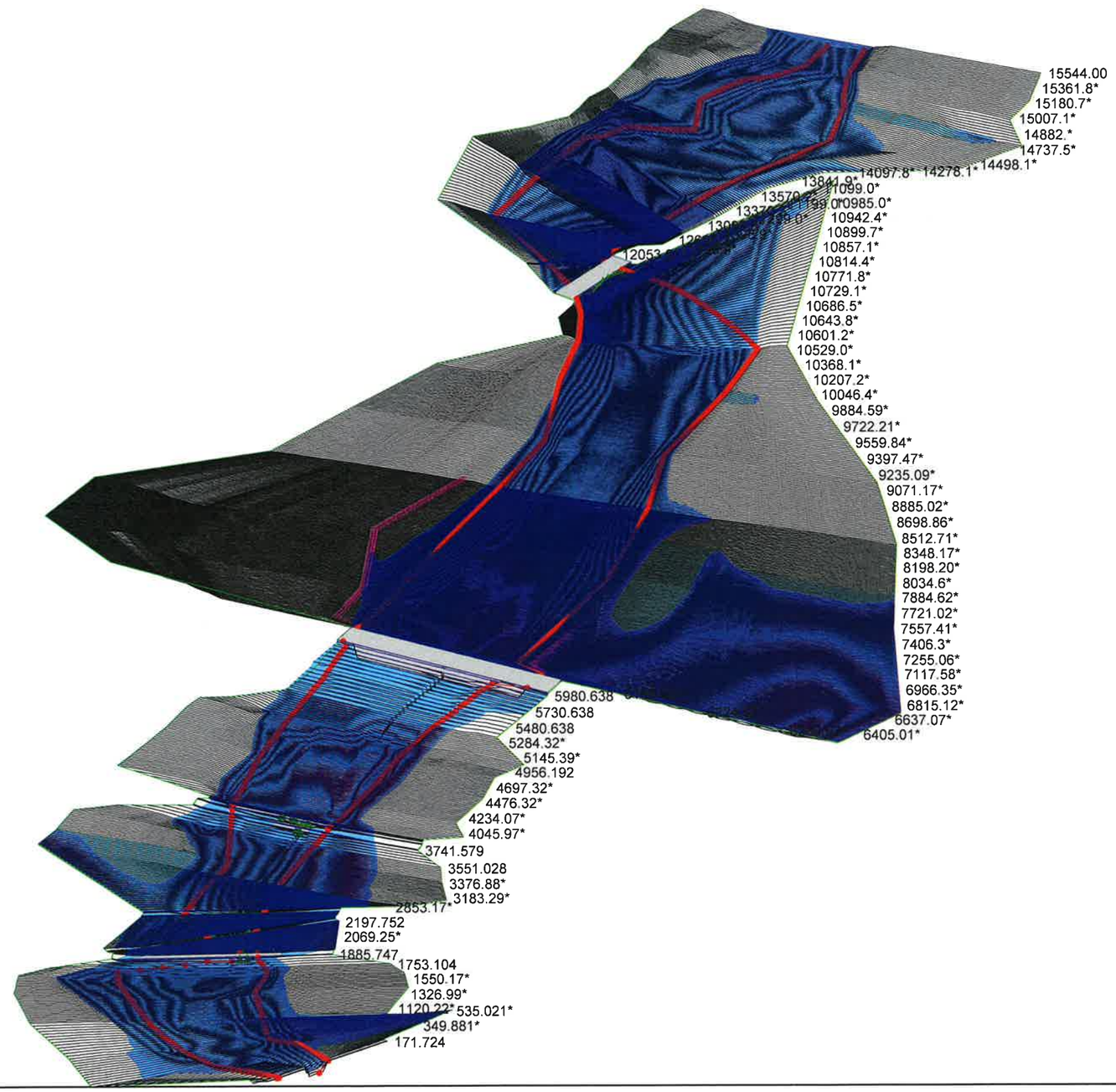
Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

90% of 1/2 PMF - Proposed - O Breach



Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

90% of 1/2 PMF - Proposed - O Breach



Legend

WS Max WS

Ground

Bank Sta

Ground

Ineff

Levee

90% Proposed Half PMF Non Breach 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	7648.15	26.48	41.05		41.08	0.000028	1.38	6553.01	746.65	0.07
Hempstead Lake	15523.7*	Max WS	7648.07	26.43	41.05		41.08	0.000146	1.31	6572.39	742.33	0.07
Hempstead Lake	15503.5*	Max WS	7647.98	26.38	41.05		41.07	0.000136	1.31	6587.69	736.73	0.07
Hempstead Lake	15483.3*	Max WS	7626.92	26.34	41.05		41.07	0.000122	1.30	6600.45	728.15	0.07
Hempstead Lake	15463.0*	Max WS	7626.88	26.29	41.05		41.07	0.000110	1.29	6612.19	717.17	0.07
Hempstead Lake	15442.8*	Max WS	7626.83	26.24	41.04		41.07	0.000101	1.29	6624.64	706.73	0.06
Hempstead Lake	15422.5*	Max WS	7626.77	26.19	41.04		41.06	0.000091	1.28	6636.32	702.51	0.06
Hempstead Lake	15402.3*	Max WS	7626.69	26.15	41.04		41.06	0.000083	1.28	6644.10	703.00	0.06
Hempstead Lake	15382.1*	Max WS	7606.08	26.10	41.04		41.06	0.000077	1.28	6649.75	704.54	0.06
Hempstead Lake	15361.8*	Max WS	7606.07	26.05	41.04		41.06	0.000069	1.28	6651.30	705.83	0.06
Hempstead Lake	15341.6*	Max WS	7606.05	26.00	41.04		41.06	0.000064	1.28	6650.01	706.71	0.06
Hempstead Lake	15321.4*	Max WS	7606.02	25.96	41.04		41.06	0.000057	1.29	6645.56	707.18	0.07
Hempstead Lake	15301.1*	Max WS	7605.98	25.91	41.04		41.06	0.000050	1.29	6638.00	707.19	0.07
Hempstead Lake	15280.9*	Max WS	7605.94	25.86	41.03		41.06	0.000046	1.29	6628.26	706.70	0.07
Hempstead Lake	15260.7*	Max WS	7605.89	25.81	41.03		41.06	0.000040	1.29	6615.92	705.58	0.07
Hempstead Lake	15240.4*	Max WS	7605.84	25.77	41.03		41.05	0.000035	1.29	6601.28	703.72	0.07
Hempstead Lake	15220.2*	Max WS	7605.78	25.72	41.03		41.05	0.000031	1.29	6584.31	701.02	0.07
Hempstead Lake	15200.02	Max WS	7605.72	25.67	41.03		41.05	0.000026	1.29	6567.23	697.16	0.07
Hempstead Lake	15180.7*	Max WS	7605.66	25.24	41.03		41.05	0.000029	1.23	6946.73	729.86	0.06
Hempstead Lake	15161.4*	Max WS	7605.61	24.82	41.04		41.05	0.000031	1.17	7351.38	759.84	0.06
Hempstead Lake	15142.1*	Max WS	7605.58	24.39	41.04		41.05	0.000032	1.10	7779.84	788.23	0.05
Hempstead Lake	15122.8*	Max WS	7605.55	23.96	41.04		41.05	0.000033	1.04	8227.75	813.52	0.05
Hempstead Lake	15103.5*	Max WS	7605.52	23.53	41.04		41.05	0.000033	0.98	8694.42	836.58	0.05
Hempstead Lake	15084.2*	Max WS	7605.50	23.11	41.04		41.05	0.000034	0.93	9179.16	858.55	0.04
Hempstead Lake	15064.9*	Max WS	7605.49	22.68	41.04		41.05	0.000033	0.87	9679.99	880.32	0.04
Hempstead Lake	15045.6*	Max WS	7605.48	22.25	41.04		41.05	0.000033	0.83	10197.29	901.83	0.04
Hempstead Lake	15026.4*	Max WS	7605.48	21.82	41.04		41.05	0.000032	0.78	10731.16	922.60	0.03
Hempstead Lake	15007.1*	Max WS	7624.19	21.40	41.04		41.05	0.000031	0.74	11279.29	943.61	0.03
Hempstead Lake	14987.82	Max WS	7624.08	20.97	41.04		41.05	0.000005	0.73	11844.16	963.78	0.03
Hempstead Lake	14966.6*	Max WS	7667.80	20.84	41.04		41.05	0.000029	0.70	12149.21	982.84	0.03
Hempstead Lake	14945.4*	Max WS	7667.68	20.72	41.04		41.05	0.000028	0.68	12459.40	1001.30	0.03
Hempstead Lake	14924.3*	Max WS	7667.54	20.59	41.04		41.05	0.000026	0.66	12780.18	1019.26	0.03
Hempstead Lake	14903.1*	Max WS	7667.40	20.46	41.04		41.05	0.000024	0.64	13107.94	1035.97	0.03
Hempstead Lake	14882.*	Max WS	7667.26	20.34	41.04		41.05	0.000022	0.62	13445.68	1052.64	0.03
Hempstead Lake	14860.8*	Max WS	7649.32	20.21	41.04		41.05	0.000021	0.60	13792.03	1069.03	0.03
Hempstead Lake	14839.6*	Max WS	7666.96	20.08	41.04		41.05	0.000020	0.58	14146.80	1085.01	0.02
Hempstead Lake	14818.5*	Max WS	7649.30	19.96	41.04		41.04	0.000018	0.57	14582.53	1318.88	0.02
Hempstead Lake	14797.35	Max WS	7649.29	19.83	41.04		41.04	0.000003	0.57	15189.61	1418.27	0.02
Hempstead Lake	14777.4*	Max WS	7649.27	19.81	41.04		41.04	0.000015	0.54	15363.45	1406.32	0.02
Hempstead Lake	14757.4*	Max WS	7666.23	19.80	41.04		41.04	0.000014	0.53	15550.86	1373.01	0.02
Hempstead Lake	14737.5*	Max WS	7649.25	19.78	41.04		41.04	0.000012	0.52	15777.08	1275.06	0.02
Hempstead Lake	14717.5*	Max WS	7649.24	19.76	41.04		41.04	0.000011	0.51	16037.72	1188.95	0.02
Hempstead Lake	14697.6*	Max WS	7649.23	19.74	41.04		41.04	0.000010	0.50	16331.75	1188.16	0.02
Hempstead Lake	14677.6*	Max WS	7649.22	19.73	41.04		41.04	0.000009	0.49	16628.30	1207.11	0.02
Hempstead Lake	14657.7*	Max WS	7649.21	19.71	41.04		41.04	0.000008	0.49	16930.63	1230.56	0.02
Hempstead Lake	14637.7*	Max WS	7649.20	19.69	41.04		41.04	0.000007	0.48	17235.88	1253.13	0.02
Hempstead Lake	14617.8*	Max WS	7649.19	19.67	41.04		41.04	0.000006	0.47	17548.00	1303.07	0.02
Hempstead Lake	14597.8*	Max WS	7649.17	19.65	41.04		41.04	0.000006	0.46	17873.28	1381.30	0.02
Hempstead Lake	14577.9*	Max WS	7664.79	19.64	41.04		41.04	0.000005	0.46	18211.40	1428.98	0.02
Hempstead Lake	14557.9*	Max WS	7649.15	19.62	41.04		41.04	0.000004	0.45	18566.50	1484.75	0.02
Hempstead Lake	14538.0*	Max WS	7649.14	19.60	41.04		41.04	0.000004	0.44	18936.42	1528.57	0.02
Hempstead Lake	14518.0*	Max WS	7664.25	19.58	41.04		41.04	0.000003	0.43	19324.28	1571.26	0.02
Hempstead Lake	14498.1*	Max WS	7649.13	19.57	41.04		41.04	0.000003	0.43	19745.61	1637.41	0.02
Hempstead Lake	14478.1*	Max WS	7663.83	19.55	41.04		41.04	0.000002	0.42	20201.26	1708.23	0.02
Hempstead Lake	14458.2*	Max WS	7649.11	19.53	41.04		41.04	0.000002	0.41	20677.32	1729.86	0.02
Hempstead Lake	14438.2*	Max WS	7649.10	19.51	41.04		41.04	0.000002	0.41	21158.22	1748.92	0.02
Hempstead Lake	14418.3*	Max WS	7663.18	19.50	41.04		41.04	0.000001	0.40	21640.51	1766.27	0.02
Hempstead Lake	14398.37	Max WS	7662.95	19.48	41.04		41.04	0.000001	0.40	22128.66	1780.57	0.02
Hempstead Lake	14378.3*	Max WS	7662.72	19.48	41.04		41.04	0.000001	0.40	21890.38	1759.04	0.02
Hempstead Lake	14358.3*	Max WS	7662.50	19.49	41.04		41.04	0.000001	0.41	21646.92	1737.77	0.02
Hempstead Lake	14338.2*	Max WS	7649.10	19.49	41.04		41.04	0.000001	0.42	21408.37	1716.77	0.02
Hempstead Lake	14318.2*	Max WS	7649.09	19.49	41.04		41.04	0.000001	0.42	21166.93	1696.32	0.02
Hempstead Lake	14298.2*	Max WS	7661.83	19.49	41.04		41.04	0.000002	0.43	20925.10	1676.33	0.02
Hempstead Lake	14278.1*	Max WS	7649.07	19.50	41.04		41.04	0.000002	0.44	20685.03	1656.83	0.02
Hempstead Lake	14258.1*	Max WS	7661.41	19.50	41.04		41.04	0.000002	0.45	20445.35	1637.96	0.02
Hempstead Lake	14238.1*	Max WS	7649.06	19.50	41.04		41.04	0.000002	0.45	20206.95	1619.92	0.02
Hempstead Lake	14218.0*	Max WS	7649.05	19.50	41.04		41.04	0.000002	0.46	19969.03	1602.89	0.02
Hempstead Lake	14198.0*	Max WS	7649.04	19.51	41.04		41.04	0.000002	0.47	19735.72	1587.02	0.02
Hempstead Lake	14178.0*	Max WS	7649.02	19.51	41.04		41.04	0.000002	0.48	19505.79	1572.60	0.02
Hempstead Lake	14157.9*	Max WS	7649.01	19.51	41.04		41.04	0.000002	0.49	19281.45	1557.66	0.02
Hempstead Lake	14137.9*	Max WS	7660.17	19.51	41.04		41.04	0.000002	0.49	19090.77	1631.48	0.02
Hempstead Lake	14117.9*	Max WS	7648.98	19.52	41.04		41.04	0.000002	0.50	18926.01	1642.08	0.02
Hempstead Lake	14097.8*	Max WS	7659.73	19.52	41.04		41.04	0.000002	0.51	18770.54	1639.06	0.02
Hempstead Lake	14077.8*	Max WS	7648.96	19.52	41.04		41.04	0.000002	0.52	18622.48	1636.76	0.02
Hempstead Lake	14057.8*	Max WS	7648.95	19.52	41.04		41.04	0.000002	0.53	18476.69	1629.67	0.02
Hempstead Lake	14037.7*	Max WS	7648.93	19.53	41.04		41.04	0.000002	0.54	18333.34	1621.97	0.02
Hempstead Lake	14017.75	Max WS	7658.85	19.53	41.04		41.04	0.000003	0.55	18189.90	1632.44	0.02
Hempstead Lake	13998.2*	Max WS	7658.66	19.61	41.04		41.04	0.000005	0.52	18203.26	1624.35	0.02
Hempstead Lake	13978.6*	Max WS	7648.91	19.69	41.04		41.04	0.000005	0.51	18229.77	1619.73	0.02
Hempstead Lake	13959.1*	Max WS	7658.30	19.77	41.04		41.04	0.000005	0.51	18266.39	1610.66	0.02
Hempstead Lake	13939.6*	Max WS	7648.89	19.85	41.04		41.04	0.000005	0.50	18315.24	1598.58	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	7648.88	19.94	41.04		41.04	0.000005	0.49	18379.45	1586.24	0.02
Hempstead Lake	13900.5*	Max WS	7657.75	20.02	41.04		41.04	0.000005	0.48	18454.96	1572.88	0.02
Hempstead Lake	13881.*	Max WS	7657.57	20.10	41.04		41.04	0.000005	0.47	18544.83	1560.53	0.02
Hempstead Lake	13861.4*	Max WS	7657.38	20.18	41.04		41.04	0.000005	0.47	18649.53	1544.59	0.02
Hempstead Lake	13841.9*	Max WS	7648.86	20.26	41.04		41.04	0.000005	0.46	18767.14	1530.76	0.02
Hempstead Lake	13822.3*	Max WS	7657.02	20.34	41.04		41.04	0.000005	0.45	18894.84	1519.70	0.02
Hempstead Lake	13802.8*	Max WS	7656.84	20.42	41.04		41.04	0.000005	0.45	19034.94	1509.75	0.02
Hempstead Lake	13783.3*	Max WS	7648.85	20.50	41.04		41.04	0.000005	0.44	19181.75	1501.14	0.02
Hempstead Lake	13763.7*	Max WS	7648.84	20.59	41.04		41.04	0.000005	0.43	19337.39	1493.75	0.02
Hempstead Lake	13744.2*	Max WS	7656.31	20.67	41.04		41.04	0.000004	0.43	19498.94	1487.44	0.02
Hempstead Lake	13724.7*	Max WS	7648.83	20.75	41.04		41.04	0.000004	0.42	19668.27	1482.40	0.02
Hempstead Lake	13705.1*	Max WS	7648.81	20.83	41.04		41.04	0.000004	0.42	19839.66	1477.85	0.02
Hempstead Lake	13685.63	Max WS	7648.80	20.91	41.04		41.04	0.000002	0.42	20017.50	1474.08	0.02
Hempstead Lake	13666.4*	Max WS	7655.64	21.07	41.04		41.04	0.000003	0.41	20116.31	1476.14	0.02
Hempstead Lake	13647.1*	Max WS	7655.47	21.23	41.04		41.04	0.000003	0.41	20206.78	1473.34	0.02
Hempstead Lake	13627.9*	Max WS	7648.79	21.39	41.04		41.04	0.000003	0.41	20288.41	1470.53	0.02
Hempstead Lake	13608.7*	Max WS	7648.78	21.56	41.04		41.04	0.000003	0.41	20360.20	1467.48	0.02
Hempstead Lake	13589.5*	Max WS	7654.98	21.72	41.04		41.04	0.000003	0.41	20425.21	1464.50	0.02
Hempstead Lake	13570.2*	Max WS	7648.77	21.88	41.04		41.04	0.000003	0.41	20480.79	1461.57	0.02
Hempstead Lake	13551.0*	Max WS	7648.76	22.04	41.04		41.04	0.000003	0.41	20528.82	1458.74	0.02
Hempstead Lake	13531.8*	Max WS	7648.75	22.20	41.04		41.04	0.000002	0.41	20566.02	1455.98	0.02
Hempstead Lake	13512.6*	Max WS	7648.74	22.36	41.04		41.04	0.000002	0.41	20595.74	1452.84	0.02
Hempstead Lake	13493.3*	Max WS	7654.15	22.53	41.04		41.04	0.000002	0.41	20616.78	1450.00	0.02
Hempstead Lake	13474.1*	Max WS	7648.73	22.69	41.04		41.04	0.000002	0.41	20628.43	1447.46	0.02
Hempstead Lake	13454.9*	Max WS	7648.72	22.85	41.04		41.04	0.000002	0.41	20630.67	1445.22	0.02
Hempstead Lake	13435.72	Max WS	7653.65	23.01	41.04		41.04	0.000002	0.40	20625.29	1443.20	0.02
Hempstead Lake	13419.3*	Max WS	7648.71	23.00	41.04		41.04	0.000002	0.41	20602.78	1447.22	0.02
Hempstead Lake	13403.0*	Max WS	7648.70	23.00	41.04		41.04	0.000002	0.41	20586.51	1451.22	0.02
Hempstead Lake	13386.6*	Max WS	7648.69	22.99	41.04		41.04	0.000002	0.41	20574.77	1455.21	0.02
Hempstead Lake	13370.3*	Max WS	7648.68	22.98	41.04		41.04	0.000002	0.41	20568.86	1459.14	0.02
Hempstead Lake	13354.*	Max WS	7648.66	22.98	41.04		41.04	0.000002	0.41	20566.87	1463.05	0.02
Hempstead Lake	13337.6*	Max WS	7648.66	22.97	41.04		41.04	0.000003	0.41	20571.31	1466.94	0.02
Hempstead Lake	13321.3*	Max WS	7648.65	22.96	41.04		41.04	0.000003	0.40	20580.87	1470.75	0.02
Hempstead Lake	13304.9*	Max WS	7652.50	22.95	41.04		41.04	0.000003	0.40	20594.74	1474.56	0.02
Hempstead Lake	13288.6*	Max WS	7648.63	22.95	41.04		41.04	0.000003	0.40	20613.59	1478.35	0.02
Hempstead Lake	13272.29	Max WS	7652.21	22.94	41.04		41.04	0.000002	0.40	20638.64	1482.09	0.02
Hempstead Lake	13255.0*	Max WS	7648.62	22.90	41.04		41.04	0.000002	0.40	20603.86	1483.65	0.02
Hempstead Lake	13237.8*	Max WS	7648.60	22.87	41.04		41.04	0.000003	0.40	20572.75	1485.12	0.02
Hempstead Lake	13220.5*	Max WS	7648.59	22.83	41.04		41.04	0.000003	0.41	20546.66	1486.50	0.02
Hempstead Lake	13203.3*	Max WS	7648.58	22.80	41.04		41.04	0.000003	0.41	20523.13	1487.77	0.02
Hempstead Lake	13186.0*	Max WS	7648.57	22.76	41.04		41.04	0.000003	0.41	20503.97	1488.93	0.02
Hempstead Lake	13168.8*	Max WS	7648.55	22.72	41.04		41.04	0.000003	0.41	20488.82	1489.91	0.02
Hempstead Lake	13151.6*	Max WS	7648.54	22.69	41.04		41.04	0.000003	0.41	20476.63	1490.78	0.02
Hempstead Lake	13134.3*	Max WS	7650.93	22.65	41.04		41.04	0.000003	0.41	20468.92	1491.49	0.02
Hempstead Lake	13117.1*	Max WS	7648.52	22.62	41.04		41.04	0.000003	0.41	20465.65	1492.00	0.02
Hempstead Lake	13099.8*	Max WS	7648.51	22.58	41.04		41.04	0.000003	0.41	20466.52	1492.30	0.02
Hempstead Lake	13082.6*	Max WS	7650.43	22.55	41.04		41.04	0.000003	0.41	20470.20	1492.58	0.02
Hempstead Lake	13065.3*	Max WS	7648.49	22.51	41.04		41.04	0.000003	0.41	20479.82	1492.75	0.02
Hempstead Lake	13048.1*	Max WS	7648.47	22.47	41.04		41.04	0.000003	0.41	20492.92	1492.70	0.02
Hempstead Lake	13030.9*	Max WS	7648.46	22.44	41.04		41.04	0.000003	0.41	20509.26	1492.48	0.02
Hempstead Lake	13013.6*	Max WS	7649.78	22.40	41.04		41.04	0.000003	0.40	20530.28	1492.07	0.02
Hempstead Lake	12996.4*	Max WS	7648.44	22.37	41.04		41.04	0.000003	0.40	20556.68	1491.32	0.02
Hempstead Lake	12979.1*	Max WS	7648.42	22.33	41.04		41.04	0.000003	0.40	20584.92	1490.31	0.02
Hempstead Lake	12961.9*	Max WS	7648.41	22.29	41.04		41.04	0.000003	0.40	20621.16	1488.96	0.02
Hempstead Lake	12944.7*	Max WS	7648.39	22.26	41.04		41.04	0.000003	0.40	20659.18	1487.16	0.02
Hempstead Lake	12927.4*	Max WS	7648.38	22.22	41.04		41.04	0.000003	0.40	20703.45	1485.05	0.02
Hempstead Lake	12910.2*	Max WS	7648.37	22.19	41.04		41.04	0.000003	0.40	20752.39	1482.67	0.02
Hempstead Lake	12892.97	Max WS	7648.35	22.15	41.04		41.04	0.000002	0.40	20805.84	1479.92	0.02
Hempstead Lake	12881.0*	Max WS	8971.64	22.12	41.04		41.04	0.000002	0.47	20794.54	1477.12	0.02
Hempstead Lake	12869.1*	Max WS	8971.62	22.09	41.04		41.04	0.000002	0.47	20786.82	1473.87	0.02
Hempstead Lake	12857.1*	Max WS	8971.59	22.06	41.04		41.04	0.000002	0.47	20778.51	1470.32	0.02
Hempstead Lake	12845.2*	Max WS	8971.57	22.03	41.04		41.04	0.000002	0.47	20770.99	1466.39	0.02
Hempstead Lake	12833.3*	Max WS	8971.55	22.00	41.04		41.04	0.000002	0.47	20763.10	1462.38	0.02
Hempstead Lake	12821.4*	Max WS	8971.53	21.97	41.04		41.04	0.000002	0.47	20758.84	1458.35	0.02
Hempstead Lake	12809.4*	Max WS	8971.51	21.94	41.04		41.04	0.000002	0.47	20754.29	1454.07	0.02
Hempstead Lake	12797.5*	Max WS	8971.48	21.92	41.04		41.04	0.000002	0.47	20749.55	1449.68	0.02
Hempstead Lake	12785.6*	Max WS	8971.45	21.89	41.04		41.04	0.000002	0.47	20747.21	1444.96	0.02
Hempstead Lake	12773.7*	Max WS	8971.43	21.86	41.04		41.04	0.000002	0.47	20745.67	1439.99	0.02
Hempstead Lake	12761.7*	Max WS	8971.40	21.83	41.04		41.04	0.000002	0.47	20744.54	1435.57	0.02
Hempstead Lake	12749.8*	Max WS	8971.38	21.80	41.04		41.04	0.000002	0.47	20745.42	1431.66	0.02
Hempstead Lake	12737.9*	Max WS	8971.35	21.77	41.04		41.04	0.000002	0.47	20746.78	1427.87	0.02
Hempstead Lake	12726.0*	Max WS	8971.33	21.74	41.04		41.04	0.000002	0.47	20748.23	1424.12	0.02
Hempstead Lake	12714.0*	Max WS	8971.30	21.71	41.04		41.04	0.000002	0.47	20749.26	1420.31	0.02
Hempstead Lake	12702.1*	Max WS	8971.27	21.68	41.04		41.04	0.000002	0.47	20754.19	1417.08	0.02
Hempstead Lake	12690.2*	Max WS	8971.25	21.65	41.04		41.04	0.000002	0.47	20758.48	1413.87	0.02
Hempstead Lake	12678.3*	Max WS	8971.23	21.62	41.04		41.04	0.000002	0.48	20763.54	1411.41	0.02
Hempstead Lake	12666.3*	Max WS	8971.21	21.59	41.04		41.04	0.000002	0.48	20768.61	1409.19	0.02
Hempstead Lake	12654.4*	Max WS	8971.19	21.56	41.04		41.04	0.000002	0.48	20774.25	1406.99	0.02
Hempstead Lake	12642.5*	Max WS	8971.16	21.53	41.04		41.04	0.000002	0.48	20781.38	1404.91	0.02
Hempstead Lake	12630.6*	Max WS	8971.14	21.50	41.04		41.04	0.000002	0.48	20788.28	1402.75	0.02
Hempstead Lake	12618.6*	Max WS	8971.11	21.47	41.04		41.04	0.000002	0.48	20796.52	1400.63	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	8971.09	21.45	41.04		41.04	0.000002	0.48	20804.22	1398.58	0.02
Hempstead Lake	12594.8*	Max WS	8971.06	21.42	41.04		41.04	0.000002	0.48	20813.91	1396.50	0.02
Hempstead Lake	12582.9*	Max WS	8971.03	21.39	41.04		41.04	0.000002	0.48	20823.12	1394.41	0.02
Hempstead Lake	12570.9*	Max WS	8971.01	21.36	41.04		41.04	0.000002	0.47	20832.22	1392.40	0.02
Hempstead Lake	12559.0*	Max WS	8970.98	21.33	41.04		41.04	0.000002	0.47	20842.32	1390.36	0.02
Hempstead Lake	12547.1*	Max WS	8970.96	21.30	41.04		41.04	0.000002	0.47	20853.80	1388.32	0.02
Hempstead Lake	12535.2*	Max WS	8970.94	21.27	41.04		41.04	0.000002	0.47	20866.04	1386.36	0.02
Hempstead Lake	12523.27	Max WS	8970.91	21.24	41.04		41.04	0.000002	0.48	20877.07	1384.34	0.02
Hempstead Lake	12515.8*	Max WS	9544.65	21.24	41.03		41.04	0.000003	0.50	20717.55	1370.92	0.02
Hempstead Lake	12508.3*	Max WS	9544.63	21.24	41.03		41.04	0.000003	0.51	20559.96	1357.46	0.02
Hempstead Lake	12500.9*	Max WS	9544.62	21.23	41.03		41.04	0.000003	0.51	20402.99	1343.97	0.02
Hempstead Lake	12493.4*	Max WS	9544.60	21.23	41.03		41.04	0.000004	0.51	20246.30	1330.39	0.02
Hempstead Lake	12486.0*	Max WS	9544.58	21.23	41.03		41.04	0.000004	0.51	20091.79	1316.70	0.02
Hempstead Lake	12478.5*	Max WS	9544.57	21.23	41.03		41.04	0.000005	0.51	19936.98	1302.97	0.02
Hempstead Lake	12471.1*	Max WS	9544.55	21.23	41.03		41.04	0.000005	0.51	19783.33	1289.16	0.02
Hempstead Lake	12463.7*	Max WS	9544.54	21.23	41.03		41.04	0.000006	0.52	19630.60	1275.23	0.02
Hempstead Lake	12456.2*	Max WS	9544.52	21.22	41.03		41.04	0.000006	0.52	19479.21	1261.17	0.02
Hempstead Lake	12448.8*	Max WS	9544.51	21.22	41.03		41.04	0.000007	0.52	19327.80	1246.56	0.02
Hempstead Lake	12441.3*	Max WS	9544.49	21.22	41.03		41.04	0.000007	0.52	19177.39	1231.71	0.02
Hempstead Lake	12433.9*	Max WS	9544.48	21.22	41.03		41.04	0.000008	0.52	19028.24	1217.60	0.02
Hempstead Lake	12426.4*	Max WS	9544.46	21.22	41.03		41.04	0.000009	0.53	18881.89	1203.52	0.02
Hempstead Lake	12419.0*	Max WS	9544.45	21.21	41.03		41.04	0.000009	0.53	18734.30	1189.26	0.02
Hempstead Lake	12411.5*	Max WS	9544.43	21.21	41.03		41.04	0.000010	0.53	18588.98	1174.58	0.02
Hempstead Lake	12404.1*	Max WS	9544.42	21.21	41.03		41.04	0.000011	0.53	18444.55	1159.74	0.02
Hempstead Lake	12396.6*	Max WS	9544.40	21.21	41.03		41.04	0.000011	0.54	18301.22	1144.61	0.02
Hempstead Lake	12389.2*	Max WS	9544.39	21.21	41.03		41.04	0.000012	0.54	18160.04	1129.27	0.02
Hempstead Lake	12381.8*	Max WS	9544.37	21.21	41.03		41.04	0.000013	0.54	18019.72	1113.43	0.02
Hempstead Lake	12374.3*	Max WS	9544.36	21.20	41.03		41.04	0.000014	0.54	17880.95	1097.08	0.02
Hempstead Lake	12366.9*	Max WS	9544.35	21.20	41.03		41.04	0.000015	0.55	17744.75	1080.31	0.02
Hempstead Lake	12359.46	Max WS	9544.33	21.20	41.03		41.04	0.000003	0.56	17610.09	1063.34	0.02
Hempstead Lake	12349.5*	Max WS	9928.05	21.17	41.03		41.04	0.000017	0.58	17317.77	1048.33	0.02
Hempstead Lake	12339.7*	Max WS	9928.03	21.14	41.03		41.04	0.000018	0.59	17028.18	1033.32	0.02
Hempstead Lake	12329.8*	Max WS	9928.00	21.10	41.03		41.04	0.000018	0.60	16738.83	1018.30	0.02
Hempstead Lake	12320.*	Max WS	9927.98	21.07	41.03		41.04	0.000018	0.61	16451.97	1003.21	0.03
Hempstead Lake	12310.1*	Max WS	9927.96	21.04	41.03		41.04	0.000019	0.63	16164.62	988.09	0.03
Hempstead Lake	12300.2*	Max WS	9927.94	21.01	41.03		41.04	0.000019	0.64	15878.66	972.92	0.03
Hempstead Lake	12290.4*	Max WS	9927.92	20.97	41.03		41.04	0.000019	0.65	15596.14	957.77	0.03
Hempstead Lake	12280.5*	Max WS	9927.90	20.94	41.03		41.04	0.000020	0.66	15312.72	942.63	0.03
Hempstead Lake	12270.6*	Max WS	9927.88	20.91	41.03		41.04	0.000020	0.67	15029.81	927.42	0.03
Hempstead Lake	12260.8*	Max WS	9927.86	20.88	41.03		41.04	0.000021	0.69	14748.34	912.23	0.03
Hempstead Lake	12250.9*	Max WS	9927.84	20.84	41.03		41.04	0.000021	0.70	14468.81	897.03	0.03
Hempstead Lake	12241.0*	Max WS	9927.81	20.81	41.03		41.03	0.000021	0.72	14189.72	881.70	0.03
Hempstead Lake	12231.2*	Max WS	9927.79	20.78	41.03		41.03	0.000022	0.73	13912.18	866.57	0.03
Hempstead Lake	12221.3*	Max WS	9927.77	20.75	41.03		41.03	0.000023	0.75	13634.97	851.45	0.03
Hempstead Lake	12211.4*	Max WS	9927.76	20.71	41.03		41.03	0.000023	0.76	13360.04	836.34	0.03
Hempstead Lake	12201.6*	Max WS	9927.74	20.68	41.02		41.03	0.000024	0.78	13085.35	820.85	0.03
Hempstead Lake	12191.7*	Max WS	9927.72	20.65	41.02		41.03	0.000024	0.80	12811.16	805.14	0.03
Hempstead Lake	12181.8*	Max WS	9927.70	20.62	41.02		41.03	0.000025	0.82	12538.98	789.69	0.03
Hempstead Lake	12172.0*	Max WS	9927.68	20.58	41.02		41.03	0.000026	0.83	12269.68	777.54	0.03
Hempstead Lake	12162.1*	Max WS	9927.66	20.55	41.02		41.03	0.000026	0.85	11999.77	763.75	0.04
Hempstead Lake	12152.2*	Max WS	9927.64	20.52	41.02		41.03	0.000027	0.88	11730.71	749.59	0.04
Hempstead Lake	12142.4*	Max WS	9927.62	20.49	41.02		41.03	0.000023	0.90	11463.29	735.28	0.04
Hempstead Lake	12132.5*	Max WS	9927.60	20.45	41.02		41.03	0.000023	0.92	11197.34	721.12	0.04
Hempstead Lake	12122.7*	Max WS	9927.58	20.42	41.02		41.03	0.000024	0.95	10932.69	706.79	0.04
Hempstead Lake	12112.8*	Max WS	9927.56	20.39	41.02		41.03	0.000024	0.97	10668.40	692.29	0.04
Hempstead Lake	12102.9*	Max WS	9927.54	20.36	41.02		41.03	0.000024	1.00	10405.63	677.62	0.04
Hempstead Lake	12093.1*	Max WS	9927.52	20.32	41.02		41.03	0.000024	1.02	10143.52	662.65	0.04
Hempstead Lake	12083.2*	Max WS	9927.50	20.29	41.01		41.03	0.000025	1.05	9883.04	647.54	0.04
Hempstead Lake	12073.3*	Max WS	9927.48	20.26	41.01		41.03	0.000025	1.08	9623.39	632.36	0.05
Hempstead Lake	12063.5*	Max WS	9927.47	20.23	41.01		41.03	0.000026	1.12	9364.31	617.02	0.05
Hempstead Lake	12053.6*	Max WS	9927.45	20.19	41.01		41.03	0.000025	1.15	9106.84	601.50	0.05
Hempstead Lake	12043.7*	Max WS	9927.43	20.16	41.01		41.03	0.000026	1.18	8850.44	585.81	0.05
Hempstead Lake	12033.9*	Max WS	9927.41	20.13	41.01		41.03	0.000026	1.22	8593.64	569.79	0.05
Hempstead Lake	12024.0*	Max WS	9927.40	20.10	41.01		41.03	0.000027	1.26	8338.61	553.74	0.05
Hempstead Lake	12014.1*	Max WS	9927.38	20.06	41.00		41.03	0.000026	1.30	8083.73	537.51	0.05
Hempstead Lake	12004.3*	Max WS	9927.37	20.03	41.00		41.03	0.000027	1.35	7830.80	521.17	0.06
Hempstead Lake	11994.45	Max WS	9927.35	20.00	41.00		41.03	0.000075	1.38	7575.80	504.52	0.06
Hempstead Lake	11989.45	Max WS	9988.39	20.00	41.00	24.78	41.02	0.000076	1.39	7574.71	504.50	0.06
Hempstead Lake	11979		Inl Struct									
Hempstead Lake	11969.45	Max WS	9988.39	20.00	40.96		40.99	0.000076	1.40	7558.06	503.97	0.06
Hempstead Lake	11964.45	Max WS	9988.38	20.00	40.96		40.99	0.000076	1.41	7557.63	503.96	0.06
Hempstead Lake	11954.6*	Max WS	9988.37	19.97	40.96		40.99	0.000031	1.47	7429.32	512.85	0.06
Hempstead Lake	11944.8*	Max WS	9988.36	19.95	40.96		40.99	0.000034	1.50	7302.10	522.74	0.06
Hempstead Lake	11934.9*	Max WS	9988.34	19.92	40.95		40.99	0.000037	1.53	7179.66	533.85	0.07
Hempstead Lake	11925.1*	Max WS	9988.33	19.90	40.95		40.99	0.000040	1.57	7057.62	543.86	0.07
Hempstead Lake	11915.3*	Max WS	9988.32	19.87	40.94		40.98	0.000043	1.61	6939.82	554.34	0.07
Hempstead Lake	11905.5*	Max WS	9988.31	19.84	40.93		40.97	0.000048	1.65	6820.56	565.56	0.07
Hempstead Lake	11895.6*	Max WS	9988.30	19.82	40.92		40.97	0.000052	1.69	6707.61	576.70	0.08
Hempstead Lake	11885.8*	Max WS	9988.29	19.79	40.92		40.96	0.000057	1.73	6598.64	588.51	0.08
Hempstead Lake	11876.0*	Max WS	9988.28	19.77	40.91		40.95	0.000086	1.75	6493.07	601.14	0.08
Hempstead Lake	11866.2*	Max WS	9988.27	19.74	40.90		40.94	0.000093	1.80	6388.56	602.85	0.09

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11856.4*	Max WS	9988.26	19.72	40.88		40.93	0.000101	1.84	6280.21	604.50	0.09
Hempstead Lake	11846.5*	Max WS	9988.25	19.69	40.86		40.91	0.000110	1.89	6167.74	606.16	0.09
Hempstead Lake	11836.7*	Max WS	9988.24	19.66	40.83		40.89	0.000121	1.94	6049.42	607.82	0.10
Hempstead Lake	11826.9*	Max WS	9988.23	19.64	40.75		40.81	0.000135	2.01	5894.28	609.47	0.10
Hempstead Lake	11817.1*	Max WS	9988.22	19.61	40.63		40.69	0.000154	2.09	5713.43	611.13	0.11
Hempstead Lake	11807.2*	Max WS	9988.22	19.59	40.56		40.62	0.000172	2.15	5565.34	612.78	0.12
Hempstead Lake	11797.46	Max WS	9357.81	19.56	38.68		38.78	0.000178	2.67	4300.73	614.44	0.16
Hempstead Lake	11792.46	Max WS	9988.22	19.56	39.74		39.83	0.000134	2.52	4913.25	614.44	0.14
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	922.28	19.54	35.39		35.42	0.000043	1.42	651.30	602.28	0.07
Hempstead Lake	11627.46	Max WS	924.66	19.54	35.39		35.42	0.000037	1.27	727.15	612.43	0.09
Hempstead Lake	11617.9*	Max WS	923.07	19.43	35.39		35.41	0.000148	1.05	877.77	645.38	0.09
Hempstead Lake	11608.4*	Max WS	926.26	19.31	35.40		35.41	0.000128	0.86	1078.16	661.05	0.07
Hempstead Lake	11598.94	Max WS	929.50	19.20	35.40		35.41	0.000019	0.71	1312.32	678.05	0.06
Hempstead Lake	11573.9*	Max WS	993.69	19.18	35.42		35.42	0.000014	0.53	2080.14	751.06	0.05
Hempstead Lake	11548.9*	Max WS	995.56	19.15	35.42		35.42	0.000012	0.44	2581.41	826.73	0.04
Hempstead Lake	11523.9*	Max WS	996.49	19.12	35.42		35.42	0.000010	0.36	3152.49	903.84	0.03
Hempstead Lake	11498.9*	Max WS	995.55	19.10	35.42		35.42	0.000008	0.30	3790.26	981.99	0.02
Hempstead Lake	11473.9*	Max WS	995.54	19.08	35.42		35.42	0.000006	0.24	4497.44	1053.95	0.02
Hempstead Lake	11448.9*	Max WS	995.54	19.05	35.42		35.42	0.000005	0.20	5273.66	1125.81	0.01
Hempstead Lake	11423.9*	Max WS	996.45	19.02	35.42		35.42	0.000003	0.17	6119.67	1197.16	0.01
Hempstead Lake	11398.9*	Max WS	996.44	19.00	35.42		35.42	0.000002	0.14	7035.07	1260.11	0.01
Hempstead Lake	11373.9*	Max WS	996.42	18.98	35.42		35.42	0.000002	0.12	8023.82	1299.35	0.01
Hempstead Lake	11349.*	Max WS	996.40	18.95	35.42		35.42	0.000001	0.10	9082.68	1361.67	0.01
Hempstead Lake	11324.*	Max WS	996.38	18.92	35.42		35.42	0.000001	0.09	10214.35	1425.99	0.01
Hempstead Lake	11299.0*	Max WS	996.37	18.90	35.42		35.42	0.000001	0.08	11413.48	1493.97	0.00
Hempstead Lake	11274.0*	Max WS	996.36	18.88	35.42		35.42	0.000000	0.07	12685.87	1561.90	0.00
Hempstead Lake	11249.0*	Max WS	996.34	18.85	35.42		35.42	0.000000	0.06	14026.94	1629.93	0.00
Hempstead Lake	11224.0*	Max WS	997.15	18.83	35.42		35.42	0.000000	0.05	15437.13	1698.15	0.00
Hempstead Lake	11199.0*	Max WS	995.54	18.80	35.42		35.42	0.000000	0.04	16917.14	1765.79	0.00
Hempstead Lake	11174.0*	Max WS	996.32	18.77	35.42		35.42	0.000000	0.04	18470.32	1833.93	0.00
Hempstead Lake	11149.0*	Max WS	995.54	18.75	35.42		35.42	0.000000	0.03	20091.01	1902.23	0.00
Hempstead Lake	11124.0*	Max WS	996.29	18.73	35.42		35.42	0.000000	0.03	21784.01	1971.25	0.00
Hempstead Lake	11099.0*	Max WS	996.28	18.70	35.42		35.42	0.000000	0.03	23545.42	2040.67	0.00
Hempstead Lake	11074.0*	Max WS	995.53	18.67	35.42		35.42	0.000000	0.02	25379.13	2109.77	0.00
Hempstead Lake	11049.07	Max WS	996.24	18.65	35.42		35.42	0.000000	0.04	27280.41	2179.29	0.00
Hempstead Lake	11038.4*	Max WS	996.23	18.61	35.42		35.42	0.000000	0.02	26595.34	2154.33	0.00
Hempstead Lake	11027.7*	Max WS	996.22	18.58	35.42		35.42	0.000000	0.02	25928.91	2131.01	0.00
Hempstead Lake	11017.0*	Max WS	996.21	18.54	35.42		35.42	0.000000	0.03	25277.63	2107.62	0.00
Hempstead Lake	11006.4*	Max WS	996.20	18.50	35.42		35.42	0.000000	0.03	24642.36	2084.28	0.00
Hempstead Lake	10995.7*	Max WS	995.53	18.47	35.42		35.42	0.000000	0.03	24028.16	2055.38	0.00
Hempstead Lake	10985.0*	Max WS	996.18	18.43	35.42		35.42	0.000000	0.03	23440.84	1890.50	0.00
Hempstead Lake	10974.4*	Max WS	995.53	18.39	35.42		35.42	0.000000	0.03	22889.62	1831.85	0.00
Hempstead Lake	10963.7*	Max WS	996.15	18.35	35.42		35.42	0.000000	0.03	22355.41	1812.43	0.00
Hempstead Lake	10953.1*	Max WS	996.14	18.32	35.42		35.42	0.000000	0.04	21837.76	1793.05	0.00
Hempstead Lake	10942.4*	Max WS	996.13	18.28	35.42		35.42	0.000000	0.04	21334.96	1774.04	0.00
Hempstead Lake	10931.7*	Max WS	996.12	18.24	35.42		35.42	0.000000	0.04	20845.48	1754.86	0.00
Hempstead Lake	10921.1*	Max WS	996.11	18.21	35.42		35.42	0.000000	0.04	20375.09	1735.77	0.00
Hempstead Lake	10910.4*	Max WS	995.53	18.17	35.42		35.42	0.000000	0.05	19921.94	1716.86	0.00
Hempstead Lake	10899.7*	Max WS	995.52	18.13	35.42		35.42	0.000000	0.05	19481.07	1697.83	0.00
Hempstead Lake	10889.1*	Max WS	996.08	18.10	35.42		35.42	0.000000	0.05	19057.75	1679.05	0.00
Hempstead Lake	10878.4*	Max WS	996.07	18.06	35.42		35.42	0.000000	0.05	18649.32	1660.13	0.00
Hempstead Lake	10867.8*	Max WS	996.06	18.02	35.42		35.42	0.000000	0.05	18257.44	1641.16	0.00
Hempstead Lake	10857.1*	Max WS	996.05	17.99	35.42		35.42	0.000000	0.06	17879.94	1622.48	0.00
Hempstead Lake	10846.4*	Max WS	996.04	17.95	35.42		35.42	0.000000	0.06	17520.58	1603.71	0.00
Hempstead Lake	10835.8*	Max WS	996.03	17.91	35.42		35.42	0.000000	0.06	17174.35	1585.03	0.00
Hempstead Lake	10825.1*	Max WS	996.54	17.88	35.42		35.42	0.000000	0.06	16844.90	1566.52	0.00
Hempstead Lake	10814.4*	Max WS	996.01	17.84	35.42		35.42	0.000000	0.06	16531.96	1547.96	0.00
Hempstead Lake	10803.8*	Max WS	996.50	17.80	35.42		35.42	0.000000	0.07	16233.06	1529.50	0.00
Hempstead Lake	10793.1*	Max WS	995.51	17.76	35.42		35.42	0.000000	0.07	15951.87	1511.13	0.00
Hempstead Lake	10782.4*	Max WS	996.46	17.73	35.42		35.42	0.000000	0.07	15684.14	1492.77	0.00
Hempstead Lake	10771.8*	Max WS	995.99	17.69	35.42		35.42	0.000000	0.07	15433.17	1474.47	0.00
Hempstead Lake	10761.1*	Max WS	995.98	17.65	35.42		35.42	0.000000	0.07	15199.16	1456.33	0.00
Hempstead Lake	10750.5*	Max WS	995.96	17.62	35.42		35.42	0.000000	0.07	14978.04	1438.15	0.00
Hempstead Lake	10739.8*	Max WS	995.95	17.58	35.42		35.42	0.000000	0.07	14773.48	1420.15	0.00
Hempstead Lake	10729.1*	Max WS	995.94	17.54	35.42		35.42	0.000000	0.07	14585.12	1402.17	0.00
Hempstead Lake	10718.5*	Max WS	996.36	17.51	35.42		35.42	0.000000	0.07	14410.04	1384.39	0.00
Hempstead Lake	10707.8*	Max WS	995.93	17.47	35.42		35.42	0.000000	0.07	14253.58	1365.66	0.00
Hempstead Lake	10697.1*	Max WS	995.91	17.43	35.42		35.42	0.000000	0.07	14110.39	1346.93	0.00
Hempstead Lake	10686.5*	Max WS	995.52	17.40	35.42		35.42	0.000000	0.07	13984.50	1328.74	0.00
Hempstead Lake	10675.8*	Max WS	995.51	17.36	35.42		35.42	0.000000	0.07	13872.59	1310.89	0.00
Hempstead Lake	10665.2*	Max WS	995.89	17.32	35.42		35.42	0.000000	0.07	13776.17	1293.32	0.00
Hempstead Lake	10654.5*	Max WS	995.51	17.29	35.42		35.42	0.000000	0.07	13694.61	1275.93	0.00
Hempstead Lake	10643.8*	Max WS	995.51	17.25	35.42		35.42	0.000000	0.07	13628.61	1259.24	0.00
Hempstead Lake	10633.2*	Max WS	995.50	17.21	35.42		35.42	0.000000	0.07	13577.37	1243.20	0.00
Hempstead Lake	10622.5*	Max WS	995.50	17.17	35.42		35.42	0.000000	0.07	13540.63	1227.44	0.00
Hempstead Lake	10611.8*	Max WS	995.50	17.14	35.42		35.42	0.000000	0.07	13517.70	1211.85	0.00
Hempstead Lake	10601.2*	Max WS	996.20	17.10	35.42		35.42	0.000000	0.07	13510.07	1196.44	0.00
Hempstead Lake	10590.5*	Max WS	995.85	17.06	35.42		35.42	0.000000	0.07	13516.27	1181.21	0.00
Hempstead Lake	10579.8*	Max WS	995.49	17.03	35.42		35.42	0.000000	0.07	13537.52	1158.96	0.00
Hempstead Lake	10569.23	Max WS	995.83	16.99	35.42		35.42	0.000000	0.07	13578.54	1119.42	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10549.1*	Max WS	995.82	16.96	35.42		35.42	0.000000	0.07	13621.48	1118.30	0.00
Hempstead Lake	10529.0*	Max WS	996.13	16.94	35.42		35.42	0.000000	0.07	13666.46	1117.15	0.00
Hempstead Lake	10508.9*	Max WS	995.81	16.91	35.42		35.42	0.000000	0.07	13710.46	1115.98	0.00
Hempstead Lake	10488.7*	Max WS	995.80	16.89	35.42		35.42	0.000000	0.07	13753.95	1114.19	0.00
Hempstead Lake	10468.6*	Max WS	995.49	16.86	35.42		35.42	0.000000	0.07	13800.02	1111.90	0.00
Hempstead Lake	10448.5*	Max WS	995.79	16.83	35.42		35.42	0.000000	0.07	13846.73	1109.68	0.00
Hempstead Lake	10428.4*	Max WS	995.78	16.81	35.42		35.42	0.000000	0.07	13891.62	1107.40	0.00
Hempstead Lake	10408.3*	Max WS	995.77	16.78	35.42		35.42	0.000000	0.07	13939.79	1104.80	0.00
Hempstead Lake	10388.2*	Max WS	995.76	16.76	35.42		35.42	0.000000	0.07	13985.89	1102.38	0.00
Hempstead Lake	10368.1*	Max WS	995.48	16.73	35.42		35.42	0.000000	0.07	14035.42	1099.88	0.00
Hempstead Lake	10348.0*	Max WS	996.01	16.71	35.42		35.42	0.000000	0.07	14082.91	1097.34	0.00
Hempstead Lake	10327.9*	Max WS	995.74	16.68	35.42		35.42	0.000000	0.07	14132.12	1094.77	0.00
Hempstead Lake	10307.8*	Max WS	995.73	16.65	35.42		35.42	0.000000	0.07	14182.76	1092.31	0.00
Hempstead Lake	10287.7*	Max WS	995.48	16.63	35.42		35.42	0.000000	0.07	14233.14	1089.77	0.00
Hempstead Lake	10267.6*	Max WS	995.48	16.60	35.42		35.42	0.000000	0.07	14284.62	1087.22	0.00
Hempstead Lake	10247.4*	Max WS	995.47	16.58	35.42		35.42	0.000000	0.07	14334.83	1084.66	0.00
Hempstead Lake	10227.3*	Max WS	995.70	16.55	35.42		35.42	0.000000	0.07	14386.86	1082.21	0.00
Hempstead Lake	10207.2*	Max WS	995.69	16.52	35.42		35.42	0.000000	0.07	14440.88	1079.66	0.00
Hempstead Lake	10187.1*	Max WS	995.46	16.50	35.42		35.42	0.000000	0.07	14492.85	1077.23	0.00
Hempstead Lake	10167.0*	Max WS	995.45	16.47	35.42		35.42	0.000000	0.07	14547.32	1074.72	0.00
Hempstead Lake	10146.9*	Max WS	995.67	16.45	35.42		35.42	0.000000	0.07	14600.13	1072.35	0.00
Hempstead Lake	10126.8*	Max WS	995.67	16.42	35.42		35.42	0.000000	0.07	14657.78	1069.89	0.00
Hempstead Lake	10106.7*	Max WS	995.66	16.40	35.42		35.42	0.000000	0.07	14711.30	1067.54	0.00
Hempstead Lake	10086.6*	Max WS	995.65	16.37	35.42		35.42	0.000000	0.07	14767.45	1065.23	0.00
Hempstead Lake	10066.5*	Max WS	995.65	16.34	35.42		35.42	0.000000	0.07	14824.94	1062.91	0.00
Hempstead Lake	10046.4*	Max WS	995.64	16.32	35.42		35.42	0.000000	0.07	14881.70	1071.07	0.00
Hempstead Lake	10026.2*	Max WS	995.63	16.29	35.42		35.42	0.000000	0.07	14943.93	1087.83	0.00
Hempstead Lake	10006.1*	Max WS	995.62	16.27	35.42		35.42	0.000000	0.07	15009.91	1134.55	0.00
Hempstead Lake	9986.073	Max WS	995.61	16.24	35.42		35.42	0.000000	0.07	15086.08	1160.47	0.00
Hempstead Lake	9965.77*	Max WS	995.61	16.21	35.42		35.42	0.000000	0.07	15076.63	1155.69	0.00
Hempstead Lake	9945.47*	Max WS	995.44	16.19	35.42		35.42	0.000000	0.07	15065.93	1108.80	0.00
Hempstead Lake	9925.18*	Max WS	995.59	16.16	35.42		35.42	0.000000	0.07	15059.07	1089.53	0.00
Hempstead Lake	9904.88*	Max WS	995.58	16.13	35.42		35.42	0.000000	0.07	15052.82	1077.97	0.00
Hempstead Lake	9884.59*	Max WS	995.44	16.11	35.42		35.42	0.000000	0.07	15045.19	1064.99	0.00
Hempstead Lake	9864.29*	Max WS	995.56	16.08	35.42		35.42	0.000000	0.07	15040.48	1050.88	0.00
Hempstead Lake	9843.99*	Max WS	995.56	16.05	35.42		35.42	0.000000	0.07	15035.37	1037.16	0.00
Hempstead Lake	9823.7*	Max WS	995.55	16.03	35.42		35.42	0.000000	0.07	15030.02	1034.52	0.00
Hempstead Lake	9803.40*	Max WS	995.43	16.00	35.42		35.42	0.000000	0.07	15023.50	1033.88	0.00
Hempstead Lake	9783.10*	Max WS	995.42	15.97	35.42		35.42	0.000000	0.07	15017.00	1032.98	0.00
Hempstead Lake	9762.81*	Max WS	995.28	15.95	35.42		35.42	0.000000	0.07	15009.68	1031.84	0.00
Hempstead Lake	9742.51*	Max WS	995.41	15.92	35.42		35.42	0.000000	0.07	15002.79	1030.29	0.00
Hempstead Lake	9722.21*	Max WS	995.50	15.89	35.42		35.42	0.000000	0.07	14995.17	1028.44	0.00
Hempstead Lake	9701.92*	Max WS	995.40	15.87	35.42		35.42	0.000000	0.07	14985.96	1026.56	0.00
Hempstead Lake	9681.62*	Max WS	995.49	15.84	35.42		35.42	0.000000	0.07	14976.11	1024.49	0.00
Hempstead Lake	9661.32*	Max WS	995.28	15.81	35.42		35.42	0.000000	0.07	14967.32	1022.28	0.00
Hempstead Lake	9641.03*	Max WS	995.47	15.79	35.42		35.42	0.000000	0.07	14956.02	1019.90	0.00
Hempstead Lake	9620.73*	Max WS	995.28	15.76	35.42		35.42	0.000000	0.07	14945.05	1017.50	0.00
Hempstead Lake	9600.43*	Max WS	995.46	15.73	35.42		35.42	0.000000	0.07	14932.26	1014.92	0.00
Hempstead Lake	9580.14*	Max WS	995.38	15.71	35.42		35.42	0.000000	0.07	14919.02	1012.33	0.00
Hempstead Lake	9559.84*	Max WS	995.28	15.68	35.42		35.42	0.000000	0.07	14905.45	1009.52	0.00
Hempstead Lake	9539.54*	Max WS	995.37	15.66	35.42		35.42	0.000000	0.07	14890.22	1006.73	0.00
Hempstead Lake	9519.25*	Max WS	995.42	15.63	35.42		35.42	0.000000	0.07	14873.96	1003.85	0.00
Hempstead Lake	9498.95*	Max WS	995.36	15.60	35.42		35.42	0.000000	0.07	14859.26	1001.03	0.00
Hempstead Lake	9478.65*	Max WS	995.36	15.58	35.42		35.42	0.000000	0.07	14841.39	997.94	0.00
Hempstead Lake	9458.36*	Max WS	995.35	15.55	35.42		35.42	0.000000	0.07	14824.01	994.90	0.00
Hempstead Lake	9438.06*	Max WS	995.39	15.52	35.42		35.42	0.000000	0.07	14803.90	991.86	0.00
Hempstead Lake	9417.76*	Max WS	995.34	15.50	35.42		35.42	0.000000	0.07	14784.67	989.70	0.00
Hempstead Lake	9397.47*	Max WS	995.28	15.47	35.42		35.42	0.000000	0.07	14763.75	989.70	0.00
Hempstead Lake	9377.17*	Max WS	995.33	15.44	35.42		35.42	0.000000	0.07	14744.26	989.45	0.00
Hempstead Lake	9356.87*	Max WS	995.36	15.42	35.42		35.42	0.000000	0.07	14720.21	986.08	0.00
Hempstead Lake	9336.58*	Max WS	995.28	15.39	35.42		35.42	0.000000	0.07	14698.80	982.56	0.00
Hempstead Lake	9316.28*	Max WS	995.32	15.36	35.42		35.42	0.000000	0.07	14675.86	979.03	0.00
Hempstead Lake	9295.98*	Max WS	995.31	15.34	35.42		35.42	0.000000	0.07	14650.86	975.76	0.00
Hempstead Lake	9275.69*	Max WS	995.30	15.31	35.42		35.42	0.000000	0.07	14625.83	973.89	0.00
Hempstead Lake	9255.39*	Max WS	995.27	15.28	35.42		35.42	0.000000	0.07	14600.27	972.09	0.00
Hempstead Lake	9235.09*	Max WS	995.27	15.26	35.42		35.42	0.000000	0.07	14572.16	969.91	0.00
Hempstead Lake	9214.80*	Max WS	995.29	15.23	35.42		35.42	0.000000	0.07	14546.57	967.80	0.00
Hempstead Lake	9194.50*	Max WS	995.26	15.20	35.42		35.42	0.000000	0.07	14517.13	965.31	0.00
Hempstead Lake	9174.20*	Max WS	995.23	15.18	35.42		35.42	0.000000	0.07	14487.24	963.19	0.00
Hempstead Lake	9153.910	Max WS	995.28	15.15	35.42		35.42	0.000000	0.07	14458.52	960.94	0.00
Hempstead Lake	9133.22*	Max WS	1025.67	15.12	35.42		35.42	0.000000	0.07	14504.17	967.64	0.00
Hempstead Lake	9112.54*	Max WS	1025.63	15.10	35.42		35.42	0.000000	0.07	14545.40	974.15	0.00
Hempstead Lake	9091.85*	Max WS	1025.66	15.07	35.42		35.42	0.000000	0.07	14589.40	980.96	0.00
Hempstead Lake	9071.17*	Max WS	1025.68	15.05	35.42		35.42	0.000000	0.07	14630.21	987.80	0.00
Hempstead Lake	9050.49*	Max WS	1025.67	15.02	35.42		35.42	0.000000	0.07	14670.38	994.52	0.00
Hempstead Lake	9029.80*	Max WS	1025.66	15.00	35.42		35.42	0.000000	0.07	14708.65	1001.53	0.00
Hempstead Lake	9009.12*	Max WS	1025.65	14.97	35.42		35.42	0.000000	0.07	14747.00	1008.47	0.00
Hempstead Lake	8988.44*	Max WS	1025.65	14.95	35.42		35.42	0.000000	0.07	14783.70	1015.37	0.00
Hempstead Lake	8967.75*	Max WS	1025.63	14.92	35.42		35.42	0.000000	0.07	14819.36	1022.50	0.00
Hempstead Lake	8947.07*	Max WS	1025.64	14.90	35.42		35.42	0.000000	0.07	14853.50	1029.70	0.00
Hempstead Lake	8926.39*	Max WS	1025.59	14.87	35.42		35.42	0.000000	0.07	14887.02	1036.76	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	8905.70*	Max WS	1025.62	14.85	35.42		35.42	0.000000	0.07	14919.94	1044.11	0.00
Hempstead Lake	8885.02*	Max WS	1025.63	14.82	35.42		35.42	0.000000	0.07	14951.12	1051.60	0.00
Hempstead Lake	8864.33*	Max WS	1025.62	14.80	35.42		35.42	0.000000	0.07	14980.42	1059.01	0.00
Hempstead Lake	8843.65*	Max WS	1025.62	14.77	35.42		35.42	0.000000	0.07	15010.34	1066.72	0.00
Hempstead Lake	8822.97*	Max WS	1025.62	14.75	35.42		35.42	0.000000	0.07	15037.54	1074.61	0.00
Hempstead Lake	8802.28*	Max WS	1025.59	14.72	35.42		35.42	0.000000	0.07	15064.21	1082.90	0.00
Hempstead Lake	8781.60*	Max WS	1025.59	14.70	35.42		35.42	0.000000	0.07	15090.15	1092.13	0.00
Hempstead Lake	8760.92*	Max WS	1025.60	14.67	35.42		35.42	0.000000	0.07	15115.12	1101.25	0.00
Hempstead Lake	8740.23*	Max WS	1025.60	14.65	35.42		35.42	0.000000	0.07	15139.71	1110.58	0.00
Hempstead Lake	8719.55*	Max WS	1025.59	14.62	35.42		35.42	0.000000	0.07	15161.24	1120.55	0.00
Hempstead Lake	8698.86*	Max WS	1025.60	14.60	35.42		35.42	0.000000	0.07	15185.25	1131.07	0.00
Hempstead Lake	8678.18*	Max WS	1025.58	14.57	35.42		35.42	0.000000	0.07	15206.69	1142.11	0.00
Hempstead Lake	8657.50*	Max WS	1025.58	14.55	35.42		35.42	0.000000	0.07	15226.32	1154.25	0.00
Hempstead Lake	8636.81*	Max WS	1025.58	14.52	35.42		35.42	0.000000	0.07	15246.93	1168.24	0.00
Hempstead Lake	8616.13*	Max WS	1025.57	14.50	35.42		35.42	0.000000	0.07	15266.17	1199.33	0.00
Hempstead Lake	8595.45*	Max WS	1025.57	14.47	35.42		35.42	0.000000	0.07	15291.47	1254.91	0.00
Hempstead Lake	8574.76*	Max WS	1025.57	14.45	35.42		35.42	0.000000	0.07	15319.57	1331.45	0.00
Hempstead Lake	8554.08*	Max WS	1025.56	14.42	35.42		35.42	0.000000	0.07	15354.78	1369.17	0.00
Hempstead Lake	8533.39*	Max WS	1025.55	14.40	35.42		35.42	0.000000	0.07	15392.69	1403.06	0.00
Hempstead Lake	8512.71*	Max WS	1025.56	14.37	35.42		35.42	0.000000	0.07	15432.46	1447.92	0.00
Hempstead Lake	8492.03*	Max WS	1025.55	14.35	35.42		35.42	0.000000	0.07	15477.56	1492.66	0.00
Hempstead Lake	8471.34*	Max WS	1025.51	14.32	35.42		35.42	0.000000	0.07	15525.22	1530.86	0.00
Hempstead Lake	8450.66*	Max WS	1025.52	14.30	35.42		35.42	0.000000	0.07	15574.23	1547.99	0.00
Hempstead Lake	8429.980	Max WS	1025.54	14.27	35.42		35.42	0.000000	0.07	15622.39	1566.37	0.00
Hempstead Lake	8416.34*	Max WS	1025.54	14.25	35.42		35.42	0.000000	0.07	15708.71	1569.87	0.00
Hempstead Lake	8402.71*	Max WS	1025.53	14.23	35.42		35.42	0.000000	0.07	15796.20	1573.08	0.00
Hempstead Lake	8389.07*	Max WS	1025.53	14.21	35.42		35.42	0.000000	0.07	15883.00	1576.13	0.00
Hempstead Lake	8375.44*	Max WS	1025.50	14.19	35.42		35.42	0.000000	0.07	15973.51	1579.75	0.00
Hempstead Lake	8361.81*	Max WS	1025.50	14.16	35.42		35.42	0.000000	0.07	16061.09	1583.25	0.00
Hempstead Lake	8348.17*	Max WS	1025.52	14.14	35.42		35.42	0.000000	0.07	16150.65	1586.55	0.00
Hempstead Lake	8334.54*	Max WS	1025.44	14.12	35.42		35.42	0.000000	0.06	16238.87	1589.65	0.00
Hempstead Lake	8320.91*	Max WS	1025.50	14.10	35.42		35.42	0.000000	0.06	16328.45	1593.16	0.00
Hempstead Lake	8307.27*	Max WS	1025.51	14.08	35.42		35.42	0.000000	0.06	16417.25	1595.54	0.00
Hempstead Lake	8293.64*	Max WS	1025.50	14.06	35.42		35.42	0.000000	0.06	16510.05	1597.38	0.00
Hempstead Lake	8280.00*	Max WS	1025.50	14.04	35.42		35.42	0.000000	0.06	16600.87	1521.23	0.00
Hempstead Lake	8266.37*	Max WS	1025.49	14.02	35.42		35.42	0.000000	0.06	16692.73	1488.57	0.00
Hempstead Lake	8252.74*	Max WS	1025.32	13.99	35.42		35.42	0.000000	0.06	16788.84	1473.86	0.00
Hempstead Lake	8239.10*	Max WS	1025.49	13.97	35.42		35.42	0.000000	0.06	16884.55	1462.10	0.00
Hempstead Lake	8225.47*	Max WS	1025.32	13.95	35.42		35.42	0.000000	0.06	16984.59	1460.31	0.00
Hempstead Lake	8211.84*	Max WS	1025.32	13.93	35.42		35.42	0.000000	0.06	17083.09	1456.42	0.00
Hempstead Lake	8198.20*	Max WS	1025.19	13.91	35.42		35.42	0.000000	0.06	17184.05	1452.51	0.00
Hempstead Lake	8184.57*	Max WS	1025.41	13.89	35.42		35.42	0.000000	0.06	17283.83	1448.23	0.00
Hempstead Lake	8170.93*	Max WS	1025.41	13.87	35.42		35.42	0.000000	0.06	17385.20	1445.61	0.00
Hempstead Lake	8157.30*	Max WS	1025.32	13.85	35.42		35.42	0.000000	0.06	17485.42	1460.24	0.00
Hempstead Lake	8143.67*	Max WS	1025.40	13.82	35.42		35.42	0.000000	0.06	17591.66	1521.18	0.00
Hempstead Lake	8130.03*	Max WS	1025.39	13.80	35.42		35.42	0.000000	0.06	17695.66	1532.16	0.00
Hempstead Lake	8116.40*	Max WS	1024.75	13.78	35.42		35.42	0.000000	0.06	17804.28	1544.23	0.00
Hempstead Lake	8102.76*	Max WS	1024.99	13.76	35.42		35.42	0.000000	0.06	17910.98	1551.31	0.00
Hempstead Lake	8089.13*	Max WS	1024.99	13.74	35.42		35.42	0.000000	0.06	18017.11	1557.56	0.00
Hempstead Lake	8075.50*	Max WS	1025.17	13.72	35.42		35.42	0.000000	0.06	18127.23	1570.16	0.00
Hempstead Lake	8061.86*	Max WS	1025.17	13.70	35.42		35.42	0.000000	0.06	18236.90	1583.21	0.00
Hempstead Lake	8048.23*	Max WS	1025.30	13.68	35.42		35.42	0.000000	0.06	18347.75	1599.33	0.00
Hempstead Lake	8034.6*	Max WS	1024.76	13.65	35.42		35.42	0.000000	0.06	18460.43	1609.60	0.00
Hempstead Lake	8020.96*	Max WS	1024.75	13.63	35.42		35.42	0.000000	0.06	18576.03	1618.08	0.00
Hempstead Lake	8007.33*	Max WS	1024.98	13.61	35.42		35.42	0.000000	0.06	18689.15	1632.02	0.00
Hempstead Lake	7993.69*	Max WS	1024.97	13.59	35.42		35.42	0.000000	0.06	18805.32	1645.10	0.00
Hempstead Lake	7980.06*	Max WS	1024.48	13.57	35.42		35.42	0.000000	0.06	18920.78	1662.23	0.00
Hempstead Lake	7966.43*	Max WS	1024.74	13.55	35.42		35.42	0.000000	0.06	19039.82	1682.80	0.00
Hempstead Lake	7952.79*	Max WS	1024.74	13.53	35.42		35.42	0.000000	0.05	19159.31	1711.63	0.00
Hempstead Lake	7939.16*	Max WS	1024.96	13.51	35.42		35.42	0.000000	0.05	19280.92	1740.40	0.00
Hempstead Lake	7925.53*	Max WS	1024.95	13.48	35.42		35.42	0.000000	0.05	19404.93	1762.75	0.00
Hempstead Lake	7911.89*	Max WS	1024.94	13.46	35.42		35.42	0.000000	0.05	19530.06	1793.74	0.00
Hempstead Lake	7898.26*	Max WS	1024.14	13.44	35.42		35.42	0.000000	0.05	19658.73	1826.27	0.00
Hempstead Lake	7884.62*	Max WS	1024.47	13.42	35.42		35.42	0.000000	0.05	19787.91	1863.33	0.00
Hempstead Lake	7870.99*	Max WS	1024.47	13.40	35.42		35.42	0.000000	0.05	19921.47	1915.51	0.00
Hempstead Lake	7857.36*	Max WS	1024.46	13.38	35.42		35.42	0.000000	0.05	20058.43	1973.62	0.00
Hempstead Lake	7843.72*	Max WS	1023.34	13.36	35.42		35.42	0.000000	0.05	20202.28	2029.24	0.00
Hempstead Lake	7830.09*	Max WS	1023.77	13.34	35.42		35.42	0.000000	0.05	20346.63	2085.88	0.00
Hempstead Lake	7816.45*	Max WS	1024.45	13.31	35.42		35.42	0.000000	0.05	20497.02	2136.12	0.00
Hempstead Lake	7802.82*	Max WS	1023.34	13.29	35.42		35.42	0.000000	0.05	20649.13	2199.67	0.00
Hempstead Lake	7789.19*	Max WS	1023.34	13.27	35.42		35.42	0.000000	0.05	20808.11	2264.77	0.00
Hempstead Lake	7775.55*	Max WS	1024.13	13.25	35.42		35.42	0.000000	0.05	20976.63	2843.93	0.00
Hempstead Lake	7761.92*	Max WS	1022.87	13.23	35.42		35.42	0.000000	0.05	21182.20	2850.18	0.00
Hempstead Lake	7748.29*	Max WS	1023.75	13.21	35.42		35.42	0.000000	0.05	21387.02	2857.27	0.00
Hempstead Lake	7734.65*	Max WS	1022.85	13.19	35.42		35.42	0.000000	0.05	21593.64	2864.04	0.00
Hempstead Lake	7721.02*	Max WS	1023.33	13.17	35.42		35.42	0.000000	0.05	21804.96	2871.17	0.00
Hempstead Lake	7707.38*	Max WS	1022.33	13.14	35.42		35.42	0.000000	0.05	22008.76	2878.74	0.00
Hempstead Lake	7693.75*	Max WS	1023.32	13.12	35.42		35.42	0.000000	0.05	22219.81	2886.06	0.00
Hempstead Lake	7680.12*	Max WS	1022.85	13.10	35.42		35.42	0.000000	0.05	22426.51	2894.17	0.00
Hempstead Lake	7666.48*	Max WS	1021.07	13.08	35.42		35.42	0.000000	0.05	22641.93	2902.10	0.00
Hempstead Lake	7652.85*	Max WS	1021.73	13.06	35.42		35.42	0.000000	0.05	22848.99	2910.04	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7639.22*	Max WS	1022.30	13.04	35.42		35.42	0.000000	0.05	23064.22	2918.18	0.00
Hempstead Lake	7625.58*	Max WS	1021.07	13.02	35.42		35.42	0.000000	0.05	23279.76	2928.23	0.00
Hempstead Lake	7611.95*	Max WS	1021.71	13.00	35.42		35.42	0.000000	0.05	23489.89	2936.88	0.00
Hempstead Lake	7598.31*	Max WS	1022.29	12.97	35.42		35.42	0.000000	0.05	23706.04	2946.21	0.00
Hempstead Lake	7584.68*	Max WS	1020.40	12.95	35.42		35.42	0.000000	0.05	23921.22	2956.75	0.00
Hempstead Lake	7571.05*	Max WS	1021.06	12.93	35.42		35.42	0.000000	0.05	24140.86	2967.16	0.00
Hempstead Lake	7557.41*	Max WS	1021.70	12.91	35.42		35.42	0.000000	0.05	24356.08	2978.46	0.00
Hempstead Lake	7543.783	Max WS	1022.27	12.89	35.42		35.42	0.000000	0.05	24576.13	2990.10	0.00
Hempstead Lake	7530.03*	Max WS	1039.35	12.85	35.42		35.42	0.000000	0.05	24722.80	3002.00	0.00
Hempstead Lake	7516.28*	Max WS	1038.76	12.82	35.42		35.42	0.000000	0.05	24870.03	3013.63	0.00
Hempstead Lake	7502.53*	Max WS	1038.75	12.78	35.42		35.42	0.000000	0.05	25018.46	3025.80	0.00
Hempstead Lake	7488.79*	Max WS	1038.75	12.74	35.42		35.42	0.000000	0.05	25168.41	3038.03	0.00
Hempstead Lake	7475.04*	Max WS	1039.29	12.71	35.42		35.42	0.000000	0.05	25316.99	3050.83	0.00
Hempstead Lake	7461.29*	Max WS	1037.46	12.67	35.42		35.42	0.000000	0.05	25467.07	3064.53	0.00
Hempstead Lake	7447.54*	Max WS	1038.73	12.63	35.42		35.42	0.000000	0.05	25620.78	3077.36	0.00
Hempstead Lake	7433.79*	Max WS	1038.14	12.60	35.42		35.42	0.000000	0.05	25771.01	3089.75	0.00
Hempstead Lake	7420.04*	Max WS	1037.44	12.56	35.42		35.42	0.000000	0.05	25922.51	3102.81	0.00
Hempstead Lake	7406.3*	Max WS	1038.12	12.52	35.42		35.42	0.000000	0.05	26078.27	3117.56	0.00
Hempstead Lake	7392.55*	Max WS	1038.11	12.49	35.42		35.42	0.000000	0.05	26233.75	3131.64	0.00
Hempstead Lake	7378.80*	Max WS	1035.96	12.45	35.42		35.42	0.000000	0.04	26386.62	3147.17	0.00
Hempstead Lake	7365.05*	Max WS	1037.44	12.41	35.42		35.42	0.000000	0.04	26544.47	3180.63	0.00
Hempstead Lake	7351.30*	Max WS	1037.43	12.38	35.42		35.42	0.000000	0.04	26702.43	3224.47	0.00
Hempstead Lake	7337.55*	Max WS	1036.73	12.34	35.42		35.42	0.000000	0.04	26859.97	3268.03	0.00
Hempstead Lake	7323.81*	Max WS	1036.71	12.30	35.42		35.42	0.000000	0.04	27021.37	3308.31	0.00
Hempstead Lake	7310.06*	Max WS	1036.70	12.26	35.42		35.42	0.000000	0.04	27184.29	3331.92	0.00
Hempstead Lake	7296.31*	Max WS	1037.41	12.23	35.42		35.42	0.000000	0.04	27348.28	3339.18	0.00
Hempstead Lake	7282.56*	Max WS	1036.69	12.19	35.42		35.42	0.000000	0.04	27511.39	3346.94	0.00
Hempstead Lake	7268.81*	Max WS	1037.38	12.15	35.42		35.42	0.000000	0.04	27676.54	3355.07	0.00
Hempstead Lake	7255.06*	Max WS	1037.37	12.12	35.42		35.42	0.000000	0.04	27839.85	3363.51	0.00
Hempstead Lake	7241.32*	Max WS	1037.36	12.08	35.42		35.42	0.000000	0.04	28005.39	3372.05	0.00
Hempstead Lake	7227.57*	Max WS	1036.69	12.04	35.42		35.42	0.000000	0.04	28173.27	3381.92	0.00
Hempstead Lake	7213.82*	Max WS	1036.68	12.01	35.42		35.42	0.000000	0.04	28337.93	3391.34	0.00
Hempstead Lake	7200.07*	Max WS	1037.33	11.97	35.42		35.42	0.000000	0.04	28502.62	3403.91	0.00
Hempstead Lake	7186.32*	Max WS	1034.33	11.93	35.42		35.42	0.000000	0.04	28672.97	3416.02	0.00
Hempstead Lake	7172.57*	Max WS	1036.66	11.90	35.42		35.42	0.000000	0.04	28841.22	3429.87	0.00
Hempstead Lake	7158.83*	Max WS	1035.92	11.86	35.42		35.42	0.000000	0.04	29009.75	3443.55	0.00
Hempstead Lake	7145.08*	Max WS	1035.18	11.82	35.42		35.42	0.000000	0.04	29181.38	3459.05	0.00
Hempstead Lake	7131.33*	Max WS	1036.57	11.79	35.42		35.42	0.000000	0.04	29354.54	3475.34	0.00
Hempstead Lake	7117.58*	Max WS	1035.85	11.75	35.42		35.42	0.000000	0.04	29530.10	3494.50	0.00
Hempstead Lake	7103.83*	Max WS	1034.35	11.71	35.42		35.42	0.000000	0.04	29704.84	3514.36	0.00
Hempstead Lake	7090.08*	Max WS	1035.09	11.68	35.42		35.42	0.000000	0.04	29878.75	3535.81	0.00
Hempstead Lake	7076.34*	Max WS	1036.43	11.64	35.42		35.42	0.000000	0.04	30059.57	3558.42	0.00
Hempstead Lake	7062.59*	Max WS	1034.33	11.60	35.42		35.42	0.000000	0.04	30236.04	3581.44	0.00
Hempstead Lake	7048.84*	Max WS	1035.77	11.57	35.42		35.42	0.000000	0.04	30415.80	3610.51	0.00
Hempstead Lake	7035.09*	Max WS	1035.01	11.53	35.42		35.42	0.000000	0.04	30602.96	3644.32	0.00
Hempstead Lake	7021.34*	Max WS	1034.27	11.49	35.42		35.42	0.000000	0.04	30787.96	3677.45	0.00
Hempstead Lake	7007.6*	Max WS	1034.98	11.46	35.42		35.42	0.000000	0.04	30977.68	3713.07	0.00
Hempstead Lake	6993.85*	Max WS	1034.95	11.42	35.42		35.42	0.000000	0.04	31168.32	3745.63	0.00
Hempstead Lake	6980.10*	Max WS	1035.58	11.38	35.42		35.42	0.000000	0.04	31365.57	3785.82	0.00
Hempstead Lake	6966.35*	Max WS	1035.55	11.35	35.42		35.42	0.000000	0.04	31561.33	3790.55	0.00
Hempstead Lake	6952.60*	Max WS	1033.62	11.31	35.42		35.42	0.000000	0.04	31759.97	3794.70	0.00
Hempstead Lake	6938.85*	Max WS	1034.90	11.27	35.42		35.42	0.000000	0.04	31957.80	3798.85	0.00
Hempstead Lake	6925.11*	Max WS	1034.88	11.23	35.42		35.42	0.000000	0.04	32155.43	3803.01	0.00
Hempstead Lake	6911.36*	Max WS	1034.28	11.20	35.42		35.42	0.000000	0.04	32358.10	3807.16	0.00
Hempstead Lake	6897.61*	Max WS	1034.27	11.16	35.42		35.42	0.000000	0.04	32557.73	3811.31	0.00
Hempstead Lake	6883.86*	Max WS	1034.84	11.12	35.42		35.42	0.000000	0.04	32759.86	3815.47	0.00
Hempstead Lake	6870.11*	Max WS	1034.26	11.09	35.42		35.42	0.000000	0.04	32961.82	3819.62	0.00
Hempstead Lake	6856.36*	Max WS	1035.40	11.05	35.42		35.42	0.000000	0.04	33166.00	3823.77	0.00
Hempstead Lake	6842.62*	Max WS	1035.37	11.01	35.42		35.42	0.000000	0.04	33368.26	3827.92	0.00
Hempstead Lake	6828.87*	Max WS	1033.64	10.98	35.42		35.42	0.000000	0.04	33573.68	3832.08	0.00
Hempstead Lake	6815.12*	Max WS	1034.24	10.94	35.42		35.42	0.000000	0.04	33780.01	3836.23	0.00
Hempstead Lake	6801.37*	Max WS	1034.80	10.90	35.42		35.42	0.000000	0.04	33986.34	3840.38	0.00
Hempstead Lake	6787.62*	Max WS	1034.75	10.87	35.42		35.42	0.000000	0.04	34193.13	3844.54	0.00
Hempstead Lake	6773.87*	Max WS	1033.56	10.83	35.42		35.42	0.000000	0.04	34400.96	3848.69	0.00
Hempstead Lake	6760.13*	Max WS	1034.19	10.79	35.42		35.42	0.000000	0.04	34612.27	3852.84	0.00
Hempstead Lake	6746.38*	Max WS	1034.15	10.76	35.42		35.42	0.000000	0.04	34820.45	3857.00	0.00
Hempstead Lake	6732.634	Max WS	1033.56	10.72	35.42		35.42	0.000000	0.04	35031.47	3861.15	0.00
Hempstead Lake	6718.98*	Max WS	1033.54	10.73	35.42		35.42	0.000000	0.04	34880.00	3855.10	0.00
Hempstead Lake	6705.33*	Max WS	1033.13	10.74	35.42		35.42	0.000000	0.04	34730.49	3849.04	0.00
Hempstead Lake	6691.68*	Max WS	1034.01	10.75	35.42		35.42	0.000000	0.04	34577.52	3842.99	0.00
Hempstead Lake	6678.03*	Max WS	1033.99	10.76	35.42		35.42	0.000000	0.04	34426.98	3836.94	0.00
Hempstead Lake	6664.38*	Max WS	1033.54	10.77	35.42		35.42	0.000000	0.04	34278.09	3830.88	0.00
Hempstead Lake	6650.72*	Max WS	1033.49	10.78	35.42		35.42	0.000000	0.04	34128.93	3824.83	0.00
Hempstead Lake	6637.07*	Max WS	1033.91	10.79	35.42		35.42	0.000000	0.04	33982.21	3818.77	0.00
Hempstead Lake	6623.42*	Max WS	1033.87	10.80	35.42		35.42	0.000000	0.04	33832.68	3812.72	0.00
Hempstead Lake	6609.77*	Max WS	1033.49	10.81	35.42		35.42	0.000000	0.04	33685.55	3806.67	0.00
Hempstead Lake	6596.12*	Max WS	1033.80	10.82	35.42		35.42	0.000000	0.04	33536.48	3800.61	0.00
Hempstead Lake	6582.47*	Max WS	1033.77	10.83	35.42		35.42	0.000000	0.04	33390.57	3778.71	0.00
Hempstead Lake	6568.82*	Max WS	1034.14	10.84	35.42		35.42	0.000000	0.04	33244.42	3766.42	0.00
Hempstead Lake	6555.17*	Max WS	1033.76	10.85	35.42		35.42	0.000000	0.04	33099.48	3755.85	0.00
Hempstead Lake	6541.52*	Max WS	1033.71	10.86	35.42		35.42	0.000000	0.04	32955.96	3744.19	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6527.87*	Max WS	1033.97	10.87	35.42		35.42	0.000000	0.04	32810.48	3732.88	0.00
Hempstead Lake	6514.22*	Max WS	1033.43	10.88	35.42		35.42	0.000000	0.04	32667.63	3721.19	0.00
Hempstead Lake	6500.57*	Max WS	1033.39	10.89	35.42		35.42	0.000000	0.04	32525.33	3710.41	0.00
Hempstead Lake	6486.91*	Max WS	1033.35	10.91	35.42		35.42	0.000000	0.04	32382.20	3699.90	0.00
Hempstead Lake	6473.26*	Max WS	1033.32	10.92	35.42		35.42	0.000000	0.04	32239.82	3689.65	0.00
Hempstead Lake	6459.61*	Max WS	1033.29	10.93	35.42		35.42	0.000000	0.04	32100.94	3678.63	0.00
Hempstead Lake	6445.96*	Max WS	1033.55	10.94	35.42		35.42	0.000000	0.04	31959.40	3668.78	0.00
Hempstead Lake	6432.31*	Max WS	1033.29	10.95	35.42		35.42	0.000000	0.04	31819.58	3659.14	0.00
Hempstead Lake	6418.66*	Max WS	1033.27	10.96	35.42		35.42	0.000000	0.04	31678.70	3649.69	0.00
Hempstead Lake	6405.01*	Max WS	1033.46	10.97	35.42		35.42	0.000000	0.04	31540.43	3639.73	0.00
Hempstead Lake	6391.36*	Max WS	1033.27	10.98	35.42		35.42	0.000000	0.04	31404.10	3631.46	0.00
Hempstead Lake	6377.71*	Max WS	1033.25	10.99	35.42		35.42	0.000000	0.04	31265.31	3623.30	0.00
Hempstead Lake	6364.06*	Max WS	1033.24	11.00	35.42		35.42	0.000000	0.04	31129.22	3615.10	0.00
Hempstead Lake	6350.41*	Max WS	1032.88	11.01	35.42		35.42	0.000000	0.04	30993.10	3606.65	0.00
Hempstead Lake	6336.76*	Max WS	1033.19	11.02	35.42		35.42	0.000000	0.04	30858.37	3598.58	0.00
Hempstead Lake	6323.11*	Max WS	1033.37	11.03	35.42		35.42	0.000000	0.04	30722.06	3590.77	0.00
Hempstead Lake	6309.45*	Max WS	1033.07	11.04	35.42		35.42	0.000000	0.04	30586.87	3582.79	0.00
Hempstead Lake	6295.80*	Max WS	1033.05	11.05	35.42		35.42	0.000000	0.04	30452.21	3574.84	0.00
Hempstead Lake	6282.15*	Max WS	1033.20	11.06	35.42		35.42	0.000000	0.05	30318.88	3567.26	0.00
Hempstead Lake	6268.507	Max WS	1033.16	11.07	35.42		35.42	0.000000	0.05	30185.05	3559.45	0.00
Hempstead Lake	6259.72*	Max WS	1033.13	11.10	35.42		35.42	0.000000	0.04	29709.27	3355.72	0.00
Hempstead Lake	6250.93*	Max WS	1033.04	11.14	35.42		35.42	0.000000	0.04	29333.74	3152.47	0.00
Hempstead Lake	6242.14*	Max WS	1033.08	11.17	35.42		35.42	0.000000	0.04	29058.96	2948.80	0.00
Hempstead Lake	6233.35*	Max WS	1033.00	11.21	35.42		35.42	0.000000	0.04	28883.86	2745.80	0.00
Hempstead Lake	6224.57*	Max WS	1033.02	11.24	35.42		35.42	0.000000	0.04	28811.94	2545.18	0.00
Hempstead Lake	6215.78*	Max WS	1033.05	11.27	35.42		35.42	0.000000	0.04	28843.12	2338.18	0.00
Hempstead Lake	6206.99*	Max WS	1033.04	11.31	35.42		35.42	0.000000	0.04	28970.75	2118.66	0.00
Hempstead Lake	6198.21*	Max WS	1033.01	11.34	35.42		35.42	0.000000	0.04	29673.52	2213.21	0.00
Hempstead Lake	6189.42*	Max WS	1033.02	11.38	35.42		35.42	0.000000	0.04	29693.82	1882.45	0.00
Hempstead Lake	6180.638	Max WS	1033.01	11.41	35.42		35.42	0.000000	0.03	29978.75	1541.19	0.00
Hempstead Lake	6177.638	Max WS	1033.01	11.00	35.42	11.28	35.42	0.000000	0.03	30444.29	1541.19	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	1032.84	10.80	21.25		21.28	0.001293	1.48	699.13	241.52	0.15
Hempstead Lake	5930.638	Max WS	1032.84	10.80	21.22		21.24	0.000536	1.01	1026.64	323.26	0.10
Hempstead Lake	5880.638	Max WS	1032.83	10.80	21.20		21.21	0.000386	0.93	1110.87	308.32	0.09
Hempstead Lake	5830.638	Max WS	1032.83	10.80	21.18		21.20	0.000329	0.90	1149.58	298.07	0.08
Hempstead Lake	5780.638	Max WS	1032.82	10.80	21.15		21.17	0.000634	1.06	971.37	319.64	0.11
Hempstead Lake	5730.638	Max WS	1032.81	10.80	21.12		21.14	0.000832	1.11	957.31	397.35	0.12
Hempstead Lake	5680.638	Max WS	1032.80	10.80	21.10		21.11	0.000518	0.88	1189.55	449.84	0.09
Hempstead Lake	5630.638	Max WS	1032.80	10.80	21.06		21.07	0.000497	0.72	1274.57	539.92	0.09
Hempstead Lake	5580.638	Max WS	1032.79	10.80	21.03		21.04	0.000572	0.72	1295.98	624.99	0.09
Hempstead Lake	5530.638	Max WS	1032.79	10.80	21.00		21.01	0.000705	0.78	1258.29	676.86	0.10
Hempstead Lake	5480.638	Max WS	1032.78	10.80	20.94		20.96	0.001288	0.93	1067.79	690.36	0.13
Hempstead Lake	5430.638	Max WS	1032.77	10.60	20.84		20.86	0.002295	1.06	935.77	733.80	0.17
Hempstead Lake	5380.638	Max WS	1032.77	10.40	20.77		20.79	0.000431	1.23	962.62	770.48	0.19
Hempstead Lake	5330.638	Max WS	924.39	10.20	18.62		20.17	0.051136	9.98	92.59	11.00	0.61
Hempstead Lake	5307.48*	Max WS	969.19	7.93	18.65		18.77	0.020969	2.71	357.06	368.45	0.49
Hempstead Lake	5284.32*	Max WS	968.87	7.87	18.48		18.52	0.003881	1.59	607.70	396.32	0.23
Hempstead Lake	5261.17*	Max WS	968.82	7.80	18.45		18.47	0.001057	1.05	919.16	423.38	0.13
Hempstead Lake	5238.01*	Max WS	968.78	7.73	18.44		18.45	0.000395	0.78	1247.65	447.15	0.08
Hempstead Lake	5214.85*	Max WS	968.76	7.67	18.44		18.44	0.000183	0.61	1582.69	467.75	0.06
Hempstead Lake	5191.70*	Max WS	968.74	7.60	18.44		18.44	0.000096	0.51	1918.61	478.13	0.04
Hempstead Lake	5168.54*	Max WS	968.74	7.54	18.43		18.44	0.000056	0.43	2254.05	484.37	0.03
Hempstead Lake	5145.39*	Max WS	968.10	7.47	18.43		18.44	0.000035	0.38	2585.12	488.74	0.03
Hempstead Lake	5122.23*	Max WS	968.04	7.40	18.43		18.44	0.000024	0.33	2912.47	492.00	0.02
Hempstead Lake	5099.07*	Max WS	967.97	7.34	18.43		18.44	0.000017	0.30	3235.69	494.39	0.02
Hempstead Lake	5075.922	Max WS	967.91	7.27	18.43		18.44	0.000002	0.27	3554.79	495.91	0.02
Hempstead Lake	5055.96*	Max WS	967.85	7.23	18.43		18.44	0.000010	0.26	3709.13	660.39	0.02
Hempstead Lake	5036.01*	Max WS	967.79	7.20	18.43		18.43	0.000007	0.24	4012.35	687.50	0.02
Hempstead Lake	5016.05*	Max WS	967.73	7.16	18.43		18.43	0.000005	0.22	4335.57	699.60	0.02
Hempstead Lake	4996.10*	Max WS	967.68	7.12	18.43		18.43	0.000003	0.21	4679.99	742.10	0.01
Hempstead Lake	4976.14*	Max WS	967.63	7.09	18.43		18.43	0.000002	0.19	5040.11	760.45	0.01
Hempstead Lake	4956.192	Max WS	967.59	7.05	18.43		18.43	0.000001	0.18	5414.46	767.20	0.01
Hempstead Lake	4936.44*	Max WS	967.55	7.02	18.43		18.43	0.000001	0.17	5778.86	868.73	0.01
Hempstead Lake	4916.69*	Max WS	967.52	6.98	18.43		18.43	0.000001	0.16	6199.61	908.37	0.01
Hempstead Lake	4896.94*	Max WS	967.49	6.95	18.43		18.43	0.000002	0.15	6631.29	944.22	0.01
Hempstead Lake	4877.19*	Max WS	967.47	6.91	18.43		18.43	0.000002	0.14	7073.00	949.11	0.01
Hempstead Lake	4857.44*	Max WS	967.45	6.88	18.43		18.43	0.000002	0.13	7518.58	951.33	0.01
Hempstead Lake	4837.697	Max WS	965.91	6.84	18.43		18.43	0.000000	0.12	7969.23	952.56	0.01
Hempstead Lake	4817.64*	Max WS	1227.06	6.81	18.43		18.43	0.000003	0.15	8016.46	951.75	0.01
Hempstead Lake	4797.59*	Max WS	1226.93	6.77	18.43		18.43	0.000003	0.15	8069.24	949.74	0.01
Hempstead Lake	4777.53*	Max WS	1226.82	6.67	18.43		18.43	0.000003	0.15	8128.73	941.25	0.01
Hempstead Lake	4757.48*	Max WS	1226.72	6.58	18.43		18.43	0.000003	0.15	8191.61	934.82	0.01
Hempstead Lake	4737.42*	Max WS	1226.62	6.49	18.43		18.43	0.000003	0.15	8257.64	930.00	0.01
Hempstead Lake	4717.37*	Max WS	1226.53	6.40	18.43		18.43	0.000003	0.15	8324.33	927.58	0.01
Hempstead Lake	4697.32*	Max WS	1226.45	6.30	18.43		18.43	0.000003	0.15	8395.03	924.80	0.01
Hempstead Lake	4677.26*	Max WS	1226.38	6.21	18.43		18.43	0.000003	0.15	8465.67	921.90	0.01
Hempstead Lake	4657.21*	Max WS	1226.32	6.12	18.43		18.43	0.000002	0.14	8537.74	919.02	0.01
Hempstead Lake	4637.16*	Max WS	1226.27	6.02	18.43		18.43	0.000002	0.14	8610.46	916.04	0.01
Hempstead Lake	4617.10*	Max WS	1226.24	5.91	18.43		18.43	0.000002	0.14	8684.56	912.94	0.01
Hempstead Lake	4597.05*	Max WS	1226.21	5.76	18.43		18.43	0.000002	0.14	8757.84	909.83	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4577.*	Max WS	1226.20	5.60	18.43		18.43	0.000002	0.14	8833.63	906.86	0.01
Hempstead Lake	4556.94*	Max WS	1224.77	5.45	18.43		18.43	0.000002	0.14	8910.15	903.77	0.01
Hempstead Lake	4536.893	Max WS	1224.64	5.30	18.43		18.43	0.000000	0.14	8986.96	900.70	0.01
Hempstead Lake	4516.70*	Max WS	1230.20	5.16	18.43		18.43	0.000002	0.14	9045.41	901.52	0.01
Hempstead Lake	4496.51*	Max WS	1230.10	5.02	18.43		18.43	0.000002	0.13	9110.17	901.84	0.01
Hempstead Lake	4476.32*	Max WS	1229.99	4.88	18.43		18.43	0.000002	0.13	9181.80	901.90	0.01
Hempstead Lake	4456.14*	Max WS	1229.90	4.74	18.43		18.43	0.000002	0.13	9256.88	901.44	0.01
Hempstead Lake	4435.95*	Max WS	1229.82	4.60	18.43		18.43	0.000002	0.13	9338.81	900.84	0.01
Hempstead Lake	4415.76*	Max WS	1229.74	4.46	18.43		18.43	0.000002	0.13	9425.42	899.79	0.01
Hempstead Lake	4395.57*	Max WS	1229.68	4.32	18.43		18.43	0.000002	0.13	9517.65	898.59	0.01
Hempstead Lake	4375.38*	Max WS	1229.62	4.18	18.43		18.43	0.000002	0.13	9614.79	897.15	0.01
Hempstead Lake	4355.20*	Max WS	1229.58	4.04	18.43		18.43	0.000002	0.13	9717.78	895.20	0.01
Hempstead Lake	4335.01*	Max WS	1229.55	3.90	18.43		18.43	0.000001	0.13	9825.46	893.33	0.01
Hempstead Lake	4314.82*	Max WS	1229.54	3.76	18.43		18.43	0.000001	0.12	9938.79	891.78	0.01
Hempstead Lake	4294.63*	Max WS	1227.96	3.62	18.43		18.43	0.000001	0.12	10056.63	890.24	0.01
Hempstead Lake	4274.44*	Max WS	1227.82	3.48	18.43		18.43	0.000001	0.12	10178.43	888.56	0.01
Hempstead Lake	4254.26*	Max WS	1227.70	3.34	18.43		18.43	0.000001	0.12	10305.68	886.83	0.01
Hempstead Lake	4234.07*	Max WS	1227.58	3.20	18.43		18.43	0.000001	0.12	10438.27	885.03	0.01
Hempstead Lake	4213.88*	Max WS	1227.47	3.06	18.43		18.43	0.000001	0.12	10575.87	883.25	0.01
Hempstead Lake	4193.69*	Max WS	1227.37	2.92	18.43		18.43	0.000001	0.11	10717.11	881.33	0.01
Hempstead Lake	4173.50*	Max WS	1227.27	2.78	18.43		18.43	0.000001	0.11	10863.87	879.40	0.01
Hempstead Lake	4153.320	Max WS	1227.18	2.64	18.43		18.43	0.000000	0.11	11015.07	877.41	0.01
Hempstead Lake	4131.85*	Max WS	1238.67	2.69	18.43		18.43	0.000001	0.11	10943.45	876.34	0.01
Hempstead Lake	4110.38*	Max WS	1238.60	2.75	18.43		18.43	0.000001	0.11	10875.60	875.42	0.01
Hempstead Lake	4088.91*	Max WS	1238.54	2.80	18.43		18.43	0.000001	0.12	10814.96	874.38	0.01
Hempstead Lake	4067.44*	Max WS	1238.49	2.86	18.43		18.43	0.000001	0.12	10756.57	873.44	0.01
Hempstead Lake	4045.97*	Max WS	1238.46	2.91	18.43		18.43	0.000001	0.12	10706.01	872.48	0.01
Hempstead Lake	4024.50*	Max WS	1238.45	2.97	18.43		18.43	0.000001	0.12	10657.89	871.65	0.01
Hempstead Lake	4003.034	Max WS	1236.75	3.02	18.43		18.43	0.000000	0.12	10617.23	870.89	0.01
Hempstead Lake	3984.01*	Max WS	1236.62	3.78	18.43		18.43	0.000002	0.13	9605.96	854.63	0.01
Hempstead Lake	3964.99*	Max WS	1236.50	4.54	18.43		18.43	0.000002	0.15	8616.02	838.48	0.01
Hempstead Lake	3945.97*	Max WS	1236.38	5.30	18.43		18.43	0.000003	0.16	7647.69	826.42	0.01
Hempstead Lake	3926.95*	Max WS	1236.28	6.06	18.43		18.43	0.000005	0.19	6704.35	814.20	0.01
Hempstead Lake	3907.93*	Max WS	1236.19	6.82	18.43		18.43	0.000008	0.22	5784.59	801.35	0.01
Hempstead Lake	3888.916	Max WS	1236.12	7.58	18.43		18.43	0.000002	0.26	4885.99	785.76	0.02
Hempstead Lake	3883.916	Max WS	1249.17	7.20	18.43	9.29	18.43	0.000002	0.27	4781.74	775.94	0.02
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	1249.17	7.19	18.42		18.42	0.000003	0.30	4217.28	763.25	0.02
Hempstead Lake	3858.916	Max WS	1249.16	7.17	18.42		18.42	0.000004	0.31	4090.90	762.59	0.02
Hempstead Lake	3826.579	Max WS	1249.11	6.10	18.42		18.42	0.000009	0.42	2993.25	748.49	0.04
Hempstead Lake	3821.579	Max WS	1248.24	6.02	18.42		18.42	0.000010	0.44	2866.30	724.03	0.04
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	1249.11	5.94	18.40		18.41	0.000031	0.45	2849.45	732.43	0.04
Hempstead Lake	3736.579	Max WS	1249.10	5.88	18.40		18.41	0.000009	0.42	3063.59	730.28	0.03
Hempstead Lake	3699.46*	Max WS	1247.99	5.83	18.41		18.41	0.000009	0.39	3299.23	742.07	0.03
Hempstead Lake	3662.35*	Max WS	1247.76	5.78	18.40		18.41	0.000008	0.37	3578.02	806.55	0.03
Hempstead Lake	3625.24*	Max WS	1247.56	5.74	18.40		18.41	0.000007	0.34	3903.47	878.71	0.02
Hempstead Lake	3588.13*	Max WS	1247.42	5.69	18.40		18.41	0.000006	0.32	4266.42	911.65	0.02
Hempstead Lake	3551.028	Max WS	1247.34	5.64	18.40		18.41	0.000004	0.31	4661.14	943.35	0.02
Hempstead Lake	3531.67*	Max WS	1246.15	5.61	18.40		18.41	0.000007	0.31	4458.25	927.20	0.02
Hempstead Lake	3512.33*	Max WS	1245.94	5.58	18.40		18.41	0.000007	0.32	4257.75	914.01	0.02
Hempstead Lake	3492.98*	Max WS	1245.75	5.55	18.40		18.41	0.000008	0.34	4058.22	900.97	0.02
Hempstead Lake	3473.63*	Max WS	1245.58	5.52	18.40		18.41	0.000008	0.35	3861.92	883.30	0.02
Hempstead Lake	3454.28*	Max WS	1245.43	5.49	18.40		18.41	0.000008	0.36	3677.36	842.18	0.02
Hempstead Lake	3434.93*	Max WS	1245.30	5.46	18.40		18.41	0.000007	0.37	3516.84	722.08	0.03
Hempstead Lake	3415.58*	Max WS	1245.21	5.43	18.40		18.41	0.000007	0.38	3416.85	665.10	0.03
Hempstead Lake	3396.239	Max WS	1245.14	5.40	18.40		18.41	0.000009	0.39	3323.47	651.72	0.03
Hempstead Lake	3376.88*	Max WS	1245.09	5.37	18.40		18.40	0.000007	0.39	3327.97	656.07	0.03
Hempstead Lake	3357.52*	Max WS	1245.06	5.34	18.40		18.40	0.000007	0.39	3334.23	660.99	0.03
Hempstead Lake	3338.16*	Max WS	1244.00	5.32	18.40		18.40	0.000008	0.39	3339.48	667.92	0.03
Hempstead Lake	3318.80*	Max WS	1243.86	5.29	18.40		18.40	0.000008	0.39	3346.37	673.91	0.03
Hempstead Lake	3299.44*	Max WS	1243.72	5.26	18.40		18.40	0.000008	0.39	3352.12	679.57	0.03
Hempstead Lake	3280.08*	Max WS	1243.59	5.23	18.40		18.40	0.000009	0.40	3359.70	683.53	0.03
Hempstead Lake	3260.73*	Max WS	1243.47	5.21	18.40		18.40	0.000009	0.40	3365.92	686.34	0.03
Hempstead Lake	3241.37*	Max WS	1243.36	5.18	18.40		18.40	0.000009	0.40	3372.19	689.19	0.03
Hempstead Lake	3222.01*	Max WS	1243.26	5.15	18.40		18.40	0.000009	0.40	3379.81	690.96	0.03
Hempstead Lake	3202.65*	Max WS	1243.17	5.12	18.40		18.40	0.000009	0.40	3386.06	692.90	0.03
Hempstead Lake	3183.29*	Max WS	1243.09	5.10	18.40		18.40	0.000010	0.40	3392.66	694.02	0.03
Hempstead Lake	3163.93*	Max WS	1243.04	5.07	18.40		18.40	0.000010	0.40	3398.34	695.22	0.03
Hempstead Lake	3144.581	Max WS	1243.01	5.04	18.40		18.40	0.000008	0.41	3404.90	695.52	0.03
Hempstead Lake	3124.73*	Max WS	1242.02	5.01	18.40		18.40	0.000008	0.41	3415.42	697.52	0.03
Hempstead Lake	3104.89*	Max WS	1241.83	4.98	18.40		18.40	0.000008	0.41	3427.09	699.49	0.03
Hempstead Lake	3085.04*	Max WS	1241.64	4.95	18.40		18.40	0.000008	0.40	3439.70	702.21	0.03
Hempstead Lake	3065.2*	Max WS	1241.47	4.92	18.40		18.40	0.000008	0.40	3451.17	706.36	0.03
Hempstead Lake	3045.35*	Max WS	1241.30	4.88	18.40		18.40	0.000007	0.40	3464.40	709.74	0.03
Hempstead Lake	3025.51*	Max WS	1241.14	4.85	18.40		18.40	0.000007	0.40	3477.92	711.41	0.03
Hempstead Lake	3005.66*	Max WS	1241.00	4.82	18.40		18.40	0.000007	0.40	3492.77	712.94	0.03
Hempstead Lake	2985.81*	Max WS	1240.87	4.79	18.40		18.40	0.000007	0.40	3505.17	714.06	0.03
Hempstead Lake	2965.974	Max WS	1240.75	4.76	18.40		18.40	0.000007	0.40	3518.66	714.91	0.03
Hempstead Lake	2951.87*	Max WS	1240.67	4.74	18.40		18.40	0.000009	0.39	3549.04	716.16	0.03
Hempstead Lake	2937.77*	Max WS	1240.60	4.72	18.40		18.40	0.000008	0.39	3577.80	717.88	0.03

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2923.67*	Max WS	1240.54	4.70	18.40		18.40	0.000008	0.39	3608.88	719.30	0.03
Hempstead Lake	2909.57*	Max WS	1240.49	4.68	18.40		18.40	0.000008	0.38	3637.46	720.82	0.02
Hempstead Lake	2895.47*	Max WS	1240.46	4.66	18.40		18.40	0.000008	0.38	3666.95	727.29	0.02
Hempstead Lake	2881.37*	Max WS	1240.44	4.64	18.40		18.40	0.000008	0.38	3696.25	734.03	0.02
Hempstead Lake	2867.27*	Max WS	1239.34	4.62	18.40		18.40	0.000008	0.37	3725.47	741.26	0.02
Hempstead Lake	2853.17*	Max WS	1239.17	4.61	18.40		18.40	0.000007	0.37	3755.43	748.17	0.02
Hempstead Lake	2839.07*	Max WS	1239.01	4.59	18.40		18.40	0.000007	0.37	3785.87	756.41	0.02
Hempstead Lake	2824.98*	Max WS	1238.85	4.57	18.40		18.40	0.000007	0.36	3815.38	763.57	0.02
Hempstead Lake	2810.88*	Max WS	1238.68	4.55	18.40		18.40	0.000007	0.36	3846.34	769.21	0.02
Hempstead Lake	2796.78*	Max WS	1238.49	4.53	18.40		18.40	0.000007	0.36	3876.06	774.59	0.02
Hempstead Lake	2782.68*	Max WS	1238.31	4.51	18.40		18.40	0.000007	0.35	3906.50	778.95	0.02
Hempstead Lake	2768.58*	Max WS	1238.13	4.49	18.40		18.40	0.000007	0.35	3937.31	783.57	0.02
Hempstead Lake	2754.48*	Max WS	1237.95	4.47	18.40		18.40	0.000007	0.35	3967.63	788.61	0.02
Hempstead Lake	2740.38*	Max WS	1237.77	4.45	18.40		18.40	0.000006	0.35	3998.26	793.12	0.02
Hempstead Lake	2726.28*	Max WS	1237.59	4.43	18.40		18.40	0.000006	0.34	4030.17	798.86	0.02
Hempstead Lake	2712.18*	Max WS	1237.41	4.41	18.40		18.40	0.000006	0.34	4060.88	803.66	0.02
Hempstead Lake	2698.08*	Max WS	1237.21	4.39	18.40		18.40	0.000006	0.34	4092.30	809.50	0.02
Hempstead Lake	2683.98*	Max WS	1237.00	4.37	18.40		18.40	0.000006	0.33	4122.83	816.49	0.02
Hempstead Lake	2669.88*	Max WS	1236.80	4.35	18.40		18.40	0.000006	0.33	4156.37	826.87	0.02
Hempstead Lake	2655.78*	Max WS	1236.61	4.34	18.40		18.40	0.000006	0.33	4188.18	838.09	0.02
Hempstead Lake	2641.68*	Max WS	1236.41	4.32	18.40		18.40	0.000006	0.33	4221.92	857.88	0.02
Hempstead Lake	2627.58*	Max WS	1236.22	4.30	18.40		18.40	0.000006	0.33	4256.99	876.25	0.02
Hempstead Lake	2613.48*	Max WS	1236.02	4.28	18.40		18.40	0.000005	0.32	4293.38	885.81	0.02
Hempstead Lake	2599.38*	Max WS	1235.82	4.26	18.40		18.40	0.000005	0.32	4328.49	893.08	0.02
Hempstead Lake	2585.29*	Max WS	1235.60	4.24	18.40		18.40	0.000005	0.32	4365.73	897.79	0.02
Hempstead Lake	2571.19*	Max WS	1235.39	4.22	18.40		18.40	0.000005	0.31	4401.45	898.28	0.02
Hempstead Lake	2557.091	Max WS	1235.22	4.20	18.40		18.40	0.000012	0.31	4435.56	897.85	0.02
Hempstead Lake	2552.091	Max WS	1235.19	4.09	18.39		18.40	0.000039	0.40	3378.95	899.73	0.03
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	1235.19	4.09	18.38		18.38	0.000038	0.39	3486.57	897.02	0.03
Hempstead Lake	2487.091	Max WS	1235.15	4.60	18.38		18.38	0.000010	0.28	4802.28	895.35	0.02
Hempstead Lake	2477.12*	Max WS	1235.06	4.58	18.38		18.38	0.000004	0.29	4816.59	900.94	0.02
Hempstead Lake	2467.14*	Max WS	1234.97	4.57	18.38		18.38	0.000004	0.29	4837.28	909.00	0.02
Hempstead Lake	2457.17*	Max WS	1234.87	4.55	18.38		18.38	0.000004	0.29	4863.56	920.71	0.02
Hempstead Lake	2447.20*	Max WS	1234.78	4.53	18.38		18.38	0.000004	0.29	4896.21	926.68	0.02
Hempstead Lake	2437.23*	Max WS	1234.68	4.51	18.38		18.38	0.000008	0.29	4934.49	931.04	0.02
Hempstead Lake	2427.26*	Max WS	1234.59	4.50	18.38		18.38	0.000007	0.29	4976.22	934.18	0.02
Hempstead Lake	2417.29*	Max WS	1234.49	4.48	18.38		18.38	0.000007	0.29	5023.35	938.40	0.02
Hempstead Lake	2407.32*	Max WS	1234.39	4.46	18.38		18.38	0.000005	0.30	5074.82	941.53	0.02
Hempstead Lake	2397.35*	Max WS	1234.29	4.44	18.38		18.38	0.000005	0.30	5129.13	944.25	0.02
Hempstead Lake	2387.37*	Max WS	1234.18	4.43	18.38		18.38	0.000005	0.30	5188.69	947.95	0.02
Hempstead Lake	2377.40*	Max WS	1234.07	4.41	18.38		18.38	0.000005	0.30	5253.24	950.16	0.02
Hempstead Lake	2367.43*	Max WS	1233.96	4.39	18.38		18.38	0.000005	0.30	5319.89	951.91	0.02
Hempstead Lake	2357.46*	Max WS	1233.84	4.37	18.38		18.38	0.000005	0.30	5391.63	954.50	0.02
Hempstead Lake	2347.49*	Max WS	1233.72	4.36	18.38		18.38	0.000005	0.30	5466.97	955.52	0.02
Hempstead Lake	2337.52*	Max WS	1233.59	4.34	18.38		18.38	0.000005	0.30	5546.32	956.27	0.02
Hempstead Lake	2327.55*	Max WS	1233.46	4.32	18.38		18.38	0.000004	0.30	5630.34	976.41	0.02
Hempstead Lake	2317.58*	Max WS	1233.32	4.30	18.38		18.38	0.000004	0.30	5721.73	992.07	0.02
Hempstead Lake	2307.60*	Max WS	1233.18	4.29	18.38		18.38	0.000004	0.30	5818.56	1007.33	0.02
Hempstead Lake	2297.63*	Max WS	1233.04	4.27	18.38		18.38	0.000004	0.31	5920.99	1038.96	0.02
Hempstead Lake	2287.66*	Max WS	1232.90	4.25	18.38		18.38	0.000004	0.31	6029.39	1074.97	0.02
Hempstead Lake	2277.69*	Max WS	1232.76	4.23	18.38		18.38	0.000004	0.31	6146.66	1093.04	0.02
Hempstead Lake	2267.72*	Max WS	1232.61	4.22	18.38		18.38	0.000004	0.31	6269.41	1110.74	0.02
Hempstead Lake	2257.752	Max WS	1232.47	4.20	18.38		18.38	0.000007	0.27	6397.59	1126.02	0.02
Hempstead Lake	2252.75*	Max WS	1232.38	4.10	18.38		18.38	0.000006	0.30	6334.15	1111.55	0.02
Hempstead Lake	2247.752	Max WS	1232.28	4.00	18.38		18.38	0.000007	0.29	6269.71	1097.37	0.02
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	1232.28	3.80	18.37		18.38	0.000009	0.52	4715.61	896.27	0.03
Hempstead Lake	2192.75*	Max WS	1232.20	3.75	18.38		18.38	0.000006	0.49	5194.65	892.96	0.03
Hempstead Lake	2187.752	Max WS	1232.12	3.70	18.38		18.38	0.000005	0.50	5502.36	889.70	0.03
Hempstead Lake	2178.63*	Max WS	1232.05	3.72	18.38		18.38	0.000005	0.52	5354.99	886.66	0.03
Hempstead Lake	2169.52*	Max WS	1231.99	3.74	18.37		18.38	0.000005	0.53	5208.75	883.88	0.03
Hempstead Lake	2160.40*	Max WS	1231.92	3.76	18.37		18.38	0.000005	0.55	5063.16	881.07	0.03
Hempstead Lake	2151.29*	Max WS	1231.86	3.78	18.37		18.38	0.000006	0.56	4918.43	878.17	0.03
Hempstead Lake	2142.17*	Max WS	1231.80	3.80	18.37		18.38	0.000006	0.58	4774.38	875.41	0.03
Hempstead Lake	2133.05*	Max WS	1231.74	3.82	18.37		18.38	0.000007	0.59	4630.71	872.46	0.03
Hempstead Lake	2123.94*	Max WS	1231.68	3.83	18.37		18.38	0.000007	0.61	4488.48	869.67	0.03
Hempstead Lake	2114.82*	Max WS	1231.63	3.85	18.37		18.38	0.000008	0.63	4346.60	866.93	0.03
Hempstead Lake	2105.71*	Max WS	1231.58	3.87	18.37		18.38	0.000008	0.65	4207.12	864.37	0.04
Hempstead Lake	2096.59*	Max WS	1231.53	3.89	18.37		18.38	0.000009	0.67	4067.91	861.90	0.04
Hempstead Lake	2087.48*	Max WS	1231.48	3.91	18.37		18.38	0.000009	0.69	3927.85	859.42	0.04
Hempstead Lake	2078.36*	Max WS	1231.43	3.93	18.37		18.38	0.000010	0.71	3789.66	856.59	0.04
Hempstead Lake	2069.25*	Max WS	1231.40	3.95	18.37		18.37	0.000011	0.73	3653.38	854.80	0.04
Hempstead Lake	2060.13*	Max WS	1231.36	3.97	18.37		18.37	0.000012	0.76	3518.52	874.52	0.04
Hempstead Lake	2051.01*	Max WS	1231.33	3.99	18.37		18.37	0.000013	0.78	3387.41	882.01	0.04
Hempstead Lake	2041.90*	Max WS	1231.30	4.01	18.37		18.37	0.000014	0.81	3256.99	891.70	0.05
Hempstead Lake	2032.78*	Max WS	1231.27	4.03	18.36		18.37	0.000015	0.84	3132.76	924.31	0.05
Hempstead Lake	2023.67*	Max WS	1231.24	4.05	18.36		18.37	0.000016	0.86	3011.26	935.24	0.05
Hempstead Lake	2014.55*	Max WS	1231.21	4.07	18.36		18.37	0.000018	0.89	2894.22	936.02	0.05
Hempstead Lake	2005.44*	Max WS	1231.20	4.08	18.36		18.37	0.000019	0.92	2777.84	936.80	0.05
Hempstead Lake	1996.32*	Max WS	1231.18	4.10	18.36		18.37	0.000021	0.95	2665.92	936.91	0.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	1987.20*	Max WS	1231.16	4.12	18.36		18.37	0.000022	0.97	2554.30	935.95	0.06
Hempstead Lake	1978.09*	Max WS	1231.14	4.14	18.35		18.37	0.000024	1.00	2445.24	932.99	0.06
Hempstead Lake	1968.97*	Max WS	1231.13	4.16	18.35		18.37	0.000026	1.03	2337.77	929.77	0.06
Hempstead Lake	1959.86*	Max WS	1231.11	4.18	18.35		18.37	0.000028	1.06	2232.55	927.90	0.06
Hempstead Lake	1950.747	Max WS	1231.09	4.20	18.35		18.36	0.000030	1.10	2127.59	924.33	0.07
Hempstead Lake	1945.747	Max WS	1231.09	4.21	18.26		18.27	0.000080	1.25	2334.04	987.74	0.10
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	1122.40	4.50	16.43		16.43	0.000071	0.48	2898.35	854.31	0.04
Hempstead Lake	1880.747	Max WS	1145.73	4.45	16.47		16.47	0.000008	0.46	3807.97	894.63	0.03
Hempstead Lake	1848.83*	Max WS	1145.68	2.70	16.47		16.47	0.000002	0.23	6022.13	1022.25	0.01
Hempstead Lake	1816.92*	Max WS	1145.59	0.95	16.47		16.47	0.000001	0.14	8879.44	1078.87	0.01
Hempstead Lake	1785.01*	Max WS	1145.50	-0.80	16.47		16.47	0.000000	0.10	12469.78	1097.69	0.00
Hempstead Lake	1753.104	Max WS	1145.40	-2.55	16.47		16.47	0.000000	0.07	16665.31	1215.12	0.00
Hempstead Lake	1732.65*	Max WS	1145.33	-2.75	16.47		16.47	0.000000	0.07	16870.45	1250.27	0.00
Hempstead Lake	1712.21*	Max WS	1145.25	-2.95	16.47		16.47	0.000000	0.07	17130.37	1295.82	0.00
Hempstead Lake	1691.76*	Max WS	1145.17	-3.14	16.47		16.47	0.000000	0.07	17443.20	1333.66	0.00
Hempstead Lake	1671.32*	Max WS	1145.08	-3.34	16.47		16.47	0.000000	0.07	17805.31	1367.66	0.00
Hempstead Lake	1650.87*	Max WS	1144.99	-3.54	16.47		16.47	0.000000	0.07	18217.27	1401.25	0.00
Hempstead Lake	1630.434	Max WS	1144.90	-3.74	16.47		16.47	0.000000	0.07	18676.07	1430.96	0.00
Hempstead Lake	1610.36*	Max WS	1144.81	-3.49	16.47		16.47	0.000000	0.07	18057.85	1418.56	0.00
Hempstead Lake	1590.30*	Max WS	1144.71	-3.23	16.47		16.47	0.000000	0.07	17442.77	1404.64	0.00
Hempstead Lake	1570.23*	Max WS	1144.62	-2.98	16.47		16.47	0.000000	0.07	16830.92	1388.89	0.00
Hempstead Lake	1550.17*	Max WS	1144.53	-2.73	16.47		16.47	0.000000	0.08	16223.85	1370.96	0.00
Hempstead Lake	1530.10*	Max WS	1144.43	-2.47	16.47		16.47	0.000000	0.08	15619.80	1350.36	0.00
Hempstead Lake	1510.03*	Max WS	1144.34	-2.22	16.47		16.47	0.000000	0.08	15022.03	1331.42	0.00
Hempstead Lake	1489.97*	Max WS	1144.25	-1.96	16.47		16.47	0.000000	0.09	14429.53	1310.77	0.00
Hempstead Lake	1469.90*	Max WS	1144.16	-1.71	16.47		16.47	0.000000	0.09	13843.03	1287.21	0.00
Hempstead Lake	1449.83*	Max WS	1144.08	-1.46	16.47		16.47	0.000000	0.09	13265.78	1257.80	0.00
Hempstead Lake	1429.77*	Max WS	1143.99	-1.20	16.47		16.47	0.000000	0.10	12699.09	1203.84	0.00
Hempstead Lake	1409.707	Max WS	1143.90	-0.95	16.47		16.47	0.000000	0.10	12158.47	1166.99	0.00
Hempstead Lake	1389.03*	Max WS	10353.65	-0.98	16.45		16.46	0.000011	0.94	12117.68	1159.68	0.05
Hempstead Lake	1368.35*	Max WS	10353.62	-1.00	16.44		16.46	0.000011	0.94	12106.22	1157.63	0.05
Hempstead Lake	1347.67*	Max WS	10353.60	-1.03	16.44		16.46	0.000011	0.94	12101.83	1185.98	0.05
Hempstead Lake	1326.99*	Max WS	10353.57	-1.06	16.44		16.46	0.000011	0.94	12101.42	1194.89	0.05
Hempstead Lake	1306.32*	Max WS	10353.54	-1.08	16.44		16.46	0.000012	0.94	12102.26	1195.58	0.05
Hempstead Lake	1285.64*	Max WS	10353.51	-1.11	16.44		16.46	0.000012	0.94	12104.48	1191.30	0.05
Hempstead Lake	1264.96*	Max WS	10353.49	-1.14	16.44		16.46	0.000012	0.94	12104.93	1184.43	0.05
Hempstead Lake	1244.28*	Max WS	10353.46	-1.16	16.44		16.46	0.000012	0.95	12106.49	1176.22	0.04
Hempstead Lake	1223.61*	Max WS	10353.43	-1.19	16.44		16.46	0.000012	0.95	12107.88	1166.15	0.04
Hempstead Lake	1202.93*	Max WS	10353.40	-1.22	16.44		16.46	0.000012	0.95	12108.96	1154.89	0.04
Hempstead Lake	1182.25*	Max WS	10353.37	-1.24	16.44		16.46	0.000012	0.95	12109.28	1142.58	0.04
Hempstead Lake	1161.57*	Max WS	10353.35	-1.27	16.44		16.46	0.000012	0.95	12110.02	1128.49	0.04
Hempstead Lake	1140.90*	Max WS	10353.32	-1.30	16.44		16.46	0.000012	0.95	12110.27	1121.22	0.04
Hempstead Lake	1120.22*	Max WS	10353.30	-1.32	16.44		16.46	0.000012	0.96	12111.39	1114.34	0.04
Hempstead Lake	1099.54*	Max WS	10353.27	-1.35	16.44		16.46	0.000012	0.96	12108.10	1107.25	0.04
Hempstead Lake	1078.87*	Max WS	10353.25	-1.38	16.44		16.46	0.000012	0.96	12102.86	1100.30	0.04
Hempstead Lake	1058.19*	Max WS	10353.23	-1.40	16.44		16.46	0.000012	0.96	12098.31	1093.50	0.04
Hempstead Lake	1037.515	Max WS	10353.20	-1.43	16.44		16.45	0.000010	0.94	12092.22	1086.66	0.04
Hempstead Lake	1017.08*	Max WS	10432.65	-1.35	16.44		16.45	0.000013	0.97	12059.97	1079.16	0.04
Hempstead Lake	996.645*	Max WS	10432.62	-1.28	16.44		16.45	0.000016	0.97	12027.51	1071.78	0.04
Hempstead Lake	976.210*	Max WS	10432.59	-1.20	16.44		16.45	0.000019	0.97	11992.90	1064.25	0.04
Hempstead Lake	955.775*	Max WS	10432.56	-1.13	16.44		16.45	0.000022	0.97	11957.33	1056.73	0.04
Hempstead Lake	935.340*	Max WS	10432.54	-1.05	16.44		16.45	0.000025	0.96	11918.77	1049.41	0.04
Hempstead Lake	914.905*	Max WS	10432.51	-0.98	16.44		16.45	0.000029	0.96	11880.02	1043.72	0.04
Hempstead Lake	894.471*	Max WS	10432.49	-0.90	16.44		16.45	0.000033	0.96	11838.11	1037.41	0.04
Hempstead Lake	874.036*	Max WS	10432.47	-0.83	16.44		16.45	0.000037	0.96	11795.06	1030.38	0.04
Hempstead Lake	853.601*	Max WS	10432.45	-0.75	16.44		16.45	0.000040	0.96	11750.65	1023.41	0.04
Hempstead Lake	833.166*	Max WS	10432.43	-0.68	16.44		16.45	0.000045	0.95	11703.73	1016.55	0.04
Hempstead Lake	812.731*	Max WS	10432.41	-0.60	16.44		16.45	0.000048	0.95	11654.81	1010.62	0.04
Hempstead Lake	792.296*	Max WS	10432.39	-0.53	16.43		16.45	0.000053	0.94	11606.15	1011.72	0.04
Hempstead Lake	771.862	Max WS	10432.36	-0.45	16.43		16.45	0.000010	1.01	11555.71	1026.16	0.04
Hempstead Lake	750.331*	Max WS	10464.35	-0.53	16.43		16.45	0.000057	0.98	11228.98	1022.24	0.04
Hempstead Lake	728.8*	Max WS	10464.33	-0.61	16.43		16.44	0.000058	1.02	10905.13	1013.79	0.05
Hempstead Lake	707.269*	Max WS	10464.30	-0.69	16.43		16.44	0.000056	1.06	10587.87	1002.62	0.05
Hempstead Lake	685.738*	Max WS	10464.28	-0.77	16.42		16.44	0.000054	1.10	10274.58	1005.37	0.05
Hempstead Lake	664.207*	Max WS	10464.25	-0.85	16.42		16.44	0.000052	1.14	9965.75	1006.61	0.05
Hempstead Lake	642.676*	Max WS	10464.23	-0.93	16.42		16.44	0.000050	1.18	9663.22	1006.13	0.06
Hempstead Lake	621.145*	Max WS	10464.20	-1.02	16.42		16.44	0.000046	1.21	9363.93	1002.45	0.06
Hempstead Lake	599.614*	Max WS	10464.17	-1.10	16.42		16.44	0.000041	1.24	9072.39	993.10	0.06
Hempstead Lake	578.083*	Max WS	10464.14	-1.18	16.41		16.44	0.000036	1.27	8788.54	972.95	0.06
Hempstead Lake	556.552*	Max WS	10464.11	-1.26	16.41		16.44	0.000032	1.29	8517.99	925.79	0.06
Hempstead Lake	535.021*	Max WS	10464.09	-1.34	16.41		16.44	0.000026	1.31	8287.30	764.01	0.06
Hempstead Lake	513.490	Max WS	10464.07	-1.42	16.41		16.44	0.000021	1.30	8175.69	674.51	0.06
Hempstead Lake	493.038*	Max WS	10497.63	-1.03	16.40		16.43	0.000048	1.42	7595.29	657.07	0.07
Hempstead Lake	472.587*	Max WS	10497.62	-0.65	16.40		16.43	0.000064	1.53	7032.06	639.54	0.08
Hempstead Lake	452.136*	Max WS	10497.60	-0.26	16.39		16.43	0.000086	1.65	6482.72	621.82	0.09
Hempstead Lake	431.685*	Max WS	10497.59	0.12	16.38		16.43	0.000116	1.80	5949.27	604.03	0.10
Hempstead Lake	411.234*	Max WS	10497.57	0.51	16.37		16.43	0.000152	1.97	5431.35	586.04	0.11
Hempstead Lake	390.783*	Max WS	10497.56	0.90	16.35		16.42	0.000207	2.16	4926.07	567.72	0.13
Hempstead Lake	370.332*	Max WS	10497.54	1.28	16.33		16.42	0.000282	2.40	4436.20	549.01	0.14
Hempstead Lake	349.881*	Max WS	10497.53	1.67	16.30		16.41	0.000386	2.68	3957.98	530.97	0.17

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	329.430*	Max WS	10497.51	2.05	16.26		16.40	0.000538	3.03	3493.52	513.03	0.20
Hempstead Lake	308.979*	Max WS	10497.49	2.44	16.20		16.39	0.000748	3.48	3035.21	494.73	0.24
Hempstead Lake	288.528*	Max WS	10497.48	2.83	16.12		16.37	0.001053	4.09	2581.55	475.88	0.30
Hempstead Lake	268.077*	Max WS	10497.46	3.21	15.97		16.35	0.001506	4.95	2122.01	454.24	0.40
Hempstead Lake	247.626*	Max WS	10497.44	3.60	15.67		16.32	0.002261	6.47	1623.16	417.81	0.58
Hempstead Lake	227.175*	Max WS	10497.43	3.98	15.09		16.28	0.003388	8.76	1198.37	154.27	0.55
Hempstead Lake	206.724	Max WS	10497.42	4.37	14.78		16.22	0.002606	9.62	1090.75	143.52	0.62
Hempstead Lake	201.724	Max WS	10497.42	4.37	15.27	11.13	16.20	0.001524	7.73	1357.42	162.21	0.47
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	10497.42	1.00	12.39		13.17	0.000998	7.36	1486.93	148.17	0.39
Hempstead Lake	166.724	Max WS	10497.42	1.00	12.38	7.25	13.16	0.001000	7.36	1486.03	148.16	0.39

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS 90% PR 1/2 PMF NON-BREACH 9/1/15

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	41.08	41.05	0.02	0.00		259.72	4236.44	3152.00	746.65
Hempstead Lake	15523.7*	Max WS	41.08	41.05	0.02	0.00		585.85	4107.11	2955.12	742.33
Hempstead Lake	15503.5*	Max WS	41.07	41.05	0.02	0.00		562.44	4168.60	2916.95	736.73
Hempstead Lake	15483.3*	Max WS	41.07	41.05	0.02	0.00		529.01	4209.68	2888.23	728.15
Hempstead Lake	15463.0*	Max WS	41.07	41.05	0.02	0.00		497.97	4247.54	2881.38	717.17
Hempstead Lake	15442.8*	Max WS	41.07	41.04	0.02	0.00		474.98	4274.78	2877.07	706.73
Hempstead Lake	15422.5*	Max WS	41.06	41.04	0.02	0.00		447.90	4316.92	2861.94	702.51
Hempstead Lake	15402.3*	Max WS	41.06	41.04	0.02	0.00		422.22	4368.22	2836.25	703.00
Hempstead Lake	15382.1*	Max WS	41.06	41.04	0.02	0.00		404.36	4402.79	2798.93	704.54
Hempstead Lake	15361.8*	Max WS	41.06	41.04	0.02	0.00		380.86	4448.89	2776.32	705.83
Hempstead Lake	15341.6*	Max WS	41.06	41.04	0.02	0.00		364.71	4485.93	2755.41	706.71
Hempstead Lake	15321.4*	Max WS	41.06	41.04	0.02	0.00		341.66	4522.77	2741.59	707.18
Hempstead Lake	15301.1*	Max WS	41.06	41.04	0.02	0.00		318.59	4553.19	2734.20	707.19
Hempstead Lake	15280.9*	Max WS	41.06	41.03	0.02	0.00		303.16	4574.29	2728.49	706.70
Hempstead Lake	15260.7*	Max WS	41.06	41.03	0.02	0.00		280.87	4592.55	2732.47	705.58
Hempstead Lake	15240.4*	Max WS	41.05	41.03	0.02	0.00		258.54	4604.27	2743.02	703.72
Hempstead Lake	15220.2*	Max WS	41.05	41.03	0.02	0.00		243.32	4603.54	2758.92	701.02
Hempstead Lake	15200.02	Max WS	41.05	41.03	0.02	0.00		220.97	4597.52	2787.23	697.16
Hempstead Lake	15180.7*	Max WS	41.05	41.03	0.02	0.00		248.21	4843.29	2514.16	729.86
Hempstead Lake	15161.4*	Max WS	41.05	41.04	0.02	0.00		274.00	5045.94	2285.67	759.84
Hempstead Lake	15142.1*	Max WS	41.05	41.04	0.02	0.00		296.72	5215.70	2093.15	788.23
Hempstead Lake	15122.8*	Max WS	41.05	41.04	0.01	0.00		316.90	5356.03	1932.62	813.52
Hempstead Lake	15103.5*	Max WS	41.05	41.04	0.01	0.00		335.15	5473.72	1796.65	836.58
Hempstead Lake	15084.2*	Max WS	41.05	41.04	0.01	0.00		358.40	5571.15	1675.96	858.55
Hempstead Lake	15064.9*	Max WS	41.05	41.04	0.01	0.00		373.83	5661.46	1570.20	880.32
Hempstead Lake	15045.6*	Max WS	41.05	41.04	0.01	0.00		387.07	5742.11	1476.30	901.83
Hempstead Lake	15026.4*	Max WS	41.05	41.04	0.01	0.00		400.38	5813.24	1391.86	922.60
Hempstead Lake	15007.1*	Max WS	41.05	41.04	0.01	0.00		412.65	5892.43	1319.12	943.61
Hempstead Lake	14987.82	Max WS	41.05	41.04	0.01	0.00		176.17	6155.42	1292.49	963.78
Hempstead Lake	14966.6*	Max WS	41.05	41.04	0.01	0.00		261.14	6253.79	1152.87	982.84
Hempstead Lake	14945.4*	Max WS	41.05	41.04	0.01	0.00		230.51	6401.56	1035.61	1001.30
Hempstead Lake	14924.3*	Max WS	41.05	41.04	0.01	0.00		201.00	6538.13	928.41	1019.26
Hempstead Lake	14903.1*	Max WS	41.05	41.04	0.01	0.00		172.81	6664.69	829.90	1035.97
Hempstead Lake	14882.*	Max WS	41.05	41.04	0.01	0.00		148.35	6779.17	739.73	1052.64
Hempstead Lake	14860.8*	Max WS	41.05	41.04	0.01	0.00		126.45	6867.22	655.64	1069.03
Hempstead Lake	14839.6*	Max WS	41.05	41.04	0.00	0.00		106.24	6978.42	582.29	1085.01
Hempstead Lake	14818.5*	Max WS	41.04	41.04	0.00	0.00		90.32	7046.82	512.16	1318.88
Hempstead Lake	14797.35	Max WS	41.04	41.04	0.00	0.00		39.35	7422.20	187.74	1418.27
Hempstead Lake	14777.4*	Max WS	41.04	41.04	0.00	0.00		86.85	7144.70	417.72	1406.32
Hempstead Lake	14757.4*	Max WS	41.04	41.04	0.00	0.00		86.50	7184.30	395.44	1373.01
Hempstead Lake	14737.5*	Max WS	41.04	41.04	0.00	0.00		85.02	7197.21	367.03	1275.06
Hempstead Lake	14717.5*	Max WS	41.04	41.04	0.00	0.00		89.27	7213.99	345.98	1188.95
Hempstead Lake	14697.6*	Max WS	41.04	41.04	0.00	0.00		93.62	7229.59	326.02	1188.16
Hempstead Lake	14677.6*	Max WS	41.04	41.04	0.00	0.00		98.62	7243.90	306.70	1207.11
Hempstead Lake	14657.7*	Max WS	41.04	41.04	0.00	0.00		103.48	7261.37	284.36	1230.56
Hempstead Lake	14637.7*	Max WS	41.04	41.04	0.00	0.00		108.95	7272.82	267.43	1253.13
Hempstead Lake	14617.8*	Max WS	41.04	41.04	0.00	0.00		110.31	7287.10	251.78	1303.07
Hempstead Lake	14597.8*	Max WS	41.04	41.04	0.00	0.00		114.31	7297.63	237.24	1381.30
Hempstead Lake	14577.9*	Max WS	41.04	41.04	0.00	0.00		116.05	7329.74	219.00	1428.98
Hempstead Lake	14557.9*	Max WS	41.04	41.04	0.00	0.00		118.79	7324.69	205.67	1484.75
Hempstead Lake	14538.0*	Max WS	41.04	41.04	0.00	0.00		121.56	7333.47	194.11	1528.57
Hempstead Lake	14518.0*	Max WS	41.04	41.04	0.00	0.00		121.48	7364.43	178.34	1571.26
Hempstead Lake	14498.1*	Max WS	41.04	41.04	0.00	0.00		119.24	7363.73	166.17	1637.41
Hempstead Lake	14478.1*	Max WS	41.04	41.04	0.00	0.00		120.23	7377.39	166.22	1708.23
Hempstead Lake	14458.2*	Max WS	41.04	41.04	0.00	0.00		121.64	7361.77	165.70	1729.86
Hempstead Lake	14438.2*	Max WS	41.04	41.04	0.00	0.00		119.35	7369.25	160.50	1748.92
Hempstead Lake	14418.3*	Max WS	41.04	41.04	0.00	0.00		120.03	7384.03	159.12	1766.27
Hempstead Lake	14398.37	Max WS	41.04	41.04	0.00	0.00		51.11	7453.59	158.24	1780.57
Hempstead Lake	14378.3*	Max WS	41.04	41.04	0.00	0.00		55.61	7440.66	166.45	1759.04
Hempstead Lake	14358.3*	Max WS	41.04	41.04	0.00	0.00		59.95	7427.52	175.03	1737.77
Hempstead Lake	14338.2*	Max WS	41.04	41.04	0.00	0.00		64.25	7401.16	183.69	1716.77
Hempstead Lake	14318.2*	Max WS	41.04	41.04	0.00	0.00		68.51	7387.50	193.09	1696.32
Hempstead Lake	14298.2*	Max WS	41.04	41.04	0.00	0.00		72.67	7385.76	203.40	1676.33
Hempstead Lake	14278.1*	Max WS	41.04	41.04	0.00	0.00		76.54	7358.91	213.62	1656.83
Hempstead Lake	14258.1*	Max WS	41.04	41.04	0.00	0.00		80.45	7355.92	225.04	1637.96
Hempstead Lake	14238.1*	Max WS	41.04	41.04	0.00	0.00		83.86	7328.81	236.39	1619.92
Hempstead Lake	14218.0*	Max WS	41.04	41.04	0.00	0.00		87.06	7313.20	248.79	1602.89
Hempstead Lake	14198.0*	Max WS	41.04	41.04	0.00	0.00		89.95	7296.97	262.11	1587.02
Hempstead Lake	14178.0*	Max WS	41.04	41.04	0.00	0.00		92.46	7280.38	276.19	1572.60
Hempstead Lake	14157.9*	Max WS	41.04	41.04	0.00	0.00		94.54	7262.27	292.20	1557.66
Hempstead Lake	14137.9*	Max WS	41.04	41.04	0.00	0.00		96.69	7252.39	311.09	1631.48
Hempstead Lake	14117.9*	Max WS	41.04	41.04	0.00	0.00		98.96	7219.59	330.43	1642.08

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	41.04	41.04	0.00	0.00		101.79	7205.73	352.20	1639.06
Hempstead Lake	14077.8*	Max WS	41.04	41.04	0.00	0.00		104.33	7170.55	374.08	1636.76
Hempstead Lake	14057.8*	Max WS	41.04	41.04	0.00	0.00		106.55	7141.67	400.72	1629.67
Hempstead Lake	14037.7*	Max WS	41.04	41.04	0.00	0.00		108.06	7111.25	429.62	1621.97
Hempstead Lake	14017.75	Max WS	41.04	41.04	0.00	0.00		107.54	7091.71	459.60	1632.44
Hempstead Lake	13998.2*	Max WS	41.04	41.04	0.00	0.00		214.67	6875.49	568.50	1624.35
Hempstead Lake	13978.6*	Max WS	41.04	41.04	0.00	0.00		215.12	6901.87	531.91	1619.73
Hempstead Lake	13959.1*	Max WS	41.04	41.04	0.00	0.00		201.74	6956.46	500.10	1610.66
Hempstead Lake	13939.6*	Max WS	41.04	41.04	0.00	0.00		207.79	6973.06	468.05	1598.58
Hempstead Lake	13920.0*	Max WS	41.04	41.04	0.00	0.00		201.94	7013.88	433.07	1586.24
Hempstead Lake	13900.5*	Max WS	41.04	41.04	0.00	0.00		199.29	7052.05	406.41	1572.88
Hempstead Lake	13881.*	Max WS	41.04	41.04	0.00	0.00		195.42	7082.05	380.09	1560.53
Hempstead Lake	13861.4*	Max WS	41.04	41.04	0.00	0.00		190.75	7115.84	350.79	1544.59
Hempstead Lake	13841.9*	Max WS	41.04	41.04	0.00	0.00		185.41	7134.39	329.06	1530.76
Hempstead Lake	13822.3*	Max WS	41.04	41.04	0.00	0.00		176.98	7176.48	303.56	1519.70
Hempstead Lake	13802.8*	Max WS	41.04	41.04	0.00	0.00		171.09	7202.39	283.35	1509.75
Hempstead Lake	13783.3*	Max WS	41.04	41.04	0.00	0.00		162.28	7227.35	259.22	1501.14
Hempstead Lake	13763.7*	Max WS	41.04	41.04	0.00	0.00		155.08	7254.81	238.95	1493.75
Hempstead Lake	13744.2*	Max WS	41.04	41.04	0.00	0.00		148.94	7290.20	217.17	1487.44
Hempstead Lake	13724.7*	Max WS	41.04	41.04	0.00	0.00		141.84	7308.06	198.92	1482.40
Hempstead Lake	13705.1*	Max WS	41.04	41.04	0.00	0.00		131.53	7340.16	177.12	1477.85
Hempstead Lake	13685.63	Max WS	41.04	41.04	0.00	0.00		93.51	7434.77	120.52	1474.08
Hempstead Lake	13666.4*	Max WS	41.04	41.04	0.00	0.00		120.67	7370.85	164.12	1476.14
Hempstead Lake	13647.1*	Max WS	41.04	41.04	0.00	0.00		122.25	7367.48	165.75	1473.34
Hempstead Lake	13627.9*	Max WS	41.04	41.04	0.00	0.00		124.88	7352.90	171.02	1470.53
Hempstead Lake	13608.7*	Max WS	41.04	41.04	0.00	0.00		126.72	7349.84	172.22	1467.48
Hempstead Lake	13589.5*	Max WS	41.04	41.04	0.00	0.00		129.38	7351.34	174.26	1464.50
Hempstead Lake	13570.2*	Max WS	41.04	41.04	0.00	0.00		131.10	7343.04	174.63	1461.57
Hempstead Lake	13551.0*	Max WS	41.04	41.04	0.00	0.00		134.72	7335.25	178.79	1458.74
Hempstead Lake	13531.8*	Max WS	41.04	41.04	0.00	0.00		136.34	7334.15	178.26	1455.98
Hempstead Lake	13512.6*	Max WS	41.04	41.04	0.00	0.00		138.70	7331.65	178.39	1452.84
Hempstead Lake	13493.3*	Max WS	41.04	41.04	0.00	0.00		139.77	7337.83	176.55	1450.00
Hempstead Lake	13474.1*	Max WS	41.04	41.04	0.00	0.00		141.43	7332.15	175.14	1447.46
Hempstead Lake	13454.9*	Max WS	41.04	41.04	0.00	0.00		142.33	7333.01	173.38	1445.22
Hempstead Lake	13435.72	Max WS	41.04	41.04	0.00	0.00		121.35	7149.14	383.16	1443.20
Hempstead Lake	13419.3*	Max WS	41.04	41.04	0.00	0.00		134.73	7353.88	160.11	1447.22
Hempstead Lake	13403.0*	Max WS	41.04	41.04	0.00	0.00		143.49	7351.37	153.84	1451.22
Hempstead Lake	13386.6*	Max WS	41.04	41.04	0.00	0.00		151.51	7351.22	145.96	1455.21
Hempstead Lake	13370.3*	Max WS	41.04	41.04	0.00	0.00		157.31	7355.54	135.83	1459.14
Hempstead Lake	13354.*	Max WS	41.04	41.04	0.00	0.00		165.51	7355.61	127.54	1463.05
Hempstead Lake	13337.6*	Max WS	41.04	41.04	0.00	0.00		172.82	7357.18	118.66	1466.94
Hempstead Lake	13321.3*	Max WS	41.04	41.04	0.00	0.00		180.71	7357.96	109.98	1470.75
Hempstead Lake	13304.9*	Max WS	41.04	41.04	0.00	0.00		187.87	7363.62	101.02	1474.56
Hempstead Lake	13288.6*	Max WS	41.04	41.04	0.00	0.00		195.45	7360.81	92.37	1478.35
Hempstead Lake	13272.29	Max WS	41.04	41.04	0.00	0.00		172.72	7412.33	67.16	1482.09
Hempstead Lake	13255.0*	Max WS	41.04	41.04	0.00	0.00		173.11	7405.35	70.15	1483.65
Hempstead Lake	13237.8*	Max WS	41.04	41.04	0.00	0.00		176.13	7399.37	73.11	1485.12
Hempstead Lake	13220.5*	Max WS	41.04	41.04	0.00	0.00		178.66	7394.16	75.77	1486.50
Hempstead Lake	13203.3*	Max WS	41.04	41.04	0.00	0.00		177.43	7394.46	76.69	1487.77
Hempstead Lake	13186.0*	Max WS	41.04	41.04	0.00	0.00		179.58	7389.82	79.17	1488.93
Hempstead Lake	13168.8*	Max WS	41.04	41.04	0.00	0.00		181.99	7384.87	81.69	1489.91
Hempstead Lake	13151.6*	Max WS	41.04	41.04	0.00	0.00		184.51	7379.83	84.21	1490.78
Hempstead Lake	13134.3*	Max WS	41.04	41.04	0.00	0.00		186.04	7378.54	86.35	1491.49
Hempstead Lake	13117.1*	Max WS	41.04	41.04	0.00	0.00		187.83	7372.15	88.55	1492.00
Hempstead Lake	13099.8*	Max WS	41.04	41.04	0.00	0.00		185.85	7373.72	88.95	1492.30
Hempstead Lake	13082.6*	Max WS	41.04	41.04	0.00	0.00		186.71	7373.08	90.64	1492.58
Hempstead Lake	13065.3*	Max WS	41.04	41.04	0.00	0.00		187.14	7369.25	92.09	1492.75
Hempstead Lake	13048.1*	Max WS	41.04	41.04	0.00	0.00		187.90	7366.79	93.78	1492.70
Hempstead Lake	13030.9*	Max WS	41.04	41.04	0.00	0.00		187.58	7366.08	94.79	1492.48
Hempstead Lake	13013.6*	Max WS	41.04	41.04	0.00	0.00		186.73	7367.34	95.71	1492.07
Hempstead Lake	12996.4*	Max WS	41.04	41.04	0.00	0.00		184.12	7368.67	95.65	1491.32
Hempstead Lake	12979.1*	Max WS	41.04	41.04	0.00	0.00		182.68	7369.54	96.20	1490.31
Hempstead Lake	12961.9*	Max WS	41.04	41.04	0.00	0.00		180.90	7370.76	96.75	1488.96
Hempstead Lake	12944.7*	Max WS	41.04	41.04	0.00	0.00		180.63	7369.64	98.13	1487.16
Hempstead Lake	12927.4*	Max WS	41.04	41.04	0.00	0.00		178.21	7371.78	98.39	1485.05
Hempstead Lake	12910.2*	Max WS	41.04	41.04	0.00	0.00		175.53	7374.08	98.76	1482.67
Hempstead Lake	12892.97	Max WS	41.04	41.04	0.00	0.00		123.78	7406.72	117.85	1479.92
Hempstead Lake	12881.0*	Max WS	41.04	41.04	0.00	0.00		153.06	8729.78	88.80	1477.12
Hempstead Lake	12869.1*	Max WS	41.04	41.04	0.00	0.00		152.81	8729.07	89.74	1473.87
Hempstead Lake	12857.1*	Max WS	41.04	41.04	0.00	0.00		152.41	8728.29	90.89	1470.32
Hempstead Lake	12845.2*	Max WS	41.04	41.04	0.00	0.00		152.10	8727.33	92.14	1466.39
Hempstead Lake	12833.3*	Max WS	41.04	41.04	0.00	0.00		151.75	8726.44	93.36	1462.38

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	41.04	41.04	0.00	0.00		151.51	8725.28	94.74	1458.35
Hempstead Lake	12809.4*	Max WS	41.04	41.04	0.00	0.00		151.20	8724.01	96.30	1454.07
Hempstead Lake	12797.5*	Max WS	41.04	41.04	0.00	0.00		150.82	8722.71	97.95	1449.68
Hempstead Lake	12785.6*	Max WS	41.04	41.04	0.00	0.00		150.40	8721.37	99.68	1444.96
Hempstead Lake	12773.7*	Max WS	41.04	41.04	0.00	0.00		150.04	8719.74	101.65	1439.99
Hempstead Lake	12761.7*	Max WS	41.04	41.04	0.00	0.00		149.64	8718.16	103.61	1435.57
Hempstead Lake	12749.8*	Max WS	41.04	41.04	0.00	0.00		149.31	8716.53	105.54	1431.66
Hempstead Lake	12737.9*	Max WS	41.04	41.04	0.00	0.00		148.95	8714.90	107.50	1427.87
Hempstead Lake	12726.0*	Max WS	41.04	41.04	0.00	0.00		148.53	8713.38	109.41	1424.12
Hempstead Lake	12714.0*	Max WS	41.04	41.04	0.00	0.00		148.06	8711.76	111.49	1420.31
Hempstead Lake	12702.1*	Max WS	41.04	41.04	0.00	0.00		147.66	8710.19	113.42	1417.08
Hempstead Lake	12690.2*	Max WS	41.04	41.04	0.00	0.00		147.17	8708.74	115.34	1413.87
Hempstead Lake	12678.3*	Max WS	41.04	41.04	0.00	0.00		146.89	8707.08	117.26	1411.41
Hempstead Lake	12666.3*	Max WS	41.04	41.04	0.00	0.00		146.42	8705.93	118.86	1409.19
Hempstead Lake	12654.4*	Max WS	41.04	41.04	0.00	0.00		145.97	8704.71	120.51	1406.99
Hempstead Lake	12642.5*	Max WS	41.04	41.04	0.00	0.00		145.54	8703.43	122.19	1404.91
Hempstead Lake	12630.6*	Max WS	41.04	41.04	0.00	0.00		145.08	8702.25	123.80	1402.75
Hempstead Lake	12618.6*	Max WS	41.04	41.04	0.00	0.00		144.68	8700.80	125.63	1400.63
Hempstead Lake	12606.7*	Max WS	41.04	41.04	0.00	0.00		144.19	8699.67	127.22	1398.58
Hempstead Lake	12594.8*	Max WS	41.04	41.04	0.00	0.00		143.72	8698.35	128.99	1396.50
Hempstead Lake	12582.9*	Max WS	41.04	41.04	0.00	0.00		143.25	8697.19	130.60	1394.41
Hempstead Lake	12570.9*	Max WS	41.04	41.04	0.00	0.00		142.69	8696.04	132.28	1392.40
Hempstead Lake	12559.0*	Max WS	41.04	41.04	0.00	0.00		142.23	8694.69	134.06	1390.36
Hempstead Lake	12547.1*	Max WS	41.04	41.04	0.00	0.00		141.85	8693.41	135.70	1388.32
Hempstead Lake	12535.2*	Max WS	41.04	41.04	0.00	0.00		141.26	8692.26	137.41	1386.36
Hempstead Lake	12523.27	Max WS	41.04	41.04	0.00	0.00		140.90	8697.23	132.77	1384.34
Hempstead Lake	12515.8*	Max WS	41.04	41.03	0.00	0.00		219.18	9187.87	137.60	1370.92
Hempstead Lake	12508.3*	Max WS	41.04	41.03	0.00	0.00		234.04	9176.92	133.67	1357.46
Hempstead Lake	12500.9*	Max WS	41.04	41.03	0.00	0.00		245.47	9169.91	129.24	1343.97
Hempstead Lake	12493.4*	Max WS	41.04	41.03	0.00	0.00		256.69	9163.88	124.03	1330.39
Hempstead Lake	12486.0*	Max WS	41.04	41.03	0.00	0.00		271.07	9155.23	118.29	1316.70
Hempstead Lake	12478.5*	Max WS	41.04	41.03	0.00	0.00		281.72	9150.93	111.92	1302.97
Hempstead Lake	12471.1*	Max WS	41.04	41.03	0.00	0.00		291.63	9147.63	105.29	1289.16
Hempstead Lake	12463.7*	Max WS	41.04	41.03	0.00	0.00		305.59	9140.69	98.26	1275.23
Hempstead Lake	12456.2*	Max WS	41.04	41.03	0.00	0.00		314.90	9138.51	91.11	1261.17
Hempstead Lake	12448.8*	Max WS	41.04	41.03	0.00	0.00		323.52	9137.09	83.90	1246.56
Hempstead Lake	12441.3*	Max WS	41.04	41.03	0.00	0.00		336.73	9130.90	76.86	1231.71
Hempstead Lake	12433.9*	Max WS	41.04	41.03	0.00	0.00		350.27	9123.74	70.47	1217.60
Hempstead Lake	12426.4*	Max WS	41.04	41.03	0.00	0.00		357.38	9124.22	62.86	1203.52
Hempstead Lake	12419.0*	Max WS	41.04	41.03	0.00	0.00		369.25	9119.96	55.23	1189.26
Hempstead Lake	12411.5*	Max WS	41.04	41.03	0.00	0.00		375.26	9121.04	48.13	1174.58
Hempstead Lake	12404.1*	Max WS	41.04	41.03	0.00	0.00		380.55	9122.52	41.35	1159.74
Hempstead Lake	12396.6*	Max WS	41.04	41.03	0.00	0.00		384.96	9124.58	34.86	1144.61
Hempstead Lake	12389.2*	Max WS	41.04	41.03	0.00	0.00		395.00	9120.58	28.80	1129.27
Hempstead Lake	12381.8*	Max WS	41.04	41.03	0.00	0.00		402.61	9118.14	23.63	1113.43
Hempstead Lake	12374.3*	Max WS	41.04	41.03	0.00	0.00		404.12	9121.55	18.69	1097.08
Hempstead Lake	12366.9*	Max WS	41.04	41.03	0.00	0.00		411.63	9118.42	14.30	1080.31
Hempstead Lake	12359.46	Max WS	41.04	41.03	0.00	0.00		184.65	9354.93	4.76	1063.34
Hempstead Lake	12349.5*	Max WS	41.04	41.03	0.01	0.00		432.16	9484.15	11.74	1048.33
Hempstead Lake	12339.7*	Max WS	41.04	41.03	0.01	0.00		435.87	9479.67	12.49	1033.32
Hempstead Lake	12329.8*	Max WS	41.04	41.03	0.01	0.00		429.37	9485.41	13.23	1018.30
Hempstead Lake	12320.*	Max WS	41.04	41.03	0.01	0.00		432.84	9481.12	14.02	1003.21
Hempstead Lake	12310.1*	Max WS	41.04	41.03	0.01	0.00		436.38	9476.73	14.85	988.09
Hempstead Lake	12300.2*	Max WS	41.04	41.03	0.01	0.00		439.35	9472.88	15.71	972.92
Hempstead Lake	12290.4*	Max WS	41.04	41.03	0.01	0.00		438.84	9472.57	16.51	957.77
Hempstead Lake	12280.5*	Max WS	41.04	41.03	0.01	0.00		441.78	9468.71	17.41	942.63
Hempstead Lake	12270.6*	Max WS	41.04	41.03	0.01	0.00		438.26	9471.28	18.34	927.42
Hempstead Lake	12260.8*	Max WS	41.04	41.03	0.01	0.00		441.00	9467.58	19.28	912.23
Hempstead Lake	12250.9*	Max WS	41.04	41.03	0.01	0.00		443.29	9464.24	20.31	897.03
Hempstead Lake	12241.0*	Max WS	41.03	41.03	0.01	0.00		441.64	9465.04	21.13	881.70
Hempstead Lake	12231.2*	Max WS	41.03	41.03	0.01	0.00		443.66	9462.02	22.12	866.57
Hempstead Lake	12221.3*	Max WS	41.03	41.03	0.01	0.00		439.72	9464.92	23.13	851.45
Hempstead Lake	12211.4*	Max WS	41.03	41.03	0.01	0.00		441.31	9462.22	24.23	836.34
Hempstead Lake	12201.6*	Max WS	41.03	41.02	0.01	0.00		442.49	9459.90	25.35	820.85
Hempstead Lake	12191.7*	Max WS	41.03	41.02	0.01	0.00		439.37	9461.99	26.36	805.14
Hempstead Lake	12181.8*	Max WS	41.03	41.02	0.01	0.00		440.06	9460.14	27.50	789.69
Hempstead Lake	12172.0*	Max WS	41.03	41.02	0.01	0.00		435.64	9464.22	27.82	777.54
Hempstead Lake	12162.1*	Max WS	41.03	41.02	0.01	0.00		435.51	9463.48	28.67	763.75
Hempstead Lake	12152.2*	Max WS	41.03	41.02	0.01	0.00		431.36	9466.89	29.39	749.59
Hempstead Lake	12142.4*	Max WS	41.03	41.02	0.01	0.00		393.11	9506.70	27.81	735.28
Hempstead Lake	12132.5*	Max WS	41.03	41.02	0.01	0.00		389.82	9509.17	28.61	721.12
Hempstead Lake	12122.7*	Max WS	41.03	41.02	0.01	0.00		385.87	9512.16	29.55	706.79

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12112.8*	Max WS	41.03	41.02	0.01	0.00		377.72	9519.37	30.48	692.29
Hempstead Lake	12102.9*	Max WS	41.03	41.02	0.02	0.00		366.53	9530.11	30.90	677.62
Hempstead Lake	12093.1*	Max WS	41.03	41.02	0.02	0.00		361.24	9534.40	31.88	662.65
Hempstead Lake	12083.2*	Max WS	41.03	41.01	0.02	0.00		355.32	9539.19	32.99	647.54
Hempstead Lake	12073.3*	Max WS	41.03	41.01	0.02	0.00		349.14	9544.33	34.02	632.36
Hempstead Lake	12063.5*	Max WS	41.03	41.01	0.02	0.00		339.15	9553.20	35.12	617.02
Hempstead Lake	12053.6*	Max WS	41.03	41.01	0.02	0.00		325.11	9566.87	35.47	601.50
Hempstead Lake	12043.7*	Max WS	41.03	41.01	0.02	0.00		317.12	9573.76	36.56	585.81
Hempstead Lake	12033.9*	Max WS	41.03	41.01	0.02	0.00		308.81	9580.98	37.63	569.79
Hempstead Lake	12024.0*	Max WS	41.03	41.01	0.02	0.00		299.75	9589.06	38.60	553.74
Hempstead Lake	12014.1*	Max WS	41.03	41.00	0.03	0.00		283.19	9605.54	38.66	537.51
Hempstead Lake	12004.3*	Max WS	41.03	41.00	0.03	0.00		271.02	9616.69	39.66	521.17
Hempstead Lake	11994.45	Max WS	41.03	41.00	0.03	0.00		359.30	9501.00	67.06	504.52
Hempstead Lake	11989.45	Max WS	41.02	41.00	0.03			379.75	9535.51	73.13	504.50
Hempstead Lake	11979		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.99	40.96	0.03	0.00		454.08	9436.23	98.08	503.97
Hempstead Lake	11964.45	Max WS	40.99	40.96	0.03	0.00		477.94	9406.81	103.63	503.96
Hempstead Lake	11954.6*	Max WS	40.99	40.96	0.03	0.00		302.99	9601.79	83.59	512.85
Hempstead Lake	11944.8*	Max WS	40.99	40.96	0.03	0.00		313.63	9580.71	94.03	522.74
Hempstead Lake	11934.9*	Max WS	40.99	40.95	0.04	0.00		322.35	9559.81	106.19	533.85
Hempstead Lake	11925.1*	Max WS	40.99	40.95	0.04	0.00		331.11	9535.83	121.39	543.86
Hempstead Lake	11915.3*	Max WS	40.98	40.94	0.04	0.00		339.52	9508.95	139.85	554.34
Hempstead Lake	11905.5*	Max WS	40.97	40.93	0.04	0.00		349.63	9476.29	162.39	565.56
Hempstead Lake	11895.6*	Max WS	40.97	40.92	0.04	0.00		357.32	9441.51	189.47	576.70
Hempstead Lake	11885.8*	Max WS	40.96	40.92	0.04	0.00		365.63	9399.97	222.69	588.51
Hempstead Lake	11876.0*	Max WS	40.95	40.91	0.04	0.00		436.45	9245.08	306.75	601.14
Hempstead Lake	11866.2*	Max WS	40.94	40.90	0.05	0.00		440.20	9180.52	367.54	602.85
Hempstead Lake	11856.4*	Max WS	40.93	40.88	0.05	0.00		443.03	9107.93	437.30	604.50
Hempstead Lake	11846.5*	Max WS	40.91	40.86	0.05	0.00		445.31	9026.54	516.40	606.16
Hempstead Lake	11836.7*	Max WS	40.89	40.83	0.05	0.00		447.32	8933.94	606.98	607.82
Hempstead Lake	11826.9*	Max WS	40.81	40.75	0.06	0.00		446.36	8838.78	703.09	609.47
Hempstead Lake	11817.1*	Max WS	40.69	40.63	0.06	0.00		443.30	8735.68	809.24	611.13
Hempstead Lake	11807.2*	Max WS	40.62	40.56	0.06	0.00		440.46	8610.93	936.82	612.78
Hempstead Lake	11797.46	Max WS	38.78	38.68	0.10	0.00		248.74	8350.40	758.66	614.44
Hempstead Lake	11792.46	Max WS	39.83	39.74	0.09			307.49	8860.31	820.41	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	35.42	35.39	0.03	0.00			922.28		602.28
Hempstead Lake	11627.46	Max WS	35.42	35.39	0.03	0.00			924.66		612.43
Hempstead Lake	11617.9*	Max WS	35.41	35.39	0.02	0.00			923.07		645.38
Hempstead Lake	11608.4*	Max WS	35.41	35.40	0.01	0.00			926.26		661.05
Hempstead Lake	11598.94	Max WS	35.41	35.40	0.01	0.00			929.50		678.05
Hempstead Lake	11573.9*	Max WS	35.42	35.42	0.00	0.00		27.68	965.23	0.78	751.06
Hempstead Lake	11548.9*	Max WS	35.42	35.42	0.00	0.00		59.19	935.83	0.54	826.73
Hempstead Lake	11523.9*	Max WS	35.42	35.42	0.00	0.00		104.40	891.71	0.38	903.84
Hempstead Lake	11498.9*	Max WS	35.42	35.42	0.00	0.00		161.11	834.19	0.25	981.99
Hempstead Lake	11473.9*	Max WS	35.42	35.42	0.00	0.00		225.73	769.65	0.16	1053.95
Hempstead Lake	11448.9*	Max WS	35.42	35.42	0.00	0.00		284.67	710.77	0.10	1125.81
Hempstead Lake	11423.9*	Max WS	35.42	35.42	0.00	0.00		336.31	660.09	0.05	1197.16
Hempstead Lake	11398.9*	Max WS	35.42	35.42	0.00	0.00		385.62	610.79	0.03	1260.11
Hempstead Lake	11373.9*	Max WS	35.42	35.42	0.00	0.00		426.86	569.55	0.01	1299.35
Hempstead Lake	11349.*	Max WS	35.42	35.42	0.00	0.00		464.65	531.74	0.01	1361.67
Hempstead Lake	11324.*	Max WS	35.42	35.42	0.00	0.00		507.44	488.95	0.00	1425.99
Hempstead Lake	11299.0*	Max WS	35.42	35.42	0.00	0.00		539.26	457.11	0.00	1493.97
Hempstead Lake	11274.0*	Max WS	35.42	35.42	0.00	0.00		568.54	427.82	0.00	1561.90
Hempstead Lake	11249.0*	Max WS	35.42	35.42	0.00	0.00		601.24	395.10	0.00	1629.93
Hempstead Lake	11224.0*	Max WS	35.42	35.42	0.00	0.00		626.53	370.62	0.00	1698.15
Hempstead Lake	11199.0*	Max WS	35.42	35.42	0.00	0.00		648.45	347.09		1765.79
Hempstead Lake	11174.0*	Max WS	35.42	35.42	0.00	0.00		670.16	326.16		1833.93
Hempstead Lake	11149.0*	Max WS	35.42	35.42	0.00	0.00		695.20	300.34		1902.23
Hempstead Lake	11124.0*	Max WS	35.42	35.42	0.00	0.00		714.04	282.25		1971.25
Hempstead Lake	11099.0*	Max WS	35.42	35.42	0.00	0.00		731.05	265.22		2040.67
Hempstead Lake	11074.0*	Max WS	35.42	35.42	0.00	0.00		752.21	243.32		2109.77
Hempstead Lake	11049.07	Max WS	35.42	35.42	0.00	0.00		571.86	424.38		2179.29
Hempstead Lake	11038.4*	Max WS	35.42	35.42	0.00	0.00		746.84	249.38		2154.33
Hempstead Lake	11027.7*	Max WS	35.42	35.42	0.00	0.00		731.80	264.42		2131.01
Hempstead Lake	11017.0*	Max WS	35.42	35.42	0.00	0.00		709.53	286.68		2107.62
Hempstead Lake	11006.4*	Max WS	35.42	35.42	0.00	0.00		685.94	310.26		2084.28
Hempstead Lake	10995.7*	Max WS	35.42	35.42	0.00	0.00		667.31	328.22		2055.38
Hempstead Lake	10985.0*	Max WS	35.42	35.42	0.00	0.00		642.09	354.09		1890.50
Hempstead Lake	10974.4*	Max WS	35.42	35.42	0.00	0.00		621.60	373.93		1831.85
Hempstead Lake	10963.7*	Max WS	35.42	35.42	0.00	0.00		593.82	402.33		1812.43
Hempstead Lake	10953.1*	Max WS	35.42	35.42	0.00	0.00		564.63	431.51		1793.05

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10942.4*	Max WS	35.42	35.42	0.00	0.00		541.20	454.93		1774.04
Hempstead Lake	10931.7*	Max WS	35.42	35.42	0.00	0.00		510.20	485.92		1754.86
Hempstead Lake	10921.1*	Max WS	35.42	35.42	0.00	0.00		478.61	517.50		1735.77
Hempstead Lake	10910.4*	Max WS	35.42	35.42	0.00	0.00		452.66	542.87		1716.86
Hempstead Lake	10899.7*	Max WS	35.42	35.42	0.00	0.00		420.09	575.42		1697.83
Hempstead Lake	10889.1*	Max WS	35.42	35.42	0.00	0.00		387.80	608.29		1679.05
Hempstead Lake	10878.4*	Max WS	35.42	35.42	0.00	0.00		361.19	634.88		1660.13
Hempstead Lake	10867.8*	Max WS	35.42	35.42	0.00	0.00		328.92	667.14		1641.16
Hempstead Lake	10857.1*	Max WS	35.42	35.42	0.00	0.00		302.52	693.53		1622.48
Hempstead Lake	10846.4*	Max WS	35.42	35.42	0.00	0.00		271.62	724.42		1603.71
Hempstead Lake	10835.8*	Max WS	35.42	35.42	0.00	0.00		241.90	754.13		1585.03
Hempstead Lake	10825.1*	Max WS	35.42	35.42	0.00	0.00		217.54	779.00		1566.52
Hempstead Lake	10814.4*	Max WS	35.42	35.42	0.00	0.00		190.29	805.72		1547.96
Hempstead Lake	10803.8*	Max WS	35.42	35.42	0.00	0.00		165.31	831.19		1529.50
Hempstead Lake	10793.1*	Max WS	35.42	35.42	0.00	0.00		145.40	850.11		1511.13
Hempstead Lake	10782.4*	Max WS	35.42	35.42	0.00	0.00		124.61	871.85		1492.77
Hempstead Lake	10771.8*	Max WS	35.42	35.42	0.00	0.00		105.53	890.46		1474.47
Hempstead Lake	10761.1*	Max WS	35.42	35.42	0.00	0.00		90.23	905.75		1456.33
Hempstead Lake	10750.5*	Max WS	35.42	35.42	0.00	0.00		74.81	921.15		1438.15
Hempstead Lake	10739.8*	Max WS	35.42	35.42	0.00	0.00		61.21	934.73		1420.15
Hempstead Lake	10729.1*	Max WS	35.42	35.42	0.00	0.00		50.39	945.54		1402.17
Hempstead Lake	10718.5*	Max WS	35.42	35.42	0.00	0.00		40.11	956.25		1384.39
Hempstead Lake	10707.8*	Max WS	35.42	35.42	0.00	0.00		32.00	963.93		1365.66
Hempstead Lake	10697.1*	Max WS	35.42	35.42	0.00	0.00		24.61	971.31		1346.93
Hempstead Lake	10686.5*	Max WS	35.42	35.42	0.00	0.00		18.50	977.02		1328.74
Hempstead Lake	10675.8*	Max WS	35.42	35.42	0.00	0.00		13.80	981.72		1310.89
Hempstead Lake	10665.2*	Max WS	35.42	35.42	0.00	0.00		9.78	986.11		1293.32
Hempstead Lake	10654.5*	Max WS	35.42	35.42	0.00	0.00		6.68	988.84		1275.93
Hempstead Lake	10643.8*	Max WS	35.42	35.42	0.00	0.00		4.41	991.09		1259.24
Hempstead Lake	10633.2*	Max WS	35.42	35.42	0.00	0.00		2.67	992.84		1243.20
Hempstead Lake	10622.5*	Max WS	35.42	35.42	0.00	0.00		1.47	994.04		1227.44
Hempstead Lake	10611.8*	Max WS	35.42	35.42	0.00	0.00		0.71	994.79		1211.85
Hempstead Lake	10601.2*	Max WS	35.42	35.42	0.00	0.00		0.26	995.94		1196.44
Hempstead Lake	10590.5*	Max WS	35.42	35.42	0.00	0.00		0.05	995.79		1181.21
Hempstead Lake	10579.8*	Max WS	35.42	35.42	0.00	0.00		0.00	995.49		1158.96
Hempstead Lake	10569.23	Max WS	35.42	35.42	0.00	0.00			995.83		1119.42
Hempstead Lake	10549.1*	Max WS	35.42	35.42	0.00	0.00			995.82		1118.30
Hempstead Lake	10529.0*	Max WS	35.42	35.42	0.00	0.00			996.13		1117.15
Hempstead Lake	10508.9*	Max WS	35.42	35.42	0.00	0.00			995.81		1115.98
Hempstead Lake	10488.7*	Max WS	35.42	35.42	0.00	0.00			995.80		1114.19
Hempstead Lake	10468.6*	Max WS	35.42	35.42	0.00	0.00			995.49		1111.90
Hempstead Lake	10448.5*	Max WS	35.42	35.42	0.00	0.00			995.79		1109.68
Hempstead Lake	10428.4*	Max WS	35.42	35.42	0.00	0.00			995.78		1107.40
Hempstead Lake	10408.3*	Max WS	35.42	35.42	0.00	0.00			995.77		1104.80
Hempstead Lake	10388.2*	Max WS	35.42	35.42	0.00	0.00			995.76		1102.38
Hempstead Lake	10368.1*	Max WS	35.42	35.42	0.00	0.00			995.48		1099.86
Hempstead Lake	10348.0*	Max WS	35.42	35.42	0.00	0.00			996.01		1097.34
Hempstead Lake	10327.9*	Max WS	35.42	35.42	0.00	0.00			995.74		1094.77
Hempstead Lake	10307.8*	Max WS	35.42	35.42	0.00	0.00			995.73		1092.31
Hempstead Lake	10287.7*	Max WS	35.42	35.42	0.00	0.00			995.48		1089.77
Hempstead Lake	10267.6*	Max WS	35.42	35.42	0.00	0.00			995.48		1087.22
Hempstead Lake	10247.4*	Max WS	35.42	35.42	0.00	0.00			995.47		1084.66
Hempstead Lake	10227.3*	Max WS	35.42	35.42	0.00	0.00			995.70		1082.21
Hempstead Lake	10207.2*	Max WS	35.42	35.42	0.00	0.00			995.69		1079.66
Hempstead Lake	10187.1*	Max WS	35.42	35.42	0.00	0.00			995.46		1077.23
Hempstead Lake	10167.0*	Max WS	35.42	35.42	0.00	0.00			995.45		1074.72
Hempstead Lake	10146.9*	Max WS	35.42	35.42	0.00	0.00			995.67		1072.35
Hempstead Lake	10126.8*	Max WS	35.42	35.42	0.00	0.00			995.67		1069.89
Hempstead Lake	10106.7*	Max WS	35.42	35.42	0.00	0.00			995.66		1067.54
Hempstead Lake	10086.6*	Max WS	35.42	35.42	0.00	0.00			995.65		1065.23
Hempstead Lake	10066.5*	Max WS	35.42	35.42	0.00	0.00			995.65		1062.91
Hempstead Lake	10046.4*	Max WS	35.42	35.42	0.00	0.00		0.00	995.64		1071.07
Hempstead Lake	10026.2*	Max WS	35.42	35.42	0.00	0.00		0.01	995.63		1087.83
Hempstead Lake	10006.1*	Max WS	35.42	35.42	0.00	0.00		0.02	995.60		1134.55
Hempstead Lake	9986.073	Max WS	35.42	35.42	0.00	0.00		0.06	995.55		1160.47
Hempstead Lake	9965.77*	Max WS	35.42	35.42	0.00	0.00		0.03	995.57		1155.69
Hempstead Lake	9945.47*	Max WS	35.42	35.42	0.00	0.00		0.02	995.42		1108.80
Hempstead Lake	9925.18*	Max WS	35.42	35.42	0.00	0.00		0.01	995.58		1089.53
Hempstead Lake	9904.88*	Max WS	35.42	35.42	0.00	0.00		0.01	995.58		1077.97
Hempstead Lake	9884.59*	Max WS	35.42	35.42	0.00	0.00		0.00	995.44	0.00	1064.99
Hempstead Lake	9864.29*	Max WS	35.42	35.42	0.00	0.00		0.00	995.56	0.00	1050.88
Hempstead Lake	9843.99*	Max WS	35.42	35.42	0.00	0.00			995.55	0.00	1037.16

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	9823.7*	Max WS	35.42	35.42	0.00	0.00			995.54	0.01	1034.52
Hempstead Lake	9803.40*	Max WS	35.42	35.42	0.00	0.00			995.41	0.01	1033.88
Hempstead Lake	9783.10*	Max WS	35.42	35.42	0.00	0.00			995.40	0.02	1032.98
Hempstead Lake	9762.81*	Max WS	35.42	35.42	0.00	0.00		0.00	995.25	0.03	1031.84
Hempstead Lake	9742.51*	Max WS	35.42	35.42	0.00	0.00		0.00	995.37	0.04	1030.29
Hempstead Lake	9722.21*	Max WS	35.42	35.42	0.00	0.00		0.00	995.44	0.06	1028.44
Hempstead Lake	9701.92*	Max WS	35.42	35.42	0.00	0.00		0.01	995.32	0.08	1026.56
Hempstead Lake	9681.62*	Max WS	35.42	35.42	0.00	0.00		0.01	995.38	0.10	1024.49
Hempstead Lake	9661.32*	Max WS	35.42	35.42	0.00	0.00		0.02	995.14	0.12	1022.28
Hempstead Lake	9641.03*	Max WS	35.42	35.42	0.00	0.00		0.03	995.30	0.15	1019.90
Hempstead Lake	9620.73*	Max WS	35.42	35.42	0.00	0.00		0.04	995.06	0.18	1017.50
Hempstead Lake	9600.43*	Max WS	35.42	35.42	0.00	0.00		0.06	995.19	0.21	1014.92
Hempstead Lake	9580.14*	Max WS	35.42	35.42	0.00	0.00		0.07	995.05	0.25	1012.33
Hempstead Lake	9559.84*	Max WS	35.42	35.42	0.00	0.00		0.09	994.89	0.30	1009.52
Hempstead Lake	9539.54*	Max WS	35.42	35.42	0.00	0.00		0.12	994.90	0.35	1006.73
Hempstead Lake	9519.25*	Max WS	35.42	35.42	0.00	0.00		0.14	994.87	0.41	1003.85
Hempstead Lake	9498.95*	Max WS	35.42	35.42	0.00	0.00		0.17	994.71	0.48	1001.03
Hempstead Lake	9478.65*	Max WS	35.42	35.42	0.00	0.00		0.20	994.61	0.54	997.94
Hempstead Lake	9458.36*	Max WS	35.42	35.42	0.00	0.00		0.24	994.50	0.61	994.90
Hempstead Lake	9438.06*	Max WS	35.42	35.42	0.00	0.00		0.28	994.42	0.69	991.86
Hempstead Lake	9417.76*	Max WS	35.42	35.42	0.00	0.00		0.32	994.25	0.78	989.70
Hempstead Lake	9397.47*	Max WS	35.42	35.42	0.00	0.00		0.35	994.07	0.86	989.70
Hempstead Lake	9377.17*	Max WS	35.42	35.42	0.00	0.00		0.38	994.00	0.95	989.45
Hempstead Lake	9356.87*	Max WS	35.42	35.42	0.00	0.00		0.43	993.87	1.05	986.08
Hempstead Lake	9336.58*	Max WS	35.42	35.42	0.00	0.00		0.49	993.63	1.16	982.56
Hempstead Lake	9316.28*	Max WS	35.42	35.42	0.00	0.00		0.55	993.50	1.27	979.03
Hempstead Lake	9295.98*	Max WS	35.42	35.42	0.00	0.00		0.62	993.31	1.39	975.76
Hempstead Lake	9275.69*	Max WS	35.42	35.42	0.00	0.00		0.69	993.11	1.50	973.89
Hempstead Lake	9255.39*	Max WS	35.42	35.42	0.00	0.00		0.76	992.88	1.63	972.09
Hempstead Lake	9235.09*	Max WS	35.42	35.42	0.00	0.00		0.84	992.67	1.76	969.91
Hempstead Lake	9214.80*	Max WS	35.42	35.42	0.00	0.00		0.93	992.46	1.90	967.80
Hempstead Lake	9194.50*	Max WS	35.42	35.42	0.00	0.00		1.02	992.20	2.04	965.31
Hempstead Lake	9174.20*	Max WS	35.42	35.42	0.00	0.00		1.12	991.92	2.19	963.19
Hempstead Lake	9153.910	Max WS	35.42	35.42	0.00	0.00		1.23	991.99	2.06	960.94
Hempstead Lake	9133.22*	Max WS	35.42	35.42	0.00	0.00		1.22	1022.39	2.06	967.64
Hempstead Lake	9112.54*	Max WS	35.42	35.42	0.00	0.00		1.19	1022.45	2.00	974.15
Hempstead Lake	9091.85*	Max WS	35.42	35.42	0.00	0.00		1.15	1022.57	1.94	980.96
Hempstead Lake	9071.17*	Max WS	35.42	35.42	0.00	0.00		1.11	1022.68	1.89	987.80
Hempstead Lake	9050.49*	Max WS	35.42	35.42	0.00	0.00		1.08	1022.76	1.83	994.52
Hempstead Lake	9029.80*	Max WS	35.42	35.42	0.00	0.00		1.04	1022.84	1.78	1001.53
Hempstead Lake	9009.12*	Max WS	35.42	35.42	0.00	0.00		1.01	1022.91	1.73	1008.47
Hempstead Lake	8988.44*	Max WS	35.42	35.42	0.00	0.00		0.98	1023.00	1.67	1015.37
Hempstead Lake	8967.75*	Max WS	35.42	35.42	0.00	0.00		0.95	1023.07	1.62	1022.50
Hempstead Lake	8947.07*	Max WS	35.42	35.42	0.00	0.00		0.91	1023.17	1.56	1029.70
Hempstead Lake	8926.39*	Max WS	35.42	35.42	0.00	0.00		0.88	1023.20	1.51	1036.76
Hempstead Lake	8905.70*	Max WS	35.42	35.42	0.00	0.00		0.88	1023.23	1.50	1044.11
Hempstead Lake	8885.02*	Max WS	35.42	35.42	0.00	0.00		0.85	1023.34	1.45	1051.60
Hempstead Lake	8864.33*	Max WS	35.42	35.42	0.00	0.00		0.81	1023.41	1.40	1059.01
Hempstead Lake	8843.65*	Max WS	35.42	35.42	0.00	0.00		0.78	1023.50	1.34	1066.72
Hempstead Lake	8822.97*	Max WS	35.42	35.42	0.00	0.00		0.75	1023.57	1.29	1074.61
Hempstead Lake	8802.28*	Max WS	35.42	35.42	0.00	0.00		0.72	1023.63	1.24	1082.90
Hempstead Lake	8781.60*	Max WS	35.42	35.42	0.00	0.00		0.69	1023.71	1.18	1092.13
Hempstead Lake	8760.92*	Max WS	35.42	35.42	0.00	0.00		0.66	1023.81	1.13	1101.25
Hempstead Lake	8740.23*	Max WS	35.42	35.42	0.00	0.00		0.63	1023.89	1.08	1110.58
Hempstead Lake	8719.55*	Max WS	35.42	35.42	0.00	0.00		0.61	1023.96	1.03	1120.55
Hempstead Lake	8698.86*	Max WS	35.42	35.42	0.00	0.00		0.58	1024.04	0.98	1131.07
Hempstead Lake	8678.18*	Max WS	35.42	35.42	0.00	0.00		0.56	1024.09	0.93	1142.11
Hempstead Lake	8657.50*	Max WS	35.42	35.42	0.00	0.00		0.54	1024.16	0.88	1154.25
Hempstead Lake	8636.81*	Max WS	35.42	35.42	0.00	0.00		0.52	1024.23	0.83	1168.24
Hempstead Lake	8616.13*	Max WS	35.42	35.42	0.00	0.00		0.47	1024.33	0.78	1199.33
Hempstead Lake	8595.45*	Max WS	35.42	35.42	0.00	0.00		0.42	1024.42	0.74	1254.91
Hempstead Lake	8574.76*	Max WS	35.42	35.42	0.00	0.00		0.41	1024.47	0.69	1331.45
Hempstead Lake	8554.08*	Max WS	35.42	35.42	0.00	0.00		0.47	1024.45	0.64	1369.17
Hempstead Lake	8533.39*	Max WS	35.42	35.42	0.00	0.00		0.56	1024.39	0.60	1403.06
Hempstead Lake	8512.71*	Max WS	35.42	35.42	0.00	0.00		0.65	1024.36	0.55	1447.92
Hempstead Lake	8492.03*	Max WS	35.42	35.42	0.00	0.00		0.77	1024.27	0.51	1492.66
Hempstead Lake	8471.34*	Max WS	35.42	35.42	0.00	0.00		0.93	1024.11	0.47	1530.86
Hempstead Lake	8450.66*	Max WS	35.42	35.42	0.00	0.00		1.13	1023.96	0.43	1547.99
Hempstead Lake	8429.980	Max WS	35.42	35.42	0.00	0.00		1.33	1023.83	0.38	1566.37
Hempstead Lake	8416.34*	Max WS	35.42	35.42	0.00	0.00		1.27	1023.89	0.38	1569.87
Hempstead Lake	8402.71*	Max WS	35.42	35.42	0.00	0.00		1.21	1023.94	0.38	1573.08
Hempstead Lake	8389.07*	Max WS	35.42	35.42	0.00	0.00		1.14	1024.01	0.38	1576.13

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8375.44*	Max WS	35.42	35.42	0.00	0.00		1.08	1024.04	0.38	1579.75
Hempstead Lake	8361.81*	Max WS	35.42	35.42	0.00	0.00		1.02	1024.10	0.38	1583.25
Hempstead Lake	8348.17*	Max WS	35.42	35.42	0.00	0.00		0.96	1024.18	0.38	1586.55
Hempstead Lake	8334.54*	Max WS	35.42	35.42	0.00	0.00		0.91	1024.15	0.38	1589.65
Hempstead Lake	8320.91*	Max WS	35.42	35.42	0.00	0.00		0.85	1024.26	0.38	1593.16
Hempstead Lake	8307.27*	Max WS	35.42	35.42	0.00	0.00		0.80	1024.33	0.38	1595.54
Hempstead Lake	8293.64*	Max WS	35.42	35.42	0.00	0.00		0.75	1024.36	0.38	1597.38
Hempstead Lake	8280.00*	Max WS	35.42	35.42	0.00	0.00		0.81	1024.31	0.38	1521.23
Hempstead Lake	8266.37*	Max WS	35.42	35.42	0.00	0.00		0.82	1024.29	0.38	1488.57
Hempstead Lake	8252.74*	Max WS	35.42	35.42	0.00	0.00		0.82	1024.12	0.39	1473.86
Hempstead Lake	8239.10*	Max WS	35.42	35.42	0.00	0.00		0.82	1024.29	0.38	1462.10
Hempstead Lake	8225.47*	Max WS	35.42	35.42	0.00	0.00		0.81	1024.13	0.38	1460.31
Hempstead Lake	8211.84*	Max WS	35.42	35.42	0.00	0.00		0.80	1024.13	0.39	1456.42
Hempstead Lake	8198.20*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.02	0.39	1452.51
Hempstead Lake	8184.57*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.24	0.39	1448.23
Hempstead Lake	8170.93*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.24	0.39	1445.61
Hempstead Lake	8157.30*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.14	0.39	1460.24
Hempstead Lake	8143.67*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.22	0.39	1521.18
Hempstead Lake	8130.03*	Max WS	35.42	35.42	0.00	0.00		0.79	1024.21	0.39	1532.16
Hempstead Lake	8116.40*	Max WS	35.42	35.42	0.00	0.00		0.80	1023.57	0.39	1544.23
Hempstead Lake	8102.76*	Max WS	35.42	35.42	0.00	0.00		0.81	1023.80	0.39	1551.31
Hempstead Lake	8089.13*	Max WS	35.42	35.42	0.00	0.00		0.82	1023.79	0.39	1557.56
Hempstead Lake	8075.50*	Max WS	35.42	35.42	0.00	0.00		0.83	1023.96	0.39	1570.16
Hempstead Lake	8061.86*	Max WS	35.42	35.42	0.00	0.00		0.84	1023.94	0.39	1583.21
Hempstead Lake	8048.23*	Max WS	35.42	35.42	0.00	0.00		0.86	1024.05	0.39	1599.33
Hempstead Lake	8034.6*	Max WS	35.42	35.42	0.00	0.00		0.87	1023.50	0.39	1609.60
Hempstead Lake	8020.96*	Max WS	35.42	35.42	0.00	0.00		0.89	1023.47	0.39	1618.08
Hempstead Lake	8007.33*	Max WS	35.42	35.42	0.00	0.00		0.91	1023.68	0.39	1632.02
Hempstead Lake	7993.69*	Max WS	35.42	35.42	0.00	0.00		0.93	1023.66	0.39	1645.10
Hempstead Lake	7980.06*	Max WS	35.42	35.42	0.00	0.00		0.95	1023.14	0.39	1662.23
Hempstead Lake	7966.43*	Max WS	35.42	35.42	0.00	0.00		0.98	1023.37	0.39	1682.80
Hempstead Lake	7952.79*	Max WS	35.42	35.42	0.00	0.00		1.01	1023.34	0.39	1711.63
Hempstead Lake	7939.16*	Max WS	35.42	35.42	0.00	0.00		1.04	1023.53	0.39	1740.40
Hempstead Lake	7925.53*	Max WS	35.42	35.42	0.00	0.00		1.07	1023.49	0.39	1762.75
Hempstead Lake	7911.89*	Max WS	35.42	35.42	0.00	0.00		1.11	1023.45	0.39	1793.74
Hempstead Lake	7898.26*	Max WS	35.42	35.42	0.00	0.00		1.15	1022.60	0.39	1826.27
Hempstead Lake	7884.62*	Max WS	35.42	35.42	0.00	0.00		1.20	1022.88	0.39	1863.33
Hempstead Lake	7870.99*	Max WS	35.42	35.42	0.00	0.00		1.25	1022.83	0.39	1915.51
Hempstead Lake	7857.36*	Max WS	35.42	35.42	0.00	0.00		1.31	1022.76	0.39	1973.62
Hempstead Lake	7843.72*	Max WS	35.42	35.42	0.00	0.00		1.38	1021.57	0.39	2029.24
Hempstead Lake	7830.09*	Max WS	35.42	35.42	0.00	0.00		1.46	1021.92	0.39	2085.88
Hempstead Lake	7816.45*	Max WS	35.42	35.42	0.00	0.00		1.55	1022.52	0.39	2136.12
Hempstead Lake	7802.82*	Max WS	35.42	35.42	0.00	0.00		1.63	1021.32	0.39	2199.67
Hempstead Lake	7789.19*	Max WS	35.42	35.42	0.00	0.00		1.74	1021.21	0.39	2264.77
Hempstead Lake	7775.55*	Max WS	35.42	35.42	0.00	0.00		1.63	1022.11	0.39	2843.93
Hempstead Lake	7761.92*	Max WS	35.42	35.42	0.00	0.00		1.85	1020.63	0.39	2850.18
Hempstead Lake	7748.29*	Max WS	35.42	35.42	0.00	0.00		2.09	1021.28	0.39	2857.27
Hempstead Lake	7734.65*	Max WS	35.42	35.42	0.00	0.00		2.36	1020.11	0.39	2864.04
Hempstead Lake	7721.02*	Max WS	35.42	35.42	0.00	0.00		2.65	1020.29	0.39	2871.17
Hempstead Lake	7707.38*	Max WS	35.42	35.42	0.00	0.00		2.94	1019.00	0.39	2878.74
Hempstead Lake	7693.75*	Max WS	35.42	35.42	0.00	0.00		3.27	1019.66	0.39	2886.06
Hempstead Lake	7680.12*	Max WS	35.42	35.42	0.00	0.00		3.60	1018.87	0.39	2894.17
Hempstead Lake	7666.48*	Max WS	35.42	35.42	0.00	0.00		3.95	1016.73	0.39	2902.10
Hempstead Lake	7652.85*	Max WS	35.42	35.42	0.00	0.00		4.31	1017.03	0.39	2910.04
Hempstead Lake	7639.22*	Max WS	35.42	35.42	0.00	0.00		4.70	1017.22	0.39	2918.18
Hempstead Lake	7625.58*	Max WS	35.42	35.42	0.00	0.00		5.10	1015.58	0.39	2928.23
Hempstead Lake	7611.95*	Max WS	35.42	35.42	0.00	0.00		5.50	1015.83	0.39	2936.88
Hempstead Lake	7598.31*	Max WS	35.42	35.42	0.00	0.00		5.92	1015.98	0.39	2946.21
Hempstead Lake	7584.68*	Max WS	35.42	35.42	0.00	0.00		6.33	1013.68	0.39	2956.75
Hempstead Lake	7571.05*	Max WS	35.42	35.42	0.00	0.00		6.78	1013.89	0.39	2967.16
Hempstead Lake	7557.41*	Max WS	35.42	35.42	0.00	0.00		7.23	1014.08	0.39	2978.46
Hempstead Lake	7543.783	Max WS	35.42	35.42	0.00	0.00		7.79	1014.09	0.39	2990.10
Hempstead Lake	7530.03*	Max WS	35.42	35.42	0.00	0.00		8.48	1030.40	0.46	3002.00
Hempstead Lake	7516.28*	Max WS	35.42	35.42	0.00	0.00		8.90	1029.39	0.48	3013.63
Hempstead Lake	7502.53*	Max WS	35.42	35.42	0.00	0.00		9.32	1028.92	0.50	3025.80
Hempstead Lake	7488.79*	Max WS	35.42	35.42	0.00	0.00		9.76	1028.46	0.53	3038.03
Hempstead Lake	7475.04*	Max WS	35.42	35.42	0.00	0.00		10.21	1028.52	0.55	3050.83
Hempstead Lake	7461.29*	Max WS	35.42	35.42	0.00	0.00		10.65	1026.24	0.58	3064.53
Hempstead Lake	7447.54*	Max WS	35.42	35.42	0.00	0.00		11.13	1027.00	0.60	3077.36
Hempstead Lake	7433.79*	Max WS	35.42	35.42	0.00	0.00		11.59	1025.92	0.63	3089.75
Hempstead Lake	7420.04*	Max WS	35.42	35.42	0.00	0.00		12.07	1024.72	0.66	3102.81
Hempstead Lake	7406.3*	Max WS	35.42	35.42	0.00	0.00		12.57	1024.86	0.69	3117.56

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7392.55*	Max WS	35.42	35.42	0.00	0.00		13.08	1024.31	0.72	3131.64
Hempstead Lake	7378.80*	Max WS	35.42	35.42	0.00	0.00		13.57	1021.65	0.74	3147.17
Hempstead Lake	7365.05*	Max WS	35.42	35.42	0.00	0.00		14.10	1022.56	0.77	3180.63
Hempstead Lake	7351.30*	Max WS	35.42	35.42	0.00	0.00		14.63	1022.00	0.80	3224.47
Hempstead Lake	7337.55*	Max WS	35.42	35.42	0.00	0.00		15.15	1020.74	0.83	3268.03
Hempstead Lake	7323.81*	Max WS	35.42	35.42	0.00	0.00		15.70	1020.15	0.87	3308.31
Hempstead Lake	7310.06*	Max WS	35.42	35.42	0.00	0.00		16.26	1019.56	0.88	3331.92
Hempstead Lake	7296.31*	Max WS	35.42	35.42	0.00	0.00		16.83	1019.66	0.92	3339.18
Hempstead Lake	7282.56*	Max WS	35.42	35.42	0.00	0.00		17.39	1018.34	0.96	3346.94
Hempstead Lake	7268.81*	Max WS	35.42	35.42	0.00	0.00		17.99	1018.38	1.01	3355.07
Hempstead Lake	7255.06*	Max WS	35.42	35.42	0.00	0.00		18.57	1017.74	1.05	3363.51
Hempstead Lake	7241.32*	Max WS	35.42	35.42	0.00	0.00		19.18	1017.08	1.09	3372.05
Hempstead Lake	7227.57*	Max WS	35.42	35.42	0.00	0.00		19.77	1015.79	1.13	3381.92
Hempstead Lake	7213.82*	Max WS	35.42	35.42	0.00	0.00		20.37	1015.14	1.17	3391.34
Hempstead Lake	7200.07*	Max WS	35.42	35.42	0.00	0.00		20.96	1015.15	1.22	3403.91
Hempstead Lake	7186.32*	Max WS	35.42	35.42	0.00	0.00		21.52	1011.56	1.25	3416.02
Hempstead Lake	7172.57*	Max WS	35.42	35.42	0.00	0.00		22.17	1013.19	1.30	3429.87
Hempstead Lake	7158.83*	Max WS	35.42	35.42	0.00	0.00		22.78	1011.81	1.34	3443.55
Hempstead Lake	7145.08*	Max WS	35.42	35.42	0.00	0.00		23.37	1010.43	1.38	3459.05
Hempstead Lake	7131.33*	Max WS	35.42	35.42	0.00	0.00		24.05	1011.10	1.42	3475.34
Hempstead Lake	7117.58*	Max WS	35.42	35.42	0.00	0.00		24.66	1009.73	1.46	3494.50
Hempstead Lake	7103.83*	Max WS	35.42	35.42	0.00	0.00		25.27	1007.58	1.50	3514.36
Hempstead Lake	7090.08*	Max WS	35.42	35.42	0.00	0.00		25.13	1008.46	1.49	3535.81
Hempstead Lake	7076.34*	Max WS	35.42	35.42	0.00	0.00		25.80	1009.09	1.53	3558.42
Hempstead Lake	7062.59*	Max WS	35.42	35.42	0.00	0.00		26.20	1006.57	1.56	3581.44
Hempstead Lake	7048.84*	Max WS	35.42	35.42	0.00	0.00		26.82	1007.35	1.60	3610.51
Hempstead Lake	7035.09*	Max WS	35.42	35.42	0.00	0.00		27.40	1005.97	1.64	3644.32
Hempstead Lake	7021.34*	Max WS	35.42	35.42	0.00	0.00		28.00	1004.60	1.68	3677.45
Hempstead Lake	7007.6*	Max WS	35.42	35.42	0.00	0.00		28.62	1004.64	1.71	3713.07
Hempstead Lake	6993.85*	Max WS	35.42	35.42	0.00	0.00		29.26	1003.93	1.75	3745.63
Hempstead Lake	6980.10*	Max WS	35.42	35.42	0.00	0.00		29.90	1003.89	1.80	3785.82
Hempstead Lake	6966.35*	Max WS	35.42	35.42	0.00	0.00		28.72	1004.99	1.84	3790.55
Hempstead Lake	6952.60*	Max WS	35.42	35.42	0.00	0.00		29.45	1002.29	1.87	3794.70
Hempstead Lake	6938.85*	Max WS	35.42	35.42	0.00	0.00		30.27	1002.72	1.91	3798.85
Hempstead Lake	6925.11*	Max WS	35.42	35.42	0.00	0.00		31.05	1001.88	1.95	3803.01
Hempstead Lake	6911.36*	Max WS	35.42	35.42	0.00	0.00		31.84	1000.45	1.99	3807.16
Hempstead Lake	6897.61*	Max WS	35.42	35.42	0.00	0.00		32.64	999.60	2.03	3811.31
Hempstead Lake	6883.86*	Max WS	35.42	35.42	0.00	0.00		33.47	999.31	2.07	3815.47
Hempstead Lake	6870.11*	Max WS	35.42	35.42	0.00	0.00		34.28	997.88	2.10	3819.62
Hempstead Lake	6856.36*	Max WS	35.42	35.42	0.00	0.00		35.14	998.11	2.14	3823.77
Hempstead Lake	6842.62*	Max WS	35.42	35.42	0.00	0.00		35.97	997.22	2.18	3827.92
Hempstead Lake	6828.87*	Max WS	35.42	35.42	0.00	0.00		36.75	994.67	2.22	3832.08
Hempstead Lake	6815.12*	Max WS	35.42	35.42	0.00	0.00		37.61	994.37	2.26	3836.23
Hempstead Lake	6801.37*	Max WS	35.42	35.42	0.00	0.00		38.48	994.02	2.30	3840.38
Hempstead Lake	6787.62*	Max WS	35.42	35.42	0.00	0.00		39.32	993.09	2.34	3844.54
Hempstead Lake	6773.87*	Max WS	35.42	35.42	0.00	0.00		40.61	990.56	2.40	3848.69
Hempstead Lake	6760.13*	Max WS	35.42	35.42	0.00	0.00		41.52	990.23	2.44	3852.84
Hempstead Lake	6746.38*	Max WS	35.42	35.42	0.00	0.00		42.42	989.24	2.48	3857.00
Hempstead Lake	6732.634	Max WS	35.42	35.42	0.00	0.00		42.67	984.86	6.04	3861.15
Hempstead Lake	6718.98*	Max WS	35.42	35.42	0.00	0.00		50.15	980.98	2.42	3855.10
Hempstead Lake	6705.33*	Max WS	35.42	35.42	0.00	0.00		51.46	979.28	2.39	3849.04
Hempstead Lake	6691.68*	Max WS	35.42	35.42	0.00	0.00		52.64	979.05	2.33	3842.99
Hempstead Lake	6678.03*	Max WS	35.42	35.42	0.00	0.00		53.36	978.37	2.26	3836.94
Hempstead Lake	6664.38*	Max WS	35.42	35.42	0.00	0.00		54.56	976.74	2.23	3830.88
Hempstead Lake	6650.72*	Max WS	35.42	35.42	0.00	0.00		55.82	975.51	2.17	3824.83
Hempstead Lake	6637.07*	Max WS	35.42	35.42	0.00	0.00		57.00	974.81	2.10	3818.77
Hempstead Lake	6623.42*	Max WS	35.42	35.42	0.00	0.00		58.35	973.45	2.07	3812.72
Hempstead Lake	6609.77*	Max WS	35.42	35.42	0.00	0.00		59.73	971.75	2.00	3806.67
Hempstead Lake	6596.12*	Max WS	35.42	35.42	0.00	0.00		61.20	970.67	1.93	3800.61
Hempstead Lake	6582.47*	Max WS	35.42	35.42	0.00	0.00		62.25	969.61	1.90	3778.71
Hempstead Lake	6568.82*	Max WS	35.42	35.42	0.00	0.00		64.23	968.07	1.83	3766.42
Hempstead Lake	6555.17*	Max WS	35.42	35.42	0.00	0.00		65.86	966.13	1.77	3755.85
Hempstead Lake	6541.52*	Max WS	35.42	35.42	0.00	0.00		67.08	964.91	1.73	3744.19
Hempstead Lake	6527.87*	Max WS	35.42	35.42	0.00	0.00		68.84	963.47	1.66	3732.88
Hempstead Lake	6514.22*	Max WS	35.42	35.42	0.00	0.00		70.65	961.19	1.59	3721.19
Hempstead Lake	6500.57*	Max WS	35.42	35.42	0.00	0.00		72.70	959.17	1.52	3710.41
Hempstead Lake	6486.91*	Max WS	35.42	35.42	0.00	0.00		74.70	957.17	1.48	3699.90
Hempstead Lake	6473.26*	Max WS	35.42	35.42	0.00	0.00		76.77	955.14	1.41	3689.65
Hempstead Lake	6459.61*	Max WS	35.42	35.42	0.00	0.00		78.49	953.46	1.34	3678.63
Hempstead Lake	6445.96*	Max WS	35.42	35.42	0.00	0.00		80.77	951.48	1.30	3668.78
Hempstead Lake	6432.31*	Max WS	35.42	35.42	0.00	0.00		83.94	948.13	1.23	3659.14
Hempstead Lake	6418.66*	Max WS	35.42	35.42	0.00	0.00		86.01	946.10	1.16	3649.69

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6405.01*	Max WS	35.42	35.42	0.00	0.00		88.66	943.69	1.11	3639.73
Hempstead Lake	6391.36*	Max WS	35.42	35.42	0.00	0.00		91.38	940.86	1.04	3631.46
Hempstead Lake	6377.71*	Max WS	35.42	35.42	0.00	0.00		94.26	938.02	0.97	3623.30
Hempstead Lake	6364.06*	Max WS	35.42	35.42	0.00	0.00		98.06	934.26	0.92	3615.10
Hempstead Lake	6350.41*	Max WS	35.42	35.42	0.00	0.00		101.28	930.76	0.84	3606.65
Hempstead Lake	6336.76*	Max WS	35.42	35.42	0.00	0.00		104.73	927.69	0.77	3598.58
Hempstead Lake	6323.11*	Max WS	35.42	35.42	0.00	0.00		107.84	924.81	0.72	3590.77
Hempstead Lake	6309.45*	Max WS	35.42	35.42	0.00	0.00		111.63	920.80	0.65	3582.79
Hempstead Lake	6295.80*	Max WS	35.42	35.42	0.00	0.00		117.56	914.92	0.58	3574.84
Hempstead Lake	6282.15*	Max WS	35.42	35.42	0.00	0.00		121.47	911.20	0.53	3567.26
Hempstead Lake	6268.507	Max WS	35.42	35.42	0.00	0.00		126.97	905.80	0.39	3559.45
Hempstead Lake	6259.72*	Max WS	35.42	35.42	0.00	0.00		97.53	935.32	0.28	3355.72
Hempstead Lake	6250.93*	Max WS	35.42	35.42	0.00	0.00		75.12	957.72	0.20	3152.47
Hempstead Lake	6242.14*	Max WS	35.42	35.42	0.00	0.00		56.56	976.38	0.14	2948.80
Hempstead Lake	6233.35*	Max WS	35.42	35.42	0.00	0.00		42.05	990.85	0.09	2745.80
Hempstead Lake	6224.57*	Max WS	35.42	35.42	0.00	0.00		30.45	1002.51	0.06	2545.18
Hempstead Lake	6215.78*	Max WS	35.42	35.42	0.00	0.00		21.17	1011.84	0.04	2338.18
Hempstead Lake	6206.99*	Max WS	35.42	35.42	0.00	0.00		13.98	1019.03	0.03	2118.66
Hempstead Lake	6198.21*	Max WS	35.42	35.42	0.00	0.00		8.60	1022.36	2.05	2213.21
Hempstead Lake	6189.42*	Max WS	35.42	35.42	0.00	0.00		4.52	1028.07	0.43	1882.45
Hempstead Lake	6180.638	Max WS	35.42	35.42	0.00	0.00		1.92	1031.07	0.02	1541.19
Hempstead Lake	6177.638	Max WS	35.42	35.42	0.00			2.58	1030.40	0.03	1541.19
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	21.28	21.25	0.03	0.04			1032.84		241.52
Hempstead Lake	5930.638	Max WS	21.24	21.22	0.02	0.02			1032.84		323.26
Hempstead Lake	5880.638	Max WS	21.21	21.20	0.01	0.02			1032.83		308.32
Hempstead Lake	5830.638	Max WS	21.20	21.18	0.01	0.02			1032.83		298.07
Hempstead Lake	5780.638	Max WS	21.17	21.15	0.02	0.04			1032.82		319.64
Hempstead Lake	5730.638	Max WS	21.14	21.12	0.02	0.03			997.94	34.87	397.35
Hempstead Lake	5680.638	Max WS	21.11	21.10	0.01	0.03			807.02	225.78	449.84
Hempstead Lake	5630.638	Max WS	21.07	21.06	0.01	0.03			627.15	405.65	539.92
Hempstead Lake	5580.638	Max WS	21.04	21.03	0.01	0.03		0.00	660.85	371.94	624.99
Hempstead Lake	5530.638	Max WS	21.01	21.00	0.01	0.05		0.75	730.23	301.81	676.86
Hempstead Lake	5480.638	Max WS	20.96	20.94	0.01	0.08		0.07	750.85	281.86	690.36
Hempstead Lake	5430.638	Max WS	20.86	20.84	0.02	0.04			767.01	265.76	733.80
Hempstead Lake	5380.638	Max WS	20.79	20.77	0.02	0.07		0.13	931.45	101.18	770.48
Hempstead Lake	5330.638	Max WS	20.17	18.62	1.55	0.71			924.39		11.00
Hempstead Lake	5307.48*	Max WS	18.77	18.65	0.11	0.18			969.19		368.45
Hempstead Lake	5284.32*	Max WS	18.52	18.48	0.04	0.04			968.87		396.32
Hempstead Lake	5261.17*	Max WS	18.47	18.45	0.02	0.01			968.82		423.38
Hempstead Lake	5238.01*	Max WS	18.45	18.44	0.01	0.01			968.78		447.15
Hempstead Lake	5214.85*	Max WS	18.44	18.44	0.01	0.00		0.01	968.75		467.75
Hempstead Lake	5191.70*	Max WS	18.44	18.44	0.00	0.00		0.32	968.42		478.13
Hempstead Lake	5168.54*	Max WS	18.44	18.43	0.00	0.00		0.99	967.75		484.37
Hempstead Lake	5145.39*	Max WS	18.44	18.43	0.00	0.00		1.86	966.24		488.74
Hempstead Lake	5122.23*	Max WS	18.44	18.43	0.00	0.00		2.90	965.14		492.00
Hempstead Lake	5099.07*	Max WS	18.44	18.43	0.00	0.00		4.16	963.81		494.39
Hempstead Lake	5075.922	Max WS	18.44	18.43	0.00	0.00		2.29	965.62		495.91
Hempstead Lake	5055.96*	Max WS	18.44	18.43	0.00	0.00		3.73	964.13		660.39
Hempstead Lake	5036.01*	Max WS	18.43	18.43	0.00	0.00		2.16	965.63		687.50
Hempstead Lake	5016.05*	Max WS	18.43	18.43	0.00	0.00		1.11	966.62		699.60
Hempstead Lake	4996.10*	Max WS	18.43	18.43	0.00	0.00		0.45	967.23		742.10
Hempstead Lake	4976.14*	Max WS	18.43	18.43	0.00	0.00		0.12	967.52		760.45
Hempstead Lake	4956.192	Max WS	18.43	18.43	0.00	0.00		0.00	967.59		767.20
Hempstead Lake	4936.44*	Max WS	18.43	18.43	0.00	0.00		0.12	967.44		868.73
Hempstead Lake	4916.69*	Max WS	18.43	18.43	0.00	0.00		0.42	967.05	0.05	908.37
Hempstead Lake	4896.94*	Max WS	18.43	18.43	0.00	0.00		0.93	966.23	0.33	944.22
Hempstead Lake	4877.19*	Max WS	18.43	18.43	0.00	0.00		1.58	964.97	0.91	949.11
Hempstead Lake	4857.44*	Max WS	18.43	18.43	0.00	0.00		2.49	963.21	1.76	951.33
Hempstead Lake	4837.697	Max WS	18.43	18.43	0.00	0.00		1.39	961.98	2.54	952.56
Hempstead Lake	4817.64*	Max WS	18.43	18.43	0.00	0.00		5.76	1218.50	2.80	951.75
Hempstead Lake	4797.59*	Max WS	18.43	18.43	0.00	0.00		7.52	1217.28	2.14	949.74
Hempstead Lake	4777.53*	Max WS	18.43	18.43	0.00	0.00		9.48	1215.69	1.65	941.25
Hempstead Lake	4757.48*	Max WS	18.43	18.43	0.00	0.00		11.73	1213.71	1.28	934.82
Hempstead Lake	4737.42*	Max WS	18.43	18.43	0.00	0.00		14.13	1211.52	0.97	930.00
Hempstead Lake	4717.37*	Max WS	18.43	18.43	0.00	0.00		16.73	1209.04	0.76	927.58
Hempstead Lake	4697.32*	Max WS	18.43	18.43	0.00	0.00		19.49	1206.37	0.59	924.80
Hempstead Lake	4677.26*	Max WS	18.43	18.43	0.00	0.00		22.77	1203.16	0.45	921.90
Hempstead Lake	4657.21*	Max WS	18.43	18.43	0.00	0.00		26.01	1199.98	0.34	919.02
Hempstead Lake	4637.16*	Max WS	18.43	18.43	0.00	0.00		29.23	1196.80	0.25	916.04
Hempstead Lake	4617.10*	Max WS	18.43	18.43	0.00	0.00		32.53	1193.54	0.17	912.94
Hempstead Lake	4597.05*	Max WS	18.43	18.43	0.00	0.00		35.90	1190.19	0.12	909.83

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4577.*	Max WS	18.43	18.43	0.00	0.00		39.81	1186.30	0.08	906.86
Hempstead Lake	4556.94*	Max WS	18.43	18.43	0.00	0.00		43.41	1181.31	0.05	903.77
Hempstead Lake	4536.893	Max WS	18.43	18.43	0.00	0.00		27.28	1197.35	0.01	900.70
Hempstead Lake	4516.70*	Max WS	18.43	18.43	0.00	0.00		51.69	1178.42	0.10	901.52
Hempstead Lake	4496.51*	Max WS	18.43	18.43	0.00	0.00		52.01	1177.84	0.24	901.84
Hempstead Lake	4476.32*	Max WS	18.43	18.43	0.00	0.00		51.13	1178.41	0.46	901.90
Hempstead Lake	4456.14*	Max WS	18.43	18.43	0.00	0.00		51.38	1177.77	0.74	901.44
Hempstead Lake	4435.95*	Max WS	18.43	18.43	0.00	0.00		51.69	1177.01	1.12	900.84
Hempstead Lake	4415.76*	Max WS	18.43	18.43	0.00	0.00		50.67	1177.51	1.55	899.79
Hempstead Lake	4395.57*	Max WS	18.43	18.43	0.00	0.00		50.97	1176.62	2.08	898.59
Hempstead Lake	4375.38*	Max WS	18.43	18.43	0.00	0.00		49.92	1177.03	2.67	897.15
Hempstead Lake	4355.20*	Max WS	18.43	18.43	0.00	0.00		50.21	1176.04	3.33	895.20
Hempstead Lake	4335.01*	Max WS	18.43	18.43	0.00	0.00		50.57	1174.93	4.06	893.33
Hempstead Lake	4314.82*	Max WS	18.43	18.43	0.00	0.00		49.84	1174.87	4.83	891.78
Hempstead Lake	4294.63*	Max WS	18.43	18.43	0.00	0.00		50.47	1171.81	5.68	890.24
Hempstead Lake	4274.44*	Max WS	18.43	18.43	0.00	0.00		49.73	1171.53	6.57	888.56
Hempstead Lake	4254.26*	Max WS	18.43	18.43	0.00	0.00		50.38	1169.81	7.50	886.83
Hempstead Lake	4234.07*	Max WS	18.43	18.43	0.00	0.00		51.12	1167.99	8.47	885.03
Hempstead Lake	4213.88*	Max WS	18.43	18.43	0.00	0.00		50.30	1167.69	9.48	883.25
Hempstead Lake	4193.69*	Max WS	18.43	18.43	0.00	0.00		51.04	1165.82	10.52	881.33
Hempstead Lake	4173.50*	Max WS	18.43	18.43	0.00	0.00		50.20	1165.49	11.58	879.40
Hempstead Lake	4153.320	Max WS	18.43	18.43	0.00	0.00		20.89	1193.31	12.98	877.41
Hempstead Lake	4131.85*	Max WS	18.43	18.43	0.00	0.00		45.41	1179.71	13.55	876.34
Hempstead Lake	4110.38*	Max WS	18.43	18.43	0.00	0.00		42.33	1181.94	14.33	875.42
Hempstead Lake	4088.91*	Max WS	18.43	18.43	0.00	0.00		40.35	1183.08	15.10	874.38
Hempstead Lake	4067.44*	Max WS	18.43	18.43	0.00	0.00		36.95	1185.63	15.91	873.44
Hempstead Lake	4045.97*	Max WS	18.43	18.43	0.00	0.00		33.48	1188.25	16.73	872.48
Hempstead Lake	4024.50*	Max WS	18.43	18.43	0.00	0.00		30.96	1189.92	17.56	871.65
Hempstead Lake	4003.034	Max WS	18.43	18.43	0.00	0.00		11.05	1207.06	18.64	870.89
Hempstead Lake	3984.01*	Max WS	18.43	18.43	0.00	0.00		22.01	1198.43	16.18	854.63
Hempstead Lake	3964.99*	Max WS	18.43	18.43	0.00	0.00		21.24	1201.33	13.93	838.48
Hempstead Lake	3945.97*	Max WS	18.43	18.43	0.00	0.00		19.76	1204.40	12.22	826.42
Hempstead Lake	3926.95*	Max WS	18.43	18.43	0.00	0.00		18.55	1207.22	10.50	814.20
Hempstead Lake	3907.93*	Max WS	18.43	18.43	0.00	0.00		17.23	1209.94	9.02	801.35
Hempstead Lake	3888.916	Max WS	18.43	18.43	0.00	0.00		6.57	1222.46	7.08	785.76
Hempstead Lake	3883.916	Max WS	18.43	18.43	0.00			5.10	1237.18	6.88	775.94
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	18.42	18.42	0.00	0.00		0.18	1246.67	2.33	763.25
Hempstead Lake	3858.916	Max WS	18.42	18.42	0.00	0.00		0.24	1246.71	2.21	762.59
Hempstead Lake	3826.579	Max WS	18.42	18.42	0.00	0.00		0.77	1248.17	0.17	748.49
Hempstead Lake	3821.579	Max WS	18.42	18.42	0.00			0.90	1247.34	0.00	724.03
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	18.41	18.40	0.00	0.00		13.68	1235.43		732.43
Hempstead Lake	3736.579	Max WS	18.41	18.40	0.00	0.00		8.34	1240.76		730.28
Hempstead Lake	3699.46*	Max WS	18.41	18.41	0.00	0.00		9.41	1238.56	0.02	742.07
Hempstead Lake	3662.35*	Max WS	18.41	18.40	0.00	0.00		10.10	1235.04	2.63	806.55
Hempstead Lake	3625.24*	Max WS	18.41	18.40	0.00	0.00		10.59	1227.53	9.44	878.71
Hempstead Lake	3588.13*	Max WS	18.41	18.40	0.00	0.00		11.33	1212.12	23.97	911.65
Hempstead Lake	3551.028	Max WS	18.41	18.40	0.00	0.00		10.53	1197.03	39.78	943.35
Hempstead Lake	3531.67*	Max WS	18.41	18.40	0.00	0.00		12.67	1195.75	37.73	927.20
Hempstead Lake	3512.33*	Max WS	18.41	18.40	0.00	0.00		12.08	1207.49	26.37	914.01
Hempstead Lake	3492.98*	Max WS	18.41	18.40	0.00	0.00		11.42	1218.02	16.31	900.97
Hempstead Lake	3473.63*	Max WS	18.41	18.40	0.00	0.00		10.75	1226.47	8.36	883.30
Hempstead Lake	3454.28*	Max WS	18.41	18.40	0.00	0.00		10.10	1232.14	3.19	842.18
Hempstead Lake	3434.93*	Max WS	18.41	18.40	0.00	0.00		9.29	1234.94	1.07	722.08
Hempstead Lake	3415.58*	Max WS	18.41	18.40	0.00	0.00		8.63	1235.51	1.06	665.10
Hempstead Lake	3396.239	Max WS	18.41	18.40	0.00	0.00		9.52	1234.34	1.28	651.72
Hempstead Lake	3376.88*	Max WS	18.40	18.40	0.00	0.00		8.85	1234.87	1.36	656.07
Hempstead Lake	3357.52*	Max WS	18.40	18.40	0.00	0.00		9.68	1233.69	1.69	660.99
Hempstead Lake	3338.16*	Max WS	18.40	18.40	0.00	0.00		10.65	1231.33	2.02	667.92
Hempstead Lake	3318.80*	Max WS	18.40	18.40	0.00	0.00		11.85	1229.63	2.37	673.91
Hempstead Lake	3299.44*	Max WS	18.40	18.40	0.00	0.00		13.14	1227.76	2.82	679.57
Hempstead Lake	3280.08*	Max WS	18.40	18.40	0.00	0.00		14.59	1225.66	3.34	683.53
Hempstead Lake	3260.73*	Max WS	18.40	18.40	0.00	0.00		16.24	1223.30	3.94	686.34
Hempstead Lake	3241.37*	Max WS	18.40	18.40	0.00	0.00		17.74	1221.12	4.51	689.19
Hempstead Lake	3222.01*	Max WS	18.40	18.40	0.00	0.00		19.70	1218.31	5.24	690.96
Hempstead Lake	3202.65*	Max WS	18.40	18.40	0.00	0.00		21.82	1215.32	6.03	692.90
Hempstead Lake	3183.29*	Max WS	18.40	18.40	0.00	0.00		24.18	1212.00	6.91	694.02
Hempstead Lake	3163.93*	Max WS	18.40	18.40	0.00	0.00		26.65	1208.58	7.82	695.22
Hempstead Lake	3144.581	Max WS	18.40	18.40	0.00	0.00		26.41	1208.63	7.96	695.52
Hempstead Lake	3124.73*	Max WS	18.40	18.40	0.00	0.00		26.08	1208.26	7.68	697.52
Hempstead Lake	3104.89*	Max WS	18.40	18.40	0.00	0.00		26.47	1207.71	7.64	699.49

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3085.04*	Max WS	18.40	18.40	0.00	0.00		26.75	1207.29	7.60	702.21
Hempstead Lake	3065.2*	Max WS	18.40	18.40	0.00	0.00		27.06	1206.85	7.55	706.36
Hempstead Lake	3045.35*	Max WS	18.40	18.40	0.00	0.00		26.91	1207.06	7.33	709.74
Hempstead Lake	3025.51*	Max WS	18.40	18.40	0.00	0.00		27.51	1206.37	7.26	711.41
Hempstead Lake	3005.66*	Max WS	18.40	18.40	0.00	0.00		28.10	1205.67	7.24	712.94
Hempstead Lake	2985.81*	Max WS	18.40	18.40	0.00	0.00		28.15	1205.70	7.02	714.06
Hempstead Lake	2965.974	Max WS	18.40	18.40	0.00	0.00		30.55	1202.82	7.38	714.91
Hempstead Lake	2951.87*	Max WS	18.40	18.40	0.00	0.00		33.61	1199.20	7.87	716.16
Hempstead Lake	2937.77*	Max WS	18.40	18.40	0.00	0.00		33.77	1199.15	7.68	717.88
Hempstead Lake	2923.67*	Max WS	18.40	18.40	0.00	0.00		34.10	1198.92	7.52	719.30
Hempstead Lake	2909.57*	Max WS	18.40	18.40	0.00	0.00		34.24	1198.92	7.34	720.82
Hempstead Lake	2895.47*	Max WS	18.40	18.40	0.00	0.00		33.90	1199.38	7.18	727.29
Hempstead Lake	2881.37*	Max WS	18.40	18.40	0.00	0.00		33.50	1199.94	7.00	734.03
Hempstead Lake	2867.27*	Max WS	18.40	18.40	0.00	0.00		33.11	1199.41	6.82	741.26
Hempstead Lake	2853.17*	Max WS	18.40	18.40	0.00	0.00		32.80	1199.73	6.64	748.17
Hempstead Lake	2839.07*	Max WS	18.40	18.40	0.00	0.00		32.44	1200.11	6.46	756.41
Hempstead Lake	2824.98*	Max WS	18.40	18.40	0.00	0.00		32.17	1200.40	6.29	763.57
Hempstead Lake	2810.88*	Max WS	18.40	18.40	0.00	0.00		32.09	1200.48	6.10	769.21
Hempstead Lake	2796.78*	Max WS	18.40	18.40	0.00	0.00		32.09	1200.45	5.94	774.59
Hempstead Lake	2782.68*	Max WS	18.40	18.40	0.00	0.00		32.01	1200.56	5.74	778.95
Hempstead Lake	2768.58*	Max WS	18.40	18.40	0.00	0.00		32.07	1200.49	5.57	783.57
Hempstead Lake	2754.48*	Max WS	18.40	18.40	0.00	0.00		32.02	1200.56	5.37	788.61
Hempstead Lake	2740.38*	Max WS	18.40	18.40	0.00	0.00		32.07	1200.49	5.20	793.12
Hempstead Lake	2726.28*	Max WS	18.40	18.40	0.00	0.00		32.07	1200.51	5.02	798.86
Hempstead Lake	2712.18*	Max WS	18.40	18.40	0.00	0.00		32.12	1200.44	4.84	803.66
Hempstead Lake	2698.08*	Max WS	18.40	18.40	0.00	0.00		32.05	1200.48	4.67	809.50
Hempstead Lake	2683.98*	Max WS	18.40	18.40	0.00	0.00		31.96	1200.55	4.49	816.49
Hempstead Lake	2669.88*	Max WS	18.40	18.40	0.00	0.00		31.70	1200.79	4.31	826.87
Hempstead Lake	2655.78*	Max WS	18.40	18.40	0.00	0.00		31.63	1200.88	4.09	838.09
Hempstead Lake	2641.68*	Max WS	18.40	18.40	0.00	0.00		30.94	1201.58	3.89	857.88
Hempstead Lake	2627.58*	Max WS	18.40	18.40	0.00	0.00		30.43	1202.05	3.73	876.25
Hempstead Lake	2613.48*	Max WS	18.40	18.40	0.00	0.00		30.63	1201.83	3.57	885.81
Hempstead Lake	2599.38*	Max WS	18.40	18.40	0.00	0.00		30.90	1201.49	3.42	893.08
Hempstead Lake	2585.29*	Max WS	18.40	18.40	0.00	0.00		31.49	1200.80	3.31	897.79
Hempstead Lake	2571.19*	Max WS	18.40	18.40	0.00	0.00		32.12	1200.08	3.18	898.28
Hempstead Lake	2557.091	Max WS	18.40	18.40	0.00	0.00		51.40	1179.06	4.77	897.85
Hempstead Lake	2552.091	Max WS	18.40	18.39	0.00			51.53	1175.81	7.85	899.73
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	18.38	18.38	0.00	0.00		70.92	1161.84	2.43	897.02
Hempstead Lake	2487.091	Max WS	18.38	18.38	0.00	0.00		53.38	1180.52	1.26	895.35
Hempstead Lake	2477.12*	Max WS	18.38	18.38	0.00	0.00		38.34	1195.01	1.71	900.94
Hempstead Lake	2467.14*	Max WS	18.38	18.38	0.00	0.00		42.56	1189.27	3.14	909.00
Hempstead Lake	2457.17*	Max WS	18.38	18.38	0.00	0.00		46.99	1182.71	5.17	920.71
Hempstead Lake	2447.20*	Max WS	18.38	18.38	0.00	0.00		51.64	1174.87	8.27	926.68
Hempstead Lake	2437.23*	Max WS	18.38	18.38	0.00	0.00		73.09	1145.61	15.98	931.04
Hempstead Lake	2427.26*	Max WS	18.38	18.38	0.00	0.00		78.47	1133.76	22.36	934.18
Hempstead Lake	2417.29*	Max WS	18.38	18.38	0.00	0.00		83.74	1120.93	29.82	938.40
Hempstead Lake	2407.32*	Max WS	18.38	18.38	0.00	0.00		72.07	1131.24	31.08	941.53
Hempstead Lake	2397.35*	Max WS	18.38	18.38	0.00	0.00		77.65	1116.94	39.70	944.25
Hempstead Lake	2387.37*	Max WS	18.38	18.38	0.00	0.00		82.98	1101.65	49.56	947.95
Hempstead Lake	2377.40*	Max WS	18.38	18.38	0.00	0.00		88.70	1084.73	60.64	950.16
Hempstead Lake	2367.43*	Max WS	18.38	18.38	0.00	0.00		94.84	1065.90	73.23	951.91
Hempstead Lake	2357.46*	Max WS	18.38	18.38	0.00	0.00		100.45	1046.45	86.95	954.50
Hempstead Lake	2347.49*	Max WS	18.38	18.38	0.00	0.00		106.40	1025.46	101.87	955.52
Hempstead Lake	2337.52*	Max WS	18.38	18.38	0.00	0.00		112.42	1002.93	118.24	956.27
Hempstead Lake	2327.55*	Max WS	18.38	18.38	0.00	0.00		118.03	979.67	135.76	976.41
Hempstead Lake	2317.58*	Max WS	18.38	18.38	0.00	0.00		123.76	954.99	154.57	992.07
Hempstead Lake	2307.60*	Max WS	18.38	18.38	0.00	0.00		129.50	929.07	174.62	1007.33
Hempstead Lake	2297.63*	Max WS	18.38	18.38	0.00	0.00		135.69	907.24	190.12	1038.96
Hempstead Lake	2287.66*	Max WS	18.38	18.38	0.00	0.00		142.01	885.48	205.41	1074.97
Hempstead Lake	2277.69*	Max WS	18.38	18.38	0.00	0.00		147.30	858.08	227.38	1093.04
Hempstead Lake	2267.72*	Max WS	18.38	18.38	0.00	0.00		152.53	829.79	250.29	1110.74
Hempstead Lake	2257.752	Max WS	18.38	18.38	0.00	0.00		204.79	710.15	317.52	1126.02
Hempstead Lake	2252.75*	Max WS	18.38	18.38	0.00	0.00		210.86	718.63	302.89	1111.55
Hempstead Lake	2247.752	Max WS	18.38	18.38	0.00			257.34	631.47	343.47	1097.37
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	18.38	18.37	0.00	0.00		168.18	679.07	385.04	896.27
Hempstead Lake	2192.75*	Max WS	18.38	18.38	0.00	0.00		223.51	696.39	312.30	892.96
Hempstead Lake	2187.752	Max WS	18.38	18.38	0.00	0.00		278.98	690.66	262.48	889.70
Hempstead Lake	2178.63*	Max WS	18.38	18.38	0.00	0.00		271.78	702.40	257.87	886.66
Hempstead Lake	2169.52*	Max WS	18.38	18.37	0.00	0.00		264.47	714.27	253.24	883.88
Hempstead Lake	2160.40*	Max WS	18.38	18.37	0.00	0.00		257.12	726.40	248.39	881.07

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

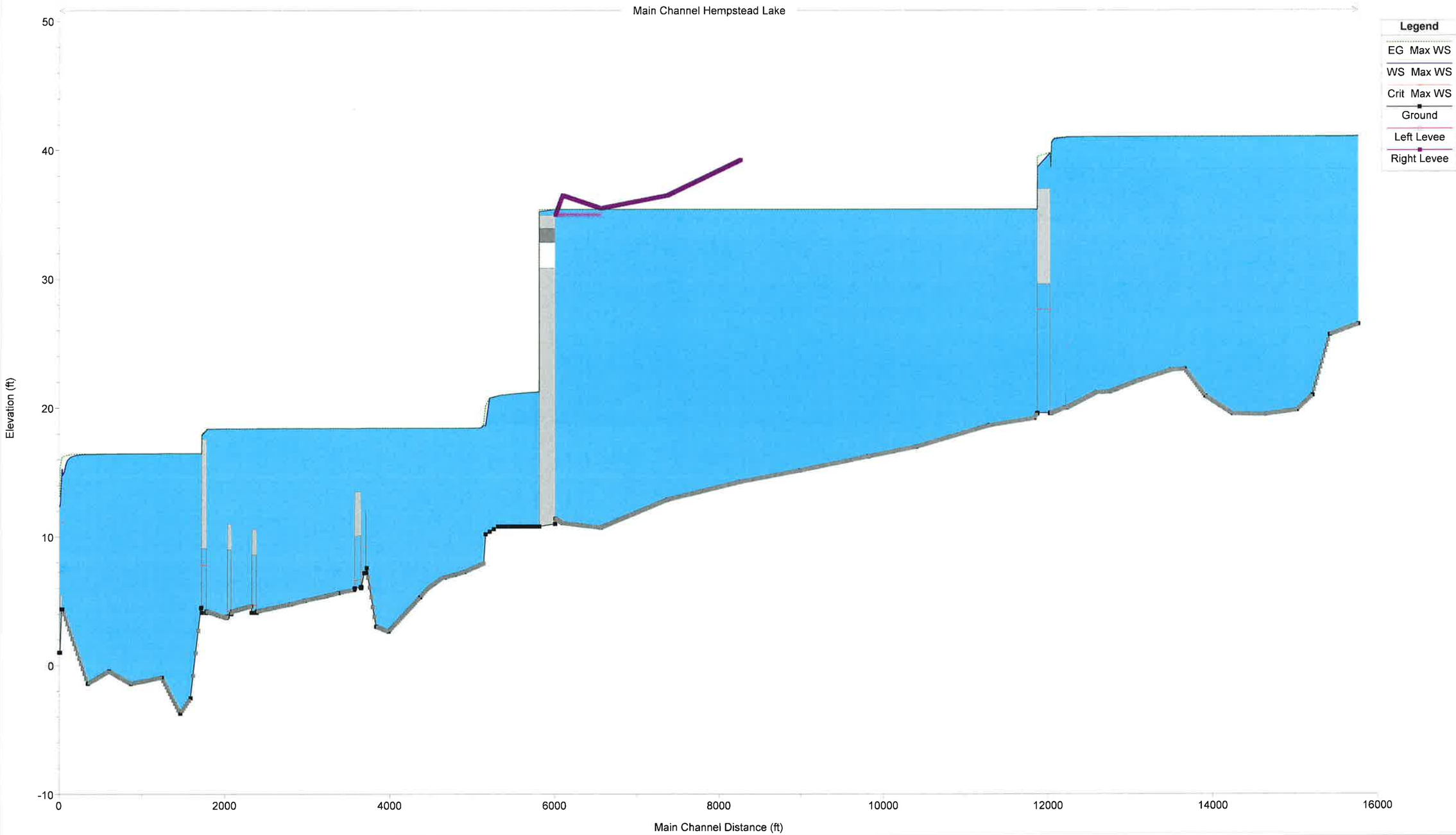
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2151.29*	Max WS	18.38	18.37	0.00	0.00		249.78	738.75	243.33	878.17
Hempstead Lake	2142.17*	Max WS	18.38	18.37	0.00	0.00		242.15	751.74	237.91	875.41
Hempstead Lake	2133.05*	Max WS	18.38	18.37	0.00	0.00		234.36	764.77	232.61	872.46
Hempstead Lake	2123.94*	Max WS	18.38	18.37	0.00	0.00		226.57	778.10	227.02	869.67
Hempstead Lake	2114.82*	Max WS	18.38	18.37	0.00	0.00		218.48	791.78	221.37	866.93
Hempstead Lake	2105.71*	Max WS	18.38	18.37	0.00	0.00		210.39	805.84	215.35	864.37
Hempstead Lake	2096.59*	Max WS	18.38	18.37	0.00	0.00		202.22	820.07	209.23	861.90
Hempstead Lake	2087.48*	Max WS	18.38	18.37	0.01	0.00		193.85	834.96	202.67	859.42
Hempstead Lake	2078.36*	Max WS	18.38	18.37	0.01	0.00		185.60	849.83	196.01	856.59
Hempstead Lake	2069.25*	Max WS	18.37	18.37	0.01	0.00		176.93	865.41	189.06	854.80
Hempstead Lake	2060.13*	Max WS	18.37	18.37	0.01	0.00		168.91	885.05	177.40	874.52
Hempstead Lake	2051.01*	Max WS	18.37	18.37	0.01	0.00		160.12	902.18	169.03	882.01
Hempstead Lake	2041.90*	Max WS	18.37	18.37	0.01	0.00		151.23	919.45	160.62	891.70
Hempstead Lake	2032.78*	Max WS	18.37	18.36	0.01	0.00		142.60	939.68	148.98	924.31
Hempstead Lake	2023.67*	Max WS	18.37	18.36	0.01	0.00		133.12	956.12	141.99	935.24
Hempstead Lake	2014.55*	Max WS	18.37	18.36	0.01	0.00		123.41	970.91	136.89	936.02
Hempstead Lake	2005.44*	Max WS	18.37	18.36	0.01	0.00		113.26	985.74	132.20	936.80
Hempstead Lake	1996.32*	Max WS	18.37	18.36	0.01	0.00		103.30	1000.30	127.58	936.91
Hempstead Lake	1987.20*	Max WS	18.37	18.36	0.01	0.00		93.45	1014.74	122.97	935.95
Hempstead Lake	1978.09*	Max WS	18.37	18.35	0.01	0.00		84.04	1028.81	118.30	932.99
Hempstead Lake	1968.97*	Max WS	18.37	18.35	0.01	0.00		74.50	1042.52	114.11	929.77
Hempstead Lake	1959.86*	Max WS	18.37	18.35	0.02	0.00		64.72	1056.71	109.68	927.90
Hempstead Lake	1950.747	Max WS	18.36	18.35	0.02	0.00		55.23	1070.53	105.33	924.33
Hempstead Lake	1945.747	Max WS	18.27	18.26	0.01			72.28	725.22	433.59	967.74
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	16.43	16.43	0.00	0.00			372.26	750.13	854.31
Hempstead Lake	1880.747	Max WS	16.47	16.47	0.00	0.00		0.16	927.81	217.77	894.63
Hempstead Lake	1848.83*	Max WS	16.47	16.47	0.00	0.00		3.96	1077.94	63.77	1022.25
Hempstead Lake	1816.92*	Max WS	16.47	16.47	0.00	0.00		9.27	1110.36	25.96	1078.87
Hempstead Lake	1785.01*	Max WS	16.47	16.47	0.00	0.00		15.27	1113.64	16.59	1097.69
Hempstead Lake	1753.104	Max WS	16.47	16.47	0.00	0.00		8.71	1132.29	4.41	1215.12
Hempstead Lake	1732.65*	Max WS	16.47	16.47	0.00	0.00		23.64	1102.66	19.03	1250.27
Hempstead Lake	1712.21*	Max WS	16.47	16.47	0.00	0.00		24.74	1093.20	27.31	1295.82
Hempstead Lake	1691.76*	Max WS	16.47	16.47	0.00	0.00		26.04	1081.46	37.67	1333.66
Hempstead Lake	1671.32*	Max WS	16.47	16.47	0.00	0.00		27.42	1067.55	50.11	1367.66
Hempstead Lake	1650.87*	Max WS	16.47	16.47	0.00	0.00		28.76	1051.65	64.59	1401.25
Hempstead Lake	1630.434	Max WS	16.47	16.47	0.00	0.00		14.31	1067.78	62.81	1430.96
Hempstead Lake	1610.36*	Max WS	16.47	16.47	0.00	0.00		29.84	1039.45	75.52	1418.56
Hempstead Lake	1590.30*	Max WS	16.47	16.47	0.00	0.00		25.41	1049.12	70.18	1404.64
Hempstead Lake	1570.23*	Max WS	16.47	16.47	0.00	0.00		21.23	1058.48	64.90	1388.89
Hempstead Lake	1550.17*	Max WS	16.47	16.47	0.00	0.00		16.80	1067.99	59.74	1370.96
Hempstead Lake	1530.10*	Max WS	16.47	16.47	0.00	0.00		13.26	1076.49	54.68	1350.36
Hempstead Lake	1510.03*	Max WS	16.47	16.47	0.00	0.00		9.87	1085.79	48.69	1331.42
Hempstead Lake	1489.97*	Max WS	16.47	16.47	0.00	0.00		7.08	1093.46	43.72	1310.77
Hempstead Lake	1469.90*	Max WS	16.47	16.47	0.00	0.00		4.71	1100.61	38.85	1287.21
Hempstead Lake	1449.83*	Max WS	16.47	16.47	0.00	0.00		2.80	1107.13	34.14	1257.80
Hempstead Lake	1429.77*	Max WS	16.47	16.47	0.00	0.00		1.34	1113.02	29.63	1203.84
Hempstead Lake	1409.707	Max WS	16.47	16.47	0.00	0.00		0.32	1108.33	35.25	1166.99
Hempstead Lake	1389.03*	Max WS	16.46	16.45	0.01	0.00		3.62	10126.97	223.06	1159.68
Hempstead Lake	1368.35*	Max WS	16.46	16.44	0.01	0.00		4.13	10123.60	225.89	1157.63
Hempstead Lake	1347.67*	Max WS	16.46	16.44	0.01	0.00		4.02	10120.95	228.63	1185.98
Hempstead Lake	1326.99*	Max WS	16.46	16.44	0.01	0.00		5.48	10116.61	231.48	1194.89
Hempstead Lake	1306.32*	Max WS	16.46	16.44	0.01	0.00		7.77	10103.12	242.65	1195.58
Hempstead Lake	1285.64*	Max WS	16.46	16.44	0.01	0.00		10.31	10096.55	246.64	1191.30
Hempstead Lake	1264.96*	Max WS	16.46	16.44	0.01	0.00		13.13	10089.28	251.07	1184.43
Hempstead Lake	1244.28*	Max WS	16.46	16.44	0.01	0.00		16.28	10081.28	255.90	1176.22
Hempstead Lake	1223.61*	Max WS	16.46	16.44	0.01	0.00		19.66	10072.23	261.54	1166.15
Hempstead Lake	1202.93*	Max WS	16.46	16.44	0.01	0.00		23.32	10062.13	267.95	1154.89
Hempstead Lake	1182.25*	Max WS	16.46	16.44	0.01	0.00		27.09	10051.13	275.15	1142.58
Hempstead Lake	1161.57*	Max WS	16.46	16.44	0.01	0.00		31.11	10038.57	283.67	1128.49
Hempstead Lake	1140.90*	Max WS	16.46	16.44	0.01	0.00		35.26	10028.30	289.76	1121.22
Hempstead Lake	1120.22*	Max WS	16.46	16.44	0.01	0.00		40.85	10006.97	305.49	1114.34
Hempstead Lake	1099.54*	Max WS	16.46	16.44	0.01	0.00		45.37	9995.86	312.05	1107.25
Hempstead Lake	1078.87*	Max WS	16.46	16.44	0.01	0.00		50.01	9984.22	319.02	1100.30
Hempstead Lake	1058.19*	Max WS	16.46	16.44	0.01	0.00		54.83	9972.69	325.71	1093.50
Hempstead Lake	1037.515	Max WS	16.45	16.44	0.01	0.00		54.83	9693.91	604.46	1086.66
Hempstead Lake	1017.08*	Max WS	16.45	16.44	0.01	0.00		161.73	9913.84	357.08	1079.16
Hempstead Lake	996.645*	Max WS	16.45	16.44	0.01	0.00		198.99	9827.99	405.64	1071.78
Hempstead Lake	976.210*	Max WS	16.45	16.44	0.01	0.00		241.65	9746.49	444.45	1064.25
Hempstead Lake	955.775*	Max WS	16.45	16.44	0.01	0.00		289.17	9649.01	494.38	1056.73
Hempstead Lake	935.340*	Max WS	16.45	16.44	0.01	0.00		335.17	9562.20	535.17	1049.41
Hempstead Lake	914.905*	Max WS	16.45	16.44	0.01	0.00		391.99	9453.39	587.13	1043.72

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	894.471*	Max WS	16.45	16.44	0.01	0.00		459.46	9344.93	628.11	1037.41
Hempstead Lake	874.036*	Max WS	16.45	16.44	0.01	0.00		529.13	9222.99	680.35	1030.38
Hempstead Lake	853.601*	Max WS	16.45	16.44	0.01	0.00		596.31	9113.16	722.98	1023.41
Hempstead Lake	833.166*	Max WS	16.45	16.44	0.01	0.00		678.56	8977.88	775.99	1016.55
Hempstead Lake	812.731*	Max WS	16.45	16.44	0.01	0.00		777.71	8838.93	815.77	1010.62
Hempstead Lake	792.296*	Max WS	16.45	16.43	0.01	0.00		874.58	8694.02	863.80	1011.72
Hempstead Lake	771.862	Max WS	16.45	16.43	0.01	0.00		413.98	9166.03	852.36	1026.16
Hempstead Lake	750.331*	Max WS	16.45	16.43	0.01	0.00		838.13	8819.51	806.71	1022.24
Hempstead Lake	728.8*	Max WS	16.44	16.43	0.02	0.00		699.48	9035.35	729.50	1013.79
Hempstead Lake	707.269*	Max WS	16.44	16.43	0.02	0.00		577.87	9245.08	641.34	1002.62
Hempstead Lake	685.738*	Max WS	16.44	16.42	0.02	0.00		462.24	9453.97	548.07	1005.37
Hempstead Lake	664.207*	Max WS	16.44	16.42	0.02	0.00		355.96	9649.94	458.35	1006.61
Hempstead Lake	642.676*	Max WS	16.44	16.42	0.02	0.00		257.35	9825.53	381.35	1006.13
Hempstead Lake	621.145*	Max WS	16.44	16.42	0.02	0.00		175.31	9985.33	303.55	1002.45
Hempstead Lake	599.614*	Max WS	16.44	16.42	0.02	0.00		107.87	10121.89	234.41	993.10
Hempstead Lake	578.083*	Max WS	16.44	16.41	0.02	0.00		55.65	10232.90	175.59	972.95
Hempstead Lake	556.552*	Max WS	16.44	16.41	0.03	0.00		20.34	10312.20	131.58	925.79
Hempstead Lake	535.021*	Max WS	16.44	16.41	0.03	0.00		2.64	10365.50	95.96	764.01
Hempstead Lake	513.490	Max WS	16.44	16.41	0.03	0.00		0.20	10285.54	178.33	674.51
Hempstead Lake	493.038*	Max WS	16.43	16.40	0.03	0.00		0.21	10400.64	96.78	657.07
Hempstead Lake	472.587*	Max WS	16.43	16.40	0.04	0.00		0.16	10405.99	91.46	639.54
Hempstead Lake	452.136*	Max WS	16.43	16.39	0.04	0.00		0.11	10412.30	85.19	621.82
Hempstead Lake	431.685*	Max WS	16.43	16.38	0.05	0.00		0.07	10419.65	77.88	604.03
Hempstead Lake	411.234*	Max WS	16.43	16.37	0.06	0.00		0.03	10428.89	68.65	586.04
Hempstead Lake	390.783*	Max WS	16.42	16.35	0.07	0.00		0.01	10438.15	59.40	567.72
Hempstead Lake	370.332*	Max WS	16.42	16.33	0.09	0.01		0.00	10448.17	49.37	549.01
Hempstead Lake	349.881*	Max WS	16.41	16.30	0.11	0.01			10458.82	38.71	530.97
Hempstead Lake	329.430*	Max WS	16.40	16.26	0.14	0.01			10469.57	27.94	513.03
Hempstead Lake	308.979*	Max WS	16.39	16.20	0.19	0.02			10480.25	17.24	494.73
Hempstead Lake	288.528*	Max WS	16.37	16.12	0.26	0.03			10489.77	7.71	475.88
Hempstead Lake	268.077*	Max WS	16.35	15.97	0.38	0.04			10496.32	1.14	454.24
Hempstead Lake	247.626*	Max WS	16.32	15.67	0.65	0.06			10497.44		417.81
Hempstead Lake	227.175*	Max WS	16.28	15.09	1.19	0.06			10497.43		154.27
Hempstead Lake	206.724	Max WS	16.22	14.78	1.44	0.01			10497.42		143.52
Hempstead Lake	201.724	Max WS	16.20	15.27	0.93				10497.42		162.21
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	13.17	12.39	0.78	0.00		3321.06	7176.36		148.17
Hempstead Lake	166.724	Max WS	13.16	12.38	0.78			3320.83	7176.59		148.16

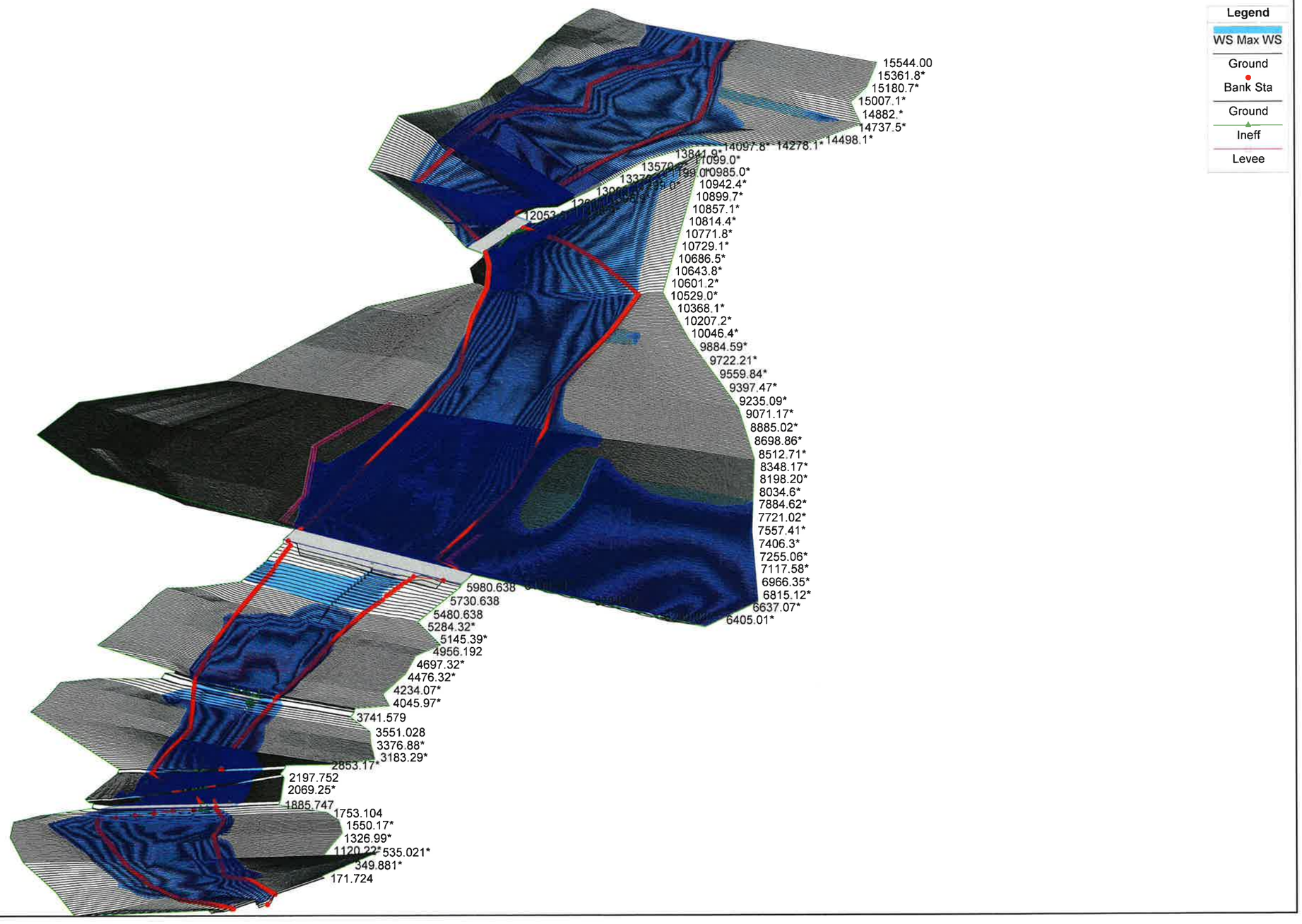
Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

90% of 1/2PMF - Proposed



Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

90% of 1/2PMF - Proposed



80% Proposed Half PMF Overtop Breach 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	6288.49	26.48	40.18		40.20	0.000025	1.23	5921.02	694.75	0.06
Hempstead Lake	15523.7*	Max WS	6277.16	26.43	40.18		40.20	0.000126	1.16	5946.43	685.27	0.06
Hempstead Lake	15503.5*	Max WS	6277.15	26.38	40.18		40.19	0.000117	1.16	5969.41	677.91	0.06
Hempstead Lake	15483.3*	Max WS	6277.13	26.34	40.17		40.19	0.000107	1.16	5989.41	678.36	0.06
Hempstead Lake	15463.0*	Max WS	6265.95	26.29	40.17		40.19	0.000097	1.16	6005.86	680.36	0.06
Hempstead Lake	15442.8*	Max WS	6265.94	26.24	40.17		40.19	0.000091	1.16	6019.73	682.20	0.06
Hempstead Lake	15422.5*	Max WS	6265.92	26.19	40.17		40.19	0.000082	1.16	6031.01	683.72	0.06
Hempstead Lake	15402.3*	Max WS	6265.88	26.15	40.17		40.18	0.000074	1.16	6037.56	684.99	0.06
Hempstead Lake	15382.1*	Max WS	6254.88	26.10	40.17		40.18	0.000069	1.16	6042.23	685.92	0.06
Hempstead Lake	15361.8*	Max WS	6254.87	26.05	40.16		40.18	0.000062	1.16	6043.04	686.52	0.06
Hempstead Lake	15341.6*	Max WS	6254.85	26.00	40.16		40.18	0.000058	1.16	6041.39	686.69	0.06
Hempstead Lake	15321.4*	Max WS	6254.82	25.96	40.16		40.18	0.000051	1.16	6037.01	686.31	0.06
Hempstead Lake	15301.1*	Max WS	6254.78	25.91	40.16		40.18	0.000045	1.16	6029.90	685.46	0.06
Hempstead Lake	15280.9*	Max WS	6254.75	25.86	40.16		40.18	0.000041	1.16	6021.09	683.99	0.06
Hempstead Lake	15260.7*	Max WS	6254.71	25.81	40.16		40.18	0.000036	1.16	6010.27	681.62	0.06
Hempstead Lake	15240.4*	Max WS	6254.66	25.77	40.16		40.18	0.000031	1.16	5998.03	677.95	0.06
Hempstead Lake	15220.2*	Max WS	6254.60	25.72	40.16		40.18	0.000028	1.16	5984.12	675.33	0.06
Hempstead Lake	15200.02	Max WS	6254.54	25.67	40.16		40.18	0.000023	1.16	5969.10	677.17	0.06
Hempstead Lake	15180.7*	Max WS	6244.04	25.24	40.16		40.18	0.000025	1.10	6321.40	702.51	0.06
Hempstead Lake	15161.4*	Max WS	6254.44	24.82	40.16		40.18	0.000027	1.05	6698.53	734.91	0.05
Hempstead Lake	15142.1*	Max WS	6254.41	24.39	40.16		40.18	0.000028	0.99	7101.62	764.60	0.05
Hempstead Lake	15122.8*	Max WS	6254.38	23.96	40.16		40.18	0.000029	0.94	7525.95	792.27	0.05
Hempstead Lake	15103.5*	Max WS	6254.36	23.53	40.16		40.17	0.000029	0.88	7971.70	817.71	0.04
Hempstead Lake	15084.2*	Max WS	6254.35	23.11	40.17		40.17	0.000029	0.83	8436.86	839.81	0.04
Hempstead Lake	15064.9*	Max WS	6264.58	22.68	40.17		40.17	0.000029	0.78	8918.73	861.57	0.04
Hempstead Lake	15045.6*	Max WS	6264.51	22.25	40.17		40.17	0.000028	0.74	9417.24	882.86	0.03
Hempstead Lake	15026.4*	Max WS	6264.44	21.82	40.17		40.17	0.000027	0.70	9932.69	903.85	0.03
Hempstead Lake	15007.1*	Max WS	6254.33	21.40	40.17		40.17	0.000026	0.66	10462.62	924.67	0.03
Hempstead Lake	14987.82	Max WS	6264.33	20.97	40.17		40.17	0.000004	0.64	11009.50	945.31	0.03
Hempstead Lake	14966.6*	Max WS	6302.90	20.84	40.17		40.17	0.000025	0.62	11298.41	963.17	0.03
Hempstead Lake	14945.4*	Max WS	6302.83	20.72	40.17		40.17	0.000023	0.60	11593.10	980.63	0.03
Hempstead Lake	14924.3*	Max WS	6292.99	20.59	40.17		40.17	0.000021	0.58	11898.68	997.72	0.03
Hempstead Lake	14903.1*	Max WS	6302.69	20.46	40.17		40.17	0.000020	0.56	12211.76	1014.34	0.02
Hempstead Lake	14882.*	Max WS	6302.62	20.34	40.17		40.17	0.000019	0.55	12535.13	1030.02	0.02
Hempstead Lake	14860.8*	Max WS	6302.55	20.21	40.17		40.17	0.000017	0.53	12867.56	1046.81	0.02
Hempstead Lake	14839.6*	Max WS	6292.99	20.08	40.17		40.17	0.000016	0.51	13208.60	1062.32	0.02
Hempstead Lake	14818.5*	Max WS	6302.38	19.96	40.17		40.17	0.000015	0.50	13559.12	1076.13	0.02
Hempstead Lake	14797.35	Max WS	6302.30	19.83	40.17		40.17	0.000002	0.50	14001.06	1245.13	0.02
Hempstead Lake	14777.4*	Max WS	6293.00	19.81	40.17		40.17	0.000012	0.47	14218.90	1209.08	0.02
Hempstead Lake	14757.4*	Max WS	6302.14	19.80	40.17		40.17	0.000011	0.46	14467.93	1122.32	0.02
Hempstead Lake	14737.5*	Max WS	6293.00	19.78	40.17		40.17	0.000010	0.46	14743.65	1135.10	0.02
Hempstead Lake	14717.5*	Max WS	6292.99	19.76	40.17		40.17	0.000009	0.45	15023.62	1149.25	0.02
Hempstead Lake	14697.6*	Max WS	6301.91	19.74	40.17		40.17	0.000008	0.44	15305.37	1162.94	0.02
Hempstead Lake	14677.6*	Max WS	6301.84	19.73	40.17		40.17	0.000007	0.43	15588.68	1176.48	0.02
Hempstead Lake	14657.7*	Max WS	6301.76	19.71	40.17		40.17	0.000006	0.42	15875.94	1190.22	0.02
Hempstead Lake	14637.7*	Max WS	6301.68	19.69	40.17		40.17	0.000006	0.42	16164.59	1206.00	0.02
Hempstead Lake	14617.8*	Max WS	6301.60	19.67	40.17		40.17	0.000005	0.41	16456.74	1223.34	0.02
Hempstead Lake	14597.8*	Max WS	6293.01	19.65	40.17		40.17	0.000004	0.40	16753.76	1241.39	0.02
Hempstead Lake	14577.9*	Max WS	6293.00	19.64	40.17		40.17	0.000004	0.40	17053.41	1260.95	0.02
Hempstead Lake	14557.9*	Max WS	6301.37	19.62	40.17		40.17	0.000003	0.39	17362.38	1285.71	0.02
Hempstead Lake	14538.0*	Max WS	6301.28	19.60	40.17		40.17	0.000003	0.38	17677.45	1312.36	0.02
Hempstead Lake	14518.0*	Max WS	6301.20	19.58	40.17		40.17	0.000003	0.38	18005.36	1345.80	0.02
Hempstead Lake	14498.1*	Max WS	6301.11	19.57	40.17		40.17	0.000002	0.37	18359.63	1498.41	0.02
Hempstead Lake	14478.1*	Max WS	6301.03	19.55	40.17		40.17	0.000002	0.36	18762.57	1597.51	0.02
Hempstead Lake	14458.2*	Max WS	6300.94	19.53	40.17		40.17	0.000002	0.36	19191.04	1640.73	0.01
Hempstead Lake	14438.2*	Max WS	6300.84	19.51	40.17		40.17	0.000001	0.35	19642.52	1718.73	0.01
Hempstead Lake	14418.3*	Max WS	6300.76	19.50	40.17		40.17	0.000001	0.35	20109.04	1737.44	0.01
Hempstead Lake	14398.37	Max WS	6300.68	19.48	40.17		40.17	0.000001	0.34	20583.15	1754.38	0.01
Hempstead Lake	14378.3*	Max WS	6300.59	19.48	40.17		40.17	0.000001	0.35	20363.76	1732.79	0.01
Hempstead Lake	14358.3*	Max WS	6300.50	19.49	40.17		40.17	0.000001	0.36	20139.00	1711.41	0.01
Hempstead Lake	14338.2*	Max WS	6300.42	19.49	40.17		40.17	0.000001	0.36	19918.91	1690.30	0.02
Hempstead Lake	14318.2*	Max WS	6300.34	19.49	40.17		40.17	0.000001	0.37	19695.42	1669.80	0.02
Hempstead Lake	14298.2*	Max WS	6300.26	19.49	40.17		40.17	0.000001	0.37	19471.21	1649.62	0.02
Hempstead Lake	14278.1*	Max WS	6300.18	19.50	40.17		40.17	0.000001	0.38	19248.28	1629.95	0.02
Hempstead Lake	14258.1*	Max WS	6300.11	19.50	40.17		40.17	0.000001	0.39	19025.35	1610.75	0.02
Hempstead Lake	14238.1*	Max WS	6300.04	19.50	40.17		40.17	0.000001	0.39	18802.86	1592.43	0.02
Hempstead Lake	14218.0*	Max WS	6299.96	19.50	40.17		40.17	0.000001	0.40	18580.08	1574.98	0.02
Hempstead Lake	14198.0*	Max WS	6299.90	19.51	40.17		40.17	0.000001	0.41	18360.91	1558.58	0.02
Hempstead Lake	14178.0*	Max WS	6299.84	19.51	40.17		40.17	0.000002	0.42	18143.94	1543.53	0.02
Hempstead Lake	14157.9*	Max WS	6299.77	19.51	40.17		40.17	0.000002	0.42	17931.39	1530.27	0.02
Hempstead Lake	14137.9*	Max WS	6299.70	19.51	40.17		40.17	0.000002	0.43	17725.51	1517.46	0.02
Hempstead Lake	14117.9*	Max WS	6299.63	19.52	40.17		40.17	0.000002	0.44	17529.84	1540.77	0.02
Hempstead Lake	14097.8*	Max WS	6299.57	19.52	40.17		40.17	0.000002	0.45	17366.63	1570.58	0.02
Hempstead Lake	14077.8*	Max WS	6299.51	19.52	40.17		40.17	0.000002	0.45	17219.45	1575.40	0.02
Hempstead Lake	14057.8*	Max WS	6299.46	19.52	40.17		40.17	0.000002	0.46	17079.93	1571.83	0.02
Hempstead Lake	14037.7*	Max WS	6299.40	19.53	40.17		40.17	0.000002	0.47	16946.31	1559.21	0.02
Hempstead Lake	14017.75	Max WS	6299.36	19.53	40.17		40.17	0.000002	0.48	16808.22	1544.09	0.02
Hempstead Lake	13998.2*	Max WS	6299.32	19.61	40.17		40.17	0.000004	0.46	16827.41	1537.92	0.02
Hempstead Lake	13978.6*	Max WS	6299.27	19.69	40.17		40.17	0.000004	0.45	16860.24	1531.58	0.02
Hempstead Lake	13959.1*	Max WS	6299.23	19.77	40.17		40.17	0.000004	0.44	16904.12	1521.64	0.02
Hempstead Lake	13939.6*	Max WS	6299.20	19.85	40.17		40.17	0.000004	0.43	16962.55	1511.43	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	6299.15	19.94	40.17		40.17	0.000004	0.43	17035.49	1502.18	0.02
Hempstead Lake	13900.5*	Max WS	6299.12	20.02	40.17		40.17	0.000004	0.42	17119.93	1492.38	0.02
Hempstead Lake	13881.*	Max WS	6299.09	20.10	40.17		40.17	0.000004	0.41	17220.70	1478.19	0.02
Hempstead Lake	13861.4*	Max WS	6299.06	20.18	40.17		40.17	0.000004	0.41	17336.80	1466.60	0.02
Hempstead Lake	13841.9*	Max WS	6299.04	20.26	40.17		40.17	0.000004	0.40	17463.94	1457.31	0.02
Hempstead Lake	13822.3*	Max WS	6299.01	20.34	40.17		40.17	0.000004	0.40	17599.70	1449.34	0.02
Hempstead Lake	13802.8*	Max WS	6298.99	20.42	40.17		40.17	0.000004	0.39	17746.21	1443.49	0.02
Hempstead Lake	13783.3*	Max WS	6298.97	20.50	40.17		40.17	0.000004	0.38	17898.70	1438.24	0.02
Hempstead Lake	13763.7*	Max WS	6298.95	20.59	40.17		40.17	0.000004	0.38	18059.04	1434.08	0.02
Hempstead Lake	13744.2*	Max WS	6298.93	20.67	40.17		40.17	0.000004	0.37	18224.42	1430.92	0.02
Hempstead Lake	13724.7*	Max WS	6303.02	20.75	40.17		40.17	0.000003	0.37	18396.75	1428.85	0.02
Hempstead Lake	13705.1*	Max WS	6302.92	20.83	40.17		40.17	0.000003	0.36	18570.65	1427.14	0.02
Hempstead Lake	13685.63	Max WS	6298.90	20.91	40.17		40.17	0.000002	0.36	18750.31	1426.39	0.02
Hempstead Lake	13666.4*	Max WS	6298.88	21.07	40.17		40.17	0.000003	0.36	18836.28	1442.67	0.02
Hempstead Lake	13647.1*	Max WS	6298.87	21.23	40.17		40.17	0.000003	0.36	18922.09	1462.22	0.02
Hempstead Lake	13627.9*	Max WS	6302.55	21.39	40.17		40.17	0.000003	0.36	19006.11	1464.53	0.02
Hempstead Lake	13608.7*	Max WS	6298.85	21.56	40.17		40.17	0.000002	0.36	19080.55	1461.55	0.02
Hempstead Lake	13589.5*	Max WS	6302.35	21.72	40.17		40.17	0.000002	0.36	19148.14	1458.66	0.02
Hempstead Lake	13570.2*	Max WS	6302.26	21.88	40.17		40.17	0.000002	0.36	19206.28	1455.56	0.02
Hempstead Lake	13551.0*	Max WS	6302.18	22.04	40.17		40.17	0.000002	0.35	19256.94	1452.12	0.02
Hempstead Lake	13531.8*	Max WS	6302.09	22.20	40.17		40.17	0.000002	0.36	19296.87	1449.05	0.02
Hempstead Lake	13512.6*	Max WS	6302.00	22.36	40.17		40.17	0.000002	0.36	19329.21	1446.29	0.02
Hempstead Lake	13493.3*	Max WS	6301.91	22.53	40.17		40.17	0.000002	0.36	19352.62	1443.79	0.02
Hempstead Lake	13474.1*	Max WS	6301.83	22.69	40.17		40.17	0.000002	0.36	19366.32	1441.58	0.02
Hempstead Lake	13454.9*	Max WS	6301.75	22.85	40.17		40.17	0.000002	0.36	19370.39	1439.67	0.02
Hempstead Lake	13435.72	Max WS	6301.68	23.01	40.17		40.17	0.000001	0.35	19366.60	1438.04	0.02
Hempstead Lake	13419.3*	Max WS	6301.61	23.00	40.17		40.17	0.000002	0.36	19340.58	1442.17	0.02
Hempstead Lake	13403.0*	Max WS	6298.89	23.00	40.17		40.17	0.000002	0.36	19320.77	1446.26	0.02
Hempstead Lake	13386.6*	Max WS	6301.49	22.99	40.17		40.17	0.000002	0.36	19305.50	1450.37	0.02
Hempstead Lake	13370.3*	Max WS	6301.43	22.98	40.17		40.17	0.000002	0.36	19296.11	1454.41	0.02
Hempstead Lake	13354.*	Max WS	6301.37	22.98	40.17		40.17	0.000002	0.36	19290.67	1458.41	0.02
Hempstead Lake	13337.6*	Max WS	6301.31	22.97	40.17		40.17	0.000002	0.35	19291.66	1462.42	0.02
Hempstead Lake	13321.3*	Max WS	6301.25	22.96	40.17		40.17	0.000002	0.35	19297.87	1466.35	0.02
Hempstead Lake	13304.9*	Max WS	6301.19	22.95	40.17		40.17	0.000002	0.35	19308.37	1470.27	0.02
Hempstead Lake	13288.6*	Max WS	6301.14	22.95	40.17		40.17	0.000003	0.35	19323.85	1474.17	0.02
Hempstead Lake	13272.29	Max WS	6301.08	22.94	40.17		40.17	0.000002	0.35	19345.62	1478.03	0.02
Hempstead Lake	13255.0*	Max WS	6301.01	22.90	40.17		40.17	0.000002	0.35	19309.61	1479.26	0.02
Hempstead Lake	13237.8*	Max WS	6300.95	22.87	40.17		40.17	0.000002	0.35	19277.39	1480.39	0.02
Hempstead Lake	13220.5*	Max WS	6300.90	22.83	40.17		40.17	0.000002	0.35	19250.26	1481.40	0.02
Hempstead Lake	13203.3*	Max WS	6300.85	22.80	40.17		40.17	0.000002	0.36	19225.83	1482.27	0.02
Hempstead Lake	13186.0*	Max WS	6300.79	22.76	40.17		40.17	0.000002	0.36	19205.85	1483.01	0.02
Hempstead Lake	13168.8*	Max WS	6300.74	22.72	40.17		40.17	0.000002	0.36	19190.07	1483.61	0.02
Hempstead Lake	13151.6*	Max WS	6300.68	22.69	40.17		40.17	0.000002	0.36	19177.30	1484.13	0.02
Hempstead Lake	13134.3*	Max WS	6300.63	22.65	40.17		40.17	0.000002	0.36	19169.15	1484.53	0.02
Hempstead Lake	13117.1*	Max WS	6300.57	22.62	40.17		40.17	0.000003	0.36	19165.55	1484.77	0.02
Hempstead Lake	13099.8*	Max WS	6300.52	22.58	40.17		40.17	0.000002	0.36	19166.22	1484.81	0.02
Hempstead Lake	13082.6*	Max WS	6300.48	22.55	40.17		40.17	0.000003	0.36	19169.82	1484.72	0.02
Hempstead Lake	13065.3*	Max WS	6300.44	22.51	40.17		40.17	0.000003	0.36	19179.48	1484.44	0.02
Hempstead Lake	13048.1*	Max WS	6300.39	22.47	40.17		40.17	0.000003	0.35	19192.88	1483.85	0.02
Hempstead Lake	13030.9*	Max WS	6300.34	22.44	40.17		40.17	0.000003	0.35	19209.69	1482.80	0.02
Hempstead Lake	13013.6*	Max WS	6300.29	22.40	40.16		40.17	0.000003	0.35	19231.46	1481.55	0.02
Hempstead Lake	12996.4*	Max WS	6300.25	22.37	40.16		40.17	0.000003	0.35	19258.90	1480.00	0.02
Hempstead Lake	12979.1*	Max WS	6300.20	22.33	40.16		40.17	0.000003	0.35	19288.46	1478.19	0.02
Hempstead Lake	12961.9*	Max WS	6300.16	22.29	40.16		40.17	0.000003	0.35	19326.19	1476.20	0.02
Hempstead Lake	12944.7*	Max WS	6300.12	22.26	40.16		40.17	0.000003	0.35	19366.07	1473.76	0.02
Hempstead Lake	12927.4*	Max WS	6300.09	22.22	40.16		40.17	0.000003	0.35	19412.49	1470.96	0.02
Hempstead Lake	12910.2*	Max WS	6300.06	22.19	40.16		40.17	0.000002	0.35	19463.80	1467.84	0.02
Hempstead Lake	12892.97	Max WS	6300.03	22.15	40.16		40.17	0.000001	0.35	19519.99	1464.43	0.02
Hempstead Lake	12881.0*	Max WS	7382.37	22.12	40.16		40.17	0.000002	0.41	19512.10	1460.96	0.02
Hempstead Lake	12869.1*	Max WS	7382.33	22.09	40.16		40.17	0.000002	0.41	19507.57	1457.10	0.02
Hempstead Lake	12857.1*	Max WS	7382.29	22.06	40.16		40.17	0.000002	0.41	19502.53	1453.27	0.02
Hempstead Lake	12845.2*	Max WS	7382.25	22.03	40.16		40.17	0.000002	0.41	19498.44	1449.15	0.02
Hempstead Lake	12833.3*	Max WS	7382.21	22.00	40.16		40.17	0.000002	0.41	19494.16	1444.80	0.02
Hempstead Lake	12821.4*	Max WS	7382.18	21.97	40.16		40.17	0.000002	0.41	19493.57	1440.42	0.02
Hempstead Lake	12809.4*	Max WS	7382.14	21.94	40.16		40.17	0.000002	0.41	19492.96	1436.20	0.02
Hempstead Lake	12797.5*	Max WS	7382.11	21.92	40.16		40.17	0.000002	0.41	19492.00	1432.36	0.02
Hempstead Lake	12785.6*	Max WS	7382.07	21.89	40.16		40.17	0.000002	0.41	19493.51	1428.42	0.02
Hempstead Lake	12773.7*	Max WS	7382.04	21.86	40.16		40.17	0.000002	0.41	19495.59	1424.68	0.02
Hempstead Lake	12761.7*	Max WS	7382.01	21.83	40.16		40.17	0.000002	0.41	19497.79	1421.28	0.02
Hempstead Lake	12749.8*	Max WS	7381.98	21.80	40.16		40.17	0.000002	0.41	19501.90	1418.31	0.02
Hempstead Lake	12737.9*	Max WS	7381.95	21.77	40.16		40.17	0.000002	0.41	19506.29	1415.52	0.02
Hempstead Lake	12726.0*	Max WS	7381.92	21.74	40.16		40.17	0.000002	0.41	19510.50	1413.23	0.02
Hempstead Lake	12714.0*	Max WS	7381.89	21.71	40.16		40.17	0.000002	0.41	19514.02	1411.04	0.02
Hempstead Lake	12702.1*	Max WS	7381.86	21.68	40.16		40.17	0.000002	0.41	19521.21	1408.82	0.02
Hempstead Lake	12690.2*	Max WS	7381.84	21.65	40.16		40.17	0.000002	0.41	19527.62	1406.62	0.02
Hempstead Lake	12678.3*	Max WS	7381.81	21.62	40.16		40.17	0.000002	0.41	19534.54	1404.52	0.02
Hempstead Lake	12666.3*	Max WS	7381.77	21.59	40.16		40.17	0.000002	0.41	19541.54	1402.36	0.02
Hempstead Lake	12654.4*	Max WS	7381.74	21.56	40.16		40.17	0.000002	0.41	19549.08	1400.21	0.02
Hempstead Lake	12642.5*	Max WS	7381.72	21.53	40.16		40.17	0.000002	0.41	19558.01	1398.17	0.02
Hempstead Lake	12630.6*	Max WS	7381.68	21.50	40.16		40.17	0.000002	0.41	19566.79	1396.07	0.02
Hempstead Lake	12618.6*	Max WS	7381.65	21.47	40.16		40.17	0.000002	0.41	19576.87	1394.01	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	7381.63	21.45	40.16		40.17	0.000002	0.41	19586.35	1391.99	0.02
Hempstead Lake	12594.8*	Max WS	7381.61	21.42	40.16		40.17	0.000002	0.41	19597.86	1389.96	0.02
Hempstead Lake	12582.9*	Max WS	7381.59	21.39	40.16		40.17	0.000002	0.41	19608.87	1387.91	0.02
Hempstead Lake	12570.9*	Max WS	7381.55	21.36	40.16		40.17	0.000002	0.41	19619.73	1385.93	0.02
Hempstead Lake	12559.0*	Max WS	7381.52	21.33	40.16		40.17	0.000002	0.41	19631.59	1383.94	0.02
Hempstead Lake	12547.1*	Max WS	7381.50	21.30	40.16		40.17	0.000002	0.41	19644.84	1381.93	0.02
Hempstead Lake	12535.2*	Max WS	7381.48	21.27	40.16		40.17	0.000002	0.41	19658.79	1380.01	0.02
Hempstead Lake	12523.27	Max WS	7381.46	21.24	40.16		40.17	0.000002	0.41	19671.58	1378.02	0.02
Hempstead Lake	12515.8*	Max WS	7864.30	21.24	40.16		40.17	0.000002	0.44	19524.08	1364.43	0.02
Hempstead Lake	12508.3*	Max WS	7864.28	21.24	40.16		40.17	0.000002	0.44	19378.33	1350.79	0.02
Hempstead Lake	12500.9*	Max WS	7864.27	21.23	40.16		40.17	0.000003	0.44	19233.22	1337.11	0.02
Hempstead Lake	12493.4*	Max WS	7864.25	21.23	40.16		40.17	0.000003	0.44	19088.47	1323.33	0.02
Hempstead Lake	12486.0*	Max WS	7864.24	21.23	40.16		40.17	0.000003	0.44	18946.05	1309.32	0.02
Hempstead Lake	12478.5*	Max WS	7864.23	21.23	40.16		40.17	0.000004	0.45	18803.38	1295.24	0.02
Hempstead Lake	12471.1*	Max WS	7864.21	21.23	40.16		40.17	0.000004	0.45	18661.97	1280.96	0.02
Hempstead Lake	12463.7*	Max WS	7864.19	21.23	40.16		40.16	0.000005	0.45	18521.69	1266.85	0.02
Hempstead Lake	12456.2*	Max WS	7864.18	21.22	40.16		40.16	0.000005	0.45	18382.76	1252.85	0.02
Hempstead Lake	12448.8*	Max WS	7864.16	21.22	40.16		40.16	0.000005	0.45	18243.83	1238.82	0.02
Hempstead Lake	12441.3*	Max WS	7864.15	21.22	40.16		40.16	0.000006	0.45	18105.82	1224.54	0.02
Hempstead Lake	12433.9*	Max WS	7864.14	21.22	40.16		40.16	0.000007	0.46	17969.09	1210.05	0.02
Hempstead Lake	12426.4*	Max WS	7864.13	21.22	40.16		40.16	0.000007	0.46	17835.29	1195.42	0.02
Hempstead Lake	12419.0*	Max WS	7864.12	21.21	40.16		40.16	0.000008	0.46	17700.56	1180.55	0.02
Hempstead Lake	12411.5*	Max WS	7864.11	21.21	40.16		40.16	0.000008	0.46	17568.20	1165.58	0.02
Hempstead Lake	12404.1*	Max WS	7864.10	21.21	40.16		40.16	0.000009	0.46	17436.91	1150.41	0.02
Hempstead Lake	12396.6*	Max WS	7864.09	21.21	40.16		40.16	0.000009	0.47	17307.05	1134.40	0.02
Hempstead Lake	12389.2*	Max WS	7864.07	21.21	40.16		40.16	0.000010	0.47	17179.69	1118.20	0.02
Hempstead Lake	12381.8*	Max WS	7864.06	21.21	40.16		40.16	0.000011	0.47	17053.64	1101.67	0.02
Hempstead Lake	12374.3*	Max WS	7864.05	21.20	40.16		40.16	0.000011	0.47	16929.31	1084.99	0.02
Hempstead Lake	12366.9*	Max WS	7864.04	21.20	40.16		40.16	0.000012	0.47	16807.94	1067.85	0.02
Hempstead Lake	12359.46	Max WS	7864.03	21.20	40.16		40.16	0.000003	0.49	16688.35	1050.49	0.02
Hempstead Lake	12349.5*	Max WS	8184.06	21.17	40.16		40.16	0.000014	0.51	16409.23	1035.63	0.02
Hempstead Lake	12339.7*	Max WS	8184.04	21.14	40.16		40.16	0.000014	0.51	16132.74	1020.77	0.02
Hempstead Lake	12329.8*	Max WS	8184.03	21.10	40.16		40.16	0.000014	0.52	15856.49	1005.92	0.02
Hempstead Lake	12320.*	Max WS	8184.01	21.07	40.16		40.16	0.000015	0.53	15582.81	990.98	0.02
Hempstead Lake	12310.1*	Max WS	8183.99	21.04	40.16		40.16	0.000015	0.54	15308.65	976.02	0.02
Hempstead Lake	12300.2*	Max WS	8183.98	21.01	40.16		40.16	0.000015	0.55	15035.94	961.00	0.02
Hempstead Lake	12290.4*	Max WS	8183.96	20.97	40.16		40.16	0.000016	0.56	14766.66	945.99	0.02
Hempstead Lake	12280.5*	Max WS	8183.95	20.94	40.16		40.16	0.000016	0.57	14496.54	930.91	0.02
Hempstead Lake	12270.6*	Max WS	8183.93	20.91	40.16		40.16	0.000016	0.59	14226.94	915.78	0.02
Hempstead Lake	12260.8*	Max WS	8183.92	20.88	40.16		40.16	0.000017	0.60	13958.80	900.62	0.03
Hempstead Lake	12250.9*	Max WS	8183.90	20.84	40.16		40.16	0.000017	0.61	13692.63	885.43	0.03
Hempstead Lake	12241.0*	Max WS	8183.89	20.81	40.16		40.16	0.000017	0.62	13426.94	870.19	0.03
Hempstead Lake	12231.2*	Max WS	8183.87	20.78	40.16		40.16	0.000018	0.64	13162.77	854.91	0.03
Hempstead Lake	12221.3*	Max WS	8183.86	20.75	40.16		40.16	0.000018	0.65	12898.92	839.58	0.03
Hempstead Lake	12211.4*	Max WS	8183.84	20.71	40.15		40.16	0.000019	0.66	12637.32	824.32	0.03
Hempstead Lake	12201.6*	Max WS	8183.83	20.68	40.15		40.16	0.000019	0.68	12376.07	809.03	0.03
Hempstead Lake	12191.7*	Max WS	8183.81	20.65	40.15		40.16	0.000019	0.69	12115.27	793.76	0.03
Hempstead Lake	12181.8*	Max WS	8183.79	20.62	40.15		40.16	0.000020	0.71	11856.58	778.47	0.03
Hempstead Lake	12172.0*	Max WS	8183.78	20.58	40.15		40.16	0.000021	0.73	11600.51	763.05	0.03
Hempstead Lake	12162.1*	Max WS	8183.77	20.55	40.15		40.16	0.000021	0.74	11343.53	747.82	0.03
Hempstead Lake	12152.2*	Max WS	8183.76	20.52	40.15		40.16	0.000022	0.76	11087.34	732.68	0.03
Hempstead Lake	12142.4*	Max WS	8183.75	20.49	40.15		40.16	0.000018	0.78	10832.69	717.52	0.03
Hempstead Lake	12132.5*	Max WS	8183.73	20.45	40.15		40.16	0.000019	0.80	10579.46	702.04	0.03
Hempstead Lake	12122.7*	Max WS	8183.72	20.42	40.15		40.16	0.000019	0.82	10327.39	686.45	0.04
Hempstead Lake	12112.8*	Max WS	8183.71	20.39	40.15		40.16	0.000020	0.84	10075.69	672.62	0.04
Hempstead Lake	12102.9*	Max WS	8183.70	20.36	40.15		40.16	0.000019	0.87	9825.68	658.22	0.04
Hempstead Lake	12093.1*	Max WS	8183.69	20.32	40.15		40.16	0.000020	0.89	9576.61	643.55	0.04
Hempstead Lake	12083.2*	Max WS	8183.67	20.29	40.15		40.16	0.000020	0.92	9329.15	628.79	0.04
Hempstead Lake	12073.3*	Max WS	8183.66	20.26	40.15		40.16	0.000020	0.94	9082.62	613.94	0.04
Hempstead Lake	12063.5*	Max WS	8183.65	20.23	40.14		40.16	0.000021	0.97	8836.78	599.16	0.04
Hempstead Lake	12053.6*	Max WS	8183.63	20.19	40.14		40.16	0.000020	1.00	8592.72	584.22	0.04
Hempstead Lake	12043.7*	Max WS	8183.62	20.16	40.14		40.16	0.000021	1.03	8349.85	569.11	0.04
Hempstead Lake	12033.9*	Max WS	8183.60	20.13	40.14		40.16	0.000021	1.06	8106.86	553.76	0.05
Hempstead Lake	12024.0*	Max WS	8183.59	20.10	40.14		40.16	0.000022	1.10	7865.74	538.19	0.05
Hempstead Lake	12014.1*	Max WS	8183.58	20.06	40.14		40.16	0.000021	1.13	7624.86	522.58	0.05
Hempstead Lake	12004.3*	Max WS	8183.57	20.03	40.14		40.16	0.000021	1.17	7386.08	506.79	0.05
Hempstead Lake	11994.45	Max WS	8183.56	20.00	40.13		40.16	0.000060	1.20	7145.97	490.75	0.05
Hempstead Lake	11989.45	Max WS	8237.37	20.00	40.13	24.34	40.15	0.000061	1.21	7145.07	490.73	0.05
Hempstead Lake	11979		Inl Struct									
Hempstead Lake	11969.45	Max WS	8237.37	20.00	40.10		40.13	0.000061	1.22	7131.18	490.27	0.05
Hempstead Lake	11964.45	Max WS	8237.37	20.00	40.10		40.13	0.000061	1.22	7130.86	490.26	0.05
Hempstead Lake	11954.6*	Max WS	8237.36	19.97	40.10		40.12	0.000025	1.28	6995.75	498.25	0.06
Hempstead Lake	11944.8*	Max WS	8237.36	19.95	40.10		40.12	0.000027	1.31	6860.67	507.29	0.06
Hempstead Lake	11934.9*	Max WS	8237.35	19.92	40.10		40.12	0.000030	1.34	6729.53	517.68	0.06
Hempstead Lake	11925.1*	Max WS	8237.34	19.90	40.09		40.12	0.000032	1.37	6598.66	528.35	0.06
Hempstead Lake	11915.3*	Max WS	8237.33	19.87	40.09		40.12	0.000035	1.41	6472.40	539.64	0.06
Hempstead Lake	11905.5*	Max WS	8237.33	19.84	40.08		40.11	0.000039	1.44	6345.31	550.26	0.07
Hempstead Lake	11895.6*	Max WS	8237.32	19.82	40.07		40.11	0.000043	1.48	6223.62	561.84	0.07
Hempstead Lake	11885.8*	Max WS	8237.32	19.79	40.07		40.10	0.000048	1.52	6105.71	573.72	0.07
Hempstead Lake	11876.0*	Max WS	8237.31	19.77	40.06		40.10	0.000073	1.55	5990.99	585.73	0.07
Hempstead Lake	11866.2*	Max WS	8237.30	19.74	40.05		40.09	0.000080	1.60	5880.54	598.49	0.08

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11856.4*	Max WS	8237.30	19.72	40.04		40.08	0.000087	1.64	5772.26	604.50	0.08
Hempstead Lake	11846.5*	Max WS	8237.29	19.69	40.03		40.07	0.000096	1.69	5661.05	606.16	0.09
Hempstead Lake	11836.7*	Max WS	8237.29	19.66	40.00		40.05	0.000106	1.74	5545.02	607.82	0.09
Hempstead Lake	11826.9*	Max WS	8237.28	19.64	39.94		39.99	0.000119	1.80	5400.37	609.47	0.10
Hempstead Lake	11817.1*	Max WS	8237.28	19.61	39.85		39.89	0.000136	1.87	5236.45	611.13	0.10
Hempstead Lake	11807.2*	Max WS	8237.27	19.59	39.79		39.85	0.000153	1.93	5096.43	612.78	0.11
Hempstead Lake	11797.46	Max WS	8237.27	19.56	38.45		38.53	0.000152	2.42	4162.00	614.44	0.15
Hempstead Lake	11792.46	Max WS	8237.27	19.56	39.15		39.22	0.000114	2.23	4554.25	614.44	0.13
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	1859.24	19.54	34.14		34.29	0.000235	3.19	583.51	53.01	0.17
Hempstead Lake	11627.46	Max WS	1860.13	19.54	34.15		34.29	0.000211	2.99	621.68	62.45	0.17
Hempstead Lake	11617.9*	Max WS	1860.13	19.43	34.14		34.26	0.000583	2.79	667.84	161.09	0.22
Hempstead Lake	11608.4*	Max WS	1860.12	19.31	34.17		34.25	0.000357	2.32	803.17	186.16	0.18
Hempstead Lake	11598.94	Max WS	1865.52	19.20	34.20		34.25	0.000120	1.93	968.66	195.38	0.15
Hempstead Lake	11573.9*	Max WS	1869.19	19.18	34.25		34.29	0.000093	1.54	1251.93	574.01	0.17
Hempstead Lake	11548.9*	Max WS	1870.07	19.15	34.26		34.28	0.000085	1.21	1675.46	678.86	0.12
Hempstead Lake	11523.9*	Max WS	1870.91	19.12	34.27		34.28	0.000076	0.96	2171.67	752.61	0.09
Hempstead Lake	11498.9*	Max WS	1870.88	19.10	34.27		34.28	0.000064	0.77	2735.37	819.97	0.07
Hempstead Lake	11473.9*	Max WS	1870.86	19.08	34.27		34.28	0.000049	0.61	3369.35	884.11	0.05
Hempstead Lake	11448.9*	Max WS	1870.84	19.05	34.27		34.28	0.000034	0.49	4072.01	947.33	0.04
Hempstead Lake	11423.9*	Max WS	1870.83	19.02	34.27		34.27	0.000023	0.40	4845.36	1009.90	0.03
Hempstead Lake	11398.9*	Max WS	1870.81	19.00	34.27		34.27	0.000015	0.33	5688.33	1072.13	0.02
Hempstead Lake	11373.9*	Max WS	1870.80	18.98	34.27		34.27	0.000010	0.28	6601.59	1134.34	0.02
Hempstead Lake	11349.*	Max WS	1870.78	18.95	34.27		34.27	0.000006	0.23	7583.95	1196.18	0.02
Hempstead Lake	11324.*	Max WS	1871.19	18.92	34.27		34.27	0.000004	0.20	8638.13	1257.90	0.01
Hempstead Lake	11299.0*	Max WS	1870.76	18.90	34.27		34.27	0.000003	0.17	9759.93	1319.54	0.01
Hempstead Lake	11274.0*	Max WS	1870.74	18.88	34.27		34.27	0.000002	0.14	10954.26	1381.35	0.01
Hempstead Lake	11249.0*	Max WS	1870.93	18.85	34.27		34.27	0.000001	0.12	12217.04	1442.78	0.01
Hempstead Lake	11224.0*	Max WS	1870.82	18.83	34.27		34.27	0.000001	0.11	13549.39	1504.30	0.01
Hempstead Lake	11199.0*	Max WS	1870.70	18.80	34.27		34.27	0.000001	0.09	14951.53	1565.79	0.01
Hempstead Lake	11174.0*	Max WS	1870.67	18.77	34.27		34.27	0.000001	0.08	16425.13	1627.46	0.00
Hempstead Lake	11149.0*	Max WS	1870.64	18.75	34.27		34.27	0.000000	0.07	17967.21	1688.90	0.00
Hempstead Lake	11124.0*	Max WS	1870.62	18.73	34.27		34.27	0.000000	0.06	19581.97	1750.32	0.00
Hempstead Lake	11099.0*	Max WS	1870.60	18.70	34.27		34.27	0.000000	0.06	21264.84	1811.72	0.00
Hempstead Lake	11074.0*	Max WS	1870.58	18.67	34.27		34.27	0.000000	0.05	23018.21	1873.33	0.00
Hempstead Lake	11049.07	Max WS	1869.97	18.65	34.27		34.27	0.000000	0.08	24840.83	1934.69	0.00
Hempstead Lake	11038.4*	Max WS	1869.88	18.61	34.27		34.27	0.000000	0.05	24217.24	1915.26	0.00
Hempstead Lake	11027.7*	Max WS	1870.55	18.58	34.27		34.27	0.000000	0.05	23610.80	1895.98	0.00
Hempstead Lake	11017.0*	Max WS	1870.53	18.54	34.27		34.27	0.000000	0.05	23018.23	1876.52	0.00
Hempstead Lake	11006.4*	Max WS	1870.51	18.50	34.27		34.27	0.000000	0.06	22440.17	1857.15	0.00
Hempstead Lake	10995.7*	Max WS	1870.49	18.47	34.27		34.27	0.000000	0.06	21881.35	1837.93	0.00
Hempstead Lake	10985.0*	Max WS	1870.47	18.43	34.27		34.27	0.000000	0.06	21337.39	1818.61	0.00
Hempstead Lake	10974.4*	Max WS	1870.45	18.39	34.27		34.27	0.000000	0.07	20808.67	1799.42	0.00
Hempstead Lake	10963.7*	Max WS	1870.43	18.35	34.27		34.27	0.000000	0.07	20296.58	1780.07	0.00
Hempstead Lake	10953.1*	Max WS	1870.42	18.32	34.27		34.27	0.000000	0.08	19800.88	1760.85	0.00
Hempstead Lake	10942.4*	Max WS	1870.40	18.28	34.27		34.27	0.000000	0.08	19319.86	1741.71	0.00
Hempstead Lake	10931.7*	Max WS	1870.38	18.24	34.27		34.27	0.000000	0.09	18852.30	1722.45	0.00
Hempstead Lake	10921.1*	Max WS	1870.37	18.21	34.27		34.27	0.000000	0.09	18403.71	1703.33	0.00
Hempstead Lake	10910.4*	Max WS	1870.35	18.17	34.27		34.27	0.000001	0.10	17972.25	1684.22	0.00
Hempstead Lake	10899.7*	Max WS	1870.33	18.13	34.27		34.27	0.000001	0.10	17553.16	1665.07	0.00
Hempstead Lake	10889.1*	Max WS	1870.30	18.10	34.27		34.27	0.000001	0.11	17151.39	1646.08	0.01
Hempstead Lake	10878.4*	Max WS	1870.28	18.06	34.27		34.27	0.000001	0.11	16764.61	1626.97	0.01
Hempstead Lake	10867.8*	Max WS	1870.26	18.02	34.27		34.27	0.000001	0.12	16394.50	1607.73	0.01
Hempstead Lake	10857.1*	Max WS	1870.25	17.99	34.27		34.27	0.000001	0.12	16038.42	1588.78	0.01
Hempstead Lake	10846.4*	Max WS	1870.23	17.95	34.27		34.27	0.000001	0.12	15700.58	1569.74	0.01
Hempstead Lake	10835.8*	Max WS	1870.21	17.91	34.27		34.27	0.000001	0.13	15375.78	1550.71	0.01
Hempstead Lake	10825.1*	Max WS	1868.36	17.88	34.27		34.27	0.000001	0.13	15067.62	1531.78	0.01
Hempstead Lake	10814.4*	Max WS	1870.17	17.84	34.27		34.27	0.000001	0.14	14776.05	1512.77	0.01
Hempstead Lake	10803.8*	Max WS	1870.14	17.80	34.27		34.27	0.000001	0.14	14498.50	1493.69	0.01
Hempstead Lake	10793.1*	Max WS	1870.11	17.76	34.27		34.27	0.000001	0.14	14238.42	1474.88	0.01
Hempstead Lake	10782.4*	Max WS	1870.08	17.73	34.27		34.27	0.000001	0.14	13991.88	1455.92	0.01
Hempstead Lake	10771.8*	Max WS	1870.05	17.69	34.27		34.27	0.000001	0.15	13762.13	1436.85	0.01
Hempstead Lake	10761.1*	Max WS	1870.01	17.65	34.27		34.27	0.000001	0.15	13549.16	1416.88	0.01
Hempstead Lake	10750.5*	Max WS	1869.99	17.62	34.27		34.27	0.000001	0.15	13349.69	1396.24	0.01
Hempstead Lake	10739.8*	Max WS	1869.97	17.58	34.27		34.27	0.000001	0.15	13166.79	1376.04	0.01
Hempstead Lake	10729.1*	Max WS	1869.94	17.54	34.27		34.27	0.000001	0.15	13000.40	1355.79	0.01
Hempstead Lake	10718.5*	Max WS	1869.91	17.51	34.27		34.27	0.000001	0.15	12847.28	1335.86	0.01
Hempstead Lake	10707.8*	Max WS	1869.88	17.47	34.27		34.27	0.000001	0.15	12712.59	1316.03	0.01
Hempstead Lake	10697.1*	Max WS	1869.84	17.43	34.27		34.27	0.000001	0.15	12591.35	1295.98	0.01
Hempstead Lake	10686.5*	Max WS	1869.80	17.40	34.27		34.27	0.000001	0.15	12486.91	1276.58	0.01
Hempstead Lake	10675.8*	Max WS	1872.22	17.36	34.27		34.27	0.000001	0.16	12395.93	1257.77	0.01
Hempstead Lake	10665.2*	Max WS	1869.73	17.32	34.27		34.27	0.000001	0.15	12320.22	1238.73	0.01
Hempstead Lake	10654.5*	Max WS	1872.22	17.29	34.27		34.27	0.000001	0.16	12259.29	1219.00	0.01
Hempstead Lake	10643.8*	Max WS	1869.66	17.25	34.27		34.27	0.000000	0.15	12213.49	1198.69	0.01
Hempstead Lake	10633.2*	Max WS	1869.61	17.21	34.27		34.27	0.000000	0.15	12182.81	1177.92	0.01
Hempstead Lake	10622.5*	Max WS	1872.23	17.17	34.27		34.27	0.000000	0.15	12167.28	1155.76	0.01
Hempstead Lake	10611.8*	Max WS	1869.53	17.14	34.27		34.27	0.000000	0.15	12172.98	1053.37	0.01
Hempstead Lake	10601.2*	Max WS	1872.22	17.10	34.27		34.27	0.000000	0.15	12214.01	1023.39	0.01
Hempstead Lake	10590.5*	Max WS	1872.21	17.06	34.27		34.27	0.000000	0.15	12261.66	1014.45	0.01
Hempstead Lake	10579.8*	Max WS	1872.20	17.03	34.27		34.27	0.000000	0.15	12313.68	1007.08	0.01
Hempstead Lake	10569.23	Max WS	1872.19	16.99	34.27		34.27	0.000000	0.15	12372.04	990.72	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10549.1*	Max WS	1872.18	16.96	34.27		34.27	0.000000	0.15	12403.66	1006.71	0.01
Hempstead Lake	10529.0*	Max WS	1872.16	16.94	34.27		34.27	0.000000	0.15	12440.83	1013.85	0.01
Hempstead Lake	10508.9*	Max WS	1869.21	16.91	34.27		34.27	0.000000	0.15	12478.96	1019.78	0.01
Hempstead Lake	10488.7*	Max WS	1872.13	16.89	34.27		34.27	0.000000	0.15	12518.46	1030.41	0.01
Hempstead Lake	10468.6*	Max WS	1872.11	16.86	34.27		34.27	0.000000	0.15	12561.96	1038.10	0.01
Hempstead Lake	10448.5*	Max WS	1872.08	16.83	34.27		34.27	0.000000	0.15	12607.61	1043.08	0.01
Hempstead Lake	10428.4*	Max WS	1872.06	16.81	34.27		34.27	0.000000	0.15	12652.34	1046.36	0.01
Hempstead Lake	10408.3*	Max WS	1872.03	16.78	34.27		34.27	0.000000	0.15	12700.70	1048.92	0.01
Hempstead Lake	10388.2*	Max WS	1872.00	16.76	34.27		34.27	0.000000	0.15	12747.52	1050.41	0.01
Hempstead Lake	10368.1*	Max WS	1871.97	16.73	34.27		34.27	0.000000	0.15	12798.31	1051.19	0.01
Hempstead Lake	10348.0*	Max WS	1871.93	16.71	34.27		34.27	0.000000	0.15	12847.06	1051.80	0.01
Hempstead Lake	10327.9*	Max WS	1871.89	16.68	34.27		34.27	0.000000	0.15	12897.91	1051.64	0.01
Hempstead Lake	10307.8*	Max WS	1871.85	16.65	34.27		34.27	0.000000	0.14	12950.28	1051.20	0.01
Hempstead Lake	10287.7*	Max WS	1875.04	16.63	34.27		34.27	0.000000	0.14	13002.58	1050.77	0.01
Hempstead Lake	10267.6*	Max WS	1875.02	16.60	34.27		34.27	0.000000	0.14	13056.13	1049.85	0.01
Hempstead Lake	10247.4*	Max WS	1871.71	16.58	34.27		34.27	0.000000	0.14	13108.56	1048.76	0.01
Hempstead Lake	10227.3*	Max WS	1875.00	16.55	34.27		34.27	0.000000	0.14	13162.78	1047.64	0.01
Hempstead Lake	10207.2*	Max WS	1874.97	16.52	34.27		34.27	0.000000	0.14	13219.22	1046.23	0.01
Hempstead Lake	10187.1*	Max WS	1874.95	16.50	34.27		34.27	0.000000	0.14	13273.53	1044.80	0.01
Hempstead Lake	10167.0*	Max WS	1874.92	16.47	34.27		34.27	0.000000	0.14	13330.55	1043.08	0.01
Hempstead Lake	10146.9*	Max WS	1874.90	16.45	34.27		34.27	0.000000	0.14	13385.83	1041.33	0.01
Hempstead Lake	10126.8*	Max WS	1874.87	16.42	34.27		34.27	0.000000	0.14	13446.08	1039.56	0.01
Hempstead Lake	10106.7*	Max WS	1874.84	16.40	34.27		34.27	0.000000	0.14	13502.21	1037.49	0.01
Hempstead Lake	10086.6*	Max WS	1874.80	16.37	34.27		34.27	0.000000	0.14	13560.98	1035.51	0.01
Hempstead Lake	10066.5*	Max WS	1874.77	16.34	34.27		34.27	0.000000	0.14	13621.07	1033.50	0.01
Hempstead Lake	10046.4*	Max WS	1874.73	16.32	34.27		34.27	0.000000	0.14	13679.96	1031.39	0.01
Hempstead Lake	10026.2*	Max WS	1878.24	16.29	34.27		34.27	0.000000	0.14	13740.79	1029.23	0.01
Hempstead Lake	10006.1*	Max WS	1878.22	16.27	34.27		34.27	0.000000	0.14	13801.03	1027.05	0.01
Hempstead Lake	9986.073	Max WS	1878.20	16.24	34.27		34.27	0.000000	0.14	13862.63	1024.80	0.01
Hempstead Lake	9965.77*	Max WS	1878.17	16.21	34.27		34.27	0.000000	0.14	13865.25	1022.27	0.01
Hempstead Lake	9945.47*	Max WS	1878.14	16.19	34.27		34.27	0.000000	0.14	13865.37	1019.91	0.01
Hempstead Lake	9925.18*	Max WS	1878.11	16.16	34.27		34.27	0.000000	0.14	13866.01	1017.35	0.01
Hempstead Lake	9904.88*	Max WS	1878.08	16.13	34.27		34.27	0.000000	0.14	13866.60	1014.73	0.01
Hempstead Lake	9884.59*	Max WS	1878.05	16.11	34.27		34.27	0.000000	0.14	13864.91	1011.83	0.01
Hempstead Lake	9864.29*	Max WS	1878.02	16.08	34.27		34.27	0.000000	0.14	13864.67	1009.08	0.01
Hempstead Lake	9843.99*	Max WS	1881.66	16.05	34.27		34.27	0.000000	0.14	13862.95	1006.05	0.01
Hempstead Lake	9823.7*	Max WS	1881.65	16.03	34.27		34.27	0.000000	0.14	13860.46	1002.92	0.01
Hempstead Lake	9803.40*	Max WS	1881.63	16.00	34.27		34.27	0.000000	0.14	13856.42	999.89	0.01
Hempstead Lake	9783.10*	Max WS	1881.60	15.97	34.27		34.27	0.000000	0.14	13852.16	996.93	0.01
Hempstead Lake	9762.81*	Max WS	1881.58	15.95	34.27		34.27	0.000000	0.14	13846.73	995.11	0.01
Hempstead Lake	9742.51*	Max WS	1881.55	15.92	34.27		34.27	0.000000	0.14	13841.70	993.21	0.01
Hempstead Lake	9722.21*	Max WS	1885.24	15.89	34.27		34.27	0.000000	0.14	13835.84	990.93	0.01
Hempstead Lake	9701.92*	Max WS	1881.49	15.87	34.27		34.27	0.000000	0.14	13828.56	989.94	0.01
Hempstead Lake	9681.62*	Max WS	1885.23	15.84	34.27		34.27	0.000000	0.14	13820.86	988.38	0.01
Hempstead Lake	9661.32*	Max WS	1885.22	15.81	34.27		34.27	0.000000	0.14	13814.65	986.48	0.01
Hempstead Lake	9641.03*	Max WS	1885.20	15.79	34.27		34.27	0.000000	0.14	13805.99	983.96	0.01
Hempstead Lake	9620.73*	Max WS	1885.18	15.76	34.27		34.27	0.000000	0.14	13797.64	981.01	0.01
Hempstead Lake	9600.43*	Max WS	1888.86	15.73	34.27		34.27	0.000000	0.14	13787.47	978.32	0.01
Hempstead Lake	9580.14*	Max WS	1885.14	15.71	34.27		34.27	0.000000	0.14	13776.89	976.15	0.01
Hempstead Lake	9559.84*	Max WS	1888.86	15.68	34.27		34.27	0.000000	0.14	13766.31	973.67	0.01
Hempstead Lake	9539.54*	Max WS	1885.07	15.66	34.27		34.27	0.000000	0.14	13753.99	971.29	0.01
Hempstead Lake	9519.25*	Max WS	1888.84	15.63	34.27		34.27	0.000000	0.14	13740.80	968.86	0.01
Hempstead Lake	9498.95*	Max WS	1888.83	15.60	34.27		34.27	0.000000	0.14	13729.10	966.36	0.01
Hempstead Lake	9478.65*	Max WS	1888.81	15.58	34.27		34.27	0.000000	0.14	13714.56	963.60	0.01
Hempstead Lake	9458.36*	Max WS	1888.79	15.55	34.27		34.27	0.000000	0.14	13700.40	960.93	0.01
Hempstead Lake	9438.06*	Max WS	1888.77	15.52	34.27		34.27	0.000000	0.14	13683.65	958.14	0.01
Hempstead Lake	9417.76*	Max WS	1892.52	15.50	34.27		34.27	0.000000	0.14	13667.69	955.42	0.01
Hempstead Lake	9397.47*	Max WS	1888.72	15.47	34.27		34.27	0.000000	0.14	13650.00	952.45	0.01
Hempstead Lake	9377.17*	Max WS	1892.50	15.44	34.27		34.27	0.000000	0.14	13633.33	949.63	0.01
Hempstead Lake	9356.87*	Max WS	1892.49	15.42	34.27		34.27	0.000000	0.14	13612.23	946.52	0.01
Hempstead Lake	9336.58*	Max WS	1896.19	15.39	34.27		34.27	0.000000	0.14	13593.72	943.55	0.01
Hempstead Lake	9316.28*	Max WS	1892.45	15.36	34.27		34.27	0.000000	0.14	13573.62	940.42	0.01
Hempstead Lake	9295.98*	Max WS	1892.42	15.34	34.27		34.27	0.000000	0.14	13551.57	937.40	0.01
Hempstead Lake	9275.69*	Max WS	1896.18	15.31	34.27		34.27	0.000000	0.14	13529.46	934.17	0.01
Hempstead Lake	9255.39*	Max WS	1896.17	15.28	34.27		34.27	0.000000	0.14	13506.56	931.08	0.01
Hempstead Lake	9235.09*	Max WS	1896.15	15.26	34.27		34.27	0.000000	0.14	13481.17	927.88	0.01
Hempstead Lake	9214.80*	Max WS	1899.82	15.23	34.27		34.27	0.000000	0.14	13458.14	924.60	0.01
Hempstead Lake	9194.50*	Max WS	1899.81	15.20	34.27		34.27	0.000000	0.14	13431.33	921.28	0.01
Hempstead Lake	9174.20*	Max WS	1896.08	15.18	34.27		34.27	0.000000	0.14	13403.83	919.90	0.01
Hempstead Lake	9153.910	Max WS	1899.80	15.15	34.27		34.27	0.000000	0.14	13377.75	920.46	0.01
Hempstead Lake	9133.22*	Max WS	1936.92	15.12	34.27		34.27	0.000000	0.15	13415.87	926.24	0.01
Hempstead Lake	9112.54*	Max WS	1940.49	15.10	34.27		34.27	0.000000	0.15	13449.79	931.92	0.01
Hempstead Lake	9091.85*	Max WS	1940.48	15.07	34.27		34.27	0.000000	0.15	13486.26	938.05	0.01
Hempstead Lake	9071.17*	Max WS	1940.48	15.05	34.27		34.27	0.000000	0.15	13519.55	943.48	0.01
Hempstead Lake	9050.49*	Max WS	1936.82	15.02	34.27		34.27	0.000000	0.15	13552.26	949.03	0.01
Hempstead Lake	9029.80*	Max WS	1940.45	15.00	34.27		34.27	0.000000	0.14	13582.91	954.63	0.01
Hempstead Lake	9009.12*	Max WS	1943.94	14.97	34.27		34.27	0.000000	0.14	13613.81	960.51	0.01
Hempstead Lake	8988.44*	Max WS	1940.40	14.95	34.27		34.27	0.000000	0.14	13643.04	965.77	0.01
Hempstead Lake	8967.75*	Max WS	1943.93	14.92	34.27		34.27	0.000000	0.14	13671.06	971.17	0.01
Hempstead Lake	8947.07*	Max WS	1947.31	14.90	34.27		34.27	0.000000	0.14	13697.59	976.31	0.01
Hempstead Lake	8926.39*	Max WS	1943.89	14.87	34.27		34.27	0.000000	0.14	13723.65	982.00	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	8905.70*	Max WS	1943.87	14.85	34.27		34.27	0.000000	0.14	13748.80	987.21	0.01
Hempstead Lake	8885.02*	Max WS	1947.29	14.82	34.27		34.27	0.000000	0.14	13772.35	992.19	0.01
Hempstead Lake	8864.33*	Max WS	1950.57	14.80	34.27		34.27	0.000000	0.14	13793.91	997.23	0.01
Hempstead Lake	8843.65*	Max WS	1947.26	14.77	34.27		34.27	0.000000	0.14	13816.15	1002.28	0.01
Hempstead Lake	8822.97*	Max WS	1950.56	14.75	34.27		34.27	0.000000	0.14	13835.58	1007.03	0.01
Hempstead Lake	8802.28*	Max WS	1950.54	14.72	34.27		34.27	0.000000	0.14	13854.39	1012.44	0.01
Hempstead Lake	8781.60*	Max WS	1953.72	14.70	34.27		34.27	0.000000	0.14	13872.12	1017.72	0.01
Hempstead Lake	8760.92*	Max WS	1950.52	14.67	34.27		34.27	0.000000	0.14	13888.94	1022.92	0.01
Hempstead Lake	8740.23*	Max WS	1950.49	14.65	34.27		34.27	0.000000	0.14	13905.40	1028.04	0.01
Hempstead Lake	8719.55*	Max WS	1953.72	14.62	34.27		34.27	0.000000	0.14	13918.53	1033.05	0.01
Hempstead Lake	8698.86*	Max WS	1953.70	14.60	34.27		34.27	0.000000	0.14	13933.78	1037.95	0.01
Hempstead Lake	8678.18*	Max WS	1956.79	14.57	34.27		34.27	0.000000	0.14	13946.20	1042.67	0.01
Hempstead Lake	8657.50*	Max WS	1956.78	14.55	34.27		34.27	0.000000	0.14	13956.62	1047.27	0.01
Hempstead Lake	8636.81*	Max WS	1959.73	14.52	34.27		34.27	0.000000	0.14	13967.28	1051.71	0.01
Hempstead Lake	8616.13*	Max WS	1956.75	14.50	34.27		34.27	0.000000	0.14	13975.35	1055.74	0.01
Hempstead Lake	8595.45*	Max WS	1959.73	14.47	34.27		34.27	0.000000	0.14	13985.13	1060.05	0.01
Hempstead Lake	8574.76*	Max WS	1956.70	14.45	34.27		34.27	0.000000	0.14	13990.37	1063.32	0.01
Hempstead Lake	8554.08*	Max WS	1962.61	14.42	34.27		34.27	0.000000	0.14	13996.56	1066.41	0.01
Hempstead Lake	8533.39*	Max WS	1959.70	14.40	34.27		34.27	0.000000	0.14	14001.57	1068.67	0.01
Hempstead Lake	8512.71*	Max WS	1962.60	14.37	34.27		34.27	0.000000	0.14	14004.88	1068.61	0.01
Hempstead Lake	8492.03*	Max WS	1962.59	14.35	34.27		34.27	0.000000	0.14	14008.80	1063.59	0.01
Hempstead Lake	8471.34*	Max WS	1962.58	14.32	34.27		34.27	0.000000	0.14	14012.32	1051.37	0.01
Hempstead Lake	8450.66*	Max WS	1962.56	14.30	34.27		34.27	0.000000	0.14	14017.48	1015.99	0.01
Hempstead Lake	8429.980	Max WS	1962.54	14.27	34.27		34.27	0.000000	0.14	14023.55	1004.28	0.01
Hempstead Lake	8416.34*	Max WS	1962.52	14.25	34.27		34.27	0.000000	0.14	14113.17	1012.24	0.01
Hempstead Lake	8402.71*	Max WS	1965.38	14.23	34.27		34.27	0.000000	0.14	14206.56	1035.43	0.01
Hempstead Lake	8389.07*	Max WS	1962.49	14.21	34.27		34.27	0.000000	0.14	14301.97	1043.77	0.01
Hempstead Lake	8375.44*	Max WS	1965.36	14.19	34.27		34.27	0.000000	0.14	14399.98	1049.50	0.01
Hempstead Lake	8361.81*	Max WS	1968.07	14.16	34.27		34.27	0.000000	0.14	14495.53	1053.99	0.01
Hempstead Lake	8348.17*	Max WS	1965.34	14.14	34.27		34.27	0.000000	0.13	14592.83	1057.84	0.01
Hempstead Lake	8334.54*	Max WS	1965.32	14.12	34.27		34.27	0.000000	0.13	14689.58	1061.08	0.01
Hempstead Lake	8320.91*	Max WS	1968.08	14.10	34.27		34.27	0.000000	0.13	14787.29	1064.41	0.01
Hempstead Lake	8307.27*	Max WS	1968.07	14.08	34.27		34.27	0.000000	0.13	14884.54	1067.54	0.01
Hempstead Lake	8293.64*	Max WS	1968.06	14.06	34.27		34.27	0.000000	0.13	14985.45	1070.50	0.01
Hempstead Lake	8280.00*	Max WS	1970.71	14.04	34.27		34.27	0.000000	0.13	15083.63	1073.44	0.01
Hempstead Lake	8266.37*	Max WS	1965.23	14.02	34.27		34.27	0.000000	0.13	15180.40	1076.17	0.01
Hempstead Lake	8252.74*	Max WS	1968.03	13.99	34.27		34.27	0.000000	0.13	15280.38	1079.01	0.01
Hempstead Lake	8239.10*	Max WS	1968.02	13.97	34.27		34.27	0.000000	0.13	15378.92	1081.82	0.01
Hempstead Lake	8225.47*	Max WS	1970.71	13.95	34.27		34.27	0.000000	0.13	15480.71	1084.61	0.01
Hempstead Lake	8211.84*	Max WS	1967.99	13.93	34.27		34.27	0.000000	0.13	15580.36	1087.37	0.01
Hempstead Lake	8198.20*	Max WS	1970.70	13.91	34.27		34.27	0.000000	0.13	15683.30	1089.98	0.01
Hempstead Lake	8184.57*	Max WS	1970.69	13.89	34.27		34.27	0.000000	0.13	15783.53	1092.70	0.01
Hempstead Lake	8170.93*	Max WS	1967.93	13.87	34.27		34.27	0.000000	0.12	15885.29	1095.41	0.01
Hempstead Lake	8157.30*	Max WS	1973.32	13.85	34.27		34.27	0.000000	0.12	15985.85	1098.11	0.01
Hempstead Lake	8143.67*	Max WS	1973.31	13.82	34.27		34.27	0.000000	0.12	16089.93	1100.70	0.01
Hempstead Lake	8130.03*	Max WS	1973.31	13.80	34.27		34.27	0.000000	0.12	16191.80	1103.37	0.01
Hempstead Lake	8116.40*	Max WS	1970.66	13.78	34.27		34.27	0.000000	0.12	16296.81	1106.04	0.01
Hempstead Lake	8102.76*	Max WS	1970.64	13.76	34.27		34.27	0.000000	0.12	16399.23	1108.74	0.01
Hempstead Lake	8089.13*	Max WS	1970.61	13.74	34.27		34.27	0.000000	0.12	16501.63	1111.44	0.01
Hempstead Lake	8075.50*	Max WS	1973.31	13.72	34.27		34.27	0.000000	0.12	16606.24	1114.01	0.01
Hempstead Lake	8061.86*	Max WS	1973.30	13.70	34.27		34.27	0.000000	0.12	16710.00	1116.68	0.01
Hempstead Lake	8048.23*	Max WS	1970.55	13.68	34.27		34.27	0.000000	0.12	16814.51	1119.36	0.01
Hempstead Lake	8034.6*	Max WS	1973.27	13.65	34.27		34.27	0.000000	0.12	16919.33	1122.02	0.01
Hempstead Lake	8020.96*	Max WS	1973.26	13.63	34.27		34.27	0.000000	0.12	17027.32	1124.67	0.01
Hempstead Lake	8007.33*	Max WS	1975.93	13.61	34.27		34.27	0.000000	0.12	17131.95	1127.24	0.01
Hempstead Lake	7993.69*	Max WS	1973.25	13.59	34.27		34.27	0.000000	0.11	17238.69	1129.82	0.01
Hempstead Lake	7980.06*	Max WS	1973.23	13.57	34.27		34.27	0.000000	0.11	17344.07	1132.46	0.01
Hempstead Lake	7966.43*	Max WS	1973.21	13.55	34.27		34.27	0.000000	0.11	17451.64	1135.10	0.00
Hempstead Lake	7952.79*	Max WS	1973.19	13.53	34.27		34.27	0.000000	0.11	17558.73	1137.68	0.00
Hempstead Lake	7939.16*	Max WS	1975.95	13.51	34.27		34.27	0.000000	0.11	17665.68	1140.31	0.00
Hempstead Lake	7925.53*	Max WS	1975.94	13.48	34.27		34.27	0.000000	0.11	17774.82	1142.94	0.00
Hempstead Lake	7911.89*	Max WS	1973.13	13.46	34.27		34.27	0.000000	0.11	17882.91	1145.57	0.00
Hempstead Lake	7898.26*	Max WS	1975.93	13.44	34.27		34.27	0.000000	0.11	17992.10	1148.19	0.00
Hempstead Lake	7884.62*	Max WS	1975.92	13.42	34.27		34.27	0.000000	0.11	18099.98	1150.77	0.00
Hempstead Lake	7870.99*	Max WS	1975.91	13.40	34.27		34.27	0.000000	0.11	18209.57	1153.39	0.00
Hempstead Lake	7857.36*	Max WS	1975.90	13.38	34.27		34.27	0.000000	0.11	18318.07	1156.01	0.00
Hempstead Lake	7843.72*	Max WS	1972.97	13.36	34.27		34.27	0.000000	0.11	18430.41	1158.62	0.00
Hempstead Lake	7830.09*	Max WS	1975.87	13.34	34.27		34.27	0.000000	0.11	18540.11	1161.24	0.00
Hempstead Lake	7816.45*	Max WS	1975.86	13.31	34.27		34.27	0.000000	0.11	18651.53	1163.83	0.00
Hempstead Lake	7802.82*	Max WS	1975.85	13.29	34.27		34.27	0.000000	0.11	18762.02	1166.44	0.00
Hempstead Lake	7789.19*	Max WS	1975.82	13.27	34.27		34.27	0.000000	0.11	18873.89	1169.05	0.00
Hempstead Lake	7775.55*	Max WS	1975.80	13.25	34.27		34.27	0.000000	0.10	18984.71	1171.66	0.00
Hempstead Lake	7761.92*	Max WS	1978.67	13.23	34.27		34.27	0.000000	0.10	19097.47	1174.23	0.00
Hempstead Lake	7748.29*	Max WS	1978.66	13.21	34.27		34.27	0.000000	0.10	19211.26	1176.32	0.00
Hempstead Lake	7734.65*	Max WS	1975.73	13.19	34.27		34.27	0.000000	0.10	19322.77	1178.93	0.00
Hempstead Lake	7721.02*	Max WS	1975.70	13.17	34.27		34.27	0.000000	0.10	19438.24	1256.89	0.00
Hempstead Lake	7707.38*	Max WS	1975.67	13.14	34.27		34.27	0.000000	0.10	19555.88	1297.37	0.00
Hempstead Lake	7693.75*	Max WS	1975.65	13.12	34.27		34.27	0.000000	0.10	19675.13	1327.82	0.00
Hempstead Lake	7680.12*	Max WS	1978.63	13.10	34.27		34.27	0.000000	0.10	19797.59	1361.77	0.00
Hempstead Lake	7666.48*	Max WS	1975.58	13.08	34.27		34.27	0.000000	0.10	19923.89	1397.56	0.00
Hempstead Lake	7652.85*	Max WS	1978.62	13.06	34.27		34.27	0.000000	0.10	20050.48	1494.27	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7639.22*	Max WS	1978.61	13.04	34.27		34.27	0.000000	0.10	20185.16	1584.47	0.00
Hempstead Lake	7625.58*	Max WS	1978.59	13.02	34.27		34.27	0.000000	0.10	20323.59	1638.29	0.00
Hempstead Lake	7611.95*	Max WS	1978.57	13.00	34.27		34.27	0.000000	0.10	20464.75	1693.98	0.00
Hempstead Lake	7598.31*	Max WS	1978.54	12.97	34.27		34.27	0.000000	0.10	20611.44	1748.54	0.00
Hempstead Lake	7584.68*	Max WS	1978.52	12.95	34.27		34.27	0.000000	0.10	20761.61	1804.66	0.00
Hempstead Lake	7571.05*	Max WS	1981.59	12.93	34.27		34.27	0.000000	0.10	20917.73	1989.97	0.00
Hempstead Lake	7557.41*	Max WS	1978.48	12.91	34.27		34.27	0.000000	0.10	21121.77	2565.07	0.00
Hempstead Lake	7543.783	Max WS	1978.44	12.89	34.27		34.27	0.000000	0.10	21331.73	2573.06	0.00
Hempstead Lake	7530.03*	Max WS	1996.73	12.85	34.27		34.27	0.000000	0.10	21466.88	2590.17	0.00
Hempstead Lake	7516.28*	Max WS	1999.90	12.82	34.27		34.27	0.000000	0.10	21603.91	2603.54	0.00
Hempstead Lake	7502.53*	Max WS	1996.67	12.78	34.27		34.27	0.000000	0.10	21741.28	2614.01	0.00
Hempstead Lake	7488.79*	Max WS	1999.88	12.74	34.27		34.27	0.000000	0.10	21881.00	2624.23	0.00
Hempstead Lake	7475.04*	Max WS	1996.54	12.71	34.27		34.27	0.000000	0.09	22018.32	2634.04	0.00
Hempstead Lake	7461.29*	Max WS	1999.88	12.67	34.27		34.27	0.000000	0.09	22157.63	2642.98	0.00
Hempstead Lake	7447.54*	Max WS	1999.86	12.63	34.27		34.27	0.000000	0.09	22300.88	2652.37	0.00
Hempstead Lake	7433.79*	Max WS	1999.84	12.60	34.27		34.27	0.000000	0.09	22440.29	2661.30	0.00
Hempstead Lake	7420.04*	Max WS	1999.82	12.56	34.27		34.27	0.000000	0.09	22580.78	2670.90	0.00
Hempstead Lake	7406.3*	Max WS	1999.80	12.52	34.27		34.27	0.000000	0.09	22725.24	2680.47	0.00
Hempstead Lake	7392.55*	Max WS	1999.77	12.49	34.27		34.27	0.000000	0.09	22869.07	2689.60	0.00
Hempstead Lake	7378.80*	Max WS	1996.05	12.45	34.27		34.27	0.000000	0.09	23011.22	2699.24	0.00
Hempstead Lake	7365.05*	Max WS	1995.97	12.41	34.27		34.27	0.000000	0.09	23156.87	2708.79	0.00
Hempstead Lake	7351.30*	Max WS	1999.70	12.38	34.27		34.27	0.000000	0.09	23302.42	2718.27	0.00
Hempstead Lake	7337.55*	Max WS	1995.83	12.34	34.27		34.27	0.000000	0.09	23446.60	2727.98	0.00
Hempstead Lake	7323.81*	Max WS	1999.65	12.30	34.27		34.27	0.000000	0.09	23593.77	2737.49	0.00
Hempstead Lake	7310.06*	Max WS	1999.61	12.26	34.27		34.27	0.000000	0.09	23741.63	2746.25	0.00
Hempstead Lake	7296.31*	Max WS	1999.57	12.23	34.27		34.27	0.000000	0.09	23890.05	2755.24	0.00
Hempstead Lake	7282.56*	Max WS	1999.53	12.19	34.27		34.27	0.000000	0.09	24039.81	2764.13	0.00
Hempstead Lake	7268.81*	Max WS	1999.50	12.15	34.27		34.27	0.000000	0.09	24189.47	2772.92	0.00
Hempstead Lake	7255.06*	Max WS	1999.47	12.12	34.27		34.27	0.000000	0.09	24339.07	2782.45	0.00
Hempstead Lake	7241.32*	Max WS	1999.42	12.08	34.27		34.27	0.000000	0.09	24490.45	2791.49	0.00
Hempstead Lake	7227.57*	Max WS	1999.37	12.04	34.27		34.27	0.000000	0.09	24644.29	2800.73	0.00
Hempstead Lake	7213.82*	Max WS	1999.33	12.01	34.27		34.27	0.000000	0.09	24795.34	2810.57	0.00
Hempstead Lake	7200.07*	Max WS	1999.29	11.97	34.27		34.27	0.000000	0.09	24945.66	2820.16	0.00
Hempstead Lake	7186.32*	Max WS	1999.26	11.93	34.27		34.27	0.000000	0.09	25103.10	2830.23	0.00
Hempstead Lake	7172.57*	Max WS	1999.21	11.90	34.27		34.27	0.000000	0.09	25256.75	2840.36	0.00
Hempstead Lake	7158.83*	Max WS	1999.16	11.86	34.27		34.27	0.000000	0.09	25411.06	2850.14	0.00
Hempstead Lake	7145.08*	Max WS	1999.11	11.82	34.27		34.27	0.000000	0.09	25568.39	2859.37	0.00
Hempstead Lake	7131.33*	Max WS	1999.05	11.79	34.27		34.27	0.000000	0.09	25725.99	2869.77	0.00
Hempstead Lake	7117.58*	Max WS	2003.59	11.75	34.27		34.27	0.000000	0.09	25886.14	2879.45	0.00
Hempstead Lake	7103.83*	Max WS	1998.93	11.71	34.27		34.27	0.000000	0.09	26044.42	2888.92	0.00
Hempstead Lake	7090.08*	Max WS	2003.57	11.68	34.27		34.27	0.000000	0.09	26200.61	2898.75	0.00
Hempstead Lake	7076.34*	Max WS	2003.56	11.64	34.27		34.27	0.000000	0.09	26363.83	2908.86	0.00
Hempstead Lake	7062.59*	Max WS	1998.75	11.60	34.27		34.27	0.000000	0.09	26522.04	2918.65	0.00
Hempstead Lake	7048.84*	Max WS	1998.68	11.57	34.27		34.27	0.000000	0.09	26682.54	2929.18	0.00
Hempstead Lake	7035.09*	Max WS	2003.56	11.53	34.27		34.27	0.000000	0.09	26847.68	2939.66	0.00
Hempstead Lake	7021.34*	Max WS	1998.56	11.49	34.27		34.27	0.000000	0.09	27009.51	2951.11	0.00
Hempstead Lake	7007.6*	Max WS	1998.49	11.46	34.27		34.27	0.000000	0.09	27174.24	2962.57	0.00
Hempstead Lake	6993.85*	Max WS	2003.54	11.42	34.27		34.27	0.000000	0.09	27338.06	2974.07	0.00
Hempstead Lake	6980.10*	Max WS	1998.36	11.38	34.27		34.27	0.000000	0.08	27506.39	2986.50	0.00
Hempstead Lake	6966.35*	Max WS	1998.28	11.35	34.27		34.27	0.000000	0.08	27672.69	2998.30	0.00
Hempstead Lake	6952.60*	Max WS	1998.20	11.31	34.27		34.27	0.000000	0.08	27841.02	3011.49	0.00
Hempstead Lake	6938.85*	Max WS	2003.53	11.27	34.27		34.27	0.000000	0.08	28009.50	3026.16	0.00
Hempstead Lake	6925.11*	Max WS	2003.52	11.23	34.27		34.27	0.000000	0.08	28177.99	3042.23	0.00
Hempstead Lake	6911.36*	Max WS	1997.98	11.20	34.27		34.27	0.000000	0.08	28351.47	3058.41	0.00
Hempstead Lake	6897.61*	Max WS	2003.49	11.16	34.27		34.27	0.000000	0.08	28523.03	3076.07	0.00
Hempstead Lake	6883.86*	Max WS	2003.47	11.12	34.27		34.27	0.000000	0.08	28697.19	3094.66	0.00
Hempstead Lake	6870.11*	Max WS	2003.45	11.09	34.27		34.27	0.000000	0.08	28873.27	3113.10	0.00
Hempstead Lake	6856.36*	Max WS	1997.72	11.05	34.27		34.27	0.000000	0.08	29050.86	3132.85	0.00
Hempstead Lake	6842.62*	Max WS	1997.64	11.01	34.27		34.27	0.000000	0.08	29229.11	3152.59	0.00
Hempstead Lake	6828.87*	Max WS	2003.41	10.98	34.27		34.27	0.000000	0.08	29408.49	3173.96	0.00
Hempstead Lake	6815.12*	Max WS	1997.49	10.94	34.27		34.27	0.000000	0.08	29591.81	3197.31	0.00
Hempstead Lake	6801.37*	Max WS	1997.41	10.90	34.27		34.27	0.000000	0.08	29775.61	3219.95	0.00
Hempstead Lake	6787.62*	Max WS	2003.38	10.87	34.27		34.27	0.000000	0.08	29960.59	3242.78	0.00
Hempstead Lake	6773.87*	Max WS	2003.35	10.83	34.27		34.27	0.000000	0.08	30148.61	3263.62	0.00
Hempstead Lake	6760.13*	Max WS	1997.19	10.79	34.27		34.27	0.000000	0.08	30341.34	3341.18	0.00
Hempstead Lake	6746.38*	Max WS	1997.11	10.76	34.27		34.27	0.000000	0.08	30538.08	3369.20	0.00
Hempstead Lake	6732.634	Max WS	2003.26	10.72	34.27		34.27	0.000000	0.08	24407.67	1220.52	0.00
Hempstead Lake	6718.98*	Max WS	2003.19	10.73	34.27		34.27	0.000000	0.08	24230.30	1228.24	0.00
Hempstead Lake	6705.33*	Max WS	2003.13	10.74	34.27		34.27	0.000000	0.08	24054.49	1236.51	0.00
Hempstead Lake	6691.68*	Max WS	1996.22	10.75	34.27		34.27	0.000000	0.08	23879.48	1242.00	0.00
Hempstead Lake	6678.03*	Max WS	1995.96	10.76	34.27		34.27	0.000000	0.08	23706.53	1244.37	0.00
Hempstead Lake	6664.38*	Max WS	2003.06	10.77	34.27		34.27	0.000000	0.09	23533.55	1245.08	0.00
Hempstead Lake	6650.72*	Max WS	2003.05	10.78	34.27		34.27	0.000000	0.09	23361.66	1244.77	0.00
Hempstead Lake	6637.07*	Max WS	1995.76	10.79	34.27		34.27	0.000000	0.09	23191.34	1244.21	0.00
Hempstead Lake	6623.42*	Max WS	2003.03	10.80	34.27		34.27	0.000000	0.09	23019.96	1243.38	0.00
Hempstead Lake	6609.77*	Max WS	1995.70	10.81	34.27		34.27	0.000000	0.09	22850.83	1242.26	0.00
Hempstead Lake	6596.12*	Max WS	2003.02	10.82	34.27		34.27	0.000000	0.09	22680.75	1241.12	0.00
Hempstead Lake	6582.47*	Max WS	2003.01	10.83	34.27		34.27	0.000000	0.09	22512.24	1239.82	0.00
Hempstead Lake	6568.82*	Max WS	2003.00	10.84	34.27		34.27	0.000000	0.09	22345.42	1238.44	0.00
Hempstead Lake	6555.17*	Max WS	1995.59	10.85	34.27		34.27	0.000000	0.09	22177.11	1237.04	0.00
Hempstead Lake	6541.52*	Max WS	1995.56	10.86	34.27		34.27	0.000000	0.09	22012.37	1235.60	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6527.87*	Max WS	1995.52	10.87	34.27		34.27	0.000000	0.09	21846.43	1234.08	0.00
Hempstead Lake	6514.22*	Max WS	1995.48	10.88	34.27		34.27	0.000000	0.09	21679.73	1232.53	0.00
Hempstead Lake	6500.57*	Max WS	2002.99	10.89	34.27		34.27	0.000000	0.09	21515.96	1230.99	0.00
Hempstead Lake	6486.91*	Max WS	1995.42	10.91	34.27		34.27	0.000000	0.09	21351.35	1229.42	0.00
Hempstead Lake	6473.26*	Max WS	2002.98	10.92	34.27		34.27	0.000000	0.10	21187.61	1227.76	0.00
Hempstead Lake	6459.61*	Max WS	1995.39	10.93	34.27		34.27	0.000000	0.10	21025.76	1226.14	0.00
Hempstead Lake	6445.96*	Max WS	2002.97	10.94	34.27		34.27	0.000000	0.10	20863.54	1224.50	0.00
Hempstead Lake	6432.31*	Max WS	1995.34	10.95	34.27		34.27	0.000000	0.10	20703.17	1222.84	0.00
Hempstead Lake	6418.66*	Max WS	1995.31	10.96	34.27		34.27	0.000000	0.10	20540.61	1221.06	0.00
Hempstead Lake	6405.01*	Max WS	1995.28	10.97	34.27		34.27	0.000000	0.10	20380.32	1219.33	0.00
Hempstead Lake	6391.36*	Max WS	1995.27	10.98	34.27		34.27	0.000000	0.10	20223.04	1217.58	0.00
Hempstead Lake	6377.71*	Max WS	2002.97	10.99	34.27		34.27	0.000000	0.10	20063.02	1215.77	0.00
Hempstead Lake	6364.06*	Max WS	1995.23	11.00	34.27		34.27	0.000000	0.10	19906.64	1213.83	0.00
Hempstead Lake	6350.41*	Max WS	1995.20	11.01	34.27		34.27	0.000000	0.10	19749.11	1211.90	0.00
Hempstead Lake	6336.76*	Max WS	1995.17	11.02	34.27		34.27	0.000000	0.10	19593.24	1209.86	0.00
Hempstead Lake	6323.11*	Max WS	2002.97	11.03	34.27		34.27	0.000000	0.10	19438.64	1207.68	0.00
Hempstead Lake	6309.45*	Max WS	1995.14	11.04	34.27		34.27	0.000000	0.10	19281.63	1205.06	0.00
Hempstead Lake	6295.80*	Max WS	2002.97	11.05	34.27		34.27	0.000000	0.11	19126.81	1202.11	0.00
Hempstead Lake	6282.15*	Max WS	1995.09	11.06	34.27		34.27	0.000000	0.11	18974.59	1198.13	0.00
Hempstead Lake	6268.507	Max WS	1995.06	11.07	34.27		34.27	0.000000	0.11	18821.08	1191.16	0.00
Hempstead Lake	6259.72*	Max WS	1995.05	11.10	34.27		34.27	0.000000	0.10	19682.16	1197.54	0.00
Hempstead Lake	6250.93*	Max WS	1995.04	11.14	34.27		34.27	0.000000	0.10	20557.05	1215.29	0.00
Hempstead Lake	6242.14*	Max WS	1995.03	11.17	34.27		34.27	0.000000	0.09	21446.14	1232.95	0.00
Hempstead Lake	6233.35*	Max WS	1995.01	11.21	34.27		34.27	0.000000	0.09	22348.51	1270.49	0.00
Hempstead Lake	6224.57*	Max WS	1995.00	11.24	34.27		34.27	0.000000	0.09	23267.25	1310.29	0.00
Hempstead Lake	6215.78*	Max WS	2002.98	11.27	34.27		34.27	0.000000	0.08	24203.63	1323.18	0.00
Hempstead Lake	6206.99*	Max WS	2002.98	11.31	34.27		34.27	0.000000	0.08	25151.45	1334.20	0.00
Hempstead Lake	6198.21*	Max WS	1994.95	11.34	34.27		34.27	0.000000	0.08	26110.13	1345.18	0.00
Hempstead Lake	6189.42*	Max WS	1994.93	11.38	34.27		34.27	0.000000	0.07	27080.59	1337.60	0.00
Hempstead Lake	6180.638	Max WS	2002.99	11.41	34.27		34.27	0.000000	0.07	28104.83	1308.33	0.00
Hempstead Lake	6177.638	Max WS	1994.91	11.00	34.27	11.44	34.27	0.000000	0.07	28732.16	1442.71	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	11143.85	10.80	30.79		30.82	0.000231	1.23	9405.51	1381.10	0.08
Hempstead Lake	5930.638	Max WS	11143.67	10.80	30.68		30.70	0.000188	1.15	10170.94	1448.48	0.07
Hempstead Lake	5880.638	Max WS	11143.42	10.80	30.58		30.60	0.000207	1.19	10014.78	1541.19	0.07
Hempstead Lake	5830.638	Max WS	11143.11	10.80	30.48		30.50	0.000212	1.20	9967.65	1541.19	0.07
Hempstead Lake	5780.638	Max WS	11140.71	10.80	30.30		30.32	0.000219	1.20	9936.01	1541.19	0.07
Hempstead Lake	5730.638	Max WS	11140.61	10.80	30.12		30.13	0.000196	1.14	10414.45	1541.19	0.07
Hempstead Lake	5680.638	Max WS	11138.72	10.80	30.03		30.05	0.000161	1.05	11072.44	1541.19	0.06
Hempstead Lake	5630.638	Max WS	11108.22	10.80	25.48		25.56	0.001399	1.96	5402.83	1286.23	0.17
Hempstead Lake	5580.638	Max WS	11104.78	10.80	25.33		25.39	0.001225	1.90	5707.97	1287.33	0.16
Hempstead Lake	5530.638	Max WS	11104.71	10.80	25.05		25.11	0.001321	1.96	5602.28	1275.12	0.16
Hempstead Lake	5480.638	Max WS	11104.56	10.80	24.58		24.66	0.001803	2.19	5085.26	1262.99	0.19
Hempstead Lake	5430.638	Max WS	11104.03	10.60	23.80		23.92	0.003622	2.68	4126.39	1251.30	0.26
Hempstead Lake	5380.638	Max WS	11101.23	10.40	23.20		23.37	0.001434	3.45	3613.79	1207.28	0.35
Hempstead Lake	5330.638	Max WS	11093.59	10.20	22.58		22.75	0.006588	3.26	3413.86	1199.06	0.34
Hempstead Lake	5307.48*	Max WS	11084.80	7.93	22.34		22.49	0.005238	3.27	3540.95	1214.44	0.32
Hempstead Lake	5284.32*	Max WS	11080.97	7.87	22.25		22.39	0.003808	3.07	3816.83	1209.93	0.29
Hempstead Lake	5261.17*	Max WS	11079.01	7.80	22.19		22.31	0.002724	2.83	4137.51	1197.52	0.25
Hempstead Lake	5238.01*	Max WS	11058.32	7.73	22.16		22.26	0.001956	2.61	4489.38	1185.66	0.22
Hempstead Lake	5214.85*	Max WS	11054.86	7.67	22.13		22.22	0.001440	2.41	4858.72	1185.21	0.19
Hempstead Lake	5191.70*	Max WS	11052.89	7.60	22.11		22.19	0.001084	2.24	5233.33	1187.20	0.17
Hempstead Lake	5168.54*	Max WS	11019.48	7.54	22.10		22.16	0.000827	2.08	5611.13	1190.69	0.16
Hempstead Lake	5145.39*	Max WS	11014.71	7.47	22.09		22.14	0.000646	1.95	5986.47	1193.14	0.14
Hempstead Lake	5122.23*	Max WS	11011.16	7.40	22.08		22.13	0.000513	1.83	6360.22	1196.35	0.13
Hempstead Lake	5099.07*	Max WS	11008.79	7.34	22.07		22.12	0.000413	1.73	6730.49	1199.60	0.12
Hempstead Lake	5075.922	Max WS	11007.60	7.27	22.07		22.11	0.000064	1.69	7097.31	1203.56	0.11
Hempstead Lake	5055.96*	Max WS	10952.73	7.23	22.07		22.11	0.000259	1.57	7399.91	1192.65	0.10
Hempstead Lake	5036.01*	Max WS	10948.56	7.20	22.07		22.10	0.000189	1.50	7733.75	1173.07	0.09
Hempstead Lake	5016.05*	Max WS	10945.14	7.16	22.07		22.10	0.000137	1.44	8096.77	1168.88	0.09
Hempstead Lake	4996.10*	Max WS	10942.37	7.12	22.07		22.09	0.000093	1.37	8478.59	1168.61	0.08
Hempstead Lake	4976.14*	Max WS	10940.21	7.09	22.07		22.09	0.000063	1.32	8870.55	1169.91	0.08
Hempstead Lake	4956.192	Max WS	10938.61	7.05	22.07		22.09	0.000029	1.27	9274.06	1172.20	0.07
Hempstead Lake	4936.44*	Max WS	10937.52	7.02	22.07		22.09	0.000040	1.20	9668.65	1169.42	0.07
Hempstead Lake	4916.69*	Max WS	10936.93	6.98	22.07		22.09	0.000049	1.15	10070.05	1163.69	0.06
Hempstead Lake	4896.94*	Max WS	10856.25	6.95	22.07		22.09	0.000059	1.09	10474.81	1158.53	0.06
Hempstead Lake	4877.19*	Max WS	10852.66	6.91	22.07		22.08	0.000065	1.04	10887.59	1152.95	0.05
Hempstead Lake	4857.44*	Max WS	10849.58	6.88	22.07		22.08	0.000072	0.99	11307.04	1147.72	0.05
Hempstead Lake	4837.697	Max WS	10847.00	6.84	22.07		22.08	0.000013	0.97	11734.67	1140.67	0.05
Hempstead Lake	4817.64*	Max WS	10897.62	6.81	22.06		22.08	0.000076	0.95	11769.48	1135.05	0.05
Hempstead Lake	4797.59*	Max WS	10896.06	6.77	22.06		22.08	0.000074	0.94	11804.63	1129.07	0.05
Hempstead Lake	4777.53*	Max WS	10895.07	6.67	22.06		22.07	0.000073	0.94	11842.34	1123.35	0.05
Hempstead Lake	4757.48*	Max WS	10894.64	6.58	22.06		22.07	0.000072	0.93	11880.16	1117.01	0.05
Hempstead Lake	4737.42*	Max WS	10795.00	6.49	22.06		22.07	0.000069	0.92	11919.72	1110.28	0.04
Hempstead Lake	4717.37*	Max WS	10791.92	6.40	22.05		22.07	0.000068	0.92	11960.91	1104.01	0.04
Hempstead Lake	4697.32*	Max WS	10789.48	6.30	22.05		22.06	0.000066	0.91	12005.38	1097.60	0.04
Hempstead Lake	4677.26*	Max WS	10787.67	6.21	22.05		22.06	0.000065	0.91	12050.47	1091.05	0.04
Hempstead Lake	4657.21*	Max WS	10786.49	6.12	22.05		22.06	0.000064	0.90	12097.78	1083.79	0.04
Hempstead Lake	4637.16*	Max WS	10785.91	6.02	22.05		22.06	0.000062	0.90	12147.75	1076.10	0.04
Hempstead Lake	4617.10*	Max WS	10676.96	5.91	22.04		22.06	0.000060	0.88	12199.84	1067.96	0.04
Hempstead Lake	4597.05*	Max WS	10674.07	5.76	22.04		22.05	0.000059	0.88	12253.06	1060.64	0.04

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4577.*	Max WS	10671.80	5.60	22.04		22.05	0.000057	0.87	12310.43	1055.62	0.04
Hempstead Lake	4556.94*	Max WS	10670.10	5.45	22.04		22.05	0.000056	0.86	12369.75	1049.91	0.04
Hempstead Lake	4536.893	Max WS	10668.98	5.30	22.04		22.05	0.000009	0.89	12429.98	1045.35	0.04
Hempstead Lake	4516.70*	Max WS	10671.97	5.16	22.03		22.05	0.000054	0.85	12485.92	1042.65	0.04
Hempstead Lake	4496.51*	Max WS	10556.48	5.02	22.03		22.04	0.000051	0.84	12546.16	1040.19	0.04
Hempstead Lake	4476.32*	Max WS	10553.60	4.88	22.03		22.04	0.000050	0.84	12613.21	1037.79	0.04
Hempstead Lake	4456.14*	Max WS	10551.33	4.74	22.03		22.04	0.000049	0.83	12682.22	1035.91	0.04
Hempstead Lake	4435.95*	Max WS	10549.68	4.60	22.03		22.04	0.000048	0.83	12758.44	1034.57	0.04
Hempstead Lake	4415.76*	Max WS	10548.61	4.46	22.03		22.04	0.000047	0.82	12839.11	1033.09	0.04
Hempstead Lake	4395.57*	Max WS	10548.12	4.32	22.02		22.03	0.000046	0.82	12925.35	1033.82	0.04
Hempstead Lake	4375.38*	Max WS	10426.53	4.18	22.02		22.03	0.000043	0.80	13017.38	1034.63	0.04
Hempstead Lake	4355.20*	Max WS	10423.62	4.04	22.02		22.03	0.000042	0.79	13115.08	1035.19	0.04
Hempstead Lake	4335.01*	Max WS	10421.34	3.90	22.02		22.03	0.000041	0.79	13217.84	1035.39	0.04
Hempstead Lake	4314.82*	Max WS	10419.67	3.76	22.02		22.03	0.000040	0.78	13326.44	1036.01	0.03
Hempstead Lake	4294.63*	Max WS	10418.59	3.62	22.02		22.03	0.000038	0.78	13440.37	1036.16	0.03
Hempstead Lake	4274.44*	Max WS	10418.08	3.48	22.01		22.02	0.000037	0.77	13558.82	1036.74	0.03
Hempstead Lake	4254.26*	Max WS	10291.67	3.34	22.01		22.02	0.000035	0.75	13683.24	1036.90	0.03
Hempstead Lake	4234.07*	Max WS	10288.61	3.20	22.01		22.02	0.000034	0.75	13813.32	1037.08	0.03
Hempstead Lake	4213.88*	Max WS	10286.16	3.06	22.01		22.02	0.000033	0.74	13949.50	1037.45	0.03
Hempstead Lake	4193.69*	Max WS	10284.31	2.92	22.01		22.02	0.000032	0.73	14089.25	1037.59	0.03
Hempstead Lake	4173.50*	Max WS	10283.05	2.78	22.01		22.02	0.000030	0.73	14234.94	1037.76	0.03
Hempstead Lake	4153.320	Max WS	10282.35	2.64	22.01		22.02	0.000005	0.75	14386.03	1037.50	0.03
Hempstead Lake	4131.85*	Max WS	10155.17	2.69	22.01		22.01	0.000029	0.72	14302.42	1030.58	0.03
Hempstead Lake	4110.38*	Max WS	10151.91	2.75	22.00		22.01	0.000030	0.72	14223.90	1023.39	0.03
Hempstead Lake	4088.91*	Max WS	10149.35	2.80	22.00		22.01	0.000030	0.72	14153.29	1017.23	0.03
Hempstead Lake	4067.44*	Max WS	10147.51	2.86	22.00		22.01	0.000030	0.73	14086.57	1011.88	0.03
Hempstead Lake	4045.97*	Max WS	10146.41	2.91	22.00		22.01	0.000031	0.73	14028.25	1006.95	0.03
Hempstead Lake	4024.50*	Max WS	10012.21	2.97	22.00		22.01	0.000030	0.73	13973.37	1002.51	0.03
Hempstead Lake	4003.034	Max WS	10008.11	3.02	22.00		22.00	0.000005	0.75	13926.82	998.44	0.03
Hempstead Lake	3984.01*	Max WS	10005.08	3.78	21.99		22.00	0.000040	0.80	12883.48	995.94	0.03
Hempstead Lake	3964.99*	Max WS	10002.72	4.54	21.99		22.00	0.000052	0.86	11871.25	1016.29	0.04
Hempstead Lake	3945.97*	Max WS	11007.08	5.30	21.99		22.00	0.000083	1.04	10892.18	1033.90	0.05
Hempstead Lake	3926.95*	Max WS	11007.06	6.06	21.98		22.00	0.000113	1.14	9954.38	1085.40	0.06
Hempstead Lake	3907.93*	Max WS	11006.99	6.82	21.97		22.00	0.000156	1.26	9081.50	1140.84	0.07
Hempstead Lake	3888.916	Max WS	9746.40	7.58	21.96		21.99	0.000030	1.29	8203.59	1117.74	0.07
Hempstead Lake	3883.916	Max WS	9748.30	7.20	21.96	12.90	21.99	0.000032	1.31	8093.62	1121.73	0.07
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	9748.30	7.19	21.92		21.95	0.000043	1.45	7505.10	1126.80	0.08
Hempstead Lake	3858.916	Max WS	9748.15	7.17	21.92		21.95	0.000049	1.48	7383.02	1128.35	0.09
Hempstead Lake	3826.579	Max WS	9650.06	6.10	21.88		21.92	0.000086	1.77	6243.24	1132.73	0.11
Hempstead Lake	3821.579	Max WS	9649.83	6.02	21.87		21.92	0.000094	1.81	6109.83	1133.64	0.12
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	9649.83	5.94	21.85		21.90	0.000269	1.78	6365.90	1210.03	0.11
Hempstead Lake	3736.579	Max WS	9649.36	5.88	21.85		21.90	0.000091	1.78	6476.04	1214.59	0.11
Hempstead Lake	3699.46*	Max WS	9647.47	5.83	21.86		21.91	0.000101	1.71	6836.06	1262.07	0.10
Hempstead Lake	3662.35*	Max WS	9544.79	5.78	21.86		21.90	0.000095	1.62	7233.96	1271.65	0.10
Hempstead Lake	3625.24*	Max WS	9539.13	5.74	21.86		21.89	0.000088	1.55	7673.71	1310.91	0.09
Hempstead Lake	3588.13*	Max WS	9427.27	5.69	21.86		21.89	0.000083	1.47	8142.75	1352.80	0.08
Hempstead Lake	3551.028	Max WS	9417.55	5.64	21.85		21.88	0.000063	1.43	8639.96	1394.59	0.08
Hempstead Lake	3531.67*	Max WS	9414.82	5.61	21.85		21.88	0.000094	1.44	8394.65	1401.39	0.08
Hempstead Lake	3512.33*	Max WS	9300.39	5.58	21.85		21.88	0.000094	1.47	8135.85	1402.86	0.08
Hempstead Lake	3492.98*	Max WS	9293.55	5.55	21.84		21.87	0.000096	1.52	7869.75	1397.74	0.08
Hempstead Lake	3473.63*	Max WS	9288.92	5.52	21.84		21.87	0.000098	1.57	7600.89	1385.26	0.09
Hempstead Lake	3454.28*	Max WS	9286.64	5.49	21.83		21.87	0.000098	1.62	7351.06	1333.40	0.09
Hempstead Lake	3434.93*	Max WS	9163.25	5.46	21.82		21.86	0.000094	1.65	7113.19	1325.34	0.09
Hempstead Lake	3415.58*	Max WS	9157.40	5.43	21.82		21.86	0.000093	1.70	6879.51	1316.68	0.10
Hempstead Lake	3396.239	Max WS	9153.96	5.40	21.81		21.86	0.000130	1.73	6651.52	1307.84	0.10
Hempstead Lake	3376.88*	Max WS	9042.76	5.37	21.81		21.85	0.000094	1.74	6626.80	1297.69	0.10
Hempstead Lake	3357.52*	Max WS	9035.75	5.34	21.81		21.85	0.000098	1.75	6607.69	1287.11	0.10
Hempstead Lake	3338.16*	Max WS	9030.84	5.32	21.80		21.85	0.000102	1.75	6587.11	1277.07	0.10
Hempstead Lake	3318.80*	Max WS	9028.66	5.29	21.80		21.84	0.000106	1.76	6569.49	1268.41	0.10
Hempstead Lake	3299.44*	Max WS	8914.58	5.26	21.80		21.84	0.000107	1.75	6550.50	1257.33	0.10
Hempstead Lake	3280.08*	Max WS	8908.23	5.23	21.79		21.84	0.000110	1.76	6535.77	1238.69	0.10
Hempstead Lake	3260.73*	Max WS	8904.42	5.21	21.79		21.83	0.000114	1.76	6521.09	1220.74	0.10
Hempstead Lake	3241.37*	Max WS	8787.84	5.18	21.78		21.83	0.000112	1.75	6508.68	1210.96	0.10
Hempstead Lake	3222.01*	Max WS	8779.15	5.15	21.78		21.82	0.000115	1.76	6499.15	1201.59	0.10
Hempstead Lake	3202.65*	Max WS	8772.79	5.12	21.78		21.82	0.000119	1.77	6489.78	1193.42	0.10
Hempstead Lake	3183.29*	Max WS	8768.94	5.10	21.77		21.82	0.000122	1.77	6481.45	1185.42	0.10
Hempstead Lake	3163.93*	Max WS	8653.94	5.07	21.77		21.81	0.000123	1.76	6472.25	1178.52	0.10
Hempstead Lake	3144.581	Max WS	8644.97	5.04	21.76		21.81	0.000110	1.78	6463.79	1171.79	0.10
Hempstead Lake	3124.73*	Max WS	8638.31	5.01	21.76		21.81	0.000101	1.79	6484.09	1204.74	0.10
Hempstead Lake	3104.89*	Max WS	8634.48	4.98	21.76		21.80	0.000100	1.78	6513.14	1264.49	0.10
Hempstead Lake	3085.04*	Max WS	8508.52	4.95	21.75		21.80	0.000096	1.75	6561.87	1369.11	0.10
Hempstead Lake	3065.2*	Max WS	8498.59	4.92	21.75		21.79	0.000095	1.75	6619.36	1414.46	0.10
Hempstead Lake	3045.35*	Max WS	8490.44	4.88	21.75		21.79	0.000091	1.75	6685.29	1461.17	0.09
Hempstead Lake	3025.51*	Max WS	8485.10	4.85	21.74		21.79	0.000090	1.74	6757.79	1488.94	0.09
Hempstead Lake	3005.66*	Max WS	8354.91	4.82	21.74		21.78	0.000086	1.71	6835.73	1511.99	0.09
Hempstead Lake	2985.81*	Max WS	10912.08	4.79	21.74		21.81	0.000140	2.23	6913.90	1537.33	0.12
Hempstead Lake	2965.974	Max WS	10950.71	4.76	21.74		21.81	0.000159	2.21	7001.11	1562.99	0.12
Hempstead Lake	2951.87*	Max WS	10950.08	4.74	21.74		21.80	0.000174	2.18	7055.64	1569.78	0.12
Hempstead Lake	2937.77*	Max WS	10949.51	4.72	21.74		21.80	0.000172	2.16	7107.70	1583.73	0.12

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2923.67*	Max WS	10948.97	4.70	21.74		21.80	0.000169	2.14	7163.02	1594.09	0.12
Hempstead Lake	2909.57*	Max WS	10948.46	4.68	21.73		21.80	0.000166	2.13	7216.34	1601.64	0.11
Hempstead Lake	2895.47*	Max WS	10947.96	4.66	21.73		21.79	0.000163	2.11	7271.50	1607.77	0.11
Hempstead Lake	2881.37*	Max WS	10947.44	4.64	21.73		21.79	0.000160	2.09	7326.48	1612.83	0.11
Hempstead Lake	2867.27*	Max WS	10946.97	4.62	21.73		21.79	0.000158	2.07	7381.62	1614.42	0.11
Hempstead Lake	2853.17*	Max WS	10946.54	4.61	21.73		21.79	0.000155	2.05	7435.36	1615.16	0.11
Hempstead Lake	2839.07*	Max WS	10946.15	4.59	21.73		21.79	0.000152	2.04	7490.18	1615.52	0.11
Hempstead Lake	2824.98*	Max WS	10945.80	4.57	21.73		21.78	0.000149	2.02	7541.85	1615.29	0.11
Hempstead Lake	2810.88*	Max WS	10945.48	4.55	21.73		21.78	0.000147	2.00	7595.65	1622.05	0.11
Hempstead Lake	2796.78*	Max WS	10945.19	4.53	21.72		21.78	0.000145	1.99	7647.85	1627.35	0.11
Hempstead Lake	2782.68*	Max WS	10944.94	4.51	21.72		21.78	0.000142	1.97	7700.94	1653.78	0.11
Hempstead Lake	2768.58*	Max WS	10944.71	4.49	21.72		21.78	0.000140	1.96	7757.44	1680.60	0.11
Hempstead Lake	2754.48*	Max WS	10944.52	4.47	21.72		21.77	0.000137	1.95	7814.93	1706.54	0.10
Hempstead Lake	2740.38*	Max WS	10944.35	4.45	21.72		21.77	0.000135	1.93	7873.53	1742.66	0.10
Hempstead Lake	2726.28*	Max WS	10944.21	4.43	21.72		21.77	0.000134	1.92	7940.11	1787.04	0.10
Hempstead Lake	2712.18*	Max WS	10944.09	4.41	21.72		21.77	0.000131	1.90	7999.40	1755.16	0.10
Hempstead Lake	2698.08*	Max WS	10943.99	4.39	21.72		21.76	0.000128	1.89	8055.20	1718.51	0.10
Hempstead Lake	2683.98*	Max WS	10943.91	4.37	21.71		21.76	0.000125	1.87	8103.53	1674.95	0.10
Hempstead Lake	2669.88*	Max WS	10943.86	4.35	21.71		21.76	0.000123	1.85	8145.05	1631.39	0.10
Hempstead Lake	2655.78*	Max WS	10943.83	4.34	21.71		21.76	0.000120	1.83	8175.08	1587.83	0.10
Hempstead Lake	2641.68*	Max WS	10960.54	4.32	21.71		21.76	0.000118	1.82	8198.37	1544.28	0.10
Hempstead Lake	2627.58*	Max WS	10959.44	4.30	21.71		21.75	0.000116	1.81	8213.49	1500.72	0.10
Hempstead Lake	2613.48*	Max WS	10958.41	4.28	21.71		21.75	0.000114	1.79	8221.99	1457.16	0.10
Hempstead Lake	2599.38*	Max WS	10957.43	4.26	21.71		21.75	0.000111	1.78	8219.97	1413.60	0.10
Hempstead Lake	2585.29*	Max WS	10956.52	4.24	21.71		21.75	0.000110	1.77	8213.65	1370.04	0.10
Hempstead Lake	2571.19*	Max WS	10955.74	4.22	21.70		21.75	0.000108	1.76	8194.98	1326.49	0.09
Hempstead Lake	2557.091	Max WS	10943.97	4.20	21.68		21.71	0.000232	1.65	8138.09	1282.93	0.09
Hempstead Lake	2552.091	Max WS	7433.74	4.09	21.63		21.65	0.000218	1.27	7036.57	1282.93	0.08
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	7433.74	4.09	21.61		21.63	0.000209	1.23	7175.95	1282.93	0.07
Hempstead Lake	2487.091	Max WS	7431.94	4.60	21.64		21.66	0.000092	1.05	8530.88	1282.93	0.06
Hempstead Lake	2477.12*	Max WS	7427.53	4.58	21.64		21.66	0.000043	1.12	8576.96	1295.08	0.06
Hempstead Lake	2467.14*	Max WS	7423.47	4.57	21.64		21.66	0.000044	1.12	8630.30	1307.22	0.06
Hempstead Lake	2457.17*	Max WS	7419.76	4.55	21.64		21.65	0.000044	1.13	8685.69	1319.37	0.06
Hempstead Lake	2447.20*	Max WS	7416.42	4.53	21.63		21.65	0.000045	1.14	8745.68	1331.51	0.06
Hempstead Lake	2437.23*	Max WS	7413.48	4.51	21.63		21.65	0.000069	1.09	8810.54	1343.66	0.06
Hempstead Lake	2427.26*	Max WS	7410.95	4.50	21.63		21.64	0.000068	1.10	8876.73	1355.81	0.06
Hempstead Lake	2417.29*	Max WS	7408.89	4.48	21.63		21.64	0.000067	1.10	8947.96	1367.95	0.06
Hempstead Lake	2407.32*	Max WS	7407.32	4.46	21.62		21.64	0.000046	1.16	9022.49	1380.10	0.06
Hempstead Lake	2397.35*	Max WS	7406.30	4.44	21.62		21.64	0.000046	1.17	9100.76	1392.24	0.06
Hempstead Lake	2387.37*	Max WS	7405.86	4.43	21.62		21.64	0.000047	1.17	9185.45	1404.39	0.06
Hempstead Lake	2377.40*	Max WS	7293.71	4.41	21.62		21.63	0.000045	1.16	9274.81	1416.54	0.06
Hempstead Lake	2367.43*	Max WS	7288.15	4.39	21.61		21.63	0.000046	1.17	9366.94	1426.69	0.06
Hempstead Lake	2357.46*	Max WS	7282.45	4.37	21.61		21.63	0.000045	1.17	9464.93	1431.23	0.06
Hempstead Lake	2347.49*	Max WS	7276.60	4.36	21.61		21.63	0.000045	1.17	9568.07	1427.43	0.06
Hempstead Lake	2337.52*	Max WS	7270.57	4.34	21.61		21.63	0.000045	1.18	9678.83	1426.31	0.06
Hempstead Lake	2327.55*	Max WS	7264.42	4.32	21.61		21.63	0.000044	1.18	9794.31	1433.88	0.06
Hempstead Lake	2317.58*	Max WS	7258.19	4.30	21.61		21.63	0.000044	1.18	9916.31	1441.43	0.06
Hempstead Lake	2307.60*	Max WS	7251.92	4.29	21.61		21.62	0.000043	1.19	10042.73	1449.16	0.06
Hempstead Lake	2297.63*	Max WS	7245.66	4.27	21.61		21.62	0.000043	1.19	10173.13	1457.29	0.06
Hempstead Lake	2287.66*	Max WS	7239.39	4.25	21.61		21.62	0.000042	1.20	10306.67	1465.29	0.06
Hempstead Lake	2277.69*	Max WS	7233.15	4.23	21.61		21.62	0.000041	1.20	10447.00	1473.40	0.06
Hempstead Lake	2267.72*	Max WS	7226.92	4.22	21.61		21.62	0.000041	1.21	10592.08	1481.67	0.06
Hempstead Lake	2257.752	Max WS	7220.69	4.20	21.61		21.62	0.000062	1.00	10745.85	1490.00	0.05
Hempstead Lake	2252.75*	Max WS	7216.87	4.10	21.60		21.62	0.000053	1.13	10630.89	1448.13	0.06
Hempstead Lake	2247.752	Max WS	7213.05	4.00	21.60		21.61	0.000064	1.06	10532.80	1432.94	0.05
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	7213.05	3.80	21.53		21.56	0.000091	1.95	8400.17	1410.20	0.10
Hempstead Lake	2192.75*	Max WS	7210.03	3.75	21.53		21.56	0.000070	1.96	8843.35	1414.36	0.09
Hempstead Lake	2187.752	Max WS	7206.88	3.70	21.53		21.57	0.000057	2.11	9114.22	1418.55	0.10
Hempstead Lake	2178.63*	Max WS	7204.37	3.72	21.52		21.56	0.000059	2.14	8975.09	1415.68	0.10
Hempstead Lake	2169.52*	Max WS	7202.00	3.74	21.52		21.56	0.000061	2.17	8837.18	1413.04	0.10
Hempstead Lake	2160.40*	Max WS	7199.78	3.76	21.52		21.56	0.000063	2.21	8700.57	1410.49	0.10
Hempstead Lake	2151.29*	Max WS	7197.69	3.78	21.51		21.55	0.000066	2.24	8562.09	1408.11	0.11
Hempstead Lake	2142.17*	Max WS	7195.76	3.80	21.50		21.55	0.000069	2.28	8423.83	1405.91	0.11
Hempstead Lake	2133.05*	Max WS	7193.99	3.82	21.50		21.54	0.000072	2.32	8285.82	1404.17	0.11
Hempstead Lake	2123.94*	Max WS	7192.38	3.83	21.49		21.54	0.000075	2.36	8147.14	1401.53	0.11
Hempstead Lake	2114.82*	Max WS	7190.94	3.85	21.48		21.53	0.000078	2.40	8008.03	1399.34	0.12
Hempstead Lake	2105.71*	Max WS	7189.68	3.87	21.47		21.52	0.000082	2.44	7869.62	1397.15	0.12
Hempstead Lake	2096.59*	Max WS	7188.61	3.89	21.46		21.51	0.000086	2.49	7729.08	1395.15	0.12
Hempstead Lake	2087.48*	Max WS	7187.75	3.91	21.44		21.50	0.000090	2.53	7583.39	1393.17	0.12
Hempstead Lake	2078.36*	Max WS	7187.12	3.93	21.43		21.49	0.000094	2.58	7439.75	1391.48	0.13
Hempstead Lake	2069.25*	Max WS	7186.72	3.95	21.41		21.47	0.000099	2.63	7297.48	1391.49	0.13
Hempstead Lake	2060.13*	Max WS	7186.52	3.97	21.39		21.45	0.000105	2.69	7148.52	1391.07	0.13
Hempstead Lake	2051.01*	Max WS	7121.45	3.99	21.36		21.43	0.000109	2.72	6998.61	1390.65	0.14
Hempstead Lake	2041.90*	Max WS	7121.11	4.01	21.34		21.41	0.000115	2.78	6841.17	1389.70	0.14
Hempstead Lake	2032.78*	Max WS	7120.95	4.03	21.30		21.38	0.000122	2.85	6680.40	1388.41	0.14
Hempstead Lake	2023.67*	Max WS	7065.33	4.05	21.26		21.34	0.000129	2.90	6506.18	1386.73	0.15
Hempstead Lake	2014.55*	Max WS	7065.18	4.07	21.22		21.30	0.000137	2.97	6335.20	1384.93	0.15
Hempstead Lake	2005.44*	Max WS	7016.97	4.08	21.19		21.28	0.000144	3.02	6185.65	1383.61	0.15
Hempstead Lake	1996.32*	Max WS	7016.84	4.10	21.16		21.26	0.000153	3.09	6038.75	1382.13	0.16

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	1987.20*	Max WS	6974.02	4.12	21.13		21.23	0.000161	3.15	5885.31	1380.30	0.16
Hempstead Lake	1978.09*	Max WS	6973.87	4.14	21.10		21.20	0.000172	3.23	5732.14	1378.34	0.17
Hempstead Lake	1968.97*	Max WS	6973.81	4.16	21.06		21.17	0.000185	3.31	5576.38	1376.11	0.17
Hempstead Lake	1959.86*	Max WS	6934.32	4.18	21.03		21.14	0.000195	3.38	5422.11	1373.81	0.18
Hempstead Lake	1950.747	Max WS	6934.15	4.20	20.95		21.07	0.000215	3.50	5212.20	1370.01	0.19
Hempstead Lake	1945.747	Max WS	10933.55	4.21	19.64		20.05	0.002017	7.14	3825.15	1226.55	0.50
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	10027.33	4.50	16.78		16.94	0.004190	3.81	3203.22	918.92	0.30
Hempstead Lake	1880.747	Max WS	9952.04	4.45	16.51		16.72	0.000572	3.98	3848.65	896.21	0.28
Hempstead Lake	1848.83*	Max WS	9982.01	2.70	16.62		16.68	0.000136	1.95	6178.09	1031.33	0.11
Hempstead Lake	1816.92*	Max WS	9991.76	0.95	16.65		16.67	0.000064	1.20	9071.00	1092.42	0.06
Hempstead Lake	1785.01*	Max WS	9996.46	-0.80	16.66		16.67	0.000035	0.82	12673.81	1106.97	0.04
Hempstead Lake	1753.104	Max WS	9996.36	-2.55	16.66		16.66	0.000004	0.61	16895.11	1220.87	0.03
Hempstead Lake	1732.65*	Max WS	9996.30	-2.75	16.66		16.66	0.000022	0.60	17107.37	1261.68	0.03
Hempstead Lake	1712.21*	Max WS	9996.23	-2.95	16.66		16.66	0.000021	0.59	17375.64	1306.01	0.03
Hempstead Lake	1691.76*	Max WS	9996.17	-3.14	16.66		16.66	0.000021	0.59	17695.13	1342.03	0.03
Hempstead Lake	1671.32*	Max WS	9996.10	-3.34	16.66		16.66	0.000020	0.58	18063.30	1375.40	0.02
Hempstead Lake	1650.87*	Max WS	9996.03	-3.54	16.66		16.66	0.000019	0.57	18481.32	1408.54	0.02
Hempstead Lake	1630.434	Max WS	9995.97	-3.74	16.66		16.66	0.000003	0.58	18945.26	1437.31	0.02
Hempstead Lake	1610.36*	Max WS	9995.90	-3.49	16.66		16.66	0.000018	0.58	18324.48	1425.51	0.03
Hempstead Lake	1590.30*	Max WS	9995.83	-3.23	16.66		16.66	0.000018	0.61	17705.85	1412.27	0.03
Hempstead Lake	1570.23*	Max WS	9995.75	-2.98	16.66		16.66	0.000018	0.63	17090.10	1397.29	0.03
Hempstead Lake	1550.17*	Max WS	9995.67	-2.73	16.65		16.66	0.000017	0.66	16478.73	1380.41	0.03
Hempstead Lake	1530.10*	Max WS	9995.59	-2.47	16.65		16.66	0.000017	0.69	15869.79	1360.51	0.03
Hempstead Lake	1510.03*	Max WS	9991.82	-2.22	16.65		16.66	0.000015	0.72	15267.31	1340.66	0.03
Hempstead Lake	1489.97*	Max WS	9995.43	-1.96	16.65		16.66	0.000015	0.75	14669.95	1321.14	0.03
Hempstead Lake	1469.90*	Max WS	9991.82	-1.71	16.65		16.66	0.000014	0.78	14078.10	1299.44	0.04
Hempstead Lake	1449.83*	Max WS	9991.81	-1.46	16.65		16.66	0.000012	0.81	13494.57	1273.56	0.04
Hempstead Lake	1429.77*	Max WS	9991.80	-1.20	16.65		16.66	0.000011	0.85	12917.82	1230.23	0.04
Hempstead Lake	1409.707	Max WS	9991.78	-0.95	16.65		16.66	0.000010	0.88	12367.90	1174.39	0.04
Hempstead Lake	1389.03*	Max WS	10850.72	-0.98	16.64		16.66	0.000012	0.97	12348.85	1168.25	0.05
Hempstead Lake	1368.35*	Max WS	10850.69	-1.00	16.64		16.66	0.000012	0.97	12340.63	1202.46	0.05
Hempstead Lake	1347.67*	Max WS	10850.67	-1.03	16.64		16.66	0.000012	0.97	12340.41	1217.09	0.05
Hempstead Lake	1326.99*	Max WS	10850.64	-1.06	16.64		16.66	0.000012	0.97	12341.12	1219.19	0.05
Hempstead Lake	1306.32*	Max WS	10850.62	-1.08	16.64		16.66	0.000012	0.97	12341.73	1216.32	0.05
Hempstead Lake	1285.64*	Max WS	10850.60	-1.11	16.64		16.66	0.000012	0.97	12342.86	1209.80	0.05
Hempstead Lake	1264.96*	Max WS	10850.58	-1.14	16.64		16.66	0.000012	0.97	12341.77	1201.22	0.05
Hempstead Lake	1244.28*	Max WS	10850.56	-1.16	16.64		16.66	0.000012	0.98	12341.58	1191.95	0.05
Hempstead Lake	1223.61*	Max WS	10850.54	-1.19	16.64		16.66	0.000012	0.98	12340.88	1181.11	0.05
Hempstead Lake	1202.93*	Max WS	10850.52	-1.22	16.64		16.66	0.000012	0.98	12339.64	1169.20	0.05
Hempstead Lake	1182.25*	Max WS	10850.50	-1.24	16.64		16.66	0.000012	0.98	12337.47	1156.54	0.05
Hempstead Lake	1161.57*	Max WS	10850.49	-1.27	16.64		16.66	0.000012	0.98	12335.50	1142.91	0.05
Hempstead Lake	1140.90*	Max WS	10850.47	-1.30	16.64		16.66	0.000012	0.99	12333.51	1128.32	0.05
Hempstead Lake	1120.22*	Max WS	10850.45	-1.32	16.64		16.66	0.000013	0.99	12333.21	1120.87	0.05
Hempstead Lake	1099.54*	Max WS	10850.44	-1.35	16.64		16.65	0.000013	0.99	12328.45	1113.32	0.05
Hempstead Lake	1078.87*	Max WS	10850.42	-1.38	16.64		16.65	0.000013	0.99	12321.79	1105.96	0.05
Hempstead Lake	1058.19*	Max WS	10850.40	-1.40	16.64		16.65	0.000013	0.99	12315.82	1098.76	0.05
Hempstead Lake	1037.515	Max WS	10850.39	-1.43	16.64		16.65	0.000011	0.97	12308.40	1091.60	0.04
Hempstead Lake	1017.08*	Max WS	10855.34	-1.35	16.64		16.65	0.000014	0.99	12275.03	1084.20	0.05
Hempstead Lake	996.645*	Max WS	10855.32	-1.28	16.64		16.65	0.000017	0.99	12241.11	1076.94	0.05
Hempstead Lake	976.210*	Max WS	10855.30	-1.20	16.64		16.65	0.000019	0.99	12205.03	1069.57	0.05
Hempstead Lake	955.775*	Max WS	10855.28	-1.13	16.64		16.65	0.000023	0.99	12168.06	1064.23	0.04
Hempstead Lake	935.340*	Max WS	10855.27	-1.05	16.64		16.65	0.000026	0.99	12128.41	1059.18	0.04
Hempstead Lake	914.905*	Max WS	10855.25	-0.98	16.64		16.65	0.000030	0.99	12088.43	1052.71	0.04
Hempstead Lake	894.471*	Max WS	10855.23	-0.90	16.64		16.65	0.000034	0.98	12045.20	1045.98	0.04
Hempstead Lake	874.036*	Max WS	10855.22	-0.83	16.64		16.65	0.000038	0.98	12000.72	1038.90	0.04
Hempstead Lake	853.601*	Max WS	10855.20	-0.75	16.64		16.65	0.000041	0.98	11954.93	1032.24	0.04
Hempstead Lake	833.166*	Max WS	10855.19	-0.68	16.63		16.65	0.000046	0.97	11906.72	1027.54	0.04
Hempstead Lake	812.731*	Max WS	10855.18	-0.60	16.63		16.65	0.000050	0.97	11857.67	1035.37	0.04
Hempstead Lake	792.296*	Max WS	10855.16	-0.53	16.63		16.65	0.000055	0.97	11810.69	1047.32	0.04
Hempstead Lake	771.862	Max WS	10855.15	-0.45	16.63		16.65	0.000011	1.03	11762.38	1047.36	0.05
Hempstead Lake	750.331*	Max WS	10857.45	-0.53	16.63		16.65	0.000058	1.00	11436.03	1053.34	0.04
Hempstead Lake	728.8*	Max WS	10857.43	-0.61	16.63		16.64	0.000059	1.05	11111.60	1059.08	0.05
Hempstead Lake	707.269*	Max WS	10857.41	-0.69	16.63		16.64	0.000058	1.09	10792.52	1058.60	0.05
Hempstead Lake	685.738*	Max WS	10857.40	-0.77	16.62		16.64	0.000056	1.13	10477.34	1049.90	0.05
Hempstead Lake	664.207*	Max WS	10857.38	-0.85	16.62		16.64	0.000053	1.17	10167.24	1034.38	0.05
Hempstead Lake	642.676*	Max WS	10857.35	-0.93	16.62		16.64	0.000051	1.20	9864.46	1021.80	0.06
Hempstead Lake	621.145*	Max WS	10857.32	-1.02	16.62		16.64	0.000047	1.24	9564.75	1021.46	0.06
Hempstead Lake	599.614*	Max WS	10857.28	-1.10	16.61		16.64	0.000042	1.27	9271.82	1017.32	0.06
Hempstead Lake	578.083*	Max WS	10857.25	-1.18	16.61		16.64	0.000037	1.29	8984.70	1005.37	0.06
Hempstead Lake	556.552*	Max WS	10857.22	-1.26	16.61		16.64	0.000033	1.32	8706.33	974.62	0.06
Hempstead Lake	535.021*	Max WS	10857.20	-1.34	16.61		16.64	0.000027	1.33	8449.53	870.64	0.06
Hempstead Lake	513.490	Max WS	10857.18	-1.42	16.61		16.63	0.000021	1.33	8309.71	678.84	0.06
Hempstead Lake	493.038*	Max WS	10860.88	-1.03	16.60		16.63	0.000049	1.44	7726.03	661.52	0.07
Hempstead Lake	472.587*	Max WS	10860.86	-0.65	16.60		16.63	0.000065	1.55	7159.22	644.11	0.08
Hempstead Lake	452.136*	Max WS	10860.85	-0.26	16.59		16.63	0.000087	1.68	6606.34	626.56	0.09
Hempstead Lake	431.685*	Max WS	10860.83	0.12	16.58		16.63	0.000117	1.83	6069.28	608.94	0.10
Hempstead Lake	411.234*	Max WS	10860.81	0.51	16.57		16.63	0.000153	1.99	5547.74	591.15	0.11
Hempstead Lake	390.783*	Max WS	10860.80	0.90	16.55		16.62	0.000207	2.19	5038.94	573.10	0.13
Hempstead Lake	370.332*	Max WS	10860.78	1.28	16.53		16.62	0.000281	2.42	4545.26	554.71	0.14
Hempstead Lake	349.881*	Max WS	10860.76	1.67	16.50		16.61	0.000384	2.71	4063.41	535.57	0.17

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	329.430*	Max WS	10860.74	2.05	16.46		16.60	0.000533	3.05	3595.43	516.51	0.20
Hempstead Lake	308.979*	Max WS	10860.73	2.44	16.40		16.59	0.000738	3.49	3133.97	498.19	0.24
Hempstead Lake	288.528*	Max WS	10860.71	2.83	16.32		16.57	0.001034	4.08	2677.45	479.38	0.30
Hempstead Lake	268.077*	Max WS	10860.70	3.21	16.18		16.55	0.001472	4.91	2216.75	459.18	0.39
Hempstead Lake	247.626*	Max WS	10860.68	3.60	15.90		16.52	0.002194	6.32	1719.77	425.05	0.55
Hempstead Lake	227.175*	Max WS	10860.67	3.98	15.27		16.49	0.003382	8.85	1226.91	163.61	0.57
Hempstead Lake	206.724	Max WS	10860.66	4.37	14.95		16.42	0.002619	9.73	1115.76	144.81	0.62
Hempstead Lake	201.724	Max WS	10860.66	4.37	15.45	11.29	16.40	0.001536	7.83	1387.24	163.72	0.47
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	10860.66	1.00	12.61		13.42	0.000998	7.45	1520.86	148.88	0.39
Hempstead Lake	166.724	Max WS	10860.66	1.00	12.61	7.38	13.41	0.001000	7.45	1519.96	148.86	0.40

80% PR 1/2 PMF BREACH 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	40.20	40.18	0.02	0.00		187.42	3488.66	2612.41	694.75
Hempstead Lake	15523.7*	Max WS	40.20	40.18	0.02	0.00		421.67	3378.39	2477.09	685.27
Hempstead Lake	15503.5*	Max WS	40.19	40.18	0.02	0.00		402.97	3417.42	2456.76	677.91
Hempstead Lake	15483.3*	Max WS	40.19	40.17	0.02	0.00		381.18	3474.73	2421.22	678.36
Hempstead Lake	15463.0*	Max WS	40.19	40.17	0.02	0.00		360.45	3525.44	2380.06	680.36
Hempstead Lake	15442.8*	Max WS	40.19	40.17	0.02	0.00		346.26	3575.77	2343.91	682.20
Hempstead Lake	15422.5*	Max WS	40.19	40.17	0.02	0.00		327.53	3624.11	2314.27	683.72
Hempstead Lake	15402.3*	Max WS	40.18	40.17	0.02	0.00		308.71	3668.30	2288.87	684.99
Hempstead Lake	15382.1*	Max WS	40.18	40.17	0.02	0.00		295.72	3698.41	2260.75	685.92
Hempstead Lake	15361.8*	Max WS	40.18	40.16	0.02	0.00		278.29	3733.73	2242.85	686.52
Hempstead Lake	15341.6*	Max WS	40.18	40.16	0.02	0.00		266.27	3761.24	2227.34	686.69
Hempstead Lake	15321.4*	Max WS	40.18	40.16	0.02	0.00		249.20	3787.17	2218.45	686.31
Hempstead Lake	15301.1*	Max WS	40.18	40.16	0.02	0.00		232.09	3807.01	2215.68	685.46
Hempstead Lake	15280.9*	Max WS	40.18	40.16	0.02	0.00		220.64	3818.38	2215.73	683.99
Hempstead Lake	15260.7*	Max WS	40.18	40.16	0.02	0.00		204.12	3825.18	2225.40	681.62
Hempstead Lake	15240.4*	Max WS	40.18	40.16	0.02	0.00		187.53	3823.46	2243.67	677.95
Hempstead Lake	15220.2*	Max WS	40.18	40.16	0.02	0.00		176.37	3816.10	2262.13	675.33
Hempstead Lake	15200.02	Max WS	40.18	40.16	0.02	0.00		160.80	3821.08	2272.65	677.17
Hempstead Lake	15180.7*	Max WS	40.18	40.16	0.02	0.00		180.45	4014.83	2048.76	702.51
Hempstead Lake	15161.4*	Max WS	40.18	40.16	0.01	0.00		200.85	4211.03	1842.56	734.91
Hempstead Lake	15142.1*	Max WS	40.18	40.16	0.01	0.00		218.92	4364.87	1670.62	764.60
Hempstead Lake	15122.8*	Max WS	40.18	40.16	0.01	0.00		235.41	4492.48	1526.49	792.27
Hempstead Lake	15103.5*	Max WS	40.17	40.16	0.01	0.00		251.22	4597.24	1405.90	817.71
Hempstead Lake	15084.2*	Max WS	40.17	40.17	0.01	0.00		270.28	4678.81	1305.26	839.81
Hempstead Lake	15064.9*	Max WS	40.17	40.17	0.01	0.00		282.56	4760.83	1221.19	861.57
Hempstead Lake	15045.6*	Max WS	40.17	40.17	0.01	0.00		292.56	4826.53	1145.42	882.86
Hempstead Lake	15026.4*	Max WS	40.17	40.17	0.01	0.00		302.37	4884.80	1077.27	903.85
Hempstead Lake	15007.1*	Max WS	40.17	40.17	0.01	0.00		310.41	4929.11	1014.82	924.67
Hempstead Lake	14987.82	Max WS	40.17	40.17	0.01	0.00		131.60	5140.90	991.82	945.31
Hempstead Lake	14966.6*	Max WS	40.17	40.17	0.01	0.00		181.97	5239.66	881.27	963.17
Hempstead Lake	14945.4*	Max WS	40.17	40.17	0.01	0.00		160.56	5357.50	784.76	980.63
Hempstead Lake	14924.3*	Max WS	40.17	40.17	0.00	0.00		139.92	5457.08	696.00	997.72
Hempstead Lake	14903.1*	Max WS	40.17	40.17	0.00	0.00		120.90	5564.82	616.98	1014.34
Hempstead Lake	14882.*	Max WS	40.17	40.17	0.00	0.00		103.18	5655.13	544.31	1030.02
Hempstead Lake	14860.8*	Max WS	40.17	40.17	0.00	0.00		85.27	5738.87	478.40	1046.81
Hempstead Lake	14839.6*	Max WS	40.17	40.17	0.00	0.00		69.06	5805.59	418.35	1062.32
Hempstead Lake	14818.5*	Max WS	40.17	40.17	0.00	0.00		55.13	5882.52	364.73	1076.13
Hempstead Lake	14797.35	Max WS	40.17	40.17	0.00	0.00		19.79	6151.50	131.00	1245.13
Hempstead Lake	14777.4*	Max WS	40.17	40.17	0.00	0.00		47.24	5953.55	292.22	1209.08
Hempstead Lake	14757.4*	Max WS	40.17	40.17	0.00	0.00		50.75	5975.49	275.90	1122.32
Hempstead Lake	14737.5*	Max WS	40.17	40.17	0.00	0.00		52.98	5984.27	255.75	1135.10
Hempstead Lake	14717.5*	Max WS	40.17	40.17	0.00	0.00		57.78	5994.50	240.71	1149.25
Hempstead Lake	14697.6*	Max WS	40.17	40.17	0.00	0.00		62.57	6012.53	226.80	1162.94
Hempstead Lake	14677.6*	Max WS	40.17	40.17	0.00	0.00		67.25	6021.55	213.03	1176.48
Hempstead Lake	14657.7*	Max WS	40.17	40.17	0.00	0.00		70.55	6034.04	197.18	1190.22
Hempstead Lake	14637.7*	Max WS	40.17	40.17	0.00	0.00		73.22	6043.33	185.12	1206.00
Hempstead Lake	14617.8*	Max WS	40.17	40.17	0.00	0.00		72.55	6055.08	173.97	1223.34
Hempstead Lake	14597.8*	Max WS	40.17	40.17	0.00	0.00		73.59	6056.08	163.33	1241.39
Hempstead Lake	14577.9*	Max WS	40.17	40.17	0.00	0.00		73.47	6068.57	150.96	1260.95
Hempstead Lake	14557.9*	Max WS	40.17	40.17	0.00	0.00		76.40	6082.99	141.98	1285.71
Hempstead Lake	14538.0*	Max WS	40.17	40.17	0.00	0.00		78.74	6089.04	133.50	1312.36
Hempstead Lake	14518.0*	Max WS	40.17	40.17	0.00	0.00		78.75	6099.07	123.37	1345.80
Hempstead Lake	14498.1*	Max WS	40.17	40.17	0.00	0.00		77.44	6107.83	115.85	1498.41
Hempstead Lake	14478.1*	Max WS	40.17	40.17	0.00	0.00		78.37	6113.17	109.49	1597.51
Hempstead Lake	14458.2*	Max WS	40.17	40.17	0.00	0.00		79.01	6111.33	110.59	1640.73
Hempstead Lake	14438.2*	Max WS	40.17	40.17	0.00	0.00		77.21	6115.25	108.39	1718.73
Hempstead Lake	14418.3*	Max WS	40.17	40.17	0.00	0.00		77.90	6114.36	108.49	1737.44
Hempstead Lake	14398.37	Max WS	40.17	40.17	0.00	0.00		25.77	6165.87	109.03	1754.38
Hempstead Lake	14378.3*	Max WS	40.17	40.17	0.00	0.00		29.31	6156.27	115.02	1732.79
Hempstead Lake	14358.3*	Max WS	40.17	40.17	0.00	0.00		32.80	6146.43	121.28	1711.41
Hempstead Lake	14338.2*	Max WS	40.17	40.17	0.00	0.00		36.44	6136.14	127.83	1690.30
Hempstead Lake	14318.2*	Max WS	40.17	40.17	0.00	0.00		40.03	6125.60	134.71	1669.80
Hempstead Lake	14298.2*	Max WS	40.17	40.17	0.00	0.00		43.53	6114.72	142.01	1649.62
Hempstead Lake	14278.1*	Max WS	40.17	40.17	0.00	0.00		47.05	6103.37	149.76	1629.95
Hempstead Lake	14258.1*	Max WS	40.17	40.17	0.00	0.00		50.48	6091.75	157.88	1610.75
Hempstead Lake	14238.1*	Max WS	40.17	40.17	0.00	0.00		53.77	6079.80	166.47	1592.43
Hempstead Lake	14218.0*	Max WS	40.17	40.17	0.00	0.00		56.86	6067.54	175.56	1574.98
Hempstead Lake	14198.0*	Max WS	40.17	40.17	0.00	0.00		59.76	6054.79	185.34	1558.58
Hempstead Lake	14178.0*	Max WS	40.17	40.17	0.00	0.00		62.42	6041.76	195.66	1543.53
Hempstead Lake	14157.9*	Max WS	40.17	40.17	0.00	0.00		64.76	6028.22	206.79	1530.27
Hempstead Lake	14137.9*	Max WS	40.17	40.17	0.00	0.00		66.82	6013.61	219.27	1517.46
Hempstead Lake	14117.9*	Max WS	40.17	40.17	0.00	0.00		68.46	5997.18	233.99	1540.77

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	40.17	40.17	0.00	0.00		70.21	5979.28	250.08	1570.58
Hempstead Lake	14077.8*	Max WS	40.17	40.17	0.00	0.00		72.19	5959.78	267.54	1575.40
Hempstead Lake	14057.8*	Max WS	40.17	40.17	0.00	0.00		74.31	5939.22	285.94	1571.83
Hempstead Lake	14037.7*	Max WS	40.17	40.17	0.00	0.00		76.14	5915.32	307.94	1559.21
Hempstead Lake	14017.75	Max WS	40.17	40.17	0.00	0.00		77.21	5891.07	331.07	1544.09
Hempstead Lake	13998.2*	Max WS	40.17	40.17	0.00	0.00		159.40	5731.71	408.20	1537.92
Hempstead Lake	13978.6*	Max WS	40.17	40.17	0.00	0.00		160.01	5759.10	380.16	1531.58
Hempstead Lake	13959.1*	Max WS	40.17	40.17	0.00	0.00		157.86	5785.28	356.09	1521.64
Hempstead Lake	13939.6*	Max WS	40.17	40.17	0.00	0.00		155.40	5810.76	333.04	1511.43
Hempstead Lake	13920.0*	Max WS	40.17	40.17	0.00	0.00		150.48	5841.74	306.94	1502.16
Hempstead Lake	13900.5*	Max WS	40.17	40.17	0.00	0.00		147.61	5864.47	287.03	1492.38
Hempstead Lake	13881.*	Max WS	40.17	40.17	0.00	0.00		144.03	5884.54	270.53	1478.19
Hempstead Lake	13861.4*	Max WS	40.17	40.17	0.00	0.00		140.18	5909.28	249.60	1466.60
Hempstead Lake	13841.9*	Max WS	40.17	40.17	0.00	0.00		135.84	5928.95	234.25	1457.31
Hempstead Lake	13822.3*	Max WS	40.17	40.17	0.00	0.00		129.12	5954.20	215.70	1449.34
Hempstead Lake	13802.8*	Max WS	40.17	40.17	0.00	0.00		124.28	5973.52	201.19	1443.49
Hempstead Lake	13783.3*	Max WS	40.17	40.17	0.00	0.00		117.54	5997.25	184.18	1438.24
Hempstead Lake	13763.7*	Max WS	40.17	40.17	0.00	0.00		111.85	6017.33	169.77	1434.08
Hempstead Lake	13744.2*	Max WS	40.17	40.17	0.00	0.00		107.02	6037.89	154.02	1430.92
Hempstead Lake	13724.7*	Max WS	40.17	40.17	0.00	0.00		101.70	6060.18	141.13	1428.85
Hempstead Lake	13705.1*	Max WS	40.17	40.17	0.00	0.00		93.93	6083.53	125.46	1427.14
Hempstead Lake	13685.63	Max WS	40.17	40.17	0.00	0.00		66.25	6147.72	84.93	1426.39
Hempstead Lake	13666.4*	Max WS	40.17	40.17	0.00	0.00		84.46	6096.86	117.57	1442.67
Hempstead Lake	13647.1*	Max WS	40.17	40.17	0.00	0.00		82.57	6096.08	120.21	1462.22
Hempstead Lake	13627.9*	Max WS	40.17	40.17	0.00	0.00		82.48	6094.39	125.68	1464.53
Hempstead Lake	13608.7*	Max WS	40.17	40.17	0.00	0.00		84.01	6087.04	127.80	1461.55
Hempstead Lake	13589.5*	Max WS	40.17	40.17	0.00	0.00		86.22	6085.58	130.56	1458.66
Hempstead Lake	13570.2*	Max WS	40.17	40.17	0.00	0.00		87.95	6082.12	132.19	1455.56
Hempstead Lake	13551.0*	Max WS	40.17	40.17	0.00	0.00		90.88	6074.65	136.64	1452.12
Hempstead Lake	13531.8*	Max WS	40.17	40.17	0.00	0.00		92.63	6072.03	137.44	1449.05
Hempstead Lake	13512.6*	Max WS	40.17	40.17	0.00	0.00		94.93	6068.51	138.57	1446.29
Hempstead Lake	13493.3*	Max WS	40.17	40.17	0.00	0.00		96.31	6067.58	138.02	1443.79
Hempstead Lake	13474.1*	Max WS	40.17	40.17	0.00	0.00		98.27	6065.63	137.93	1441.58
Hempstead Lake	13454.9*	Max WS	40.17	40.17	0.00	0.00		99.64	6064.70	137.41	1439.67
Hempstead Lake	13435.72	Max WS	40.17	40.17	0.00	0.00		85.19	5909.39	307.10	1438.04
Hempstead Lake	13419.3*	Max WS	40.17	40.17	0.00	0.00		94.92	6079.76	126.93	1442.17
Hempstead Lake	13403.0*	Max WS	40.17	40.17	0.00	0.00		101.33	6076.31	121.25	1446.26
Hempstead Lake	13386.6*	Max WS	40.17	40.17	0.00	0.00		107.34	6079.76	114.39	1450.37
Hempstead Lake	13370.3*	Max WS	40.17	40.17	0.00	0.00		111.73	6083.96	105.74	1454.41
Hempstead Lake	13354.*	Max WS	40.17	40.17	0.00	0.00		117.87	6084.93	98.56	1458.41
Hempstead Lake	13337.6*	Max WS	40.17	40.17	0.00	0.00		123.38	6086.96	90.97	1462.42
Hempstead Lake	13321.3*	Max WS	40.17	40.17	0.00	0.00		129.34	6088.35	83.56	1466.35
Hempstead Lake	13304.9*	Max WS	40.17	40.17	0.00	0.00		134.72	6090.52	75.95	1470.27
Hempstead Lake	13288.6*	Max WS	40.17	40.17	0.00	0.00		140.56	6091.87	68.71	1474.17
Hempstead Lake	13272.29	Max WS	40.17	40.17	0.00	0.00		124.15	6127.67	49.25	1478.03
Hempstead Lake	13255.0*	Max WS	40.17	40.17	0.00	0.00		124.59	6124.92	51.50	1479.26
Hempstead Lake	13237.8*	Max WS	40.17	40.17	0.00	0.00		126.75	6120.60	53.60	1480.39
Hempstead Lake	13220.5*	Max WS	40.17	40.17	0.00	0.00		128.55	6116.85	55.50	1481.40
Hempstead Lake	13203.3*	Max WS	40.17	40.17	0.00	0.00		127.63	6117.13	56.10	1482.27
Hempstead Lake	13186.0*	Max WS	40.17	40.17	0.00	0.00		129.14	6113.79	57.86	1483.01
Hempstead Lake	13168.8*	Max WS	40.17	40.17	0.00	0.00		130.86	6110.22	59.66	1483.61
Hempstead Lake	13151.6*	Max WS	40.17	40.17	0.00	0.00		132.63	6106.62	61.43	1484.13
Hempstead Lake	13134.3*	Max WS	40.17	40.17	0.00	0.00		133.65	6104.07	62.91	1484.53
Hempstead Lake	13117.1*	Max WS	40.17	40.17	0.00	0.00		134.94	6101.17	64.46	1484.77
Hempstead Lake	13099.8*	Max WS	40.17	40.17	0.00	0.00		133.45	6102.38	64.68	1484.81
Hempstead Lake	13082.6*	Max WS	40.17	40.17	0.00	0.00		133.99	6100.63	65.86	1484.72
Hempstead Lake	13065.3*	Max WS	40.17	40.17	0.00	0.00		134.27	6099.24	66.93	1484.44
Hempstead Lake	13048.1*	Max WS	40.17	40.17	0.00	0.00		134.75	6097.44	68.20	1483.85
Hempstead Lake	13030.9*	Max WS	40.17	40.17	0.00	0.00		134.44	6096.86	69.03	1482.80
Hempstead Lake	13013.6*	Max WS	40.17	40.16	0.00	0.00		133.71	6096.75	69.84	1481.55
Hempstead Lake	12996.4*	Max WS	40.17	40.16	0.00	0.00		131.76	6098.53	69.95	1480.00
Hempstead Lake	12979.1*	Max WS	40.17	40.16	0.00	0.00		130.62	6099.04	70.54	1478.19
Hempstead Lake	12961.9*	Max WS	40.17	40.16	0.00	0.00		129.24	6099.81	71.11	1476.20
Hempstead Lake	12944.7*	Max WS	40.17	40.16	0.00	0.00		128.94	6098.85	72.33	1473.76
Hempstead Lake	12927.4*	Max WS	40.17	40.16	0.00	0.00		127.09	6100.22	72.78	1470.96
Hempstead Lake	12910.2*	Max WS	40.17	40.16	0.00	0.00		125.05	6101.65	73.36	1467.84
Hempstead Lake	12892.97	Max WS	40.17	40.16	0.00	0.00		88.02	6122.05	89.96	1464.43
Hempstead Lake	12881.0*	Max WS	40.17	40.16	0.00	0.00		108.61	7207.45	66.31	1460.96
Hempstead Lake	12869.1*	Max WS	40.17	40.16	0.00	0.00		108.43	7206.59	67.31	1457.10
Hempstead Lake	12857.1*	Max WS	40.17	40.16	0.00	0.00		108.14	7205.73	68.42	1453.27
Hempstead Lake	12845.2*	Max WS	40.17	40.16	0.00	0.00		107.92	7204.70	69.63	1449.15
Hempstead Lake	12833.3*	Max WS	40.17	40.16	0.00	0.00		107.66	7203.68	70.88	1444.80

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	40.17	40.16	0.00	0.00		107.49	7202.39	72.29	1440.42
Hempstead Lake	12809.4*	Max WS	40.17	40.16	0.00	0.00		107.27	7201.09	73.78	1436.20
Hempstead Lake	12797.5*	Max WS	40.17	40.16	0.00	0.00		107.00	7199.88	75.24	1432.36
Hempstead Lake	12785.6*	Max WS	40.17	40.16	0.00	0.00		106.69	7198.68	76.70	1428.42
Hempstead Lake	12773.7*	Max WS	40.17	40.16	0.00	0.00		106.44	7197.37	78.23	1424.68
Hempstead Lake	12761.7*	Max WS	40.17	40.16	0.00	0.00		106.15	7196.11	79.75	1421.28
Hempstead Lake	12749.8*	Max WS	40.17	40.16	0.00	0.00		105.91	7194.83	81.24	1418.31
Hempstead Lake	12737.9*	Max WS	40.17	40.16	0.00	0.00		105.66	7193.58	82.70	1415.52
Hempstead Lake	12726.0*	Max WS	40.17	40.16	0.00	0.00		105.37	7192.61	83.95	1413.23
Hempstead Lake	12714.0*	Max WS	40.17	40.16	0.00	0.00		105.03	7191.64	85.22	1411.04
Hempstead Lake	12702.1*	Max WS	40.17	40.16	0.00	0.00		104.75	7190.58	86.53	1408.82
Hempstead Lake	12690.2*	Max WS	40.17	40.16	0.00	0.00		104.40	7189.64	87.80	1406.62
Hempstead Lake	12678.3*	Max WS	40.17	40.16	0.00	0.00		104.21	7188.37	89.23	1404.52
Hempstead Lake	12666.3*	Max WS	40.17	40.16	0.00	0.00		103.86	7187.40	90.51	1402.36
Hempstead Lake	12654.4*	Max WS	40.17	40.16	0.00	0.00		103.54	7186.39	91.82	1400.21
Hempstead Lake	12642.5*	Max WS	40.17	40.16	0.00	0.00		103.23	7185.33	93.15	1398.17
Hempstead Lake	12630.6*	Max WS	40.17	40.16	0.00	0.00		102.90	7184.35	94.43	1396.07
Hempstead Lake	12618.6*	Max WS	40.17	40.16	0.00	0.00		102.61	7183.16	95.89	1394.01
Hempstead Lake	12606.7*	Max WS	40.17	40.16	0.00	0.00		102.26	7182.23	97.14	1391.99
Hempstead Lake	12594.8*	Max WS	40.17	40.16	0.00	0.00		101.92	7181.14	98.54	1389.96
Hempstead Lake	12582.9*	Max WS	40.17	40.16	0.00	0.00		101.58	7180.18	99.82	1387.91
Hempstead Lake	12570.9*	Max WS	40.17	40.16	0.00	0.00		101.17	7179.23	101.15	1385.93
Hempstead Lake	12559.0*	Max WS	40.17	40.16	0.00	0.00		100.85	7178.11	102.56	1383.94
Hempstead Lake	12547.1*	Max WS	40.17	40.16	0.00	0.00		100.58	7177.07	103.86	1381.93
Hempstead Lake	12535.2*	Max WS	40.17	40.16	0.00	0.00		100.15	7176.13	105.21	1380.01
Hempstead Lake	12523.27	Max WS	40.17	40.16	0.00	0.00		99.89	7179.94	101.64	1378.02
Hempstead Lake	12515.8*	Max WS	40.17	40.16	0.00	0.00		160.95	7598.47	104.88	1364.43
Hempstead Lake	12508.3*	Max WS	40.17	40.16	0.00	0.00		172.29	7590.78	101.21	1350.79
Hempstead Lake	12500.9*	Max WS	40.17	40.16	0.00	0.00		180.98	7586.10	97.18	1337.11
Hempstead Lake	12493.4*	Max WS	40.17	40.16	0.00	0.00		189.56	7582.15	92.55	1323.33
Hempstead Lake	12486.0*	Max WS	40.17	40.16	0.00	0.00		200.64	7576.00	87.60	1309.32
Hempstead Lake	12478.5*	Max WS	40.17	40.16	0.00	0.00		208.84	7573.20	82.19	1295.24
Hempstead Lake	12471.1*	Max WS	40.17	40.16	0.00	0.00		216.48	7571.05	76.67	1280.96
Hempstead Lake	12463.7*	Max WS	40.16	40.16	0.00	0.00		227.35	7566.07	70.77	1266.85
Hempstead Lake	12456.2*	Max WS	40.16	40.16	0.00	0.00		234.62	7564.83	64.74	1252.85
Hempstead Lake	12448.8*	Max WS	40.16	40.16	0.00	0.00		241.35	7564.32	58.49	1238.82
Hempstead Lake	12441.3*	Max WS	40.16	40.16	0.00	0.00		251.75	7559.94	52.47	1224.54
Hempstead Lake	12433.9*	Max WS	40.16	40.16	0.00	0.00		262.23	7554.68	47.23	1210.05
Hempstead Lake	12426.4*	Max WS	40.16	40.16	0.00	0.00		267.88	7554.94	41.31	1195.42
Hempstead Lake	12419.0*	Max WS	40.16	40.16	0.00	0.00		277.30	7551.32	35.50	1180.55
Hempstead Lake	12411.5*	Max WS	40.16	40.16	0.00	0.00		282.15	7551.89	30.06	1165.58
Hempstead Lake	12404.1*	Max WS	40.16	40.16	0.00	0.00		286.45	7552.66	24.99	1150.41
Hempstead Lake	12396.6*	Max WS	40.16	40.16	0.00	0.00		290.07	7553.65	20.37	1134.40
Hempstead Lake	12389.2*	Max WS	40.16	40.16	0.00	0.00		298.18	7549.73	16.17	1118.20
Hempstead Lake	12381.8*	Max WS	40.16	40.16	0.00	0.00		304.50	7546.89	12.67	1101.67
Hempstead Lake	12374.3*	Max WS	40.16	40.16	0.00	0.00		305.93	7548.70	9.42	1084.99
Hempstead Lake	12366.9*	Max WS	40.16	40.16	0.00	0.00		312.14	7545.22	6.69	1067.85
Hempstead Lake	12359.46	Max WS	40.16	40.16	0.00	0.00		139.83	7722.18	2.03	1050.49
Hempstead Lake	12349.5*	Max WS	40.16	40.16	0.00	0.00		328.78	7850.15	5.12	1035.63
Hempstead Lake	12339.7*	Max WS	40.16	40.16	0.00	0.00		332.24	7846.26	5.55	1020.77
Hempstead Lake	12329.8*	Max WS	40.16	40.16	0.00	0.00		327.68	7850.35	5.99	1005.92
Hempstead Lake	12320.*	Max WS	40.16	40.16	0.00	0.00		330.96	7846.59	6.46	990.98
Hempstead Lake	12310.1*	Max WS	40.16	40.16	0.00	0.00		334.31	7842.74	6.95	976.02
Hempstead Lake	12300.2*	Max WS	40.16	40.16	0.00	0.00		337.20	7839.32	7.46	961.00
Hempstead Lake	12290.4*	Max WS	40.16	40.16	0.00	0.00		337.42	7838.57	7.98	945.99
Hempstead Lake	12280.5*	Max WS	40.16	40.16	0.01	0.00		340.31	7835.10	8.54	930.91
Hempstead Lake	12270.6*	Max WS	40.16	40.16	0.01	0.00		338.05	7836.76	9.12	915.78
Hempstead Lake	12260.8*	Max WS	40.16	40.16	0.01	0.00		340.80	7833.39	9.72	900.62
Hempstead Lake	12250.9*	Max WS	40.16	40.16	0.01	0.00		343.18	7830.33	10.40	885.43
Hempstead Lake	12241.0*	Max WS	40.16	40.16	0.01	0.00		342.51	7830.43	10.95	870.19
Hempstead Lake	12231.2*	Max WS	40.16	40.16	0.01	0.00		344.68	7827.58	11.61	854.91
Hempstead Lake	12221.3*	Max WS	40.16	40.16	0.01	0.00		342.10	7829.45	12.31	839.58
Hempstead Lake	12211.4*	Max WS	40.16	40.15	0.01	0.00		343.94	7826.85	13.05	824.32
Hempstead Lake	12201.6*	Max WS	40.16	40.15	0.01	0.00		345.45	7824.61	13.76	809.03
Hempstead Lake	12191.7*	Max WS	40.16	40.15	0.01	0.00		343.58	7825.86	14.37	793.76
Hempstead Lake	12181.8*	Max WS	40.16	40.15	0.01	0.00		344.70	7823.99	15.10	778.47
Hempstead Lake	12172.0*	Max WS	40.16	40.15	0.01	0.00		341.72	7826.14	15.92	763.05
Hempstead Lake	12162.1*	Max WS	40.16	40.15	0.01	0.00		342.15	7824.94	16.68	747.82
Hempstead Lake	12152.2*	Max WS	40.16	40.15	0.01	0.00		339.43	7827.06	17.27	732.68
Hempstead Lake	12142.4*	Max WS	40.16	40.15	0.01	0.00		309.08	7858.25	16.42	717.52
Hempstead Lake	12132.5*	Max WS	40.16	40.15	0.01	0.00		306.95	7859.69	17.09	702.04
Hempstead Lake	12122.7*	Max WS	40.16	40.15	0.01	0.00		304.30	7861.59	17.83	686.45

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12112.8*	Max WS	40.16	40.15	0.01	0.00		298.29	7867.29	18.13	672.62
Hempstead Lake	12102.9*	Max WS	40.16	40.15	0.01	0.00		289.87	7875.57	18.25	658.22
Hempstead Lake	12093.1*	Max WS	40.16	40.15	0.01	0.00		286.12	7878.79	18.78	643.55
Hempstead Lake	12083.2*	Max WS	40.16	40.15	0.01	0.00		281.84	7882.45	19.38	628.79
Hempstead Lake	12073.3*	Max WS	40.16	40.15	0.01	0.00		277.34	7886.38	19.94	613.94
Hempstead Lake	12063.5*	Max WS	40.16	40.14	0.01	0.00		269.79	7893.34	20.51	599.16
Hempstead Lake	12053.6*	Max WS	40.16	40.14	0.02	0.00		258.98	7903.98	20.68	584.22
Hempstead Lake	12043.7*	Max WS	40.16	40.14	0.02	0.00		252.97	7909.35	21.30	569.11
Hempstead Lake	12033.9*	Max WS	40.16	40.14	0.02	0.00		246.69	7914.98	21.94	553.76
Hempstead Lake	12024.0*	Max WS	40.16	40.14	0.02	0.00		239.78	7921.26	22.55	538.19
Hempstead Lake	12014.1*	Max WS	40.16	40.14	0.02	0.00		226.83	7934.13	22.63	522.58
Hempstead Lake	12004.3*	Max WS	40.16	40.14	0.02	0.00		217.41	7942.88	23.28	506.79
Hempstead Lake	11994.45	Max WS	40.16	40.13	0.02	0.00		289.46	7854.56	39.54	490.75
Hempstead Lake	11989.45	Max WS	40.15	40.13	0.02			305.95	7887.53	43.90	490.73
Hempstead Lake	11979		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.13	40.10	0.02	0.00		365.30	7809.60	62.47	490.27
Hempstead Lake	11964.45	Max WS	40.13	40.10	0.02	0.00		384.37	7786.36	66.64	490.26
Hempstead Lake	11954.6*	Max WS	40.12	40.10	0.02	0.00		243.22	7939.88	54.26	498.25
Hempstead Lake	11944.8*	Max WS	40.12	40.10	0.03	0.00		251.46	7925.10	60.80	507.29
Hempstead Lake	11934.9*	Max WS	40.12	40.10	0.03	0.00		258.10	7910.78	68.47	517.68
Hempstead Lake	11925.1*	Max WS	40.12	40.09	0.03	0.00		264.78	7894.63	77.93	528.35
Hempstead Lake	11915.3*	Max WS	40.12	40.09	0.03	0.00		271.13	7876.36	89.84	539.64
Hempstead Lake	11905.5*	Max WS	40.11	40.08	0.03	0.00		278.86	7853.37	105.09	550.26
Hempstead Lake	11895.6*	Max WS	40.11	40.07	0.03	0.00		284.64	7829.26	123.43	561.84
Hempstead Lake	11885.8*	Max WS	40.10	40.07	0.03	0.00		290.86	7799.90	146.56	573.72
Hempstead Lake	11876.0*	Max WS	40.10	40.06	0.04	0.00		347.51	7684.64	205.16	585.73
Hempstead Lake	11866.2*	Max WS	40.09	40.05	0.04	0.00		350.27	7643.91	243.12	598.49
Hempstead Lake	11856.4*	Max WS	40.08	40.04	0.04	0.00		351.94	7590.70	294.66	604.50
Hempstead Lake	11846.5*	Max WS	40.07	40.03	0.04	0.00		352.96	7526.23	358.11	606.16
Hempstead Lake	11836.7*	Max WS	40.05	40.00	0.04	0.00		353.62	7451.60	432.07	607.82
Hempstead Lake	11826.9*	Max WS	39.99	39.94	0.05	0.00		351.84	7372.80	512.65	609.47
Hempstead Lake	11817.1*	Max WS	39.89	39.85	0.05	0.00		348.33	7285.56	603.39	611.13
Hempstead Lake	11807.2*	Max WS	39.85	39.79	0.05	0.00		344.76	7179.76	712.75	612.78
Hempstead Lake	11797.46	Max WS	38.53	38.45	0.08	0.00		212.32	7376.94	648.01	614.44
Hempstead Lake	11792.46	Max WS	39.22	39.15	0.07			237.12	7366.19	633.96	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	34.29	34.14	0.16	0.00			1859.24		53.01
Hempstead Lake	11627.46	Max WS	34.29	34.15	0.14	0.00			1860.13		62.45
Hempstead Lake	11617.9*	Max WS	34.26	34.14	0.12	0.00			1860.13		161.09
Hempstead Lake	11608.4*	Max WS	34.25	34.17	0.08	0.00			1860.12		186.16
Hempstead Lake	11598.94	Max WS	34.25	34.20	0.06	0.00			1865.52		195.38
Hempstead Lake	11573.9*	Max WS	34.29	34.25	0.04	0.00		5.93	1863.26		574.01
Hempstead Lake	11548.9*	Max WS	34.28	34.26	0.02	0.00		40.60	1829.46		678.86
Hempstead Lake	11523.9*	Max WS	34.28	34.27	0.01	0.00		111.29	1759.62		752.61
Hempstead Lake	11498.9*	Max WS	34.28	34.27	0.01	0.00		217.40	1653.48		819.97
Hempstead Lake	11473.9*	Max WS	34.28	34.27	0.01	0.00		348.26	1522.60		884.11
Hempstead Lake	11448.9*	Max WS	34.28	34.27	0.00	0.00		472.89	1397.96		947.33
Hempstead Lake	11423.9*	Max WS	34.27	34.27	0.00	0.00		581.14	1289.69		1009.90
Hempstead Lake	11398.9*	Max WS	34.27	34.27	0.00	0.00		682.36	1188.45		1072.13
Hempstead Lake	11373.9*	Max WS	34.27	34.27	0.00	0.00		766.23	1104.56		1134.34
Hempstead Lake	11349.*	Max WS	34.27	34.27	0.00	0.00		843.04	1027.74		1196.18
Hempstead Lake	11324.*	Max WS	34.27	34.27	0.00	0.00		928.50	942.68		1257.90
Hempstead Lake	11299.0*	Max WS	34.27	34.27	0.00	0.00		992.13	878.63		1319.54
Hempstead Lake	11274.0*	Max WS	34.27	34.27	0.00	0.00		1050.44	820.31		1381.35
Hempstead Lake	11249.0*	Max WS	34.27	34.27	0.00	0.00		1114.80	756.12		1442.78
Hempstead Lake	11224.0*	Max WS	34.27	34.27	0.00	0.00		1163.53	707.29		1504.30
Hempstead Lake	11199.0*	Max WS	34.27	34.27	0.00	0.00		1208.46	662.24		1565.79
Hempstead Lake	11174.0*	Max WS	34.27	34.27	0.00	0.00		1249.83	620.84		1627.46
Hempstead Lake	11149.0*	Max WS	34.27	34.27	0.00	0.00		1299.29	571.35		1688.90
Hempstead Lake	11124.0*	Max WS	34.27	34.27	0.00	0.00		1334.78	535.85		1750.32
Hempstead Lake	11099.0*	Max WS	34.27	34.27	0.00	0.00		1367.65	502.95		1811.72
Hempstead Lake	11074.0*	Max WS	34.27	34.27	0.00	0.00		1409.26	461.32		1873.33
Hempstead Lake	11049.07	Max WS	34.27	34.27	0.00	0.00		1068.25	801.72		1934.69
Hempstead Lake	11038.4*	Max WS	34.27	34.27	0.00	0.00		1396.90	472.98		1915.26
Hempstead Lake	11027.7*	Max WS	34.27	34.27	0.00	0.00		1367.93	502.62		1895.98
Hempstead Lake	11017.0*	Max WS	34.27	34.27	0.00	0.00		1324.63	545.90		1876.52
Hempstead Lake	11006.4*	Max WS	34.27	34.27	0.00	0.00		1278.67	591.84		1857.15
Hempstead Lake	10995.7*	Max WS	34.27	34.27	0.00	0.00		1242.74	627.75		1837.93
Hempstead Lake	10985.0*	Max WS	34.27	34.27	0.00	0.00		1191.84	678.63		1818.61
Hempstead Lake	10974.4*	Max WS	34.27	34.27	0.00	0.00		1151.49	718.96		1799.42
Hempstead Lake	10963.7*	Max WS	34.27	34.27	0.00	0.00		1096.01	774.42		1780.07
Hempstead Lake	10953.1*	Max WS	34.27	34.27	0.00	0.00		1038.47	831.94		1760.85

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10942.4*	Max WS	34.27	34.27	0.00	0.00		991.71	878.69		1741.71
Hempstead Lake	10931.7*	Max WS	34.27	34.27	0.00	0.00		930.57	939.81		1722.45
Hempstead Lake	10921.1*	Max WS	34.27	34.27	0.00	0.00		868.33	1002.04		1703.33
Hempstead Lake	10910.4*	Max WS	34.27	34.27	0.00	0.00		817.13	1053.22		1684.22
Hempstead Lake	10899.7*	Max WS	34.27	34.27	0.00	0.00		753.11	1117.22		1665.07
Hempstead Lake	10889.1*	Max WS	34.27	34.27	0.00	0.00		689.38	1180.92		1646.08
Hempstead Lake	10878.4*	Max WS	34.27	34.27	0.00	0.00		636.77	1233.51		1626.97
Hempstead Lake	10867.8*	Max WS	34.27	34.27	0.00	0.00		574.06	1296.20		1607.73
Hempstead Lake	10857.1*	Max WS	34.27	34.27	0.00	0.00		522.33	1347.92		1588.78
Hempstead Lake	10846.4*	Max WS	34.27	34.27	0.00	0.00		462.99	1407.24		1569.74
Hempstead Lake	10835.8*	Max WS	34.27	34.27	0.00	0.00		407.86	1462.35		1550.71
Hempstead Lake	10825.1*	Max WS	34.27	34.27	0.00	0.00		363.00	1505.36		1531.78
Hempstead Lake	10814.4*	Max WS	34.27	34.27	0.00	0.00		314.93	1555.23		1512.77
Hempstead Lake	10803.8*	Max WS	34.27	34.27	0.00	0.00		270.16	1599.98		1493.69
Hempstead Lake	10793.1*	Max WS	34.27	34.27	0.00	0.00		233.79	1636.32		1474.88
Hempstead Lake	10782.4*	Max WS	34.27	34.27	0.00	0.00		196.22	1673.86		1455.92
Hempstead Lake	10771.8*	Max WS	34.27	34.27	0.00	0.00		162.62	1707.43		1436.85
Hempstead Lake	10761.1*	Max WS	34.27	34.27	0.00	0.00		135.87	1734.14		1416.88
Hempstead Lake	10750.5*	Max WS	34.27	34.27	0.00	0.00		109.83	1760.16		1396.24
Hempstead Lake	10739.8*	Max WS	34.27	34.27	0.00	0.00		87.25	1782.72		1376.04
Hempstead Lake	10729.1*	Max WS	34.27	34.27	0.00	0.00		69.50	1800.45		1355.79
Hempstead Lake	10718.5*	Max WS	34.27	34.27	0.00	0.00		53.16	1816.75		1335.86
Hempstead Lake	10707.8*	Max WS	34.27	34.27	0.00	0.00		40.40	1829.48		1316.03
Hempstead Lake	10697.1*	Max WS	34.27	34.27	0.00	0.00		29.29	1840.55		1295.98
Hempstead Lake	10686.5*	Max WS	34.27	34.27	0.00	0.00		20.46	1849.34		1276.58
Hempstead Lake	10675.8*	Max WS	34.27	34.27	0.00	0.00		13.87	1858.35		1257.77
Hempstead Lake	10665.2*	Max WS	34.27	34.27	0.00	0.00		8.64	1861.10		1238.73
Hempstead Lake	10654.5*	Max WS	34.27	34.27	0.00	0.00		4.94	1867.28		1219.00
Hempstead Lake	10643.8*	Max WS	34.27	34.27	0.00	0.00		2.49	1867.17		1198.69
Hempstead Lake	10633.2*	Max WS	34.27	34.27	0.00	0.00		0.95	1868.66		1177.92
Hempstead Lake	10622.5*	Max WS	34.27	34.27	0.00	0.00		0.18	1872.05		1155.76
Hempstead Lake	10611.8*	Max WS	34.27	34.27	0.00	0.00			1869.53		1053.37
Hempstead Lake	10601.2*	Max WS	34.27	34.27	0.00	0.00			1872.22		1023.39
Hempstead Lake	10590.5*	Max WS	34.27	34.27	0.00	0.00			1872.21		1014.45
Hempstead Lake	10579.8*	Max WS	34.27	34.27	0.00	0.00			1872.20		1007.08
Hempstead Lake	10569.23	Max WS	34.27	34.27	0.00	0.00			1872.19		990.72
Hempstead Lake	10549.1*	Max WS	34.27	34.27	0.00	0.00			1872.18		1006.71
Hempstead Lake	10529.0*	Max WS	34.27	34.27	0.00	0.00			1872.16		1013.85
Hempstead Lake	10508.9*	Max WS	34.27	34.27	0.00	0.00			1869.21		1019.78
Hempstead Lake	10488.7*	Max WS	34.27	34.27	0.00	0.00			1872.13		1030.41
Hempstead Lake	10468.6*	Max WS	34.27	34.27	0.00	0.00			1872.11		1038.10
Hempstead Lake	10448.5*	Max WS	34.27	34.27	0.00	0.00			1872.08		1043.08
Hempstead Lake	10428.4*	Max WS	34.27	34.27	0.00	0.00			1872.06		1046.36
Hempstead Lake	10408.3*	Max WS	34.27	34.27	0.00	0.00			1872.03		1048.92
Hempstead Lake	10388.2*	Max WS	34.27	34.27	0.00	0.00			1872.00		1050.41
Hempstead Lake	10368.1*	Max WS	34.27	34.27	0.00	0.00			1871.97		1051.19
Hempstead Lake	10348.0*	Max WS	34.27	34.27	0.00	0.00			1871.93		1051.80
Hempstead Lake	10327.9*	Max WS	34.27	34.27	0.00	0.00			1871.89		1051.64
Hempstead Lake	10307.8*	Max WS	34.27	34.27	0.00	0.00			1871.85		1051.20
Hempstead Lake	10287.7*	Max WS	34.27	34.27	0.00	0.00			1875.04		1050.77
Hempstead Lake	10267.6*	Max WS	34.27	34.27	0.00	0.00			1875.02		1049.85
Hempstead Lake	10247.4*	Max WS	34.27	34.27	0.00	0.00			1871.71		1048.76
Hempstead Lake	10227.3*	Max WS	34.27	34.27	0.00	0.00			1875.00		1047.64
Hempstead Lake	10207.2*	Max WS	34.27	34.27	0.00	0.00			1874.97		1046.23
Hempstead Lake	10187.1*	Max WS	34.27	34.27	0.00	0.00			1874.95		1044.80
Hempstead Lake	10167.0*	Max WS	34.27	34.27	0.00	0.00			1874.92		1043.08
Hempstead Lake	10146.9*	Max WS	34.27	34.27	0.00	0.00			1874.90		1041.33
Hempstead Lake	10126.8*	Max WS	34.27	34.27	0.00	0.00			1874.87		1039.56
Hempstead Lake	10106.7*	Max WS	34.27	34.27	0.00	0.00			1874.84		1037.49
Hempstead Lake	10086.6*	Max WS	34.27	34.27	0.00	0.00			1874.80		1035.51
Hempstead Lake	10066.5*	Max WS	34.27	34.27	0.00	0.00			1874.77		1033.50
Hempstead Lake	10046.4*	Max WS	34.27	34.27	0.00	0.00			1874.73		1031.39
Hempstead Lake	10026.2*	Max WS	34.27	34.27	0.00	0.00			1878.24		1029.23
Hempstead Lake	10006.1*	Max WS	34.27	34.27	0.00	0.00			1878.22		1027.05
Hempstead Lake	9986.073	Max WS	34.27	34.27	0.00	0.00			1878.20		1024.80
Hempstead Lake	9965.77*	Max WS	34.27	34.27	0.00	0.00			1878.17		1022.27
Hempstead Lake	9945.47*	Max WS	34.27	34.27	0.00	0.00			1878.14		1019.91
Hempstead Lake	9925.18*	Max WS	34.27	34.27	0.00	0.00			1878.11		1017.35
Hempstead Lake	9904.88*	Max WS	34.27	34.27	0.00	0.00			1878.08		1014.73
Hempstead Lake	9884.59*	Max WS	34.27	34.27	0.00	0.00			1878.05		1011.83
Hempstead Lake	9864.29*	Max WS	34.27	34.27	0.00	0.00			1878.02		1009.08
Hempstead Lake	9843.99*	Max WS	34.27	34.27	0.00	0.00			1881.66		1006.05

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	9823.7*	Max WS	34.27	34.27	0.00	0.00			1881.65		1002.92
Hempstead Lake	9803.40*	Max WS	34.27	34.27	0.00	0.00			1881.63		999.89
Hempstead Lake	9783.10*	Max WS	34.27	34.27	0.00	0.00			1881.60		996.93
Hempstead Lake	9762.81*	Max WS	34.27	34.27	0.00	0.00			1881.58		995.11
Hempstead Lake	9742.51*	Max WS	34.27	34.27	0.00	0.00			1881.55	0.00	993.21
Hempstead Lake	9722.21*	Max WS	34.27	34.27	0.00	0.00			1885.24	0.00	990.93
Hempstead Lake	9701.92*	Max WS	34.27	34.27	0.00	0.00			1881.48	0.00	989.94
Hempstead Lake	9681.62*	Max WS	34.27	34.27	0.00	0.00			1885.22	0.01	988.38
Hempstead Lake	9661.32*	Max WS	34.27	34.27	0.00	0.00			1885.20	0.02	986.48
Hempstead Lake	9641.03*	Max WS	34.27	34.27	0.00	0.00		0.00	1885.16	0.03	983.96
Hempstead Lake	9620.73*	Max WS	34.27	34.27	0.00	0.00		0.00	1885.13	0.05	981.01
Hempstead Lake	9600.43*	Max WS	34.27	34.27	0.00	0.00		0.01	1888.78	0.08	978.32
Hempstead Lake	9580.14*	Max WS	34.27	34.27	0.00	0.00		0.01	1885.03	0.10	976.15
Hempstead Lake	9559.84*	Max WS	34.27	34.27	0.00	0.00		0.02	1888.71	0.13	973.67
Hempstead Lake	9539.54*	Max WS	34.27	34.27	0.00	0.00		0.04	1884.87	0.16	971.29
Hempstead Lake	9519.25*	Max WS	34.27	34.27	0.00	0.00		0.06	1888.58	0.21	968.86
Hempstead Lake	9498.95*	Max WS	34.27	34.27	0.00	0.00		0.08	1888.49	0.26	966.36
Hempstead Lake	9478.65*	Max WS	34.27	34.27	0.00	0.00		0.11	1888.39	0.31	963.60
Hempstead Lake	9458.36*	Max WS	34.27	34.27	0.00	0.00		0.14	1888.28	0.37	960.93
Hempstead Lake	9438.06*	Max WS	34.27	34.27	0.00	0.00		0.18	1888.14	0.45	958.14
Hempstead Lake	9417.76*	Max WS	34.27	34.27	0.00	0.00		0.23	1891.77	0.52	955.42
Hempstead Lake	9397.47*	Max WS	34.27	34.27	0.00	0.00		0.28	1887.83	0.61	952.45
Hempstead Lake	9377.17*	Max WS	34.27	34.27	0.00	0.00		0.34	1891.46	0.70	949.63
Hempstead Lake	9356.87*	Max WS	34.27	34.27	0.00	0.00		0.41	1891.25	0.83	946.52
Hempstead Lake	9336.58*	Max WS	34.27	34.27	0.00	0.00		0.48	1894.75	0.96	943.55
Hempstead Lake	9316.28*	Max WS	34.27	34.27	0.00	0.00		0.56	1890.79	1.10	940.42
Hempstead Lake	9295.98*	Max WS	34.27	34.27	0.00	0.00		0.65	1890.52	1.26	937.40
Hempstead Lake	9275.69*	Max WS	34.27	34.27	0.00	0.00		0.75	1894.02	1.42	934.17
Hempstead Lake	9255.39*	Max WS	34.27	34.27	0.00	0.00		0.86	1893.72	1.60	931.08
Hempstead Lake	9235.09*	Max WS	34.27	34.27	0.00	0.00		0.97	1893.40	1.78	927.88
Hempstead Lake	9214.80*	Max WS	34.27	34.27	0.00	0.00		1.09	1896.75	1.98	924.60
Hempstead Lake	9194.50*	Max WS	34.27	34.27	0.00	0.00		1.22	1896.41	2.18	921.28
Hempstead Lake	9174.20*	Max WS	34.27	34.27	0.00	0.00		1.32	1892.36	2.40	919.90
Hempstead Lake	9153.910	Max WS	34.27	34.27	0.00	0.00		1.40	1896.04	2.35	920.46
Hempstead Lake	9133.22*	Max WS	34.27	34.27	0.00	0.00		1.36	1933.27	2.29	926.24
Hempstead Lake	9112.54*	Max WS	34.27	34.27	0.00	0.00		1.30	1937.00	2.19	931.92
Hempstead Lake	9091.85*	Max WS	34.27	34.27	0.00	0.00		1.24	1937.16	2.09	938.05
Hempstead Lake	9071.17*	Max WS	34.27	34.27	0.00	0.00		1.18	1937.31	1.99	943.48
Hempstead Lake	9050.49*	Max WS	34.27	34.27	0.00	0.00		1.12	1933.81	1.89	949.03
Hempstead Lake	9029.80*	Max WS	34.27	34.27	0.00	0.00		1.06	1937.59	1.80	954.63
Hempstead Lake	9009.12*	Max WS	34.27	34.27	0.00	0.00		1.01	1941.23	1.71	960.51
Hempstead Lake	8988.44*	Max WS	34.27	34.27	0.00	0.00		0.95	1937.84	1.62	965.77
Hempstead Lake	8967.75*	Max WS	34.27	34.27	0.00	0.00		0.90	1941.50	1.52	971.17
Hempstead Lake	8947.07*	Max WS	34.27	34.27	0.00	0.00		0.85	1945.02	1.44	976.31
Hempstead Lake	8926.39*	Max WS	34.27	34.27	0.00	0.00		0.79	1941.75	1.35	982.00
Hempstead Lake	8905.70*	Max WS	34.27	34.27	0.00	0.00		0.77	1941.80	1.30	987.21
Hempstead Lake	8885.02*	Max WS	34.27	34.27	0.00	0.00		0.72	1945.35	1.22	992.19
Hempstead Lake	8864.33*	Max WS	34.27	34.27	0.00	0.00		0.67	1948.77	1.13	997.23
Hempstead Lake	8843.65*	Max WS	34.27	34.27	0.00	0.00		0.62	1945.59	1.05	1002.28
Hempstead Lake	8822.97*	Max WS	34.27	34.27	0.00	0.00		0.57	1949.02	0.97	1007.03
Hempstead Lake	8802.28*	Max WS	34.27	34.27	0.00	0.00		0.52	1949.14	0.89	1012.44
Hempstead Lake	8781.60*	Max WS	34.27	34.27	0.00	0.00		0.47	1952.44	0.81	1017.72
Hempstead Lake	8760.92*	Max WS	34.27	34.27	0.00	0.00		0.42	1949.35	0.74	1022.92
Hempstead Lake	8740.23*	Max WS	34.27	34.27	0.00	0.00		0.37	1949.45	0.67	1028.04
Hempstead Lake	8719.55*	Max WS	34.27	34.27	0.00	0.00		0.33	1952.79	0.60	1033.05
Hempstead Lake	8698.86*	Max WS	34.27	34.27	0.00	0.00		0.28	1952.88	0.53	1037.95
Hempstead Lake	8678.18*	Max WS	34.27	34.27	0.00	0.00		0.25	1956.07	0.47	1042.67
Hempstead Lake	8657.50*	Max WS	34.27	34.27	0.00	0.00		0.21	1956.16	0.41	1047.27
Hempstead Lake	8636.81*	Max WS	34.27	34.27	0.00	0.00		0.17	1959.21	0.35	1051.71
Hempstead Lake	8616.13*	Max WS	34.27	34.27	0.00	0.00		0.14	1956.31	0.29	1055.74
Hempstead Lake	8595.45*	Max WS	34.27	34.27	0.00	0.00		0.11	1959.37	0.24	1060.05
Hempstead Lake	8574.76*	Max WS	34.27	34.27	0.00	0.00		0.08	1956.43	0.19	1063.32
Hempstead Lake	8554.08*	Max WS	34.27	34.27	0.00	0.00		0.06	1962.40	0.15	1066.41
Hempstead Lake	8533.39*	Max WS	34.27	34.27	0.00	0.00		0.04	1959.55	0.11	1068.67
Hempstead Lake	8512.71*	Max WS	34.27	34.27	0.00	0.00		0.02	1962.51	0.08	1068.61
Hempstead Lake	8492.03*	Max WS	34.27	34.27	0.00	0.00		0.01	1962.54	0.05	1063.59
Hempstead Lake	8471.34*	Max WS	34.27	34.27	0.00	0.00		0.00	1962.55	0.03	1051.37
Hempstead Lake	8450.66*	Max WS	34.27	34.27	0.00	0.00			1962.54	0.02	1015.99
Hempstead Lake	8429.980	Max WS	34.27	34.27	0.00	0.00			1962.53	0.01	1004.28
Hempstead Lake	8416.34*	Max WS	34.27	34.27	0.00	0.00			1962.51	0.01	1012.24
Hempstead Lake	8402.71*	Max WS	34.27	34.27	0.00	0.00		0.00	1965.37	0.01	1035.43
Hempstead Lake	8389.07*	Max WS	34.27	34.27	0.00	0.00		0.01	1962.47	0.01	1043.77

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8375.44*	Max WS	34.27	34.27	0.00	0.00		0.02	1965.33	0.01	1049.50
Hempstead Lake	8361.81*	Max WS	34.27	34.27	0.00	0.00		0.03	1968.03	0.01	1053.99
Hempstead Lake	8348.17*	Max WS	34.27	34.27	0.00	0.00		0.05	1965.28	0.01	1057.84
Hempstead Lake	8334.54*	Max WS	34.27	34.27	0.00	0.00		0.07	1965.24	0.01	1061.08
Hempstead Lake	8320.91*	Max WS	34.27	34.27	0.00	0.00		0.09	1967.97	0.01	1064.41
Hempstead Lake	8307.27*	Max WS	34.27	34.27	0.00	0.00		0.12	1967.94	0.01	1067.54
Hempstead Lake	8293.64*	Max WS	34.27	34.27	0.00	0.00		0.15	1967.90	0.01	1070.50
Hempstead Lake	8280.00*	Max WS	34.27	34.27	0.00	0.00		0.18	1970.52	0.01	1073.44
Hempstead Lake	8266.37*	Max WS	34.27	34.27	0.00	0.00		0.21	1965.01	0.01	1076.17
Hempstead Lake	8252.74*	Max WS	34.27	34.27	0.00	0.00		0.24	1967.78	0.01	1079.01
Hempstead Lake	8239.10*	Max WS	34.27	34.27	0.00	0.00		0.27	1967.73	0.01	1081.82
Hempstead Lake	8225.47*	Max WS	34.27	34.27	0.00	0.00		0.31	1970.38	0.01	1084.61
Hempstead Lake	8211.84*	Max WS	34.27	34.27	0.00	0.00		0.35	1967.63	0.01	1087.37
Hempstead Lake	8198.20*	Max WS	34.27	34.27	0.00	0.00		0.39	1970.30	0.01	1089.98
Hempstead Lake	8184.57*	Max WS	34.27	34.27	0.00	0.00		0.43	1970.25	0.01	1092.70
Hempstead Lake	8170.93*	Max WS	34.27	34.27	0.00	0.00		0.47	1967.45	0.02	1095.41
Hempstead Lake	8157.30*	Max WS	34.27	34.27	0.00	0.00		0.51	1972.79	0.02	1098.11
Hempstead Lake	8143.67*	Max WS	34.27	34.27	0.00	0.00		0.56	1972.74	0.02	1100.70
Hempstead Lake	8130.03*	Max WS	34.27	34.27	0.00	0.00		0.60	1972.69	0.02	1103.37
Hempstead Lake	8116.40*	Max WS	34.27	34.27	0.00	0.00		0.65	1969.99	0.02	1106.04
Hempstead Lake	8102.76*	Max WS	34.27	34.27	0.00	0.00		0.70	1969.92	0.02	1108.74
Hempstead Lake	8089.13*	Max WS	34.27	34.27	0.00	0.00		0.74	1969.85	0.02	1111.44
Hempstead Lake	8075.50*	Max WS	34.27	34.27	0.00	0.00		0.79	1972.50	0.02	1114.01
Hempstead Lake	8061.86*	Max WS	34.27	34.27	0.00	0.00		0.84	1972.44	0.02	1116.68
Hempstead Lake	8048.23*	Max WS	34.27	34.27	0.00	0.00		0.89	1969.64	0.02	1119.36
Hempstead Lake	8034.6*	Max WS	34.27	34.27	0.00	0.00		0.94	1972.31	0.02	1122.02
Hempstead Lake	8020.96*	Max WS	34.27	34.27	0.00	0.00		0.99	1972.25	0.02	1124.67
Hempstead Lake	8007.33*	Max WS	34.27	34.27	0.00	0.00		1.05	1974.86	0.02	1127.24
Hempstead Lake	7993.69*	Max WS	34.27	34.27	0.00	0.00		1.10	1972.13	0.02	1129.82
Hempstead Lake	7980.06*	Max WS	34.27	34.27	0.00	0.00		1.15	1972.06	0.02	1132.46
Hempstead Lake	7966.43*	Max WS	34.27	34.27	0.00	0.00		1.21	1971.98	0.02	1135.10
Hempstead Lake	7952.79*	Max WS	34.27	34.27	0.00	0.00		1.26	1971.91	0.02	1137.68
Hempstead Lake	7939.16*	Max WS	34.27	34.27	0.00	0.00		1.32	1974.61	0.02	1140.31
Hempstead Lake	7925.53*	Max WS	34.27	34.27	0.00	0.00		1.38	1974.55	0.02	1142.94
Hempstead Lake	7911.89*	Max WS	34.27	34.27	0.00	0.00		1.43	1971.67	0.02	1145.57
Hempstead Lake	7898.26*	Max WS	34.27	34.27	0.00	0.00		1.49	1974.42	0.02	1148.19
Hempstead Lake	7884.62*	Max WS	34.27	34.27	0.00	0.00		1.54	1974.35	0.02	1150.77
Hempstead Lake	7870.99*	Max WS	34.27	34.27	0.00	0.00		1.60	1974.28	0.02	1153.39
Hempstead Lake	7857.36*	Max WS	34.27	34.27	0.00	0.00		1.66	1974.21	0.02	1156.01
Hempstead Lake	7843.72*	Max WS	34.27	34.27	0.00	0.00		1.72	1971.23	0.03	1158.62
Hempstead Lake	7830.09*	Max WS	34.27	34.27	0.00	0.00		1.78	1974.07	0.03	1161.24
Hempstead Lake	7816.45*	Max WS	34.27	34.27	0.00	0.00		1.83	1974.00	0.03	1163.83
Hempstead Lake	7802.82*	Max WS	34.27	34.27	0.00	0.00		1.89	1973.93	0.03	1166.44
Hempstead Lake	7789.19*	Max WS	34.27	34.27	0.00	0.00		1.95	1973.84	0.03	1169.05
Hempstead Lake	7775.55*	Max WS	34.27	34.27	0.00	0.00		2.01	1973.76	0.03	1171.66
Hempstead Lake	7761.92*	Max WS	34.27	34.27	0.00	0.00		2.07	1976.57	0.03	1174.23
Hempstead Lake	7748.29*	Max WS	34.27	34.27	0.00	0.00		2.13	1976.50	0.03	1176.32
Hempstead Lake	7734.65*	Max WS	34.27	34.27	0.00	0.00		2.19	1973.51	0.03	1178.93
Hempstead Lake	7721.02*	Max WS	34.27	34.27	0.00	0.00		2.26	1973.41	0.03	1256.89
Hempstead Lake	7707.38*	Max WS	34.27	34.27	0.00	0.00		2.32	1973.32	0.03	1297.37
Hempstead Lake	7693.75*	Max WS	34.27	34.27	0.00	0.00		2.39	1973.23	0.03	1327.82
Hempstead Lake	7680.12*	Max WS	34.27	34.27	0.00	0.00		2.46	1976.14	0.03	1361.77
Hempstead Lake	7666.48*	Max WS	34.27	34.27	0.00	0.00		2.54	1973.01	0.03	1397.56
Hempstead Lake	7652.85*	Max WS	34.27	34.27	0.00	0.00		2.63	1975.96	0.03	1494.27
Hempstead Lake	7639.22*	Max WS	34.27	34.27	0.00	0.00		2.73	1975.85	0.03	1584.47
Hempstead Lake	7625.58*	Max WS	34.27	34.27	0.00	0.00		2.84	1975.71	0.03	1638.29
Hempstead Lake	7611.95*	Max WS	34.27	34.27	0.00	0.00		2.98	1975.56	0.03	1693.98
Hempstead Lake	7598.31*	Max WS	34.27	34.27	0.00	0.00		3.13	1975.38	0.03	1748.54
Hempstead Lake	7584.68*	Max WS	34.27	34.27	0.00	0.00		3.29	1975.19	0.03	1804.66
Hempstead Lake	7571.05*	Max WS	34.27	34.27	0.00	0.00		3.43	1978.12	0.03	1989.97
Hempstead Lake	7557.41*	Max WS	34.27	34.27	0.00	0.00		3.59	1974.85	0.04	2565.07
Hempstead Lake	7543.783	Max WS	34.27	34.27	0.00	0.00		4.03	1974.38	0.04	2573.06
Hempstead Lake	7530.03*	Max WS	34.27	34.27	0.00	0.00		4.39	1992.29	0.05	2590.17
Hempstead Lake	7516.28*	Max WS	34.27	34.27	0.00	0.00		4.68	1995.15	0.07	2603.54
Hempstead Lake	7502.53*	Max WS	34.27	34.27	0.00	0.00		4.99	1991.58	0.09	2614.01
Hempstead Lake	7488.79*	Max WS	34.27	34.27	0.00	0.00		5.35	1994.41	0.12	2624.23
Hempstead Lake	7475.04*	Max WS	34.27	34.27	0.00	0.00		5.73	1990.65	0.15	2634.04
Hempstead Lake	7461.29*	Max WS	34.27	34.27	0.00	0.00		6.16	1993.54	0.19	2642.98
Hempstead Lake	7447.54*	Max WS	34.27	34.27	0.00	0.00		6.60	1993.03	0.23	2652.37
Hempstead Lake	7433.79*	Max WS	34.27	34.27	0.00	0.00		7.08	1992.50	0.27	2661.30
Hempstead Lake	7420.04*	Max WS	34.27	34.27	0.00	0.00		7.58	1991.94	0.31	2670.90
Hempstead Lake	7406.3*	Max WS	34.27	34.27	0.00	0.00		8.12	1991.33	0.35	2680.47

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7392.55*	Max WS	34.27	34.27	0.00	0.00		8.69	1990.68	0.40	2689.60
Hempstead Lake	7378.80*	Max WS	34.27	34.27	0.00	0.00		9.26	1986.34	0.45	2699.24
Hempstead Lake	7365.05*	Max WS	34.27	34.27	0.00	0.00		9.88	1985.59	0.50	2708.79
Hempstead Lake	7351.30*	Max WS	34.27	34.27	0.00	0.00		10.53	1988.61	0.55	2718.27
Hempstead Lake	7337.55*	Max WS	34.27	34.27	0.00	0.00		11.17	1984.05	0.61	2727.98
Hempstead Lake	7323.81*	Max WS	34.27	34.27	0.00	0.00		11.88	1987.10	0.67	2737.49
Hempstead Lake	7310.06*	Max WS	34.27	34.27	0.00	0.00		12.61	1986.27	0.73	2746.25
Hempstead Lake	7296.31*	Max WS	34.27	34.27	0.00	0.00		13.34	1985.44	0.78	2755.24
Hempstead Lake	7282.56*	Max WS	34.27	34.27	0.00	0.00		14.11	1984.57	0.85	2764.13
Hempstead Lake	7268.81*	Max WS	34.27	34.27	0.00	0.00		14.91	1983.68	0.91	2772.92
Hempstead Lake	7255.06*	Max WS	34.27	34.27	0.00	0.00		15.71	1982.78	0.97	2782.45
Hempstead Lake	7241.32*	Max WS	34.27	34.27	0.00	0.00		16.57	1981.81	1.04	2791.49
Hempstead Lake	7227.57*	Max WS	34.27	34.27	0.00	0.00		17.43	1980.84	1.11	2800.73
Hempstead Lake	7213.82*	Max WS	34.27	34.27	0.00	0.00		18.29	1979.87	1.17	2810.57
Hempstead Lake	7200.07*	Max WS	34.27	34.27	0.00	0.00		19.16	1978.88	1.24	2820.16
Hempstead Lake	7186.32*	Max WS	34.27	34.27	0.00	0.00		20.10	1977.84	1.32	2830.23
Hempstead Lake	7172.57*	Max WS	34.27	34.27	0.00	0.00		21.02	1976.80	1.39	2840.36
Hempstead Lake	7158.83*	Max WS	34.27	34.27	0.00	0.00		21.98	1975.71	1.46	2850.14
Hempstead Lake	7145.08*	Max WS	34.27	34.27	0.00	0.00		22.96	1974.61	1.54	2859.37
Hempstead Lake	7131.33*	Max WS	34.27	34.27	0.00	0.00		23.97	1973.47	1.61	2869.77
Hempstead Lake	7117.58*	Max WS	34.27	34.27	0.00	0.00		25.05	1976.85	1.69	2879.45
Hempstead Lake	7103.83*	Max WS	34.27	34.27	0.00	0.00		26.04	1971.12	1.76	2888.92
Hempstead Lake	7090.08*	Max WS	34.27	34.27	0.00	0.00		26.31	1975.48	1.79	2898.75
Hempstead Lake	7076.34*	Max WS	34.27	34.27	0.00	0.00		27.36	1974.34	1.86	2908.86
Hempstead Lake	7062.59*	Max WS	34.27	34.27	0.00	0.00		28.12	1968.71	1.92	2918.65
Hempstead Lake	7048.84*	Max WS	34.27	34.27	0.00	0.00		29.17	1967.51	2.00	2929.18
Hempstead Lake	7035.09*	Max WS	34.27	34.27	0.00	0.00		30.34	1971.14	2.08	2939.66
Hempstead Lake	7021.34*	Max WS	34.27	34.27	0.00	0.00		31.35	1965.05	2.15	2951.11
Hempstead Lake	7007.6*	Max WS	34.27	34.27	0.00	0.00		32.44	1963.82	2.23	2962.57
Hempstead Lake	6993.85*	Max WS	34.27	34.27	0.00	0.00		33.65	1967.58	2.31	2974.07
Hempstead Lake	6980.10*	Max WS	34.27	34.27	0.00	0.00		34.69	1961.28	2.39	2986.50
Hempstead Lake	6966.35*	Max WS	34.27	34.27	0.00	0.00		35.82	1959.99	2.47	2998.30
Hempstead Lake	6952.60*	Max WS	34.27	34.27	0.00	0.00		36.99	1958.67	2.55	3011.49
Hempstead Lake	6938.85*	Max WS	34.27	34.27	0.00	0.00		38.22	1962.67	2.64	3026.16
Hempstead Lake	6925.11*	Max WS	34.27	34.27	0.00	0.00		39.34	1961.45	2.72	3042.23
Hempstead Lake	6911.36*	Max WS	34.27	34.27	0.00	0.00		40.41	1954.77	2.79	3058.41
Hempstead Lake	6897.61*	Max WS	34.27	34.27	0.00	0.00		41.66	1958.95	2.89	3076.07
Hempstead Lake	6883.86*	Max WS	34.27	34.27	0.00	0.00		42.82	1957.68	2.97	3094.66
Hempstead Lake	6870.11*	Max WS	34.27	34.27	0.00	0.00		44.02	1956.37	3.05	3113.10
Hempstead Lake	6856.36*	Max WS	34.27	34.27	0.00	0.00		45.08	1949.52	3.13	3132.85
Hempstead Lake	6842.62*	Max WS	34.27	34.27	0.00	0.00		46.27	1948.16	3.21	3152.59
Hempstead Lake	6828.87*	Max WS	34.27	34.27	0.00	0.00		47.59	1952.51	3.30	3173.96
Hempstead Lake	6815.12*	Max WS	34.27	34.27	0.00	0.00		48.63	1945.48	3.38	3197.31
Hempstead Lake	6801.37*	Max WS	34.27	34.27	0.00	0.00		49.82	1944.12	3.46	3219.95
Hempstead Lake	6787.62*	Max WS	34.27	34.27	0.00	0.00		51.16	1948.66	3.56	3242.78
Hempstead Lake	6773.87*	Max WS	34.27	34.27	0.00	0.00		53.10	1946.56	3.69	3263.62
Hempstead Lake	6760.13*	Max WS	34.27	34.27	0.00	0.00		53.24	1940.19	3.77	3341.18
Hempstead Lake	6746.38*	Max WS	34.27	34.27	0.00	0.00		54.39	1938.86	3.86	3369.20
Hempstead Lake	6732.634	Max WS	34.27	34.27	0.00	0.00			1993.24	10.02	1220.52
Hempstead Lake	6718.98*	Max WS	34.27	34.27	0.00	0.00		0.00	1999.29	3.90	1228.24
Hempstead Lake	6705.33*	Max WS	34.27	34.27	0.00	0.00		0.00	1999.29	3.84	1236.51
Hempstead Lake	6691.68*	Max WS	34.27	34.27	0.00	0.00		0.01	1992.51	3.70	1242.00
Hempstead Lake	6678.03*	Max WS	34.27	34.27	0.00	0.00		0.02	1992.36	3.58	1244.37
Hempstead Lake	6664.38*	Max WS	34.27	34.27	0.00	0.00		0.04	1999.51	3.52	1245.08
Hempstead Lake	6650.72*	Max WS	34.27	34.27	0.00	0.00		0.06	1999.60	3.40	1244.77
Hempstead Lake	6637.07*	Max WS	34.27	34.27	0.00	0.00		0.08	1992.42	3.26	1244.21
Hempstead Lake	6623.42*	Max WS	34.27	34.27	0.00	0.00		0.11	1999.74	3.19	1243.38
Hempstead Lake	6609.77*	Max WS	34.27	34.27	0.00	0.00		0.13	1992.51	3.05	1242.26
Hempstead Lake	6596.12*	Max WS	34.27	34.27	0.00	0.00		0.17	1999.92	2.93	1241.12
Hempstead Lake	6582.47*	Max WS	34.27	34.27	0.00	0.00		0.21	1999.95	2.85	1239.82
Hempstead Lake	6568.82*	Max WS	34.27	34.27	0.00	0.00		0.25	2000.04	2.71	1238.44
Hempstead Lake	6555.17*	Max WS	34.27	34.27	0.00	0.00		0.29	1992.73	2.57	1237.04
Hempstead Lake	6541.52*	Max WS	34.27	34.27	0.00	0.00		0.34	1992.74	2.48	1235.60
Hempstead Lake	6527.87*	Max WS	34.27	34.27	0.00	0.00		0.39	1992.79	2.35	1234.08
Hempstead Lake	6514.22*	Max WS	34.27	34.27	0.00	0.00		0.44	1992.83	2.21	1232.53
Hempstead Lake	6500.57*	Max WS	34.27	34.27	0.00	0.00		0.52	2000.40	2.08	1230.99
Hempstead Lake	6486.91*	Max WS	34.27	34.27	0.00	0.00		0.58	1992.87	1.98	1229.42
Hempstead Lake	6473.26*	Max WS	34.27	34.27	0.00	0.00		0.64	2000.50	1.84	1227.76
Hempstead Lake	6459.61*	Max WS	34.27	34.27	0.00	0.00		0.71	1992.98	1.70	1226.14
Hempstead Lake	6445.96*	Max WS	34.27	34.27	0.00	0.00		0.79	2000.58	1.60	1224.50
Hempstead Lake	6432.31*	Max WS	34.27	34.27	0.00	0.00		0.87	1993.02	1.46	1222.84
Hempstead Lake	6418.66*	Max WS	34.27	34.27	0.00	0.00		0.94	1993.04	1.32	1221.06

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6405.01*	Max WS	34.27	34.27	0.00	0.00		1.03	1993.05	1.21	1219.33
Hempstead Lake	6391.36*	Max WS	34.27	34.27	0.00	0.00		1.12	1993.07	1.07	1217.58
Hempstead Lake	6377.71*	Max WS	34.27	34.27	0.00	0.00		1.22	2000.80	0.95	1215.77
Hempstead Lake	6364.06*	Max WS	34.27	34.27	0.00	0.00		1.31	1993.08	0.83	1213.83
Hempstead Lake	6350.41*	Max WS	34.27	34.27	0.00	0.00		1.41	1993.08	0.70	1211.90
Hempstead Lake	6336.76*	Max WS	34.27	34.27	0.00	0.00		1.52	1993.07	0.58	1209.86
Hempstead Lake	6323.11*	Max WS	34.27	34.27	0.00	0.00		1.64	2000.85	0.48	1207.68
Hempstead Lake	6309.45*	Max WS	34.27	34.27	0.00	0.00		1.75	1993.02	0.37	1205.06
Hempstead Lake	6295.80*	Max WS	34.27	34.27	0.00	0.00		1.87	2000.83	0.27	1202.11
Hempstead Lake	6282.15*	Max WS	34.27	34.27	0.00	0.00		1.99	1992.92	0.19	1198.13
Hempstead Lake	6268.507	Max WS	34.27	34.27	0.00	0.00		2.14	1992.80	0.12	1191.16
Hempstead Lake	6259.72*	Max WS	34.27	34.27	0.00	0.00		1.61	1993.31	0.13	1197.54
Hempstead Lake	6250.93*	Max WS	34.27	34.27	0.00	0.00		1.20	1993.76	0.07	1215.29
Hempstead Lake	6242.14*	Max WS	34.27	34.27	0.00	0.00		0.86	1994.13	0.04	1232.95
Hempstead Lake	6233.35*	Max WS	34.27	34.27	0.00	0.00		0.49	1994.50	0.02	1270.49
Hempstead Lake	6224.57*	Max WS	34.27	34.27	0.00	0.00		0.34	1994.65	0.01	1310.29
Hempstead Lake	6215.78*	Max WS	34.27	34.27	0.00	0.00		0.21	2002.77	0.00	1323.18
Hempstead Lake	6206.99*	Max WS	34.27	34.27	0.00	0.00		0.13	2002.85	0.00	1334.20
Hempstead Lake	6198.21*	Max WS	34.27	34.27	0.00	0.00		0.08	1994.87	0.00	1345.18
Hempstead Lake	6189.42*	Max WS	34.27	34.27	0.00	0.00		0.05	1994.89		1337.60
Hempstead Lake	6180.638	Max WS	34.27	34.27	0.00	0.00		0.03	2002.95		1308.33
Hempstead Lake	6177.638	Max WS	34.27	34.27	0.00			1.70	1993.21		1442.71
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	30.82	30.79	0.02	0.01		155.08	10831.76	157.02	1381.10
Hempstead Lake	5930.638	Max WS	30.70	30.68	0.02	0.01		341.62	10586.03	216.02	1448.48
Hempstead Lake	5880.638	Max WS	30.60	30.58	0.02	0.01		359.67	10489.10	294.64	1541.19
Hempstead Lake	5830.638	Max WS	30.50	30.48	0.02	0.01		385.30	10350.15	407.66	1541.19
Hempstead Lake	5780.638	Max WS	30.32	30.30	0.02	0.01		472.00	10144.13	524.58	1541.19
Hempstead Lake	5730.638	Max WS	30.13	30.12	0.02	0.01		632.48	9489.56	1018.56	1541.19
Hempstead Lake	5680.638	Max WS	30.05	30.03	0.02	0.02		719.21	8975.47	1444.04	1541.19
Hempstead Lake	5630.638	Max WS	25.56	25.48	0.07	0.07		264.06	8302.13	2542.03	1286.23
Hempstead Lake	5580.638	Max WS	25.39	25.33	0.06	0.06		504.59	8348.28	2251.91	1287.33
Hempstead Lake	5530.638	Max WS	25.11	25.05	0.06	0.08		608.08	8470.26	2026.37	1275.12
Hempstead Lake	5480.638	Max WS	24.66	24.58	0.08	0.12		538.34	8639.97	1926.25	1262.99
Hempstead Lake	5430.638	Max WS	23.92	23.80	0.12	0.11		404.25	8686.11	2013.66	1251.30
Hempstead Lake	5380.638	Max WS	23.37	23.20	0.17	0.13		163.50	9925.22	1012.51	1207.28
Hempstead Lake	5330.638	Max WS	22.75	22.58	0.17	0.14		385.93	8811.69	1895.97	1199.06
Hempstead Lake	5307.48*	Max WS	22.49	22.34	0.16	0.10		295.42	9481.06	1308.32	1214.44
Hempstead Lake	5284.32*	Max WS	22.39	22.25	0.14	0.07		255.49	9864.60	960.88	1209.93
Hempstead Lake	5261.17*	Max WS	22.31	22.19	0.12	0.05		227.23	10078.71	773.07	1197.52
Hempstead Lake	5238.01*	Max WS	22.26	22.16	0.10	0.04		208.31	10182.43	667.58	1185.66
Hempstead Lake	5214.85*	Max WS	22.22	22.13	0.09	0.03		198.32	10273.83	582.71	1185.21
Hempstead Lake	5191.70*	Max WS	22.19	22.11	0.07	0.02		194.58	10341.08	517.23	1187.20
Hempstead Lake	5168.54*	Max WS	22.16	22.10	0.06	0.02		194.27	10362.99	462.22	1190.69
Hempstead Lake	5145.39*	Max WS	22.14	22.09	0.06	0.01		198.27	10396.65	419.79	1193.14
Hempstead Lake	5122.23*	Max WS	22.13	22.08	0.05	0.01		206.20	10419.27	385.69	1196.35
Hempstead Lake	5099.07*	Max WS	22.12	22.07	0.04	0.00		219.05	10433.12	356.63	1199.60
Hempstead Lake	5075.922	Max WS	22.11	22.07	0.04	0.00		103.82	10758.95	144.84	1203.56
Hempstead Lake	5055.96*	Max WS	22.11	22.07	0.04	0.00		202.81	10490.04	259.87	1192.65
Hempstead Lake	5036.01*	Max WS	22.10	22.07	0.03	0.00		169.56	10553.52	225.48	1173.07
Hempstead Lake	5016.05*	Max WS	22.10	22.07	0.03	0.00		142.26	10606.43	196.45	1168.88
Hempstead Lake	4996.10*	Max WS	22.09	22.07	0.03	0.00		115.83	10659.19	167.34	1168.61
Hempstead Lake	4976.14*	Max WS	22.09	22.07	0.03	0.00		94.51	10703.16	142.55	1169.91
Hempstead Lake	4956.192	Max WS	22.09	22.07	0.02	0.00		51.11	10788.17	99.33	1172.20
Hempstead Lake	4936.44*	Max WS	22.09	22.07	0.02	0.00		113.55	10707.94	116.02	1169.42
Hempstead Lake	4916.69*	Max WS	22.09	22.07	0.02	0.00		134.99	10672.46	129.49	1163.69
Hempstead Lake	4896.94*	Max WS	22.09	22.07	0.02	0.00		156.98	10555.48	143.78	1158.53
Hempstead Lake	4877.19*	Max WS	22.08	22.07	0.02	0.00		176.18	10519.57	156.91	1152.95
Hempstead Lake	4857.44*	Max WS	22.08	22.07	0.01	0.00		201.85	10475.05	172.68	1147.72
Hempstead Lake	4837.697	Max WS	22.08	22.07	0.01	0.00		90.11	10621.37	135.52	1140.67
Hempstead Lake	4817.64*	Max WS	22.08	22.06	0.01	0.00		302.22	10423.34	172.07	1135.05
Hempstead Lake	4797.59*	Max WS	22.08	22.06	0.01	0.00		325.62	10415.93	154.51	1129.07
Hempstead Lake	4777.53*	Max WS	22.07	22.06	0.01	0.00		349.36	10407.36	138.36	1123.35
Hempstead Lake	4757.48*	Max WS	22.07	22.06	0.01	0.00		378.06	10392.87	123.71	1117.01
Hempstead Lake	4737.42*	Max WS	22.07	22.06	0.01	0.00		398.95	10286.84	109.21	1110.28
Hempstead Lake	4717.37*	Max WS	22.07	22.05	0.01	0.00		423.86	10270.95	97.11	1104.01
Hempstead Lake	4697.32*	Max WS	22.06	22.05	0.01	0.00		449.00	10254.63	85.85	1097.60
Hempstead Lake	4677.26*	Max WS	22.06	22.05	0.01	0.00		479.37	10232.47	75.83	1091.05
Hempstead Lake	4657.21*	Max WS	22.06	22.05	0.01	0.00		512.05	10207.46	66.98	1083.79
Hempstead Lake	4637.16*	Max WS	22.06	22.05	0.01	0.00		538.83	10187.87	59.22	1076.10
Hempstead Lake	4617.10*	Max WS	22.06	22.04	0.01	0.00		559.53	10065.47	51.95	1067.96
Hempstead Lake	4597.05*	Max WS	22.05	22.04	0.01	0.00		585.68	10042.31	46.08	1060.64

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4577.*	Max WS	22.05	22.04	0.01	0.00		622.51	10008.49	40.80	1055.62
Hempstead Lake	4556.94*	Max WS	22.05	22.04	0.01	0.00		650.18	9983.85	36.06	1049.91
Hempstead Lake	4536.893	Max WS	22.05	22.04	0.01	0.00		374.61	10282.83	11.54	1045.35
Hempstead Lake	4516.70*	Max WS	22.05	22.03	0.01	0.00		707.77	9929.06	35.13	1042.65
Hempstead Lake	4496.51*	Max WS	22.04	22.03	0.01	0.00		704.00	9810.73	41.76	1040.19
Hempstead Lake	4476.32*	Max WS	22.04	22.03	0.01	0.00		692.93	9811.19	49.48	1037.79
Hempstead Lake	4456.14*	Max WS	22.04	22.03	0.01	0.00		695.90	9797.96	57.47	1035.91
Hempstead Lake	4435.95*	Max WS	22.04	22.03	0.01	0.00		699.59	9783.99	66.10	1034.57
Hempstead Lake	4415.76*	Max WS	22.04	22.03	0.01	0.00		687.26	9786.25	75.10	1033.09
Hempstead Lake	4395.57*	Max WS	22.03	22.02	0.01	0.00		689.76	9773.78	84.58	1033.82
Hempstead Lake	4375.38*	Max WS	22.03	22.02	0.01	0.00		669.38	9663.58	93.57	1034.63
Hempstead Lake	4355.20*	Max WS	22.03	22.02	0.01	0.00		672.80	9647.12	103.69	1035.19
Hempstead Lake	4335.01*	Max WS	22.03	22.02	0.01	0.00		676.45	9630.68	114.21	1035.39
Hempstead Lake	4314.82*	Max WS	22.03	22.02	0.01	0.00		662.89	9631.60	125.18	1036.01
Hempstead Lake	4294.63*	Max WS	22.03	22.02	0.01	0.00		667.00	9615.02	136.57	1036.16
Hempstead Lake	4274.44*	Max WS	22.02	22.01	0.01	0.00		653.50	9616.16	148.42	1036.74
Hempstead Lake	4254.26*	Max WS	22.02	22.01	0.01	0.00		649.44	9483.84	158.40	1036.90
Hempstead Lake	4234.07*	Max WS	22.02	22.01	0.01	0.00		653.68	9464.62	170.31	1037.08
Hempstead Lake	4213.88*	Max WS	22.02	22.01	0.01	0.00		639.62	9463.60	182.94	1037.45
Hempstead Lake	4193.69*	Max WS	22.02	22.01	0.01	0.00		643.91	9445.07	195.33	1037.59
Hempstead Lake	4173.50*	Max WS	22.02	22.01	0.01	0.00		629.79	9445.06	208.20	1037.76
Hempstead Lake	4153.320	Max WS	22.02	22.01	0.01	0.00		259.88	9805.64	216.83	1037.50
Hempstead Lake	4131.85*	Max WS	22.01	22.01	0.01	0.00		578.63	9351.02	225.51	1030.58
Hempstead Lake	4110.38*	Max WS	22.01	22.00	0.01	0.00		564.65	9355.45	231.80	1023.39
Hempstead Lake	4088.91*	Max WS	22.01	22.00	0.01	0.00		565.25	9346.38	237.72	1017.23
Hempstead Lake	4067.44*	Max WS	22.01	22.00	0.01	0.00		547.97	9355.10	244.44	1011.88
Hempstead Lake	4045.97*	Max WS	22.01	22.00	0.01	0.00		529.47	9365.77	251.17	1006.95
Hempstead Lake	4024.50*	Max WS	22.01	22.00	0.01	0.00		518.76	9239.06	254.38	1002.51
Hempstead Lake	4003.034	Max WS	22.00	22.00	0.01	0.00		203.15	9545.06	259.91	998.44
Hempstead Lake	3984.01*	Max WS	22.00	21.99	0.01	0.00		410.40	9347.87	246.81	995.94
Hempstead Lake	3964.99*	Max WS	22.00	21.99	0.01	0.00		424.02	9342.71	235.99	1016.29
Hempstead Lake	3945.97*	Max WS	22.00	21.99	0.02	0.00		479.04	10277.82	250.22	1033.90
Hempstead Lake	3926.95*	Max WS	22.00	21.98	0.02	0.00		507.51	10258.16	241.39	1085.40
Hempstead Lake	3907.93*	Max WS	22.00	21.97	0.02	0.00		544.83	10206.01	256.15	1140.84
Hempstead Lake	3888.916	Max WS	21.99	21.96	0.02	0.00		216.34	9310.84	219.22	1117.74
Hempstead Lake	3883.916	Max WS	21.99	21.96	0.03			191.76	9339.58	216.95	1121.73
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	21.95	21.92	0.03	0.00		109.81	9549.80	88.68	1126.80
Hempstead Lake	3858.916	Max WS	21.95	21.92	0.03	0.00		121.30	9532.24	94.61	1128.35
Hempstead Lake	3826.579	Max WS	21.92	21.88	0.05	0.00		187.39	9373.75	88.92	1132.73
Hempstead Lake	3821.579	Max WS	21.92	21.87	0.05			201.99	9361.47	86.37	1133.64
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	21.90	21.85	0.05	0.00		555.23	8807.52	287.08	1210.03
Hempstead Lake	3736.579	Max WS	21.90	21.85	0.05	0.00		328.70	9208.00	112.67	1214.59
Hempstead Lake	3699.46*	Max WS	21.91	21.86	0.04	0.00		356.50	9115.55	175.42	1262.07
Hempstead Lake	3662.35*	Max WS	21.90	21.86	0.04	0.00		352.59	8903.52	288.68	1271.65
Hempstead Lake	3625.24*	Max WS	21.89	21.86	0.03	0.00		344.45	8768.60	426.09	1310.91
Hempstead Lake	3588.13*	Max WS	21.89	21.86	0.03	0.00		338.30	8490.29	598.68	1352.80
Hempstead Lake	3551.028	Max WS	21.88	21.85	0.03	0.00		296.90	8400.78	719.86	1394.59
Hempstead Lake	3531.67*	Max WS	21.88	21.85	0.03	0.00		359.18	8284.95	770.69	1401.39
Hempstead Lake	3512.33*	Max WS	21.88	21.85	0.03	0.00		356.08	8278.97	665.34	1402.86
Hempstead Lake	3492.98*	Max WS	21.87	21.84	0.03	0.00		356.45	8365.85	571.26	1397.74
Hempstead Lake	3473.63*	Max WS	21.87	21.84	0.04	0.00		355.62	8448.85	484.44	1385.26
Hempstead Lake	3454.28*	Max WS	21.87	21.83	0.04	0.00		351.90	8494.75	439.99	1333.40
Hempstead Lake	3434.93*	Max WS	21.86	21.82	0.04	0.00		339.59	8466.17	357.49	1325.34
Hempstead Lake	3415.58*	Max WS	21.86	21.82	0.04	0.00		334.48	8532.11	290.81	1316.68
Hempstead Lake	3396.239	Max WS	21.86	21.81	0.04	0.00		390.20	8490.55	273.22	1307.84
Hempstead Lake	3376.88*	Max WS	21.85	21.81	0.04	0.00		346.52	8469.52	226.73	1297.69
Hempstead Lake	3357.52*	Max WS	21.85	21.81	0.04	0.00		368.25	8440.44	227.05	1287.11
Hempstead Lake	3338.16*	Max WS	21.85	21.80	0.04	0.00		390.93	8412.45	227.45	1277.07
Hempstead Lake	3318.80*	Max WS	21.84	21.80	0.04	0.00		414.34	8386.02	228.30	1268.41
Hempstead Lake	3299.44*	Max WS	21.84	21.80	0.04	0.00		433.61	8253.24	227.73	1257.33
Hempstead Lake	3280.08*	Max WS	21.84	21.79	0.04	0.00		458.32	8213.96	235.94	1238.69
Hempstead Lake	3260.73*	Max WS	21.83	21.79	0.04	0.00		482.74	8174.19	247.48	1220.74
Hempstead Lake	3241.37*	Max WS	21.83	21.78	0.04	0.00		496.64	8042.47	248.74	1210.96
Hempstead Lake	3222.01*	Max WS	21.82	21.78	0.04	0.00		523.18	7998.91	257.06	1201.59
Hempstead Lake	3202.65*	Max WS	21.82	21.78	0.04	0.00		550.58	7955.53	266.69	1193.42
Hempstead Lake	3183.29*	Max WS	21.82	21.77	0.04	0.00		579.49	7912.28	277.17	1185.42
Hempstead Lake	3163.93*	Max WS	21.81	21.77	0.04	0.00		600.78	7768.79	284.37	1178.52
Hempstead Lake	3144.581	Max WS	21.81	21.76	0.04	0.00		588.15	7780.92	275.90	1171.79
Hempstead Lake	3124.73*	Max WS	21.81	21.76	0.04	0.00		577.36	7802.08	258.88	1204.74
Hempstead Lake	3104.89*	Max WS	21.80	21.76	0.04	0.00		587.39	7793.61	253.48	1264.49

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3085.04*	Max WS	21.80	21.75	0.04	0.00		582.66	7679.09	246.76	1369.11
Hempstead Lake	3065.2*	Max WS	21.79	21.75	0.04	0.00		582.10	7670.16	246.33	1414.46
Hempstead Lake	3045.35*	Max WS	21.79	21.75	0.04	0.00		571.37	7674.76	244.31	1461.17
Hempstead Lake	3025.51*	Max WS	21.79	21.74	0.04	0.00		580.58	7656.21	248.32	1488.94
Hempstead Lake	3005.66*	Max WS	21.78	21.74	0.04	0.00		581.38	7522.28	251.25	1511.99
Hempstead Lake	2985.81*	Max WS	21.81	21.74	0.07	0.00		759.76	9819.54	332.77	1537.33
Hempstead Lake	2965.974	Max WS	21.81	21.74	0.07	0.00		830.38	9748.31	372.02	1562.99
Hempstead Lake	2951.87*	Max WS	21.80	21.74	0.07	0.00		884.41	9682.49	383.18	1569.78
Hempstead Lake	2937.77*	Max WS	21.80	21.74	0.06	0.00		886.32	9690.09	373.11	1583.73
Hempstead Lake	2923.67*	Max WS	21.80	21.74	0.06	0.00		888.45	9694.64	365.88	1594.09
Hempstead Lake	2909.57*	Max WS	21.80	21.73	0.06	0.00		889.18	9699.15	360.13	1601.64
Hempstead Lake	2895.47*	Max WS	21.79	21.73	0.06	0.00		892.16	9700.47	355.32	1607.77
Hempstead Lake	2881.37*	Max WS	21.79	21.73	0.06	0.00		895.20	9702.49	349.75	1612.83
Hempstead Lake	2867.27*	Max WS	21.79	21.73	0.06	0.00		904.00	9698.15	344.82	1614.42
Hempstead Lake	2853.17*	Max WS	21.79	21.73	0.06	0.00		909.57	9697.52	339.45	1615.16
Hempstead Lake	2839.07*	Max WS	21.79	21.73	0.06	0.00		916.97	9694.15	335.03	1615.52
Hempstead Lake	2824.98*	Max WS	21.78	21.73	0.06	0.00		924.55	9691.76	329.49	1615.29
Hempstead Lake	2810.88*	Max WS	21.78	21.73	0.06	0.00		930.36	9694.29	320.83	1622.05
Hempstead Lake	2796.78*	Max WS	21.78	21.72	0.05	0.00		937.87	9692.22	315.10	1627.35
Hempstead Lake	2782.68*	Max WS	21.78	21.72	0.05	0.00		929.12	9707.73	308.09	1653.78
Hempstead Lake	2768.58*	Max WS	21.78	21.72	0.05	0.00		927.20	9716.09	301.41	1680.60
Hempstead Lake	2754.48*	Max WS	21.77	21.72	0.05	0.00		929.44	9722.71	292.36	1706.54
Hempstead Lake	2740.38*	Max WS	21.77	21.72	0.05	0.00		936.29	9729.33	278.72	1742.66
Hempstead Lake	2726.28*	Max WS	21.77	21.72	0.05	0.00		944.87	9749.07	250.26	1787.04
Hempstead Lake	2712.18*	Max WS	21.77	21.72	0.05	0.00		948.95	9735.77	259.37	1755.16
Hempstead Lake	2698.08*	Max WS	21.76	21.72	0.05	0.00		955.83	9721.41	266.75	1718.51
Hempstead Lake	2683.98*	Max WS	21.76	21.71	0.05	0.00		969.40	9702.06	272.45	1674.95
Hempstead Lake	2669.88*	Max WS	21.76	21.71	0.05	0.00		980.62	9687.09	276.15	1631.39
Hempstead Lake	2655.78*	Max WS	21.76	21.71	0.05	0.00		992.34	9673.61	277.88	1587.83
Hempstead Lake	2641.68*	Max WS	21.76	21.71	0.05	0.00		1002.71	9680.60	277.23	1544.28
Hempstead Lake	2627.58*	Max WS	21.75	21.71	0.05	0.00		1008.63	9676.86	273.95	1500.72
Hempstead Lake	2613.48*	Max WS	21.75	21.71	0.04	0.00		1014.50	9675.24	268.68	1457.16
Hempstead Lake	2599.38*	Max WS	21.75	21.71	0.04	0.00		1017.90	9678.95	260.58	1413.60
Hempstead Lake	2585.29*	Max WS	21.75	21.71	0.04	0.00		1024.48	9680.72	251.32	1370.04
Hempstead Lake	2571.19*	Max WS	21.75	21.70	0.04	0.00		1024.91	9692.44	238.39	1326.49
Hempstead Lake	2557.091	Max WS	21.71	21.68	0.04	0.00		1502.42	9117.02	324.53	1282.93
Hempstead Lake	2552.091	Max WS	21.65	21.63	0.02			1250.70	5879.79	303.25	1282.93
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	21.63	21.61	0.02	0.00		1296.69	5869.39	267.66	1282.93
Hempstead Lake	2487.091	Max WS	21.66	21.64	0.02	0.00		962.71	6288.10	181.14	1282.93
Hempstead Lake	2477.12*	Max WS	21.66	21.64	0.02	0.00		678.66	6599.93	148.94	1295.08
Hempstead Lake	2467.14*	Max WS	21.66	21.64	0.02	0.00		704.49	6540.47	178.51	1307.22
Hempstead Lake	2457.17*	Max WS	21.65	21.64	0.02	0.00		730.59	6477.79	211.38	1319.37
Hempstead Lake	2447.20*	Max WS	21.65	21.63	0.02	0.00		757.50	6410.93	247.99	1331.51
Hempstead Lake	2437.23*	Max WS	21.65	21.63	0.02	0.00		973.12	6082.72	357.64	1343.66
Hempstead Lake	2427.26*	Max WS	21.64	21.63	0.02	0.00		995.73	6007.15	408.07	1355.81
Hempstead Lake	2417.29*	Max WS	21.64	21.63	0.02	0.00		1018.11	5928.99	461.78	1367.95
Hempstead Lake	2407.32*	Max WS	21.64	21.62	0.02	0.00		866.49	6108.89	431.94	1380.10
Hempstead Lake	2397.35*	Max WS	21.64	21.62	0.02	0.00		894.02	6024.01	488.27	1392.24
Hempstead Lake	2387.37*	Max WS	21.64	21.62	0.02	0.00		920.94	5936.22	548.70	1404.39
Hempstead Lake	2377.40*	Max WS	21.63	21.62	0.02	0.00		934.02	5756.36	603.33	1416.54
Hempstead Lake	2367.43*	Max WS	21.63	21.61	0.02	0.00		962.74	5652.00	673.41	1426.89
Hempstead Lake	2357.46*	Max WS	21.63	21.61	0.02	0.00		987.35	5543.77	751.33	1431.23
Hempstead Lake	2347.49*	Max WS	21.63	21.61	0.02	0.00		1010.15	5424.28	842.17	1427.43
Hempstead Lake	2337.52*	Max WS	21.63	21.61	0.02	0.00		1032.59	5299.58	938.40	1426.31
Hempstead Lake	2327.55*	Max WS	21.63	21.61	0.02	0.00		1055.99	5177.95	1030.48	1433.88
Hempstead Lake	2317.58*	Max WS	21.63	21.61	0.02	0.00		1078.26	5052.37	1127.56	1441.43
Hempstead Lake	2307.60*	Max WS	21.62	21.61	0.02	0.00		1100.71	4921.79	1229.43	1449.16
Hempstead Lake	2297.63*	Max WS	21.62	21.61	0.02	0.00		1121.71	4790.24	1333.70	1457.29
Hempstead Lake	2287.66*	Max WS	21.62	21.61	0.02	0.00		1142.06	4655.44	1441.89	1465.29
Hempstead Lake	2277.69*	Max WS	21.62	21.61	0.01	0.00		1161.35	4518.10	1553.70	1473.40
Hempstead Lake	2267.72*	Max WS	21.62	21.61	0.01	0.00		1179.67	4378.23	1669.02	1481.67
Hempstead Lake	2257.752	Max WS	21.62	21.61	0.01	0.00		1494.49	3496.18	2230.03	1490.00
Hempstead Lake	2252.75*	Max WS	21.62	21.60	0.01	0.00		1465.60	3594.95	2156.32	1448.13
Hempstead Lake	2247.752	Max WS	21.61	21.60	0.01			1719.00	3054.27	2439.78	1432.94
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	21.56	21.53	0.03	0.00		1497.77	3401.93	2313.36	1410.20
Hempstead Lake	2192.75*	Max WS	21.56	21.53	0.03	0.00		1628.81	3599.11	1982.11	1414.36
Hempstead Lake	2187.752	Max WS	21.57	21.53	0.04	0.00		1759.96	3719.04	1727.88	1418.55
Hempstead Lake	2178.63*	Max WS	21.56	21.52	0.04	0.00		1727.80	3745.79	1730.77	1415.68
Hempstead Lake	2169.52*	Max WS	21.56	21.52	0.04	0.00		1696.54	3771.85	1733.62	1413.04
Hempstead Lake	2160.40*	Max WS	21.56	21.52	0.04	0.00		1664.98	3797.61	1737.18	1410.49

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

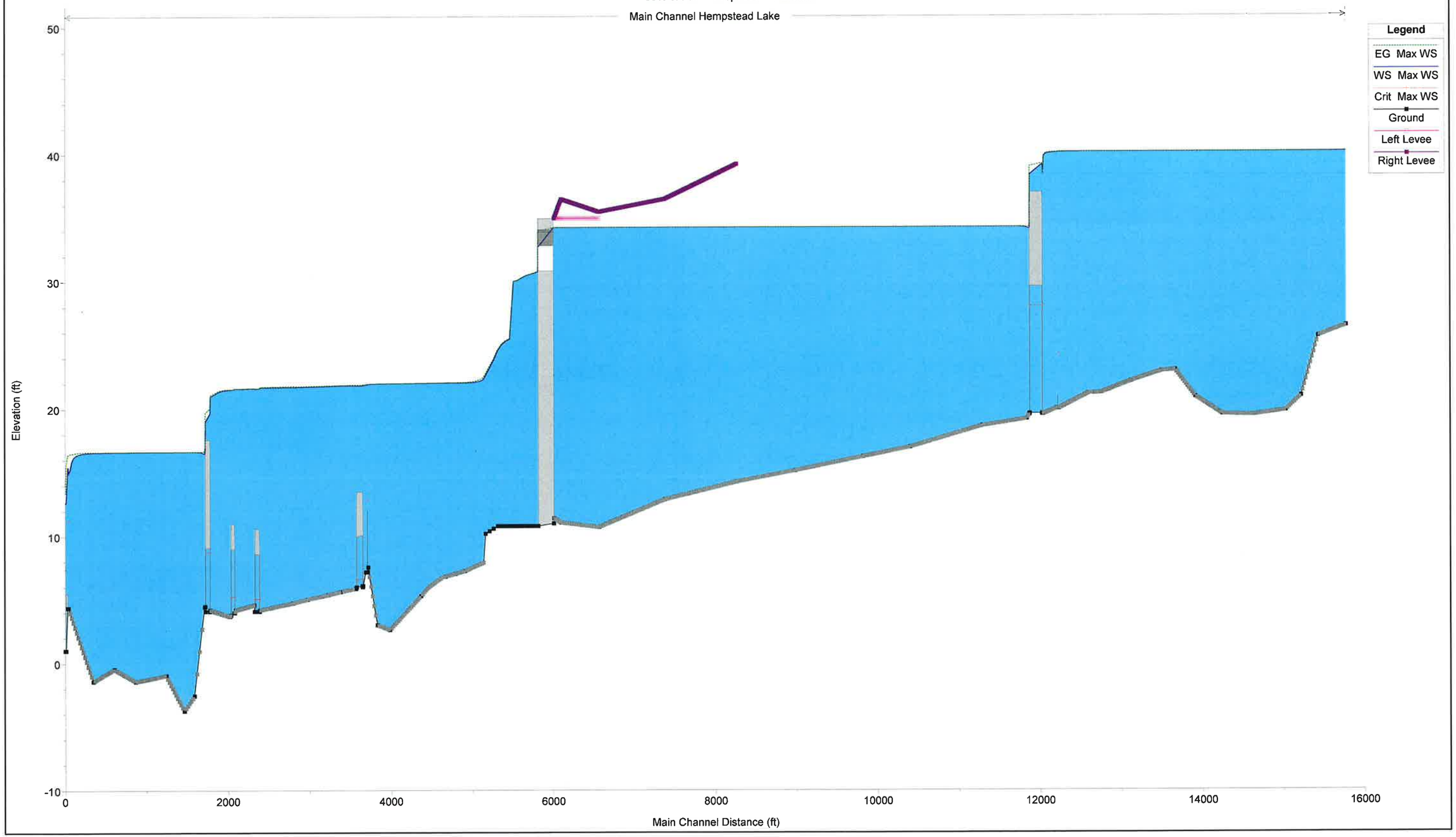
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2151.29*	Max WS	21.55	21.51	0.04	0.00		1633.31	3824.19	1740.20	1408.11
Hempstead Lake	2142.17*	Max WS	21.55	21.50	0.05	0.00		1600.86	3852.43	1742.47	1405.91
Hempstead Lake	2133.05*	Max WS	21.54	21.50	0.05	0.00		1568.27	3879.96	1745.76	1404.17
Hempstead Lake	2123.94*	Max WS	21.54	21.49	0.05	0.00		1535.45	3907.19	1749.74	1401.53
Hempstead Lake	2114.82*	Max WS	21.53	21.48	0.05	0.00		1502.06	3935.11	1753.77	1399.34
Hempstead Lake	2105.71*	Max WS	21.52	21.47	0.05	0.00		1468.26	3963.87	1757.56	1397.15
Hempstead Lake	2096.59*	Max WS	21.51	21.46	0.06	0.00		1434.58	3992.83	1761.20	1395.15
Hempstead Lake	2087.48*	Max WS	21.50	21.44	0.06	0.00		1399.44	4024.12	1764.19	1393.17
Hempstead Lake	2078.36*	Max WS	21.49	21.43	0.06	0.00		1364.74	4054.94	1767.45	1391.48
Hempstead Lake	2069.25*	Max WS	21.47	21.41	0.06	0.00		1329.13	4088.47	1769.12	1391.49
Hempstead Lake	2060.13*	Max WS	21.45	21.39	0.07	0.00		1292.67	4123.20	1770.65	1391.07
Hempstead Lake	2051.01*	Max WS	21.43	21.36	0.07	0.00		1243.80	4121.67	1755.99	1390.65
Hempstead Lake	2041.90*	Max WS	21.41	21.34	0.07	0.00		1205.01	4158.19	1757.91	1389.70
Hempstead Lake	2032.78*	Max WS	21.38	21.30	0.08	0.00		1164.73	4197.63	1758.58	1388.41
Hempstead Lake	2023.67*	Max WS	21.34	21.26	0.08	0.00		1113.12	4208.44	1743.77	1386.73
Hempstead Lake	2014.55*	Max WS	21.30	21.22	0.08	0.00		1069.81	4252.14	1743.23	1384.93
Hempstead Lake	2005.44*	Max WS	21.28	21.19	0.09	0.00		1022.35	4258.77	1735.86	1383.61
Hempstead Lake	1996.32*	Max WS	21.26	21.16	0.09	0.00		981.21	4295.23	1740.40	1382.13
Hempstead Lake	1987.20*	Max WS	21.23	21.13	0.10	0.00		933.67	4307.17	1733.18	1380.30
Hempstead Lake	1978.09*	Max WS	21.20	21.10	0.10	0.00		891.13	4346.63	1736.12	1378.34
Hempstead Lake	1968.97*	Max WS	21.17	21.06	0.11	0.00		847.05	4385.34	1741.42	1376.11
Hempstead Lake	1959.86*	Max WS	21.14	21.03	0.11	0.00		798.11	4401.14	1735.07	1373.81
Hempstead Lake	1950.747	Max WS	21.07	20.95	0.12	0.00		743.00	4463.39	1727.76	1370.01
Hempstead Lake	1945.747	Max WS	20.05	19.64	0.41			854.11	5263.23	4816.21	1226.55
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	16.94	16.78	0.16	0.01		0.12	3168.35	6858.86	918.92
Hempstead Lake	1880.747	Max WS	16.72	16.51	0.20	0.01		1.53	8039.97	1910.54	896.21
Hempstead Lake	1848.83*	Max WS	16.68	16.62	0.06	0.00		38.45	9354.21	589.35	1031.33
Hempstead Lake	1816.92*	Max WS	16.67	16.65	0.02	0.00		85.82	9659.49	246.45	1092.42
Hempstead Lake	1785.01*	Max WS	16.67	16.66	0.01	0.00		138.60	9703.16	154.70	1106.97
Hempstead Lake	1753.104	Max WS	16.66	16.66	0.01	0.00		78.16	9876.81	41.39	1220.87
Hempstead Lake	1732.65*	Max WS	16.66	16.66	0.01	0.00		210.90	9610.08	175.31	1261.68
Hempstead Lake	1712.21*	Max WS	16.66	16.66	0.01	0.00		221.23	9525.54	249.46	1306.01
Hempstead Lake	1691.76*	Max WS	16.66	16.66	0.01	0.00		233.04	9421.59	341.54	1342.03
Hempstead Lake	1671.32*	Max WS	16.66	16.66	0.01	0.00		245.24	9299.44	451.42	1375.40
Hempstead Lake	1650.87*	Max WS	16.66	16.66	0.00	0.00		256.98	9160.13	578.92	1408.54
Hempstead Lake	1630.434	Max WS	16.66	16.66	0.00	0.00		127.77	9309.24	558.95	1437.31
Hempstead Lake	1610.36*	Max WS	16.66	16.66	0.00	0.00		267.14	9053.81	674.95	1425.51
Hempstead Lake	1590.30*	Max WS	16.66	16.66	0.01	0.00		228.47	9139.44	627.92	1412.27
Hempstead Lake	1570.23*	Max WS	16.66	16.66	0.01	0.00		191.87	9222.61	581.27	1397.29
Hempstead Lake	1550.17*	Max WS	16.66	16.65	0.01	0.00		152.79	9307.43	535.46	1380.41
Hempstead Lake	1530.10*	Max WS	16.66	16.65	0.01	0.00		121.57	9383.42	490.61	1360.51
Hempstead Lake	1510.03*	Max WS	16.66	16.65	0.01	0.00		91.39	9462.45	437.97	1340.66
Hempstead Lake	1489.97*	Max WS	16.66	16.65	0.01	0.00		66.52	9534.89	394.02	1321.14
Hempstead Lake	1469.90*	Max WS	16.66	16.65	0.01	0.00		45.13	9596.10	350.59	1299.44
Hempstead Lake	1449.83*	Max WS	16.66	16.65	0.01	0.00		27.68	9655.47	308.66	1273.56
Hempstead Lake	1429.77*	Max WS	16.66	16.65	0.01	0.00		13.95	9709.55	268.29	1230.23
Hempstead Lake	1409.707	Max WS	16.66	16.65	0.01	0.00		3.27	9670.41	318.11	1174.39
Hempstead Lake	1389.03*	Max WS	16.66	16.64	0.01	0.00		4.41	10602.71	243.60	1168.25
Hempstead Lake	1368.35*	Max WS	16.66	16.64	0.01	0.00		3.69	10600.65	246.36	1202.46
Hempstead Lake	1347.67*	Max WS	16.66	16.64	0.01	0.00		5.00	10596.46	249.21	1217.09
Hempstead Lake	1326.99*	Max WS	16.66	16.64	0.01	0.00		7.06	10591.51	252.07	1219.19
Hempstead Lake	1306.32*	Max WS	16.66	16.64	0.01	0.00		9.87	10576.92	263.83	1216.32
Hempstead Lake	1285.64*	Max WS	16.66	16.64	0.01	0.00		12.81	10570.04	267.75	1209.80
Hempstead Lake	1264.96*	Max WS	16.66	16.64	0.01	0.00		16.02	10562.47	272.09	1201.22
Hempstead Lake	1244.28*	Max WS	16.66	16.64	0.01	0.00		19.53	10554.20	276.83	1191.95
Hempstead Lake	1223.61*	Max WS	16.66	16.64	0.01	0.00		23.24	10544.93	282.37	1181.11
Hempstead Lake	1202.93*	Max WS	16.66	16.64	0.01	0.00		27.24	10534.60	288.68	1169.20
Hempstead Lake	1182.25*	Max WS	16.66	16.64	0.01	0.00		31.32	10523.46	295.71	1156.54
Hempstead Lake	1161.57*	Max WS	16.66	16.64	0.01	0.00		35.64	10511.07	303.78	1142.91
Hempstead Lake	1140.90*	Max WS	16.66	16.64	0.01	0.00		40.07	10497.66	312.74	1128.32
Hempstead Lake	1120.22*	Max WS	16.66	16.64	0.01	0.00		46.11	10474.88	329.47	1120.87
Hempstead Lake	1099.54*	Max WS	16.65	16.64	0.01	0.00		50.90	10463.21	336.34	1113.32
Hempstead Lake	1078.87*	Max WS	16.65	16.64	0.01	0.00		55.81	10450.97	343.64	1105.96
Hempstead Lake	1058.19*	Max WS	16.65	16.64	0.01	0.00		60.91	10438.85	350.64	1098.76
Hempstead Lake	1037.515	Max WS	16.65	16.64	0.01	0.00		60.63	10144.17	645.59	1091.60
Hempstead Lake	1017.08*	Max WS	16.65	16.64	0.01	0.00		175.66	10298.87	380.80	1084.20
Hempstead Lake	996.645*	Max WS	16.65	16.64	0.01	0.00		215.50	10207.59	432.23	1076.94
Hempstead Lake	976.210*	Max WS	16.65	16.64	0.01	0.00		260.98	10121.13	473.19	1069.57
Hempstead Lake	955.775*	Max WS	16.65	16.64	0.01	0.00		311.07	10018.27	525.94	1064.23
Hempstead Lake	935.340*	Max WS	16.65	16.64	0.01	0.00		359.34	9927.06	568.87	1059.18
Hempstead Lake	914.905*	Max WS	16.65	16.64	0.01	0.00		419.81	9811.92	623.52	1052.71

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	894.471*	Max WS	16.65	16.64	0.01	0.00		491.40	9697.44	666.39	1045.98
Hempstead Lake	874.036*	Max WS	16.65	16.64	0.01	0.00		565.11	9569.03	721.09	1038.90
Hempstead Lake	853.601*	Max WS	16.65	16.64	0.01	0.00		635.97	9453.79	765.44	1032.24
Hempstead Lake	833.166*	Max WS	16.65	16.63	0.01	0.00		722.77	9312.88	819.54	1027.54
Hempstead Lake	812.731*	Max WS	16.65	16.63	0.01	0.00		827.76	9174.15	853.26	1035.37
Hempstead Lake	792.296*	Max WS	16.65	16.63	0.01	0.00		929.96	9025.52	899.68	1047.32
Hempstead Lake	771.862	Max WS	16.65	16.63	0.02	0.00		439.84	9518.18	897.13	1047.36
Hempstead Lake	750.331*	Max WS	16.65	16.63	0.01	0.00		890.35	9122.09	845.01	1053.34
Hempstead Lake	728.8*	Max WS	16.64	16.63	0.02	0.00		746.99	9350.09	760.35	1059.08
Hempstead Lake	707.269*	Max WS	16.64	16.63	0.02	0.00		620.93	9570.66	665.82	1058.60
Hempstead Lake	685.738*	Max WS	16.64	16.62	0.02	0.00		500.19	9782.59	574.62	1049.90
Hempstead Lake	664.207*	Max WS	16.64	16.62	0.02	0.00		388.79	9981.47	487.13	1034.38
Hempstead Lake	642.676*	Max WS	16.64	16.62	0.02	0.00		284.94	10161.97	410.44	1021.80
Hempstead Lake	621.145*	Max WS	16.64	16.62	0.02	0.00		198.01	10330.79	328.53	1021.46
Hempstead Lake	599.614*	Max WS	16.64	16.61	0.02	0.00		125.62	10476.48	255.17	1017.32
Hempstead Lake	578.083*	Max WS	16.64	16.61	0.03	0.00		68.47	10596.65	192.13	1005.37
Hempstead Lake	556.552*	Max WS	16.64	16.61	0.03	0.00		28.28	10684.67	144.27	974.62
Hempstead Lake	535.021*	Max WS	16.64	16.61	0.03	0.00		5.26	10748.08	103.86	870.64
Hempstead Lake	513.490	Max WS	16.63	16.61	0.03	0.00		0.38	10665.39	191.42	678.84
Hempstead Lake	493.038*	Max WS	16.63	16.60	0.03	0.00		0.45	10756.16	104.28	661.52
Hempstead Lake	472.587*	Max WS	16.63	16.60	0.04	0.00		0.38	10761.51	98.96	644.11
Hempstead Lake	452.136*	Max WS	16.63	16.59	0.04	0.00		0.30	10767.90	92.65	626.56
Hempstead Lake	431.685*	Max WS	16.63	16.58	0.05	0.00		0.23	10775.36	85.24	608.94
Hempstead Lake	411.234*	Max WS	16.63	16.57	0.06	0.00		0.16	10784.88	75.78	591.15
Hempstead Lake	390.783*	Max WS	16.62	16.55	0.07	0.00		0.09	10794.42	66.29	573.10
Hempstead Lake	370.332*	Max WS	16.62	16.53	0.09	0.01		0.04	10804.82	55.92	554.71
Hempstead Lake	349.881*	Max WS	16.61	16.50	0.11	0.01		0.00	10815.91	44.84	535.57
Hempstead Lake	329.430*	Max WS	16.60	16.46	0.14	0.01			10827.25	33.49	516.51
Hempstead Lake	308.979*	Max WS	16.59	16.40	0.19	0.02			10838.77	21.96	498.19
Hempstead Lake	288.528*	Max WS	16.57	16.32	0.26	0.03			10849.45	11.26	479.38
Hempstead Lake	268.077*	Max WS	16.55	16.18	0.37	0.04			10857.91	2.79	459.18
Hempstead Lake	247.626*	Max WS	16.52	15.90	0.62	0.06			10860.68		425.05
Hempstead Lake	227.175*	Max WS	16.49	15.27	1.22	0.06			10860.67		163.61
Hempstead Lake	206.724	Max WS	16.42	14.95	1.47	0.01			10860.66		144.81
Hempstead Lake	201.724	Max WS	16.40	15.45	0.95				10860.66		163.72
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	13.42	12.61	0.80	0.00		3445.08	7415.58		148.88
Hempstead Lake	166.724	Max WS	13.41	12.61	0.80			3444.84	7415.82		148.86

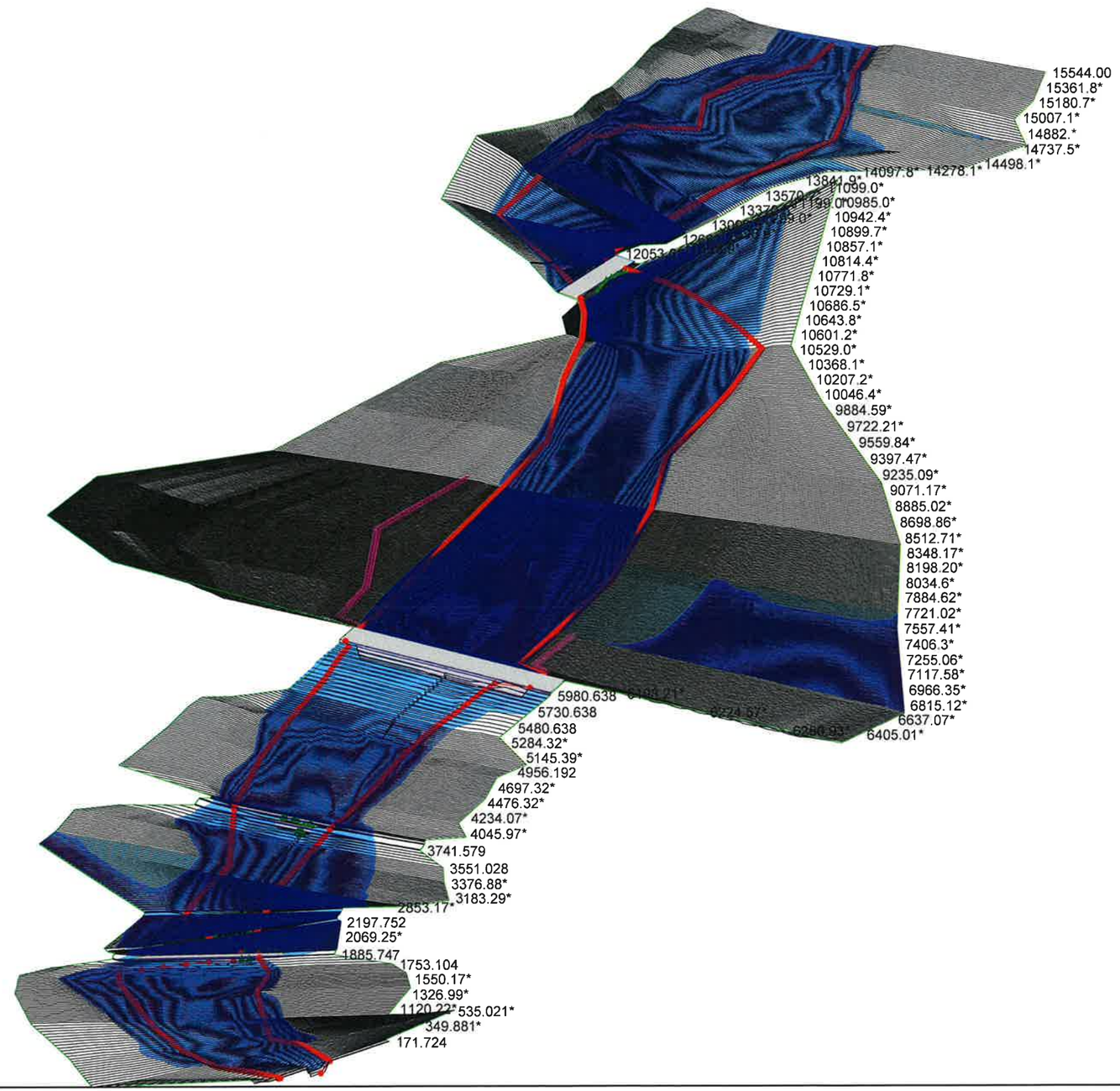
Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

80% of PMF - Proposed - O Breach



Hempstead Lake 8-24-15 Plan: Plan 34 9/1/2015

80% of PMF - Proposed - O Breach



80% Proposed Half PMF Non Breach 9/1/15

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	15544.00	Max WS	6288.49	26.48	40.18		40.20	0.000025	1.23	5921.02	694.75	0.06
Hempstead Lake	15523.7*	Max WS	6277.16	26.43	40.18		40.20	0.000126	1.16	5946.43	685.27	0.06
Hempstead Lake	15503.5*	Max WS	6277.15	26.38	40.18		40.19	0.000117	1.16	5969.41	677.91	0.06
Hempstead Lake	15483.3*	Max WS	6277.13	26.34	40.17		40.19	0.000107	1.16	5989.41	678.36	0.06
Hempstead Lake	15463.0*	Max WS	6265.95	26.29	40.17		40.19	0.000097	1.16	6005.86	680.36	0.06
Hempstead Lake	15442.8*	Max WS	6265.94	26.24	40.17		40.19	0.000091	1.16	6019.73	682.20	0.06
Hempstead Lake	15422.5*	Max WS	6265.92	26.19	40.17		40.19	0.000082	1.16	6031.01	683.72	0.06
Hempstead Lake	15402.3*	Max WS	6265.88	26.15	40.17		40.18	0.000074	1.16	6037.56	684.99	0.06
Hempstead Lake	15382.1*	Max WS	6254.88	26.10	40.17		40.18	0.000069	1.16	6042.23	685.92	0.06
Hempstead Lake	15361.8*	Max WS	6254.87	26.05	40.16		40.18	0.000062	1.16	6043.04	686.52	0.06
Hempstead Lake	15341.6*	Max WS	6254.85	26.00	40.16		40.18	0.000058	1.16	6041.39	686.69	0.06
Hempstead Lake	15321.4*	Max WS	6254.82	25.96	40.16		40.18	0.000051	1.16	6037.01	686.31	0.06
Hempstead Lake	15301.1*	Max WS	6254.78	25.91	40.16		40.18	0.000045	1.16	6029.90	685.46	0.06
Hempstead Lake	15280.9*	Max WS	6254.75	25.86	40.16		40.18	0.000041	1.16	6021.09	683.99	0.06
Hempstead Lake	15260.7*	Max WS	6254.71	25.81	40.16		40.18	0.000036	1.16	6010.27	681.62	0.06
Hempstead Lake	15240.4*	Max WS	6254.66	25.77	40.16		40.18	0.000031	1.16	5998.03	677.95	0.06
Hempstead Lake	15220.2*	Max WS	6254.60	25.72	40.16		40.18	0.000028	1.16	5984.12	675.33	0.06
Hempstead Lake	15200.02	Max WS	6254.54	25.67	40.16		40.18	0.000023	1.16	5969.10	677.17	0.06
Hempstead Lake	15180.7*	Max WS	6244.04	25.24	40.16		40.18	0.000025	1.10	6321.40	702.51	0.06
Hempstead Lake	15161.4*	Max WS	6254.44	24.82	40.16		40.18	0.000027	1.05	6698.53	734.91	0.05
Hempstead Lake	15142.1*	Max WS	6254.41	24.39	40.16		40.18	0.000028	0.99	7101.62	764.60	0.05
Hempstead Lake	15122.8*	Max WS	6254.38	23.96	40.16		40.18	0.000029	0.94	7525.95	792.27	0.05
Hempstead Lake	15103.5*	Max WS	6254.36	23.53	40.16		40.17	0.000029	0.88	7971.70	817.71	0.04
Hempstead Lake	15084.2*	Max WS	6254.35	23.11	40.17		40.17	0.000029	0.83	8436.86	839.81	0.04
Hempstead Lake	15064.9*	Max WS	6264.58	22.68	40.17		40.17	0.000029	0.78	8918.73	861.57	0.04
Hempstead Lake	15045.6*	Max WS	6264.51	22.25	40.17		40.17	0.000028	0.74	9417.24	882.86	0.03
Hempstead Lake	15026.4*	Max WS	6264.44	21.82	40.17		40.17	0.000027	0.70	9932.69	903.85	0.03
Hempstead Lake	15007.1*	Max WS	6254.33	21.40	40.17		40.17	0.000026	0.66	10462.62	924.67	0.03
Hempstead Lake	14987.82	Max WS	6264.33	20.97	40.17		40.17	0.000004	0.64	11009.50	945.31	0.03
Hempstead Lake	14966.6*	Max WS	6302.90	20.84	40.17		40.17	0.000025	0.62	11298.41	963.17	0.03
Hempstead Lake	14945.4*	Max WS	6302.83	20.72	40.17		40.17	0.000023	0.60	11593.10	980.63	0.03
Hempstead Lake	14924.3*	Max WS	6292.99	20.59	40.17		40.17	0.000021	0.58	11898.68	997.72	0.03
Hempstead Lake	14903.1*	Max WS	6302.69	20.46	40.17		40.17	0.000020	0.56	12211.76	1014.34	0.02
Hempstead Lake	14882.*	Max WS	6302.62	20.34	40.17		40.17	0.000019	0.55	12535.13	1030.02	0.02
Hempstead Lake	14860.8*	Max WS	6302.55	20.21	40.17		40.17	0.000017	0.53	12867.56	1046.81	0.02
Hempstead Lake	14839.6*	Max WS	6292.99	20.08	40.17		40.17	0.000016	0.51	13208.60	1062.32	0.02
Hempstead Lake	14818.5*	Max WS	6302.38	19.96	40.17		40.17	0.000015	0.50	13559.12	1076.13	0.02
Hempstead Lake	14797.35	Max WS	6302.30	19.83	40.17		40.17	0.000002	0.50	14001.06	1245.13	0.02
Hempstead Lake	14777.4*	Max WS	6293.00	19.81	40.17		40.17	0.000012	0.47	14218.90	1209.08	0.02
Hempstead Lake	14757.4*	Max WS	6302.14	19.80	40.17		40.17	0.000011	0.46	14467.93	1122.32	0.02
Hempstead Lake	14737.5*	Max WS	6293.00	19.78	40.17		40.17	0.000010	0.46	14743.65	1135.10	0.02
Hempstead Lake	14717.5*	Max WS	6292.99	19.76	40.17		40.17	0.000009	0.45	15023.62	1149.25	0.02
Hempstead Lake	14697.6*	Max WS	6301.91	19.74	40.17		40.17	0.000008	0.44	15305.37	1162.94	0.02
Hempstead Lake	14677.6*	Max WS	6301.84	19.73	40.17		40.17	0.000007	0.43	15588.68	1176.48	0.02
Hempstead Lake	14657.7*	Max WS	6301.76	19.71	40.17		40.17	0.000006	0.42	15875.94	1190.22	0.02
Hempstead Lake	14637.7*	Max WS	6301.68	19.69	40.17		40.17	0.000006	0.42	16164.59	1206.00	0.02
Hempstead Lake	14617.8*	Max WS	6301.60	19.67	40.17		40.17	0.000005	0.41	16456.74	1223.34	0.02
Hempstead Lake	14597.8*	Max WS	6293.01	19.65	40.17		40.17	0.000004	0.40	16753.76	1241.39	0.02
Hempstead Lake	14577.9*	Max WS	6293.00	19.64	40.17		40.17	0.000004	0.40	17053.41	1260.95	0.02
Hempstead Lake	14557.9*	Max WS	6301.37	19.62	40.17		40.17	0.000003	0.39	17362.38	1285.71	0.02
Hempstead Lake	14538.0*	Max WS	6301.28	19.60	40.17		40.17	0.000003	0.38	17677.45	1312.36	0.02
Hempstead Lake	14518.0*	Max WS	6301.20	19.58	40.17		40.17	0.000003	0.38	18005.36	1345.80	0.02
Hempstead Lake	14498.1*	Max WS	6301.11	19.57	40.17		40.17	0.000002	0.37	18359.63	1498.41	0.02
Hempstead Lake	14478.1*	Max WS	6301.03	19.55	40.17		40.17	0.000002	0.36	18762.57	1597.51	0.02
Hempstead Lake	14458.2*	Max WS	6300.94	19.53	40.17		40.17	0.000002	0.36	19191.04	1640.73	0.01
Hempstead Lake	14438.2*	Max WS	6300.84	19.51	40.17		40.17	0.000001	0.35	19642.52	1718.73	0.01
Hempstead Lake	14418.3*	Max WS	6300.76	19.50	40.17		40.17	0.000001	0.35	20109.04	1737.44	0.01
Hempstead Lake	14398.37	Max WS	6300.68	19.48	40.17		40.17	0.000001	0.34	20583.15	1754.38	0.01
Hempstead Lake	14378.3*	Max WS	6300.59	19.48	40.17		40.17	0.000001	0.35	20363.76	1732.79	0.01
Hempstead Lake	14358.3*	Max WS	6300.50	19.49	40.17		40.17	0.000001	0.36	20139.00	1711.41	0.01
Hempstead Lake	14338.2*	Max WS	6300.42	19.49	40.17		40.17	0.000001	0.36	19918.91	1690.30	0.02
Hempstead Lake	14318.2*	Max WS	6300.34	19.49	40.17		40.17	0.000001	0.37	19695.42	1669.80	0.02
Hempstead Lake	14298.2*	Max WS	6300.26	19.49	40.17		40.17	0.000001	0.37	19471.21	1649.62	0.02
Hempstead Lake	14278.1*	Max WS	6300.18	19.50	40.17		40.17	0.000001	0.38	19248.28	1629.95	0.02
Hempstead Lake	14258.1*	Max WS	6300.11	19.50	40.17		40.17	0.000001	0.39	19025.35	1610.75	0.02
Hempstead Lake	14238.1*	Max WS	6300.04	19.50	40.17		40.17	0.000001	0.39	18802.86	1592.43	0.02
Hempstead Lake	14218.0*	Max WS	6299.96	19.50	40.17		40.17	0.000001	0.40	18580.08	1574.98	0.02
Hempstead Lake	14198.0*	Max WS	6299.90	19.51	40.17		40.17	0.000001	0.41	18360.91	1558.58	0.02
Hempstead Lake	14178.0*	Max WS	6299.84	19.51	40.17		40.17	0.000002	0.42	18143.94	1543.53	0.02
Hempstead Lake	14157.9*	Max WS	6299.77	19.51	40.17		40.17	0.000002	0.42	17931.39	1530.27	0.02
Hempstead Lake	14137.9*	Max WS	6299.70	19.51	40.17		40.17	0.000002	0.43	17725.51	1517.46	0.02
Hempstead Lake	14117.9*	Max WS	6299.63	19.52	40.17		40.17	0.000002	0.44	17529.84	1540.77	0.02
Hempstead Lake	14097.8*	Max WS	6299.57	19.52	40.17		40.17	0.000002	0.45	17366.63	1570.58	0.02
Hempstead Lake	14077.8*	Max WS	6299.51	19.52	40.17		40.17	0.000002	0.45	17219.45	1575.40	0.02
Hempstead Lake	14057.8*	Max WS	6299.46	19.52	40.17		40.17	0.000002	0.46	17079.93	1571.83	0.02
Hempstead Lake	14037.7*	Max WS	6299.40	19.53	40.17		40.17	0.000002	0.47	16946.31	1559.21	0.02
Hempstead Lake	14017.75	Max WS	6299.36	19.53	40.17		40.17	0.000002	0.48	16808.22	1544.09	0.02
Hempstead Lake	13998.2*	Max WS	6299.32	19.61	40.17		40.17	0.000004	0.46	16827.41	1537.92	0.02
Hempstead Lake	13978.6*	Max WS	6299.27	19.69	40.17		40.17	0.000004	0.45	16860.24	1531.58	0.02
Hempstead Lake	13959.1*	Max WS	6299.23	19.77	40.17		40.17	0.000004	0.44	16904.12	1521.64	0.02
Hempstead Lake	13939.6*	Max WS	6299.20	19.85	40.17		40.17	0.000004	0.43	16962.55	1511.43	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	13920.0*	Max WS	6299.15	19.94	40.17		40.17	0.000004	0.43	17035.49	1502.18	0.02
Hempstead Lake	13900.5*	Max WS	6299.12	20.02	40.17		40.17	0.000004	0.42	17119.93	1492.38	0.02
Hempstead Lake	13881.*	Max WS	6299.09	20.10	40.17		40.17	0.000004	0.41	17220.70	1478.19	0.02
Hempstead Lake	13861.4*	Max WS	6299.06	20.18	40.17		40.17	0.000004	0.41	17336.80	1466.60	0.02
Hempstead Lake	13841.9*	Max WS	6299.04	20.26	40.17		40.17	0.000004	0.40	17463.94	1457.31	0.02
Hempstead Lake	13822.3*	Max WS	6299.01	20.34	40.17		40.17	0.000004	0.40	17599.70	1449.34	0.02
Hempstead Lake	13802.8*	Max WS	6298.99	20.42	40.17		40.17	0.000004	0.39	17746.21	1443.49	0.02
Hempstead Lake	13783.3*	Max WS	6298.97	20.50	40.17		40.17	0.000004	0.38	17898.70	1438.24	0.02
Hempstead Lake	13763.7*	Max WS	6298.95	20.59	40.17		40.17	0.000004	0.38	18059.04	1434.08	0.02
Hempstead Lake	13744.2*	Max WS	6298.93	20.67	40.17		40.17	0.000004	0.37	18224.42	1430.92	0.02
Hempstead Lake	13724.7*	Max WS	6303.02	20.75	40.17		40.17	0.000003	0.37	18396.75	1428.85	0.02
Hempstead Lake	13705.1*	Max WS	6302.92	20.83	40.17		40.17	0.000003	0.36	18570.65	1427.14	0.02
Hempstead Lake	13685.63	Max WS	6298.90	20.91	40.17		40.17	0.000002	0.36	18750.31	1426.39	0.02
Hempstead Lake	13666.4*	Max WS	6298.88	21.07	40.17		40.17	0.000003	0.36	18836.28	1442.67	0.02
Hempstead Lake	13647.1*	Max WS	6298.87	21.23	40.17		40.17	0.000003	0.36	18922.09	1462.22	0.02
Hempstead Lake	13627.9*	Max WS	6302.55	21.39	40.17		40.17	0.000003	0.36	19006.11	1464.53	0.02
Hempstead Lake	13608.7*	Max WS	6298.85	21.56	40.17		40.17	0.000002	0.36	19080.55	1461.55	0.02
Hempstead Lake	13589.5*	Max WS	6302.35	21.72	40.17		40.17	0.000002	0.36	19148.14	1458.66	0.02
Hempstead Lake	13570.2*	Max WS	6302.26	21.88	40.17		40.17	0.000002	0.36	19206.28	1455.56	0.02
Hempstead Lake	13551.0*	Max WS	6302.18	22.04	40.17		40.17	0.000002	0.35	19256.94	1452.12	0.02
Hempstead Lake	13531.8*	Max WS	6302.09	22.20	40.17		40.17	0.000002	0.36	19296.87	1449.05	0.02
Hempstead Lake	13512.6*	Max WS	6302.00	22.36	40.17		40.17	0.000002	0.36	19329.21	1446.29	0.02
Hempstead Lake	13493.3*	Max WS	6301.91	22.53	40.17		40.17	0.000002	0.36	19352.62	1443.79	0.02
Hempstead Lake	13474.1*	Max WS	6301.83	22.69	40.17		40.17	0.000002	0.36	19366.32	1441.58	0.02
Hempstead Lake	13454.9*	Max WS	6301.75	22.85	40.17		40.17	0.000002	0.36	19370.39	1439.67	0.02
Hempstead Lake	13435.72	Max WS	6301.68	23.01	40.17		40.17	0.000001	0.35	19366.60	1438.04	0.02
Hempstead Lake	13419.3*	Max WS	6301.61	23.00	40.17		40.17	0.000002	0.36	19340.58	1442.17	0.02
Hempstead Lake	13403.0*	Max WS	6298.89	23.00	40.17		40.17	0.000002	0.36	19320.77	1446.26	0.02
Hempstead Lake	13386.6*	Max WS	6301.49	22.99	40.17		40.17	0.000002	0.36	19305.50	1450.37	0.02
Hempstead Lake	13370.3*	Max WS	6301.43	22.98	40.17		40.17	0.000002	0.36	19296.11	1454.41	0.02
Hempstead Lake	13354.*	Max WS	6301.37	22.98	40.17		40.17	0.000002	0.36	19290.67	1458.41	0.02
Hempstead Lake	13337.6*	Max WS	6301.31	22.97	40.17		40.17	0.000002	0.35	19291.66	1462.42	0.02
Hempstead Lake	13321.3*	Max WS	6301.25	22.96	40.17		40.17	0.000002	0.35	19297.87	1466.35	0.02
Hempstead Lake	13304.9*	Max WS	6301.19	22.95	40.17		40.17	0.000002	0.35	19308.37	1470.27	0.02
Hempstead Lake	13288.6*	Max WS	6301.14	22.95	40.17		40.17	0.000003	0.35	19323.85	1474.17	0.02
Hempstead Lake	13272.29	Max WS	6301.08	22.94	40.17		40.17	0.000002	0.35	19345.62	1478.03	0.02
Hempstead Lake	13255.0*	Max WS	6301.01	22.90	40.17		40.17	0.000002	0.35	19309.61	1479.26	0.02
Hempstead Lake	13237.8*	Max WS	6300.95	22.87	40.17		40.17	0.000002	0.35	19277.39	1480.39	0.02
Hempstead Lake	13220.5*	Max WS	6300.90	22.83	40.17		40.17	0.000002	0.35	19250.26	1481.40	0.02
Hempstead Lake	13203.3*	Max WS	6300.85	22.80	40.17		40.17	0.000002	0.36	19225.83	1482.27	0.02
Hempstead Lake	13186.0*	Max WS	6300.79	22.76	40.17		40.17	0.000002	0.36	19205.85	1483.01	0.02
Hempstead Lake	13168.8*	Max WS	6300.74	22.72	40.17		40.17	0.000002	0.36	19190.07	1483.61	0.02
Hempstead Lake	13151.6*	Max WS	6300.68	22.69	40.17		40.17	0.000002	0.36	19177.30	1484.13	0.02
Hempstead Lake	13134.3*	Max WS	6300.63	22.65	40.17		40.17	0.000002	0.36	19169.15	1484.53	0.02
Hempstead Lake	13117.1*	Max WS	6300.57	22.62	40.17		40.17	0.000003	0.36	19165.55	1484.77	0.02
Hempstead Lake	13099.8*	Max WS	6300.52	22.58	40.17		40.17	0.000002	0.36	19166.22	1484.81	0.02
Hempstead Lake	13082.6*	Max WS	6300.48	22.55	40.17		40.17	0.000003	0.36	19169.82	1484.72	0.02
Hempstead Lake	13065.3*	Max WS	6300.44	22.51	40.17		40.17	0.000003	0.36	19179.48	1484.44	0.02
Hempstead Lake	13048.1*	Max WS	6300.39	22.47	40.17		40.17	0.000003	0.35	19192.88	1483.85	0.02
Hempstead Lake	13030.9*	Max WS	6300.34	22.44	40.17		40.17	0.000003	0.35	19209.69	1482.80	0.02
Hempstead Lake	13013.6*	Max WS	6300.29	22.40	40.16		40.17	0.000003	0.35	19231.46	1481.55	0.02
Hempstead Lake	12996.4*	Max WS	6300.25	22.37	40.16		40.17	0.000003	0.35	19258.90	1480.00	0.02
Hempstead Lake	12979.1*	Max WS	6300.20	22.33	40.16		40.17	0.000003	0.35	19288.46	1478.19	0.02
Hempstead Lake	12961.9*	Max WS	6300.16	22.29	40.16		40.17	0.000003	0.35	19326.19	1476.20	0.02
Hempstead Lake	12944.7*	Max WS	6300.12	22.26	40.16		40.17	0.000003	0.35	19366.07	1473.76	0.02
Hempstead Lake	12927.4*	Max WS	6300.09	22.22	40.16		40.17	0.000003	0.35	19412.49	1470.96	0.02
Hempstead Lake	12910.2*	Max WS	6300.06	22.19	40.16		40.17	0.000002	0.35	19463.80	1467.84	0.02
Hempstead Lake	12892.97	Max WS	6300.03	22.15	40.16		40.17	0.000001	0.35	19519.99	1464.43	0.02
Hempstead Lake	12881.0*	Max WS	7382.37	22.12	40.16		40.17	0.000002	0.41	19512.10	1460.96	0.02
Hempstead Lake	12869.1*	Max WS	7382.33	22.09	40.16		40.17	0.000002	0.41	19507.57	1457.10	0.02
Hempstead Lake	12857.1*	Max WS	7382.29	22.06	40.16		40.17	0.000002	0.41	19502.53	1453.27	0.02
Hempstead Lake	12845.2*	Max WS	7382.25	22.03	40.16		40.17	0.000002	0.41	19498.44	1449.15	0.02
Hempstead Lake	12833.3*	Max WS	7382.21	22.00	40.16		40.17	0.000002	0.41	19494.16	1444.80	0.02
Hempstead Lake	12821.4*	Max WS	7382.18	21.97	40.16		40.17	0.000002	0.41	19493.57	1440.42	0.02
Hempstead Lake	12809.4*	Max WS	7382.14	21.94	40.16		40.17	0.000002	0.41	19492.96	1436.20	0.02
Hempstead Lake	12797.5*	Max WS	7382.11	21.92	40.16		40.17	0.000002	0.41	19492.00	1432.36	0.02
Hempstead Lake	12785.6*	Max WS	7382.07	21.89	40.16		40.17	0.000002	0.41	19493.51	1428.42	0.02
Hempstead Lake	12773.7*	Max WS	7382.04	21.86	40.16		40.17	0.000002	0.41	19495.59	1424.68	0.02
Hempstead Lake	12761.7*	Max WS	7382.01	21.83	40.16		40.17	0.000002	0.41	19497.79	1421.28	0.02
Hempstead Lake	12749.8*	Max WS	7381.98	21.80	40.16		40.17	0.000002	0.41	19501.90	1418.31	0.02
Hempstead Lake	12737.9*	Max WS	7381.95	21.77	40.16		40.17	0.000002	0.41	19506.29	1415.52	0.02
Hempstead Lake	12726.0*	Max WS	7381.92	21.74	40.16		40.17	0.000002	0.41	19510.50	1413.23	0.02
Hempstead Lake	12714.0*	Max WS	7381.89	21.71	40.16		40.17	0.000002	0.41	19514.02	1411.04	0.02
Hempstead Lake	12702.1*	Max WS	7381.86	21.68	40.16		40.17	0.000002	0.41	19521.21	1408.82	0.02
Hempstead Lake	12690.2*	Max WS	7381.84	21.65	40.16		40.17	0.000002	0.41	19527.62	1406.62	0.02
Hempstead Lake	12678.3*	Max WS	7381.81	21.62	40.16		40.17	0.000002	0.41	19534.54	1404.52	0.02
Hempstead Lake	12666.3*	Max WS	7381.77	21.59	40.16		40.17	0.000002	0.41	19541.54	1402.36	0.02
Hempstead Lake	12654.4*	Max WS	7381.74	21.56	40.16		40.17	0.000002	0.41	19549.08	1400.21	0.02
Hempstead Lake	12642.5*	Max WS	7381.72	21.53	40.16		40.17	0.000002	0.41	19558.01	1398.17	0.02
Hempstead Lake	12630.6*	Max WS	7381.68	21.50	40.16		40.17	0.000002	0.41	19566.79	1396.07	0.02
Hempstead Lake	12618.6*	Max WS	7381.65	21.47	40.16		40.17	0.000002	0.41	19576.87	1394.01	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	12606.7*	Max WS	7381.63	21.45	40.16		40.17	0.000002	0.41	19586.35	1391.99	0.02
Hempstead Lake	12594.8*	Max WS	7381.61	21.42	40.16		40.17	0.000002	0.41	19597.86	1389.96	0.02
Hempstead Lake	12582.9*	Max WS	7381.59	21.39	40.16		40.17	0.000002	0.41	19608.87	1387.91	0.02
Hempstead Lake	12570.9*	Max WS	7381.55	21.36	40.16		40.17	0.000002	0.41	19619.73	1385.93	0.02
Hempstead Lake	12559.0*	Max WS	7381.52	21.33	40.16		40.17	0.000002	0.41	19631.59	1383.94	0.02
Hempstead Lake	12547.1*	Max WS	7381.50	21.30	40.16		40.17	0.000002	0.41	19644.84	1381.93	0.02
Hempstead Lake	12535.2*	Max WS	7381.48	21.27	40.16		40.17	0.000002	0.41	19658.79	1380.01	0.02
Hempstead Lake	12523.27	Max WS	7381.46	21.24	40.16		40.17	0.000002	0.41	19671.58	1378.02	0.02
Hempstead Lake	12515.8*	Max WS	7864.30	21.24	40.16		40.17	0.000002	0.44	19524.08	1364.43	0.02
Hempstead Lake	12508.3*	Max WS	7864.28	21.24	40.16		40.17	0.000002	0.44	19378.33	1350.79	0.02
Hempstead Lake	12500.9*	Max WS	7864.27	21.23	40.16		40.17	0.000003	0.44	19233.22	1337.11	0.02
Hempstead Lake	12493.4*	Max WS	7864.25	21.23	40.16		40.17	0.000003	0.44	19088.47	1323.33	0.02
Hempstead Lake	12486.0*	Max WS	7864.24	21.23	40.16		40.17	0.000003	0.44	18946.05	1309.32	0.02
Hempstead Lake	12478.5*	Max WS	7864.23	21.23	40.16		40.17	0.000004	0.45	18803.38	1295.24	0.02
Hempstead Lake	12471.1*	Max WS	7864.21	21.23	40.16		40.17	0.000004	0.45	18661.97	1280.96	0.02
Hempstead Lake	12463.7*	Max WS	7864.19	21.23	40.16		40.16	0.000005	0.45	18521.69	1266.85	0.02
Hempstead Lake	12456.2*	Max WS	7864.18	21.22	40.16		40.16	0.000005	0.45	18382.76	1252.85	0.02
Hempstead Lake	12448.8*	Max WS	7864.16	21.22	40.16		40.16	0.000005	0.45	18243.83	1238.82	0.02
Hempstead Lake	12441.3*	Max WS	7864.15	21.22	40.16		40.16	0.000006	0.45	18105.82	1224.54	0.02
Hempstead Lake	12433.9*	Max WS	7864.14	21.22	40.16		40.16	0.000007	0.46	17969.09	1210.05	0.02
Hempstead Lake	12426.4*	Max WS	7864.13	21.22	40.16		40.16	0.000007	0.46	17835.29	1195.42	0.02
Hempstead Lake	12419.0*	Max WS	7864.12	21.21	40.16		40.16	0.000008	0.46	17700.56	1180.55	0.02
Hempstead Lake	12411.5*	Max WS	7864.11	21.21	40.16		40.16	0.000008	0.46	17568.20	1165.58	0.02
Hempstead Lake	12404.1*	Max WS	7864.10	21.21	40.16		40.16	0.000009	0.46	17436.91	1150.41	0.02
Hempstead Lake	12396.6*	Max WS	7864.09	21.21	40.16		40.16	0.000009	0.47	17307.05	1134.40	0.02
Hempstead Lake	12389.2*	Max WS	7864.07	21.21	40.16		40.16	0.000010	0.47	17179.69	1118.20	0.02
Hempstead Lake	12381.8*	Max WS	7864.06	21.21	40.16		40.16	0.000011	0.47	17053.64	1101.67	0.02
Hempstead Lake	12374.3*	Max WS	7864.05	21.20	40.16		40.16	0.000011	0.47	16929.31	1084.99	0.02
Hempstead Lake	12366.9*	Max WS	7864.04	21.20	40.16		40.16	0.000012	0.47	16807.94	1067.85	0.02
Hempstead Lake	12359.46	Max WS	7864.03	21.20	40.16		40.16	0.000003	0.49	16688.35	1050.49	0.02
Hempstead Lake	12349.5*	Max WS	8184.06	21.17	40.16		40.16	0.000014	0.51	16409.23	1035.63	0.02
Hempstead Lake	12339.7*	Max WS	8184.04	21.14	40.16		40.16	0.000014	0.51	16132.74	1020.77	0.02
Hempstead Lake	12329.8*	Max WS	8184.03	21.10	40.16		40.16	0.000014	0.52	15856.49	1005.92	0.02
Hempstead Lake	12320.*	Max WS	8184.01	21.07	40.16		40.16	0.000015	0.53	15582.81	990.98	0.02
Hempstead Lake	12310.1*	Max WS	8183.99	21.04	40.16		40.16	0.000015	0.54	15308.65	976.02	0.02
Hempstead Lake	12300.2*	Max WS	8183.98	21.01	40.16		40.16	0.000015	0.55	15035.94	961.00	0.02
Hempstead Lake	12290.4*	Max WS	8183.96	20.97	40.16		40.16	0.000016	0.56	14766.66	945.99	0.02
Hempstead Lake	12280.5*	Max WS	8183.95	20.94	40.16		40.16	0.000016	0.57	14496.54	930.91	0.02
Hempstead Lake	12270.6*	Max WS	8183.93	20.91	40.16		40.16	0.000016	0.59	14226.94	915.78	0.02
Hempstead Lake	12260.8*	Max WS	8183.92	20.88	40.16		40.16	0.000017	0.60	13958.80	900.62	0.03
Hempstead Lake	12250.9*	Max WS	8183.90	20.84	40.16		40.16	0.000017	0.61	13692.63	885.43	0.03
Hempstead Lake	12241.0*	Max WS	8183.89	20.81	40.16		40.16	0.000017	0.62	13426.94	870.19	0.03
Hempstead Lake	12231.2*	Max WS	8183.87	20.78	40.16		40.16	0.000018	0.64	13162.77	854.91	0.03
Hempstead Lake	12221.3*	Max WS	8183.86	20.75	40.16		40.16	0.000018	0.65	12898.92	839.58	0.03
Hempstead Lake	12211.4*	Max WS	8183.84	20.71	40.15		40.16	0.000019	0.66	12637.32	824.32	0.03
Hempstead Lake	12201.6*	Max WS	8183.83	20.68	40.15		40.16	0.000019	0.68	12376.07	809.03	0.03
Hempstead Lake	12191.7*	Max WS	8183.81	20.65	40.15		40.16	0.000019	0.69	12115.27	793.76	0.03
Hempstead Lake	12181.8*	Max WS	8183.79	20.62	40.15		40.16	0.000020	0.71	11856.58	778.47	0.03
Hempstead Lake	12172.0*	Max WS	8183.78	20.58	40.15		40.16	0.000021	0.73	11600.51	763.05	0.03
Hempstead Lake	12162.1*	Max WS	8183.77	20.55	40.15		40.16	0.000021	0.74	11343.53	747.82	0.03
Hempstead Lake	12152.2*	Max WS	8183.76	20.52	40.15		40.16	0.000022	0.76	11087.34	732.68	0.03
Hempstead Lake	12142.4*	Max WS	8183.75	20.49	40.15		40.16	0.000018	0.78	10832.69	717.52	0.03
Hempstead Lake	12132.5*	Max WS	8183.73	20.45	40.15		40.16	0.000019	0.80	10579.46	702.04	0.03
Hempstead Lake	12122.7*	Max WS	8183.72	20.42	40.15		40.16	0.000019	0.82	10327.39	686.45	0.04
Hempstead Lake	12112.8*	Max WS	8183.71	20.39	40.15		40.16	0.000020	0.84	10075.69	672.62	0.04
Hempstead Lake	12102.9*	Max WS	8183.70	20.36	40.15		40.16	0.000019	0.87	9825.68	658.22	0.04
Hempstead Lake	12093.1*	Max WS	8183.69	20.32	40.15		40.16	0.000020	0.89	9576.61	643.55	0.04
Hempstead Lake	12083.2*	Max WS	8183.67	20.29	40.15		40.16	0.000020	0.92	9329.15	628.79	0.04
Hempstead Lake	12073.3*	Max WS	8183.66	20.26	40.15		40.16	0.000020	0.94	9082.62	613.94	0.04
Hempstead Lake	12063.5*	Max WS	8183.65	20.23	40.14		40.16	0.000021	0.97	8836.78	599.16	0.04
Hempstead Lake	12053.6*	Max WS	8183.63	20.19	40.14		40.16	0.000020	1.00	8592.72	584.22	0.04
Hempstead Lake	12043.7*	Max WS	8183.62	20.16	40.14		40.16	0.000021	1.03	8349.85	569.11	0.04
Hempstead Lake	12033.9*	Max WS	8183.60	20.13	40.14		40.16	0.000021	1.06	8106.86	553.76	0.05
Hempstead Lake	12024.0*	Max WS	8183.59	20.10	40.14		40.16	0.000022	1.10	7865.74	538.19	0.05
Hempstead Lake	12014.1*	Max WS	8183.58	20.06	40.14		40.16	0.000021	1.13	7624.86	522.58	0.05
Hempstead Lake	12004.3*	Max WS	8183.57	20.03	40.14		40.16	0.000021	1.17	7386.08	506.79	0.05
Hempstead Lake	11994.45	Max WS	8183.56	20.00	40.13		40.16	0.000060	1.20	7145.97	490.75	0.05
Hempstead Lake	11989.45	Max WS	8237.37	20.00	40.13	24.34	40.15	0.000061	1.21	7145.07	490.73	0.05
Hempstead Lake	11979		Int Struct									
Hempstead Lake	11969.45	Max WS	8237.37	20.00	40.10		40.13	0.000061	1.22	7131.18	490.27	0.05
Hempstead Lake	11964.45	Max WS	8237.37	20.00	40.10		40.13	0.000061	1.22	7130.86	490.26	0.05
Hempstead Lake	11954.6*	Max WS	8237.36	19.97	40.10		40.12	0.000025	1.28	6995.75	498.25	0.06
Hempstead Lake	11944.8*	Max WS	8237.36	19.95	40.10		40.12	0.000027	1.31	6860.67	507.29	0.06
Hempstead Lake	11934.9*	Max WS	8237.35	19.92	40.10		40.12	0.000030	1.34	6729.53	517.68	0.06
Hempstead Lake	11925.1*	Max WS	8237.34	19.90	40.09		40.12	0.000032	1.37	6598.66	528.35	0.06
Hempstead Lake	11915.3*	Max WS	8237.33	19.87	40.09		40.12	0.000035	1.41	6472.40	539.64	0.06
Hempstead Lake	11905.5*	Max WS	8237.33	19.84	40.08		40.11	0.000039	1.44	6345.31	550.26	0.07
Hempstead Lake	11895.6*	Max WS	8237.32	19.82	40.07		40.11	0.000043	1.48	6223.62	561.84	0.07
Hempstead Lake	11885.8*	Max WS	8237.32	19.79	40.07		40.10	0.000048	1.52	6105.71	573.72	0.07
Hempstead Lake	11876.0*	Max WS	8237.31	19.77	40.06		40.10	0.000073	1.55	5990.99	585.73	0.07
Hempstead Lake	11866.2*	Max WS	8237.30	19.74	40.05		40.09	0.000080	1.60	5880.54	598.49	0.08

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	11856.4*	Max WS	8237.30	19.72	40.04		40.08	0.000087	1.64	5772.26	604.50	0.08
Hempstead Lake	11846.5*	Max WS	8237.29	19.69	40.03		40.07	0.000096	1.69	5661.05	606.16	0.09
Hempstead Lake	11836.7*	Max WS	8237.29	19.66	40.00		40.05	0.000106	1.74	5545.02	607.82	0.09
Hempstead Lake	11826.9*	Max WS	8237.28	19.64	39.94		39.99	0.000119	1.80	5400.37	609.47	0.10
Hempstead Lake	11817.1*	Max WS	8237.28	19.61	39.85		39.89	0.000136	1.87	5236.45	611.13	0.10
Hempstead Lake	11807.2*	Max WS	8237.27	19.59	39.79		39.85	0.000153	1.93	5096.43	612.78	0.11
Hempstead Lake	11797.46	Max WS	8237.27	19.56	38.45		38.53	0.000152	2.42	4162.00	614.44	0.15
Hempstead Lake	11792.46	Max WS	8237.27	19.56	39.15		39.22	0.000114	2.23	4554.25	614.44	0.13
Hempstead Lake	11712.46		Culvert									
Hempstead Lake	11632.46	Max WS	863.84	19.54	34.53		34.56	0.000046	1.43	604.63	65.23	0.08
Hempstead Lake	11627.46	Max WS	896.18	19.54	34.53		34.56	0.000044	1.39	645.92	93.63	0.08
Hempstead Lake	11617.9*	Max WS	895.11	19.43	34.53		34.56	0.000112	1.24	721.77	214.53	0.10
Hempstead Lake	11608.4*	Max WS	901.63	19.31	34.54		34.56	0.000225	1.04	864.34	400.31	0.10
Hempstead Lake	11598.94	Max WS	908.32	19.20	34.54		34.56	0.000025	0.87	1043.60	606.49	0.08
Hempstead Lake	11573.9*	Max WS	921.60	19.18	34.56		34.56	0.000019	0.67	1446.47	702.24	0.07
Hempstead Lake	11548.9*	Max WS	923.96	19.15	34.56		34.56	0.000017	0.54	1887.61	759.80	0.05
Hempstead Lake	11523.9*	Max WS	926.93	19.12	34.56		34.56	0.000015	0.43	2400.23	826.45	0.04
Hempstead Lake	11498.9*	Max WS	928.11	19.10	34.56		34.56	0.000013	0.35	2981.10	894.57	0.03
Hempstead Lake	11473.9*	Max WS	928.11	19.08	34.56		34.56	0.000010	0.28	3632.67	963.35	0.02
Hempstead Lake	11448.9*	Max WS	927.51	19.05	34.56		34.56	0.000007	0.23	4353.60	1032.74	0.02
Hempstead Lake	11423.9*	Max WS	928.70	19.02	34.56		34.56	0.000005	0.19	5145.43	1102.44	0.01
Hempstead Lake	11398.9*	Max WS	928.69	19.00	34.56		34.56	0.000003	0.16	6006.82	1172.44	0.01
Hempstead Lake	11373.9*	Max WS	928.09	18.98	34.56		34.56	0.000002	0.13	6938.86	1242.28	0.01
Hempstead Lake	11349.*	Max WS	928.67	18.95	34.56		34.56	0.000001	0.11	7939.59	1312.35	0.01
Hempstead Lake	11324.*	Max WS	928.66	18.92	34.56		34.56	0.000001	0.09	9012.69	1381.88	0.01
Hempstead Lake	11299.0*	Max WS	929.24	18.90	34.56		34.56	0.000001	0.08	10152.91	1452.05	0.00
Hempstead Lake	11274.0*	Max WS	929.23	18.88	34.56		34.56	0.000000	0.07	11366.30	1521.50	0.00
Hempstead Lake	11249.0*	Max WS	928.09	18.85	34.56		34.56	0.000000	0.06	12648.23	1591.73	0.00
Hempstead Lake	11224.0*	Max WS	929.79	18.83	34.56		34.56	0.000000	0.05	13999.06	1661.31	0.00
Hempstead Lake	11199.0*	Max WS	929.21	18.80	34.56		34.56	0.000000	0.05	15419.72	1731.45	0.00
Hempstead Lake	11174.0*	Max WS	928.63	18.77	34.56		34.56	0.000000	0.04	16913.28	1801.05	0.00
Hempstead Lake	11149.0*	Max WS	928.07	18.75	34.56		34.56	0.000000	0.03	18474.21	1871.40	0.00
Hempstead Lake	11124.0*	Max WS	929.17	18.73	34.56		34.56	0.000000	0.03	20107.53	1941.04	0.00
Hempstead Lake	11099.0*	Max WS	928.04	18.70	34.56		34.56	0.000000	0.03	21809.01	2011.20	0.00
Hempstead Lake	11074.0*	Max WS	929.70	18.67	34.56		34.56	0.000000	0.02	23582.98	2081.09	0.00
Hempstead Lake	11049.07	Max WS	928.60	18.65	34.56		34.56	0.000000	0.04	25424.28	2151.23	0.00
Hempstead Lake	11038.4*	Max WS	928.05	18.61	34.56		34.56	0.000000	0.02	24772.10	1923.36	0.00
Hempstead Lake	11027.7*	Max WS	928.04	18.58	34.56		34.56	0.000000	0.02	24160.11	1904.16	0.00
Hempstead Lake	11017.0*	Max WS	928.58	18.54	34.56		34.56	0.000000	0.03	23561.94	1884.75	0.00
Hempstead Lake	11006.4*	Max WS	929.13	18.50	34.56		34.56	0.000000	0.03	22978.29	1865.36	0.00
Hempstead Lake	10995.7*	Max WS	928.58	18.47	34.56		34.56	0.000000	0.03	22413.95	1846.23	0.00
Hempstead Lake	10985.0*	Max WS	928.04	18.43	34.56		34.56	0.000000	0.03	21864.43	1826.97	0.00
Hempstead Lake	10974.4*	Max WS	928.03	18.39	34.56		34.56	0.000000	0.03	21330.19	1807.86	0.00
Hempstead Lake	10963.7*	Max WS	928.56	18.35	34.56		34.56	0.000000	0.03	20812.54	1788.57	0.00
Hempstead Lake	10953.1*	Max WS	928.55	18.32	34.56		34.56	0.000000	0.04	20311.32	1769.41	0.00
Hempstead Lake	10942.4*	Max WS	927.50	18.28	34.56		34.56	0.000000	0.04	19824.80	1750.36	0.00
Hempstead Lake	10931.7*	Max WS	928.54	18.24	34.56		34.56	0.000000	0.04	19351.72	1731.18	0.00
Hempstead Lake	10921.1*	Max WS	927.50	18.21	34.56		34.56	0.000000	0.04	18897.64	1712.14	0.00
Hempstead Lake	10910.4*	Max WS	929.61	18.17	34.56		34.56	0.000000	0.05	18460.71	1693.13	0.00
Hempstead Lake	10899.7*	Max WS	929.07	18.13	34.56		34.56	0.000000	0.05	18036.12	1674.07	0.00
Hempstead Lake	10889.1*	Max WS	928.01	18.10	34.56		34.56	0.000000	0.05	17628.90	1655.21	0.00
Hempstead Lake	10878.4*	Max WS	929.58	18.06	34.56		34.56	0.000000	0.05	17236.65	1636.21	0.00
Hempstead Lake	10867.8*	Max WS	928.52	18.02	34.56		34.56	0.000000	0.06	16861.04	1617.09	0.00
Hempstead Lake	10857.1*	Max WS	929.06	17.99	34.56		34.56	0.000000	0.06	16499.55	1598.30	0.00
Hempstead Lake	10846.4*	Max WS	929.04	17.95	34.56		34.56	0.000000	0.06	16156.26	1579.41	0.00
Hempstead Lake	10835.8*	Max WS	929.03	17.91	34.56		34.56	0.000000	0.06	15826.04	1560.54	0.00
Hempstead Lake	10825.1*	Max WS	929.55	17.88	34.56		34.56	0.000000	0.06	15512.47	1541.80	0.00
Hempstead Lake	10814.4*	Max WS	928.52	17.84	34.56		34.56	0.000000	0.07	15215.47	1522.97	0.00
Hempstead Lake	10803.8*	Max WS	929.03	17.80	34.56		34.56	0.000000	0.07	14932.49	1504.11	0.00
Hempstead Lake	10793.1*	Max WS	929.02	17.76	34.56		34.56	0.000000	0.07	14667.05	1485.51	0.00
Hempstead Lake	10782.4*	Max WS	928.52	17.73	34.56		34.56	0.000000	0.07	14415.11	1466.78	0.00
Hempstead Lake	10771.8*	Max WS	929.02	17.69	34.56		34.56	0.000000	0.07	14179.93	1447.97	0.00
Hempstead Lake	10761.1*	Max WS	930.02	17.65	34.56		34.56	0.000000	0.07	13961.51	1429.46	0.00
Hempstead Lake	10750.5*	Max WS	930.53	17.62	34.56		34.56	0.000000	0.07	13756.17	1409.81	0.00
Hempstead Lake	10739.8*	Max WS	929.52	17.58	34.56		34.56	0.000000	0.07	13567.51	1389.82	0.00
Hempstead Lake	10729.1*	Max WS	929.01	17.54	34.56		34.56	0.000000	0.07	13395.35	1369.91	0.00
Hempstead Lake	10718.5*	Max WS	928.52	17.51	34.56		34.56	0.000000	0.07	13236.55	1350.29	0.00
Hempstead Lake	10707.8*	Max WS	929.99	17.47	34.56		34.56	0.000000	0.07	13096.22	1330.92	0.00
Hempstead Lake	10697.1*	Max WS	930.49	17.43	34.56		34.56	0.000000	0.07	12969.29	1311.30	0.00
Hempstead Lake	10686.5*	Max WS	931.01	17.40	34.56		34.56	0.000000	0.08	12859.24	1292.05	0.00
Hempstead Lake	10675.8*	Max WS	929.00	17.36	34.56		34.56	0.000000	0.08	12762.88	1273.12	0.00
Hempstead Lake	10665.2*	Max WS	929.49	17.32	34.56		34.56	0.000000	0.08	12681.81	1254.91	0.00
Hempstead Lake	10654.5*	Max WS	929.97	17.29	34.56		34.56	0.000000	0.08	12615.35	1236.25	0.00
Hempstead Lake	10643.8*	Max WS	929.00	17.25	34.56		34.56	0.000000	0.07	12563.93	1217.43	0.00
Hempstead Lake	10633.2*	Max WS	930.47	17.21	34.56		34.56	0.000000	0.07	12527.46	1198.08	0.00
Hempstead Lake	10622.5*	Max WS	929.00	17.17	34.56		34.56	0.000000	0.07	12505.77	1177.66	0.00
Hempstead Lake	10611.8*	Max WS	930.97	17.14	34.56		34.56	0.000000	0.07	12497.89	1156.64	0.00
Hempstead Lake	10601.2*	Max WS	930.46	17.10	34.56		34.56	0.000000	0.07	12515.48	1064.03	0.00
Hempstead Lake	10590.5*	Max WS	929.48	17.06	34.56		34.56	0.000000	0.07	12558.88	1034.90	0.00
Hempstead Lake	10579.8*	Max WS	929.96	17.03	34.56		34.56	0.000000	0.07	12608.49	1025.09	0.00
Hempstead Lake	10569.23	Max WS	931.45	16.99	34.56		34.56	0.000000	0.07	12662.57	1016.71	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	10549.1*	Max WS	930.95	16.96	34.56		34.56	0.000000	0.07	12698.44	1024.08	0.00
Hempstead Lake	10529.0*	Max WS	930.94	16.94	34.56		34.56	0.000000	0.07	12737.97	1037.08	0.00
Hempstead Lake	10508.9*	Max WS	930.45	16.91	34.56		34.56	0.000000	0.07	12779.14	1047.65	0.00
Hempstead Lake	10488.7*	Max WS	930.93	16.89	34.56		34.56	0.000000	0.07	12821.23	1054.48	0.00
Hempstead Lake	10468.6*	Max WS	931.94	16.86	34.56		34.56	0.000000	0.07	12866.57	1059.37	0.00
Hempstead Lake	10448.5*	Max WS	931.42	16.83	34.56		34.56	0.000000	0.07	12913.38	1062.16	0.00
Hempstead Lake	10428.4*	Max WS	931.93	16.81	34.56		34.56	0.000000	0.07	12958.84	1063.68	0.00
Hempstead Lake	10408.3*	Max WS	931.92	16.78	34.56		34.56	0.000000	0.07	13007.79	1064.91	0.00
Hempstead Lake	10388.2*	Max WS	930.44	16.76	34.56		34.56	0.000000	0.07	13054.90	1065.29	0.00
Hempstead Lake	10368.1*	Max WS	932.43	16.73	34.56		34.56	0.000000	0.07	13105.80	1065.11	0.00
Hempstead Lake	10348.0*	Max WS	932.42	16.71	34.56		34.56	0.000000	0.07	13154.65	1064.88	0.00
Hempstead Lake	10327.9*	Max WS	931.41	16.68	34.56		34.56	0.000000	0.07	13205.40	1064.09	0.00
Hempstead Lake	10307.8*	Max WS	931.91	16.65	34.56		34.56	0.000000	0.07	13257.60	1063.09	0.00
Hempstead Lake	10287.7*	Max WS	930.92	16.63	34.56		34.56	0.000000	0.07	13309.72	1061.98	0.00
Hempstead Lake	10267.6*	Max WS	933.45	16.60	34.56		34.56	0.000000	0.07	13362.96	1060.59	0.00
Hempstead Lake	10247.4*	Max WS	932.40	16.58	34.56		34.56	0.000000	0.07	13415.04	1059.06	0.00
Hempstead Lake	10227.3*	Max WS	932.92	16.55	34.56		34.56	0.000000	0.07	13468.90	1057.44	0.00
Hempstead Lake	10207.2*	Max WS	931.41	16.52	34.56		34.56	0.000000	0.07	13524.91	1055.67	0.00
Hempstead Lake	10187.1*	Max WS	933.44	16.50	34.56		34.56	0.000000	0.07	13578.79	1053.82	0.00
Hempstead Lake	10167.0*	Max WS	932.92	16.47	34.56		34.56	0.000000	0.07	13635.30	1051.80	0.00
Hempstead Lake	10146.9*	Max WS	932.91	16.45	34.56		34.56	0.000000	0.07	13690.07	1049.83	0.00
Hempstead Lake	10126.8*	Max WS	932.40	16.42	34.56		34.56	0.000000	0.07	13749.79	1047.82	0.00
Hempstead Lake	10106.7*	Max WS	934.50	16.40	34.56		34.56	0.000000	0.07	13805.31	1045.57	0.00
Hempstead Lake	10086.6*	Max WS	935.05	16.37	34.56		34.56	0.000000	0.07	13863.52	1043.45	0.00
Hempstead Lake	10066.5*	Max WS	933.43	16.34	34.56		34.56	0.000000	0.07	13923.02	1041.31	0.00
Hempstead Lake	10046.4*	Max WS	934.50	16.32	34.56		34.56	0.000000	0.07	13981.31	1039.06	0.00
Hempstead Lake	10026.2*	Max WS	932.40	16.29	34.56		34.56	0.000000	0.07	14041.56	1036.84	0.00
Hempstead Lake	10006.1*	Max WS	932.39	16.27	34.56		34.56	0.000000	0.07	14101.17	1034.48	0.00
Hempstead Lake	9986.073	Max WS	935.04	16.24	34.56		34.56	0.000000	0.07	14162.15	1032.17	0.00
Hempstead Lake	9965.77*	Max WS	934.49	16.21	34.56		34.56	0.000000	0.07	14164.09	1029.70	0.00
Hempstead Lake	9945.47*	Max WS	933.95	16.19	34.56		34.56	0.000000	0.07	14163.55	1027.15	0.00
Hempstead Lake	9925.18*	Max WS	936.15	16.16	34.56		34.56	0.000000	0.07	14163.46	1024.50	0.00
Hempstead Lake	9904.88*	Max WS	935.59	16.13	34.56		34.56	0.000000	0.07	14163.29	1021.74	0.00
Hempstead Lake	9884.59*	Max WS	935.03	16.11	34.56		34.56	0.000000	0.07	14160.79	1018.76	0.00
Hempstead Lake	9864.29*	Max WS	933.94	16.08	34.56		34.56	0.000000	0.07	14159.77	1015.93	0.00
Hempstead Lake	9843.99*	Max WS	936.73	16.05	34.56		34.56	0.000000	0.07	14157.19	1012.82	0.00
Hempstead Lake	9823.7*	Max WS	936.72	16.03	34.56		34.56	0.000000	0.07	14153.82	1010.03	0.00
Hempstead Lake	9803.40*	Max WS	936.14	16.00	34.56		34.56	0.000000	0.07	14149.06	1008.02	0.00
Hempstead Lake	9783.10*	Max WS	935.02	15.97	34.56		34.56	0.000000	0.07	14144.17	1005.96	0.00
Hempstead Lake	9762.81*	Max WS	935.57	15.95	34.56		34.56	0.000000	0.07	14138.22	1003.79	0.00
Hempstead Lake	9742.51*	Max WS	939.11	15.92	34.56		34.56	0.000000	0.07	14132.58	1001.47	0.00
Hempstead Lake	9722.21*	Max WS	937.89	15.89	34.56		34.56	0.000000	0.07	14126.30	1000.51	0.00
Hempstead Lake	9701.92*	Max WS	937.30	15.87	34.56		34.56	0.000000	0.07	14118.68	998.91	0.00
Hempstead Lake	9681.62*	Max WS	937.29	15.84	34.56		34.56	0.000000	0.07	14110.54	997.11	0.00
Hempstead Lake	9661.32*	Max WS	937.29	15.81	34.56		34.56	0.000000	0.07	14103.68	994.21	0.00
Hempstead Lake	9641.03*	Max WS	939.10	15.79	34.56		34.56	0.000000	0.07	14094.24	991.84	0.00
Hempstead Lake	9620.73*	Max WS	939.09	15.76	34.56		34.56	0.000000	0.07	14085.19	989.76	0.00
Hempstead Lake	9600.43*	Max WS	939.08	15.73	34.56		34.56	0.000000	0.07	14074.43	987.62	0.00
Hempstead Lake	9580.14*	Max WS	938.48	15.71	34.56		34.56	0.000000	0.07	14063.23	985.37	0.00
Hempstead Lake	9559.84*	Max WS	938.48	15.68	34.56		34.56	0.000000	0.07	14051.96	982.82	0.00
Hempstead Lake	9539.54*	Max WS	941.59	15.66	34.56		34.56	0.000000	0.07	14038.96	980.35	0.00
Hempstead Lake	9519.25*	Max WS	940.94	15.63	34.56		34.56	0.000000	0.07	14025.07	977.79	0.00
Hempstead Lake	9498.95*	Max WS	941.58	15.60	34.56		34.56	0.000000	0.07	14012.68	975.23	0.00
Hempstead Lake	9478.65*	Max WS	942.23	15.58	34.56		34.56	0.000000	0.07	13997.36	972.41	0.00
Hempstead Lake	9458.36*	Max WS	940.93	15.55	34.56		34.56	0.000000	0.07	13982.45	969.68	0.00
Hempstead Lake	9438.06*	Max WS	941.58	15.52	34.56		34.56	0.000000	0.07	13964.90	966.78	0.00
Hempstead Lake	9417.76*	Max WS	940.93	15.50	34.56		34.56	0.000000	0.07	13946.18	963.97	0.00
Hempstead Lake	9397.47*	Max WS	940.31	15.47	34.56		34.56	0.000000	0.07	13929.64	960.93	0.00
Hempstead Lake	9377.17*	Max WS	940.31	15.44	34.56		34.56	0.000000	0.07	13912.17	958.03	0.00
Hempstead Lake	9356.87*	Max WS	941.56	15.42	34.56		34.56	0.000000	0.07	13890.20	954.89	0.00
Hempstead Lake	9336.58*	Max WS	942.87	15.39	34.56		34.56	0.000000	0.07	13870.83	951.80	0.00
Hempstead Lake	9316.28*	Max WS	942.86	15.36	34.56		34.56	0.000000	0.07	13849.86	948.67	0.00
Hempstead Lake	9295.98*	Max WS	942.85	15.34	34.56		34.56	0.000000	0.07	13826.95	945.59	0.00
Hempstead Lake	9275.69*	Max WS	942.85	15.31	34.56		34.56	0.000000	0.07	13803.92	942.33	0.00
Hempstead Lake	9255.39*	Max WS	942.21	15.28	34.56		34.56	0.000000	0.07	13780.14	939.19	0.00
Hempstead Lake	9235.09*	Max WS	942.20	15.26	34.56		34.56	0.000000	0.07	13753.91	937.81	0.00
Hempstead Lake	9214.80*	Max WS	942.84	15.23	34.56		34.56	0.000000	0.07	13730.30	938.04	0.00
Hempstead Lake	9194.50*	Max WS	942.20	15.20	34.56		34.56	0.000000	0.07	13703.27	938.47	0.00
Hempstead Lake	9174.20*	Max WS	941.56	15.18	34.56		34.56	0.000000	0.07	13675.72	935.30	0.00
Hempstead Lake	9153.910	Max WS	942.83	15.15	34.56		34.56	0.000000	0.07	13649.30	931.67	0.00
Hempstead Lake	9133.22*	Max WS	967.80	15.12	34.56		34.56	0.000000	0.07	13689.29	938.16	0.00
Hempstead Lake	9112.54*	Max WS	968.44	15.10	34.56		34.56	0.000000	0.07	13725.04	944.59	0.00
Hempstead Lake	9091.85*	Max WS	969.08	15.07	34.56		34.56	0.000000	0.07	13763.36	950.99	0.00
Hempstead Lake	9071.17*	Max WS	969.73	15.05	34.56		34.56	0.000000	0.07	13798.43	957.48	0.00
Hempstead Lake	9050.49*	Max WS	971.72	15.02	34.56		34.56	0.000000	0.07	13832.96	964.00	0.00
Hempstead Lake	9029.80*	Max WS	971.04	15.00	34.56		34.56	0.000000	0.07	13865.43	970.48	0.00
Hempstead Lake	9009.12*	Max WS	968.44	14.97	34.56		34.56	0.000000	0.07	13898.11	976.77	0.00
Hempstead Lake	8988.44*	Max WS	970.38	14.95	34.56		34.56	0.000000	0.07	13929.07	983.31	0.00
Hempstead Lake	8967.75*	Max WS	971.04	14.92	34.56		34.56	0.000000	0.07	13958.88	989.71	0.00
Hempstead Lake	8947.07*	Max WS	970.38	14.90	34.56		34.56	0.000000	0.07	13987.15	996.00	0.00
Hempstead Lake	8926.39*	Max WS	971.03	14.87	34.56		34.56	0.000000	0.07	14014.95	1001.92	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	8905.70*	Max WS	971.67	14.85	34.56		34.56	0.000000	0.07	14041.89	1008.30	0.00
Hempstead Lake	8885.02*	Max WS	972.35	14.82	34.56		34.56	0.000000	0.07	14067.07	1014.42	0.00
Hempstead Lake	8864.33*	Max WS	972.34	14.80	34.56		34.56	0.000000	0.07	14090.36	1020.78	0.00
Hempstead Lake	8843.65*	Max WS	972.33	14.77	34.56		34.56	0.000000	0.07	14114.33	1026.66	0.00
Hempstead Lake	8822.97*	Max WS	973.00	14.75	34.56		34.56	0.000000	0.07	14135.38	1032.68	0.00
Hempstead Lake	8802.28*	Max WS	970.36	14.72	34.56		34.56	0.000000	0.07	14155.84	1038.99	0.00
Hempstead Lake	8781.60*	Max WS	970.36	14.70	34.56		34.56	0.000000	0.07	14175.25	1045.08	0.00
Hempstead Lake	8760.92*	Max WS	971.01	14.67	34.56		34.56	0.000000	0.07	14193.69	1051.15	0.00
Hempstead Lake	8740.23*	Max WS	972.32	14.65	34.56		34.56	0.000000	0.07	14211.72	1057.05	0.00
Hempstead Lake	8719.55*	Max WS	971.67	14.62	34.56		34.56	0.000000	0.07	14226.38	1063.13	0.00
Hempstead Lake	8698.86*	Max WS	971.66	14.60	34.56		34.56	0.000000	0.07	14243.28	1069.22	0.00
Hempstead Lake	8678.18*	Max WS	971.66	14.57	34.56		34.56	0.000000	0.07	14257.25	1075.52	0.00
Hempstead Lake	8657.50*	Max WS	972.30	14.55	34.56		34.56	0.000000	0.07	14269.15	1081.15	0.00
Hempstead Lake	8636.81*	Max WS	971.65	14.52	34.56		34.56	0.000000	0.07	14281.23	1087.33	0.00
Hempstead Lake	8616.13*	Max WS	971.65	14.50	34.56		34.56	0.000000	0.07	14290.83	1093.74	0.00
Hempstead Lake	8595.45*	Max WS	972.94	14.47	34.56		34.56	0.000000	0.07	14302.11	1100.14	0.00
Hempstead Lake	8574.76*	Max WS	972.29	14.45	34.56		34.56	0.000000	0.07	14308.74	1106.84	0.00
Hempstead Lake	8554.08*	Max WS	971.63	14.42	34.56		34.56	0.000000	0.07	14316.14	1113.01	0.00
Hempstead Lake	8533.39*	Max WS	972.93	14.40	34.56		34.56	0.000000	0.07	14322.54	1120.88	0.00
Hempstead Lake	8512.71*	Max WS	972.28	14.37	34.56		34.56	0.000000	0.07	14327.02	1129.59	0.00
Hempstead Lake	8492.03*	Max WS	972.27	14.35	34.56		34.56	0.000000	0.07	14332.00	1140.57	0.00
Hempstead Lake	8471.34*	Max WS	973.57	14.32	34.56		34.56	0.000000	0.07	14335.93	1158.27	0.00
Hempstead Lake	8450.66*	Max WS	972.91	14.30	34.56		34.56	0.000000	0.07	14340.68	1239.89	0.00
Hempstead Lake	8429.980	Max WS	972.26	14.27	34.56		34.56	0.000000	0.07	14359.28	1360.18	0.00
Hempstead Lake	8416.34*	Max WS	972.26	14.25	34.56		34.56	0.000000	0.07	14449.47	1340.17	0.00
Hempstead Lake	8402.71*	Max WS	972.25	14.23	34.56		34.56	0.000000	0.07	14541.38	1324.62	0.00
Hempstead Lake	8389.07*	Max WS	971.63	14.21	34.56		34.56	0.000000	0.07	14634.60	1302.08	0.00
Hempstead Lake	8375.44*	Max WS	973.54	14.19	34.56		34.56	0.000000	0.07	14731.85	1272.75	0.00
Hempstead Lake	8361.81*	Max WS	973.54	14.16	34.56		34.56	0.000000	0.07	14827.32	1259.08	0.00
Hempstead Lake	8348.17*	Max WS	972.89	14.14	34.56		34.56	0.000000	0.07	14924.60	1247.45	0.00
Hempstead Lake	8334.54*	Max WS	973.53	14.12	34.56		34.56	0.000000	0.07	15021.79	1245.38	0.00
Hempstead Lake	8320.91*	Max WS	972.89	14.10	34.56		34.56	0.000000	0.06	15119.77	1237.53	0.00
Hempstead Lake	8307.27*	Max WS	974.18	14.08	34.56		34.56	0.000000	0.06	15217.71	1235.02	0.00
Hempstead Lake	8293.64*	Max WS	974.18	14.06	34.56		34.56	0.000000	0.06	15319.02	1234.27	0.00
Hempstead Lake	8280.00*	Max WS	973.53	14.04	34.56		34.56	0.000000	0.06	15417.77	1234.21	0.00
Hempstead Lake	8266.37*	Max WS	974.16	14.02	34.56		34.56	0.000000	0.06	15515.31	1234.74	0.00
Hempstead Lake	8252.74*	Max WS	972.26	13.99	34.56		34.56	0.000000	0.06	15615.69	1232.81	0.00
Hempstead Lake	8239.10*	Max WS	971.63	13.97	34.56		34.56	0.000000	0.06	15714.87	1233.72	0.00
Hempstead Lake	8225.47*	Max WS	974.80	13.95	34.56		34.56	0.000000	0.06	15817.50	1235.51	0.00
Hempstead Lake	8211.84*	Max WS	973.51	13.93	34.56		34.56	0.000000	0.06	15918.02	1237.65	0.00
Hempstead Lake	8198.20*	Max WS	973.51	13.91	34.56		34.56	0.000000	0.06	16021.36	1237.44	0.00
Hempstead Lake	8184.57*	Max WS	972.25	13.89	34.56		34.56	0.000000	0.06	16122.23	1240.01	0.00
Hempstead Lake	8170.93*	Max WS	974.14	13.87	34.56		34.56	0.000000	0.06	16224.78	1242.47	0.00
Hempstead Lake	8157.30*	Max WS	973.50	13.85	34.56		34.56	0.000000	0.06	16325.81	1243.63	0.00
Hempstead Lake	8143.67*	Max WS	973.49	13.82	34.56		34.56	0.000000	0.06	16430.75	1246.48	0.00
Hempstead Lake	8130.03*	Max WS	972.88	13.80	34.56		34.56	0.000000	0.06	16533.39	1248.72	0.00
Hempstead Lake	8116.40*	Max WS	974.13	13.78	34.56		34.56	0.000000	0.06	16639.18	1250.78	0.00
Hempstead Lake	8102.76*	Max WS	974.12	13.76	34.56		34.56	0.000000	0.06	16742.21	1252.47	0.00
Hempstead Lake	8089.13*	Max WS	974.11	13.74	34.56		34.56	0.000000	0.06	16845.24	1255.37	0.00
Hempstead Lake	8075.50*	Max WS	972.25	13.72	34.56		34.56	0.000000	0.06	16950.72	1258.29	0.00
Hempstead Lake	8061.86*	Max WS	974.74	13.70	34.56		34.56	0.000000	0.06	17055.34	1261.20	0.00
Hempstead Lake	8048.23*	Max WS	974.10	13.68	34.56		34.56	0.000000	0.06	17160.28	1262.94	0.00
Hempstead Lake	8034.6*	Max WS	972.25	13.65	34.56		34.56	0.000000	0.06	17265.91	1266.21	0.00
Hempstead Lake	8020.96*	Max WS	974.74	13.63	34.56		34.56	0.000000	0.06	17374.76	1269.25	0.00
Hempstead Lake	8007.33*	Max WS	974.73	13.61	34.56		34.56	0.000000	0.06	17479.94	1271.09	0.00
Hempstead Lake	7993.69*	Max WS	974.10	13.59	34.56		34.56	0.000000	0.06	17587.45	1273.44	0.00
Hempstead Lake	7980.06*	Max WS	974.72	13.57	34.56		34.56	0.000000	0.06	17693.35	1276.55	0.00
Hempstead Lake	7966.43*	Max WS	974.10	13.55	34.56		34.56	0.000000	0.06	17801.79	1279.67	0.00
Hempstead Lake	7952.79*	Max WS	973.47	13.53	34.56		34.56	0.000000	0.05	17909.54	1281.90	0.00
Hempstead Lake	7939.16*	Max WS	974.71	13.51	34.56		34.56	0.000000	0.05	18017.35	1285.04	0.00
Hempstead Lake	7925.53*	Max WS	974.09	13.48	34.56		34.56	0.000000	0.05	18127.34	1288.16	0.00
Hempstead Lake	7911.89*	Max WS	974.08	13.46	34.56		34.56	0.000000	0.05	18235.87	1290.51	0.00
Hempstead Lake	7898.26*	Max WS	974.68	13.44	34.56		34.56	0.000000	0.05	18345.84	1293.70	0.00
Hempstead Lake	7884.62*	Max WS	974.08	13.42	34.56		34.56	0.000000	0.05	18454.25	1297.18	0.00
Hempstead Lake	7870.99*	Max WS	973.47	13.40	34.56		34.56	0.000000	0.05	18564.60	1299.29	0.00
Hempstead Lake	7857.36*	Max WS	974.67	13.38	34.56		34.56	0.000000	0.05	18673.77	1297.41	0.00
Hempstead Lake	7843.72*	Max WS	973.46	13.36	34.56		34.56	0.000000	0.05	18786.98	1300.87	0.00
Hempstead Lake	7830.09*	Max WS	972.85	13.34	34.56		34.56	0.000000	0.05	18897.54	1310.24	0.00
Hempstead Lake	7816.45*	Max WS	975.28	13.31	34.56		34.56	0.000000	0.05	19010.93	1355.43	0.00
Hempstead Lake	7802.82*	Max WS	974.06	13.29	34.56		34.56	0.000000	0.05	19125.02	1397.87	0.00
Hempstead Lake	7789.19*	Max WS	973.46	13.27	34.56		34.56	0.000000	0.05	19241.90	1419.25	0.00
Hempstead Lake	7775.55*	Max WS	974.04	13.25	34.56		34.56	0.000000	0.05	19358.96	1441.66	0.00
Hempstead Lake	7761.92*	Max WS	973.46	13.23	34.56		34.56	0.000000	0.05	19478.46	1470.19	0.00
Hempstead Lake	7748.29*	Max WS	972.86	13.21	34.56		34.56	0.000000	0.05	19601.15	1504.86	0.00
Hempstead Lake	7734.65*	Max WS	974.65	13.19	34.56		34.56	0.000000	0.05	19723.84	1566.04	0.00
Hempstead Lake	7721.02*	Max WS	975.24	13.17	34.56		34.56	0.000000	0.05	19853.41	1624.87	0.00
Hempstead Lake	7707.38*	Max WS	974.04	13.14	34.56		34.56	0.000000	0.05	19984.70	1677.25	0.00
Hempstead Lake	7693.75*	Max WS	974.03	13.12	34.56		34.56	0.000000	0.05	20119.83	1739.27	0.00
Hempstead Lake	7680.12*	Max WS	975.24	13.10	34.56		34.56	0.000000	0.05	20259.30	1797.96	0.00
Hempstead Lake	7666.48*	Max WS	974.63	13.08	34.56		34.56	0.000000	0.05	20405.96	1853.22	0.00
Hempstead Lake	7652.85*	Max WS	974.62	13.06	34.56		34.56	0.000000	0.05	20551.10	1909.36	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	7639.22*	Max WS	974.61	13.04	34.56		34.56	0.000000	0.05	20703.11	1963.70	0.00
Hempstead Lake	7625.58*	Max WS	975.20	13.02	34.56		34.56	0.000000	0.05	20860.83	2134.77	0.00
Hempstead Lake	7611.95*	Max WS	974.02	13.00	34.56		34.56	0.000000	0.05	21059.98	2690.92	0.00
Hempstead Lake	7598.31*	Max WS	973.43	12.97	34.56		34.56	0.000000	0.05	21269.59	2695.82	0.00
Hempstead Lake	7584.68*	Max WS	974.59	12.95	34.56		34.56	0.000000	0.05	21476.68	2704.33	0.00
Hempstead Lake	7571.05*	Max WS	974.01	12.93	34.56		34.56	0.000000	0.05	21688.96	2712.33	0.00
Hempstead Lake	7557.41*	Max WS	974.58	12.91	34.56		34.56	0.000000	0.05	21896.60	2719.00	0.00
Hempstead Lake	7543.783	Max WS	972.84	12.89	34.56		34.56	0.000000	0.05	22108.79	2726.08	0.00
Hempstead Lake	7530.03*	Max WS	988.56	12.85	34.56		34.56	0.000000	0.05	22247.08	2733.55	0.00
Hempstead Lake	7516.28*	Max WS	989.68	12.82	34.56		34.56	0.000000	0.05	22386.64	2740.47	0.00
Hempstead Lake	7502.53*	Max WS	990.24	12.78	34.56		34.56	0.000000	0.05	22526.51	2746.43	0.00
Hempstead Lake	7488.79*	Max WS	989.10	12.74	34.56		34.56	0.000000	0.05	22668.69	2755.65	0.00
Hempstead Lake	7475.04*	Max WS	988.54	12.71	34.56		34.56	0.000000	0.05	22808.76	2762.92	0.00
Hempstead Lake	7461.29*	Max WS	989.65	12.67	34.56		34.56	0.000000	0.05	22950.63	2769.53	0.00
Hempstead Lake	7447.54*	Max WS	989.63	12.63	34.56		34.56	0.000000	0.05	23096.10	2775.65	0.00
Hempstead Lake	7433.79*	Max WS	989.09	12.60	34.56		34.56	0.000000	0.05	23238.21	2784.35	0.00
Hempstead Lake	7420.04*	Max WS	989.61	12.56	34.56		34.56	0.000000	0.05	23381.13	2792.04	0.00
Hempstead Lake	7406.3*	Max WS	990.15	12.52	34.56		34.56	0.000000	0.05	23527.92	2795.38	0.00
Hempstead Lake	7392.55*	Max WS	989.60	12.49	34.56		34.56	0.000000	0.05	23674.43	2804.09	0.00
Hempstead Lake	7378.80*	Max WS	990.70	12.45	34.56		34.56	0.000000	0.05	23818.96	2810.80	0.00
Hempstead Lake	7365.05*	Max WS	989.07	12.41	34.56		34.56	0.000000	0.04	23967.10	2817.92	0.00
Hempstead Lake	7351.30*	Max WS	990.14	12.38	34.56		34.56	0.000000	0.04	24114.99	2824.74	0.00
Hempstead Lake	7337.55*	Max WS	988.55	12.34	34.56		34.56	0.000000	0.04	24261.75	2833.75	0.00
Hempstead Lake	7323.81*	Max WS	989.58	12.30	34.56		34.56	0.000000	0.04	24411.52	2839.89	0.00
Hempstead Lake	7310.06*	Max WS	990.10	12.26	34.56		34.56	0.000000	0.04	24561.84	2849.11	0.00
Hempstead Lake	7296.31*	Max WS	989.05	12.23	34.56		34.56	0.000000	0.04	24713.04	2858.42	0.00
Hempstead Lake	7282.56*	Max WS	990.60	12.19	34.56		34.56	0.000000	0.04	24865.20	2864.71	0.00
Hempstead Lake	7268.81*	Max WS	988.00	12.15	34.56		34.56	0.000000	0.04	25017.44	2874.36	0.00
Hempstead Lake	7255.06*	Max WS	989.55	12.12	34.56		34.56	0.000000	0.04	25169.71	2882.29	0.00
Hempstead Lake	7241.32*	Max WS	989.54	12.08	34.56		34.56	0.000000	0.04	25323.82	2890.16	0.00
Hempstead Lake	7227.57*	Max WS	988.52	12.04	34.56		34.56	0.000000	0.04	25480.53	2899.64	0.00
Hempstead Lake	7213.82*	Max WS	989.04	12.01	34.56		34.56	0.000000	0.04	25634.13	2907.40	0.00
Hempstead Lake	7200.07*	Max WS	990.03	11.97	34.56		34.56	0.000000	0.04	25787.35	2916.88	0.00
Hempstead Lake	7186.32*	Max WS	988.52	11.93	34.56		34.56	0.000000	0.04	25947.25	2923.54	0.00
Hempstead Lake	7172.57*	Max WS	989.02	11.90	34.56		34.56	0.000000	0.04	26103.75	2933.06	0.00
Hempstead Lake	7158.83*	Max WS	990.00	11.86	34.56		34.56	0.000000	0.04	26260.94	2943.05	0.00
Hempstead Lake	7145.08*	Max WS	989.02	11.82	34.56		34.56	0.000000	0.04	26420.63	2947.96	0.00
Hempstead Lake	7131.33*	Max WS	989.98	11.79	34.56		34.56	0.000000	0.04	26581.29	2958.36	0.00
Hempstead Lake	7117.58*	Max WS	988.05	11.75	34.56		34.56	0.000000	0.04	26744.21	2967.53	0.00
Hempstead Lake	7103.83*	Max WS	988.52	11.71	34.56		34.56	0.000000	0.04	26905.20	2976.73	0.00
Hempstead Lake	7090.08*	Max WS	989.95	11.68	34.56		34.56	0.000000	0.04	27064.52	2987.68	0.00
Hempstead Lake	7076.34*	Max WS	990.42	11.64	34.56		34.56	0.000000	0.04	27230.78	2997.47	0.00
Hempstead Lake	7062.59*	Max WS	988.52	11.60	34.56		34.56	0.000000	0.04	27392.10	3007.70	0.00
Hempstead Lake	7048.84*	Max WS	989.93	11.57	34.56		34.56	0.000000	0.04	27555.74	3017.12	0.00
Hempstead Lake	7035.09*	Max WS	990.40	11.53	34.56		34.56	0.000000	0.04	27724.26	3029.16	0.00
Hempstead Lake	7021.34*	Max WS	990.39	11.49	34.56		34.56	0.000000	0.04	27889.50	3041.52	0.00
Hempstead Lake	7007.6*	Max WS	989.44	11.46	34.56		34.56	0.000000	0.04	28057.60	3052.72	0.00
Hempstead Lake	6993.85*	Max WS	989.90	11.42	34.56		34.56	0.000000	0.04	28225.31	3068.34	0.00
Hempstead Lake	6980.10*	Max WS	990.37	11.38	34.56		34.56	0.000000	0.04	28397.55	3082.33	0.00
Hempstead Lake	6966.35*	Max WS	989.44	11.35	34.56		34.56	0.000000	0.04	28568.16	3097.97	0.00
Hempstead Lake	6952.60*	Max WS	989.88	11.31	34.56		34.56	0.000000	0.04	28741.18	3115.36	0.00
Hempstead Lake	6938.85*	Max WS	990.30	11.27	34.56		34.56	0.000000	0.04	28914.28	3130.49	0.00
Hempstead Lake	6925.11*	Max WS	988.10	11.23	34.56		34.56	0.000000	0.04	29087.96	3148.45	0.00
Hempstead Lake	6911.36*	Max WS	989.41	11.20	34.56		34.56	0.000000	0.04	29266.79	3166.18	0.00
Hempstead Lake	6897.61*	Max WS	989.86	11.16	34.56		34.56	0.000000	0.04	29443.69	3185.14	0.00
Hempstead Lake	6883.86*	Max WS	990.74	11.12	34.56		34.56	0.000000	0.04	29623.53	3204.89	0.00
Hempstead Lake	6870.11*	Max WS	988.95	11.09	34.56		34.56	0.000000	0.04	29805.58	3227.82	0.00
Hempstead Lake	6856.36*	Max WS	989.39	11.05	34.56		34.56	0.000000	0.04	29989.62	3251.23	0.00
Hempstead Lake	6842.62*	Max WS	989.80	11.01	34.56		34.56	0.000000	0.04	30174.60	3273.43	0.00
Hempstead Lake	6828.87*	Max WS	990.22	10.98	34.56		34.56	0.000000	0.04	30361.12	3320.68	0.00
Hempstead Lake	6815.12*	Max WS	988.94	10.94	34.56		34.56	0.000000	0.04	30555.98	3474.22	0.00
Hempstead Lake	6801.37*	Max WS	989.36	10.90	34.56		34.56	0.000000	0.04	30755.05	3526.08	0.00
Hempstead Lake	6787.62*	Max WS	989.76	10.87	34.56		34.56	0.000000	0.04	30954.95	3573.73	0.00
Hempstead Lake	6773.87*	Max WS	990.17	10.83	34.56		34.56	0.000000	0.04	31157.50	3606.32	0.00
Hempstead Lake	6760.13*	Max WS	988.93	10.79	34.56		34.56	0.000000	0.04	31362.75	3616.91	0.00
Hempstead Lake	6746.38*	Max WS	989.32	10.76	34.56		34.56	0.000000	0.04	31566.35	3627.37	0.00
Hempstead Lake	6732.634	Max WS	989.29	10.72	34.56		34.56	0.000000	0.04	24778.09	1312.50	0.00
Hempstead Lake	6718.98*	Max WS	989.68	10.73	34.56		34.56	0.000000	0.04	24602.71	1310.23	0.00
Hempstead Lake	6705.33*	Max WS	990.08	10.74	34.56		34.56	0.000000	0.04	24427.70	1307.43	0.00
Hempstead Lake	6691.68*	Max WS	989.65	10.75	34.56		34.56	0.000000	0.04	24252.81	1304.17	0.00
Hempstead Lake	6678.03*	Max WS	989.99	10.76	34.56		34.56	0.000000	0.04	24079.73	1301.58	0.00
Hempstead Lake	6664.38*	Max WS	989.92	10.77	34.56		34.56	0.000000	0.04	23906.69	1301.14	0.00
Hempstead Lake	6650.72*	Max WS	988.63	10.78	34.56		34.56	0.000000	0.04	23734.42	1298.67	0.00
Hempstead Lake	6637.07*	Max WS	989.58	10.79	34.56		34.56	0.000000	0.04	23563.61	1295.65	0.00
Hempstead Lake	6623.42*	Max WS	989.30	10.80	34.56		34.56	0.000000	0.04	23391.81	1293.55	0.00
Hempstead Lake	6609.77*	Max WS	989.26	10.81	34.56		34.56	0.000000	0.04	23222.25	1291.24	0.00
Hempstead Lake	6596.12*	Max WS	989.51	10.82	34.56		34.56	0.000000	0.04	23051.74	1289.21	0.00
Hempstead Lake	6582.47*	Max WS	989.26	10.83	34.56		34.56	0.000000	0.04	22882.69	1286.15	0.00
Hempstead Lake	6568.82*	Max WS	989.21	10.84	34.56		34.56	0.000000	0.04	22715.41	1284.17	0.00
Hempstead Lake	6555.17*	Max WS	989.16	10.85	34.56		34.56	0.000000	0.04	22546.65	1282.19	0.00
Hempstead Lake	6541.52*	Max WS	989.35	10.86	34.56		34.56	0.000000	0.04	22381.67	1281.67	0.00

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	6527.87*	Max WS	989.63	10.87	34.56		34.56	0.000000	0.04	22215.18	1278.96	0.00
Hempstead Lake	6514.22*	Max WS	989.59	10.88	34.56		34.56	0.000000	0.05	22048.03	1276.91	0.00
Hempstead Lake	6500.57*	Max WS	989.37	10.89	34.56		34.56	0.000000	0.05	21883.81	1274.99	0.00
Hempstead Lake	6486.91*	Max WS	989.32	10.91	34.56		34.56	0.000000	0.05	21718.73	1272.98	0.00
Hempstead Lake	6473.26*	Max WS	989.27	10.92	34.56		34.56	0.000000	0.05	21554.46	1270.39	0.00
Hempstead Lake	6459.61*	Max WS	989.45	10.93	34.56		34.56	0.000000	0.05	21392.14	1268.52	0.00
Hempstead Lake	6445.96*	Max WS	989.42	10.94	34.56		34.56	0.000000	0.05	21229.44	1266.57	0.00
Hempstead Lake	6432.31*	Max WS	989.12	10.95	34.56		34.56	0.000000	0.05	21068.84	1266.18	0.00
Hempstead Lake	6418.66*	Max WS	989.10	10.96	34.56		34.56	0.000000	0.05	20905.74	1263.61	0.00
Hempstead Lake	6405.01*	Max WS	989.44	10.97	34.56		34.56	0.000000	0.05	20744.97	1261.77	0.00
Hempstead Lake	6391.36*	Max WS	989.39	10.98	34.56		34.56	0.000000	0.05	20587.21	1259.88	0.00
Hempstead Lake	6377.71*	Max WS	989.21	10.99	34.56		34.56	0.000000	0.05	20426.70	1258.05	0.00
Hempstead Lake	6364.06*	Max WS	989.15	11.00	34.56		34.56	0.000000	0.05	20269.79	1255.64	0.00
Hempstead Lake	6350.41*	Max WS	989.11	11.01	34.56		34.56	0.000000	0.05	20111.75	1253.79	0.00
Hempstead Lake	6336.76*	Max WS	989.01	11.02	34.56		34.56	0.000000	0.05	19955.36	1251.99	0.00
Hempstead Lake	6323.11*	Max WS	989.17	11.03	34.56		34.56	0.000000	0.05	19800.47	1251.50	0.00
Hempstead Lake	6309.45*	Max WS	989.11	11.04	34.56		34.56	0.000000	0.05	19642.83	1249.17	0.00
Hempstead Lake	6295.80*	Max WS	989.06	11.05	34.56		34.56	0.000000	0.05	19487.38	1247.38	0.00
Hempstead Lake	6282.15*	Max WS	989.01	11.06	34.56		34.56	0.000000	0.05	19334.39	1245.57	0.00
Hempstead Lake	6268.507	Max WS	988.98	11.07	34.56		34.56	0.000000	0.05	19179.67	1243.59	0.00
Hempstead Lake	6259.72*	Max WS	989.00	11.10	34.56		34.56	0.000000	0.05	20046.71	1268.43	0.00
Hempstead Lake	6250.93*	Max WS	989.02	11.14	34.56		34.56	0.000000	0.05	20928.08	1296.05	0.00
Hempstead Lake	6242.14*	Max WS	988.99	11.17	34.56		34.56	0.000000	0.05	21824.35	1302.59	0.00
Hempstead Lake	6233.35*	Max WS	989.01	11.21	34.56		34.56	0.000000	0.04	22733.05	1308.68	0.00
Hempstead Lake	6224.57*	Max WS	988.99	11.24	34.56		34.56	0.000000	0.04	23656.61	1312.80	0.00
Hempstead Lake	6215.78*	Max WS	989.00	11.27	34.56		34.56	0.000000	0.04	24596.27	1323.83	0.00
Hempstead Lake	6206.99*	Max WS	989.00	11.31	34.56		34.56	0.000000	0.04	25547.36	1334.86	0.00
Hempstead Lake	6198.21*	Max WS	988.99	11.34	34.56		34.56	0.000000	0.04	26509.31	1345.86	0.00
Hempstead Lake	6189.42*	Max WS	988.98	11.38	34.56		34.56	0.000000	0.04	27477.46	1337.60	0.00
Hempstead Lake	6180.638	Max WS	988.99	11.41	34.56		34.56	0.000000	0.03	28494.53	1318.47	0.00
Hempstead Lake	6177.638	Max WS	988.99	11.00	34.56	11.28	34.56	0.000000	0.03	29161.73	1452.83	0.00
Hempstead Lake	6029.638		Inl Struct									
Hempstead Lake	5980.638	Max WS	539.63	10.80	21.18		21.19	0.000379	0.79	683.03	240.23	0.08
Hempstead Lake	5930.638	Max WS	537.07	10.80	21.17		21.18	0.000149	0.53	1011.64	318.17	0.05
Hempstead Lake	5880.638	Max WS	535.27	10.80	21.17		21.17	0.000107	0.49	1100.57	307.98	0.05
Hempstead Lake	5830.638	Max WS	524.93	10.80	21.16		21.16	0.000086	0.46	1142.99	297.85	0.04
Hempstead Lake	5780.638	Max WS	523.18	10.80	21.15		21.16	0.000163	0.54	970.79	319.52	0.05
Hempstead Lake	5730.638	Max WS	510.39	10.80	21.14		21.15	0.000199	0.55	966.23	400.09	0.06
Hempstead Lake	5680.638	Max WS	496.72	10.80	21.13		21.14	0.000116	0.42	1206.64	453.23	0.04
Hempstead Lake	5630.638	Max WS	481.02	10.80	21.12		21.13	0.000100	0.33	1307.83	545.88	0.04
Hempstead Lake	5580.638	Max WS	478.01	10.80	21.12		21.12	0.000110	0.32	1349.00	641.57	0.04
Hempstead Lake	5530.638	Max WS	457.87	10.80	21.11		21.11	0.000117	0.33	1332.82	690.90	0.04
Hempstead Lake	5480.638	Max WS	436.31	10.80	21.10		21.10	0.000174	0.36	1176.83	718.01	0.05
Hempstead Lake	5430.638	Max WS	988.83	10.60	20.73		20.75	0.002722	1.12	854.35	707.33	0.18
Hempstead Lake	5380.638	Max WS	988.83	10.40	20.65		20.67	0.000540	1.30	867.58	740.24	0.21
Hempstead Lake	5330.638	Max WS	922.73	10.20	18.61		20.16	0.051007	9.97	92.55	11.00	0.61
Hempstead Lake	5307.48*	Max WS	934.66	7.93	18.62		18.74	0.021224	2.69	347.01	365.41	0.49
Hempstead Lake	5284.32*	Max WS	934.31	7.87	18.45		18.49	0.003849	1.57	594.84	394.20	0.23
Hempstead Lake	5261.17*	Max WS	934.24	7.80	18.42		18.43	0.001026	1.03	905.30	420.98	0.12
Hempstead Lake	5238.01*	Max WS	933.32	7.73	18.41		18.42	0.000380	0.76	1233.07	444.44	0.08
Hempstead Lake	5214.85*	Max WS	933.09	7.67	18.40		18.41	0.000175	0.60	1567.45	465.88	0.06
Hempstead Lake	5191.70*	Max WS	932.92	7.60	18.40		18.41	0.000092	0.49	1903.03	476.86	0.04
Hempstead Lake	5168.54*	Max WS	932.81	7.54	18.40		18.40	0.000053	0.42	2238.24	483.21	0.03
Hempstead Lake	5145.39*	Max WS	932.77	7.47	18.40		18.40	0.000034	0.36	2569.15	487.68	0.03
Hempstead Lake	5122.23*	Max WS	930.60	7.40	18.40		18.40	0.000022	0.32	2896.37	491.02	0.02
Hempstead Lake	5099.07*	Max WS	930.32	7.34	18.40		18.40	0.000016	0.29	3219.49	493.46	0.02
Hempstead Lake	5075.922	Max WS	930.10	7.27	18.40		18.40	0.000002	0.26	3538.51	495.04	0.02
Hempstead Lake	5055.96*	Max WS	929.92	7.23	18.40		18.40	0.000009	0.25	3687.44	658.27	0.02
Hempstead Lake	5036.01*	Max WS	929.76	7.20	18.40		18.40	0.000006	0.23	3989.71	686.11	0.02
Hempstead Lake	5016.05*	Max WS	929.65	7.16	18.40		18.40	0.000004	0.22	4312.61	692.52	0.02
Hempstead Lake	4996.10*	Max WS	929.59	7.12	18.40		18.40	0.000003	0.20	4655.53	736.71	0.01
Hempstead Lake	4976.14*	Max WS	925.92	7.09	18.40		18.40	0.000002	0.18	5014.99	756.05	0.01
Hempstead Lake	4956.192	Max WS	925.56	7.05	18.40		18.40	0.000001	0.17	5389.11	760.93	0.01
Hempstead Lake	4936.44*	Max WS	925.24	7.02	18.40		18.40	0.000001	0.16	5750.09	863.59	0.01
Hempstead Lake	4916.69*	Max WS	924.94	6.98	18.40		18.40	0.000001	0.15	6169.43	905.68	0.01
Hempstead Lake	4896.94*	Max WS	924.69	6.95	18.40		18.40	0.000002	0.14	6599.89	938.95	0.01
Hempstead Lake	4877.19*	Max WS	924.49	6.91	18.40		18.40	0.000002	0.13	7041.36	947.86	0.01
Hempstead Lake	4857.44*	Max WS	924.36	6.88	18.40		18.40	0.000002	0.12	7486.81	950.32	0.01
Hempstead Lake	4837.697	Max WS	924.29	6.84	18.40		18.40	0.000000	0.12	7937.35	951.71	0.01
Hempstead Lake	4817.64*	Max WS	1027.91	6.81	18.40		18.40	0.000002	0.13	7984.75	950.42	0.01
Hempstead Lake	4797.59*	Max WS	1027.45	6.77	18.40		18.40	0.000002	0.13	8037.58	947.46	0.01
Hempstead Lake	4777.53*	Max WS	1027.06	6.67	18.40		18.40	0.000002	0.13	8097.32	939.31	0.01
Hempstead Lake	4757.48*	Max WS	1026.74	6.58	18.40		18.40	0.000002	0.13	8160.38	933.15	0.01
Hempstead Lake	4737.42*	Max WS	1026.50	6.49	18.40		18.40	0.000002	0.13	8226.50	928.95	0.01
Hempstead Lake	4717.37*	Max WS	1026.35	6.40	18.40		18.40	0.000002	0.12	8293.23	926.57	0.01
Hempstead Lake	4697.32*	Max WS	1026.28	6.30	18.40		18.40	0.000002	0.12	8363.97	923.87	0.01
Hempstead Lake	4677.26*	Max WS	1019.47	6.21	18.40		18.40	0.000002	0.12	8434.66	921.01	0.01
Hempstead Lake	4657.21*	Max WS	1019.04	6.12	18.40		18.40	0.000002	0.12	8506.79	918.16	0.01
Hempstead Lake	4637.16*	Max WS	1018.69	6.02	18.40		18.40	0.000002	0.12	8579.57	915.22	0.01
Hempstead Lake	4617.10*	Max WS	1018.41	5.91	18.40		18.40	0.000002	0.12	8653.75	912.16	0.01
Hempstead Lake	4597.05*	Max WS	1018.21	5.76	18.40		18.40	0.000002	0.12	8727.09	909.07	0.01

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	4577.*	Max WS	1018.09	5.60	18.40		18.40	0.000002	0.12	8802.93	906.12	0.01
Hempstead Lake	4556.94*	Max WS	1011.00	5.45	18.40		18.40	0.000001	0.11	8879.49	903.06	0.01
Hempstead Lake	4536.893	Max WS	1010.53	5.30	18.40		18.40	0.000000	0.11	8956.37	900.01	0.01
Hempstead Lake	4516.70*	Max WS	1014.21	5.16	18.40		18.40	0.000001	0.11	9014.75	900.84	0.01
Hempstead Lake	4496.51*	Max WS	1013.88	5.02	18.40		18.40	0.000001	0.11	9079.45	901.17	0.01
Hempstead Lake	4476.32*	Max WS	1013.62	4.88	18.40		18.40	0.000001	0.11	9151.03	901.23	0.01
Hempstead Lake	4456.14*	Max WS	1013.44	4.74	18.40		18.40	0.000001	0.11	9226.08	900.77	0.01
Hempstead Lake	4435.95*	Max WS	1013.34	4.60	18.40		18.40	0.000001	0.11	9307.97	900.17	0.01
Hempstead Lake	4415.76*	Max WS	1005.62	4.46	18.40		18.40	0.000001	0.11	9394.57	899.11	0.01
Hempstead Lake	4395.57*	Max WS	1005.14	4.32	18.40		18.40	0.000001	0.11	9486.79	897.90	0.01
Hempstead Lake	4375.38*	Max WS	1004.73	4.18	18.40		18.40	0.000001	0.10	9583.95	896.45	0.01
Hempstead Lake	4355.20*	Max WS	1004.39	4.04	18.40		18.40	0.000001	0.10	9686.96	894.50	0.01
Hempstead Lake	4335.01*	Max WS	1004.13	3.90	18.40		18.40	0.000001	0.10	9794.65	892.82	0.01
Hempstead Lake	4314.82*	Max WS	1003.94	3.76	18.40		18.40	0.000001	0.10	9907.98	891.28	0.01
Hempstead Lake	4294.63*	Max WS	1003.84	3.62	18.40		18.40	0.000001	0.10	10025.83	889.75	0.01
Hempstead Lake	4274.44*	Max WS	995.46	3.48	18.40		18.40	0.000001	0.10	10147.62	888.08	0.00
Hempstead Lake	4254.26*	Max WS	994.94	3.34	18.40		18.40	0.000001	0.10	10274.89	886.36	0.00
Hempstead Lake	4234.07*	Max WS	994.49	3.20	18.40		18.40	0.000001	0.10	10407.50	884.57	0.00
Hempstead Lake	4213.88*	Max WS	994.11	3.06	18.40		18.40	0.000001	0.09	10545.10	882.81	0.00
Hempstead Lake	4193.69*	Max WS	993.80	2.92	18.40		18.40	0.000001	0.09	10688.36	880.90	0.00
Hempstead Lake	4173.50*	Max WS	993.57	2.78	18.40		18.40	0.000001	0.09	10833.13	878.97	0.00
Hempstead Lake	4153.320	Max WS	993.41	2.64	18.40		18.40	0.000000	0.09	10984.34	876.99	0.00
Hempstead Lake	4131.85*	Max WS	997.65	2.69	18.40		18.40	0.000001	0.09	10912.69	875.91	0.00
Hempstead Lake	4110.38*	Max WS	988.10	2.75	18.40		18.40	0.000001	0.09	10844.82	874.98	0.00
Hempstead Lake	4088.91*	Max WS	987.55	2.80	18.40		18.40	0.000001	0.09	10784.17	873.92	0.00
Hempstead Lake	4067.44*	Max WS	987.08	2.86	18.40		18.40	0.000001	0.09	10725.77	872.97	0.00
Hempstead Lake	4045.97*	Max WS	986.69	2.91	18.40		18.40	0.000001	0.09	10675.19	871.97	0.00
Hempstead Lake	4024.50*	Max WS	986.39	2.97	18.40		18.40	0.000001	0.09	10627.04	871.10	0.00
Hempstead Lake	4003.034	Max WS	986.19	3.02	18.40		18.40	0.000000	0.10	10586.35	870.30	0.00
Hempstead Lake	3984.01*	Max WS	986.09	3.78	18.40		18.40	0.000001	0.10	9575.59	853.98	0.01
Hempstead Lake	3964.99*	Max WS	976.00	4.54	18.40		18.40	0.000001	0.12	8586.19	837.53	0.01
Hempstead Lake	3945.97*	Max WS	975.52	5.30	18.40		18.40	0.000002	0.13	7618.27	825.19	0.01
Hempstead Lake	3926.95*	Max WS	975.13	6.06	18.40		18.40	0.000003	0.15	6675.34	813.05	0.01
Hempstead Lake	3907.93*	Max WS	974.84	6.82	18.40		18.40	0.000005	0.17	5756.03	800.45	0.01
Hempstead Lake	3888.916	Max WS	974.69	7.58	18.40		18.40	0.000001	0.20	4857.98	784.95	0.01
Hempstead Lake	3883.916	Max WS	979.26	7.20	18.40	9.06	18.40	0.000001	0.21	4754.09	775.13	0.01
Hempstead Lake	3873.916		Inl Struct									
Hempstead Lake	3863.916	Max WS	970.61	7.19	18.39		18.39	0.000002	0.23	4191.66	761.37	0.02
Hempstead Lake	3858.916	Max WS	970.50	7.17	18.39		18.39	0.000002	0.24	4065.31	760.72	0.02
Hempstead Lake	3826.579	Max WS	970.10	6.10	18.39		18.39	0.000005	0.33	2968.50	746.54	0.03
Hempstead Lake	3821.579	Max WS	970.08	6.02	18.39		18.39	0.000006	0.34	2842.46	721.69	0.03
Hempstead Lake	3781.402		Culvert									
Hempstead Lake	3741.579	Max WS	970.08	5.94	18.37		18.38	0.000019	0.35	2827.73	728.98	0.03
Hempstead Lake	3736.579	Max WS	970.06	5.88	18.37		18.38	0.000006	0.33	3041.80	726.82	0.03
Hempstead Lake	3699.46*	Max WS	962.70	5.83	18.37		18.38	0.000006	0.30	3276.84	736.98	0.02
Hempstead Lake	3662.35*	Max WS	962.23	5.78	18.37		18.38	0.000005	0.28	3553.44	801.59	0.02
Hempstead Lake	3625.24*	Max WS	955.08	5.74	18.37		18.38	0.000004	0.26	3876.43	876.47	0.02
Hempstead Lake	3588.13*	Max WS	954.39	5.69	18.37		18.37	0.000004	0.25	4238.17	909.20	0.02
Hempstead Lake	3551.028	Max WS	947.34	5.64	18.37		18.37	0.000003	0.23	4631.71	941.02	0.02
Hempstead Lake	3531.67*	Max WS	946.77	5.61	18.37		18.37	0.000004	0.24	4429.31	925.07	0.02
Hempstead Lake	3512.33*	Max WS	946.34	5.58	18.37		18.37	0.000004	0.25	4229.22	912.08	0.02
Hempstead Lake	3492.98*	Max WS	946.07	5.55	18.37		18.37	0.000004	0.26	4030.07	898.82	0.02
Hempstead Lake	3473.63*	Max WS	939.64	5.52	18.37		18.37	0.000004	0.26	3834.30	880.91	0.02
Hempstead Lake	3454.28*	Max WS	939.08	5.49	18.37		18.37	0.000004	0.27	3651.24	827.36	0.02
Hempstead Lake	3434.93*	Max WS	938.67	5.46	18.37		18.37	0.000004	0.28	3494.43	710.66	0.02
Hempstead Lake	3415.58*	Max WS	938.43	5.43	18.37		18.37	0.000004	0.29	3396.08	661.82	0.02
Hempstead Lake	3396.239	Max WS	938.34	5.40	18.37		18.37	0.000005	0.30	3303.08	648.39	0.02
Hempstead Lake	3376.88*	Max WS	932.33	5.37	18.37		18.37	0.000004	0.29	3307.43	652.65	0.02
Hempstead Lake	3357.52*	Max WS	931.96	5.34	18.37		18.37	0.000004	0.29	3313.52	657.42	0.02
Hempstead Lake	3338.16*	Max WS	931.69	5.32	18.37		18.37	0.000004	0.30	3318.52	663.71	0.02
Hempstead Lake	3318.80*	Max WS	931.53	5.29	18.37		18.37	0.000005	0.30	3325.18	669.88	0.02
Hempstead Lake	3299.44*	Max WS	926.24	5.26	18.37		18.37	0.000005	0.30	3330.71	675.86	0.02
Hempstead Lake	3280.08*	Max WS	925.81	5.23	18.37		18.37	0.000005	0.30	3336.14	680.02	0.02
Hempstead Lake	3260.73*	Max WS	925.46	5.21	18.37		18.37	0.000005	0.30	3344.25	682.98	0.02
Hempstead Lake	3241.37*	Max WS	925.19	5.18	18.37		18.37	0.000005	0.30	3350.40	685.96	0.02
Hempstead Lake	3222.01*	Max WS	925.03	5.15	18.37		18.37	0.000005	0.30	3357.94	687.84	0.02
Hempstead Lake	3202.65*	Max WS	919.87	5.12	18.37		18.37	0.000005	0.30	3364.08	689.89	0.02
Hempstead Lake	3183.29*	Max WS	919.34	5.10	18.37		18.37	0.000005	0.30	3370.65	691.03	0.02
Hempstead Lake	3163.93*	Max WS	918.91	5.07	18.37		18.37	0.000006	0.30	3376.29	692.38	0.02
Hempstead Lake	3144.581	Max WS	918.59	5.04	18.37		18.37	0.000005	0.30	3382.84	692.98	0.02
Hempstead Lake	3124.73*	Max WS	918.39	5.01	18.37		18.37	0.000004	0.30	3393.24	695.02	0.02
Hempstead Lake	3104.89*	Max WS	913.06	4.98	18.37		18.37	0.000004	0.30	3404.79	697.05	0.02
Hempstead Lake	3085.04*	Max WS	912.51	4.95	18.37		18.37	0.000004	0.30	3417.29	699.13	0.02
Hempstead Lake	3065.2*	Max WS	912.04	4.92	18.37		18.37	0.000004	0.30	3428.60	703.36	0.02
Hempstead Lake	3045.35*	Max WS	911.69	4.88	18.37		18.37	0.000004	0.30	3441.67	706.91	0.02
Hempstead Lake	3025.51*	Max WS	911.45	4.85	18.37		18.37	0.000004	0.30	3455.07	708.88	0.02
Hempstead Lake	3005.66*	Max WS	911.35	4.82	18.37		18.37	0.000004	0.30	3469.82	710.44	0.02
Hempstead Lake	2985.81*	Max WS	905.58	4.79	18.37		18.37	0.000004	0.29	3482.14	711.66	0.02
Hempstead Lake	2965.974	Max WS	905.13	4.76	18.37		18.37	0.000004	0.29	3495.57	712.55	0.02
Hempstead Lake	2951.87*	Max WS	904.86	4.74	18.37		18.37	0.000005	0.29	3525.86	713.77	0.02
Hempstead Lake	2937.77*	Max WS	904.63	4.72	18.37		18.37	0.000005	0.29	3554.54	715.44	0.02

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	2923.67*	Max WS	904.46	4.70	18.37		18.37	0.000004	0.28	3585.54	716.85	0.02
Hempstead Lake	2909.57*	Max WS	904.35	4.68	18.37		18.37	0.000004	0.28	3614.04	718.32	0.02
Hempstead Lake	2895.47*	Max WS	898.84	4.66	18.37		18.37	0.000004	0.28	3643.33	722.35	0.02
Hempstead Lake	2881.37*	Max WS	898.45	4.64	18.37		18.37	0.000004	0.27	3672.39	728.78	0.02
Hempstead Lake	2867.27*	Max WS	898.11	4.62	18.37		18.37	0.000004	0.27	3701.34	735.92	0.02
Hempstead Lake	2853.17*	Max WS	897.83	4.61	18.37		18.37	0.000004	0.27	3731.06	742.56	0.02
Hempstead Lake	2839.07*	Max WS	897.59	4.59	18.37		18.37	0.000004	0.27	3761.20	750.69	0.02
Hempstead Lake	2824.98*	Max WS	897.42	4.57	18.37		18.37	0.000004	0.26	3790.40	759.25	0.02
Hempstead Lake	2810.88*	Max WS	897.30	4.55	18.37		18.37	0.000004	0.26	3821.13	764.96	0.02
Hempstead Lake	2796.78*	Max WS	897.25	4.53	18.37		18.37	0.000004	0.26	3850.61	771.10	0.02
Hempstead Lake	2782.68*	Max WS	891.50	4.51	18.37		18.37	0.000004	0.26	3880.88	775.25	0.02
Hempstead Lake	2768.58*	Max WS	891.14	4.49	18.37		18.37	0.000004	0.25	3911.50	779.92	0.02
Hempstead Lake	2754.48*	Max WS	890.84	4.47	18.37		18.37	0.000003	0.25	3941.63	784.88	0.02
Hempstead Lake	2740.38*	Max WS	890.59	4.45	18.36		18.37	0.000003	0.25	3972.07	789.31	0.02
Hempstead Lake	2726.28*	Max WS	890.41	4.43	18.36		18.37	0.000003	0.25	4003.75	795.02	0.02
Hempstead Lake	2712.18*	Max WS	890.28	4.41	18.36		18.37	0.000003	0.25	4034.26	799.79	0.02
Hempstead Lake	2698.08*	Max WS	890.21	4.39	18.36		18.37	0.000003	0.24	4065.42	805.62	0.02
Hempstead Lake	2683.98*	Max WS	884.48	4.37	18.36		18.37	0.000003	0.24	4095.71	811.14	0.02
Hempstead Lake	2669.88*	Max WS	884.14	4.35	18.36		18.37	0.000003	0.24	4128.87	821.22	0.02
Hempstead Lake	2655.78*	Max WS	883.86	4.34	18.36		18.37	0.000003	0.24	4160.27	832.33	0.02
Hempstead Lake	2641.68*	Max WS	883.66	4.32	18.36		18.36	0.000003	0.24	4193.35	849.21	0.02
Hempstead Lake	2627.58*	Max WS	883.52	4.30	18.36		18.36	0.000003	0.23	4227.75	867.22	0.02
Hempstead Lake	2613.48*	Max WS	883.47	4.28	18.36		18.36	0.000003	0.23	4263.70	880.63	0.02
Hempstead Lake	2599.38*	Max WS	877.52	4.26	18.36		18.36	0.000003	0.23	4298.54	887.94	0.01
Hempstead Lake	2585.29*	Max WS	877.13	4.24	18.36		18.36	0.000003	0.23	4335.56	893.97	0.01
Hempstead Lake	2571.19*	Max WS	876.82	4.22	18.36		18.36	0.000003	0.22	4371.22	894.71	0.01
Hempstead Lake	2557.091	Max WS	876.64	4.20	18.36		18.36	0.000006	0.22	4405.47	894.50	0.01
Hempstead Lake	2552.091	Max WS	876.62	4.09	18.36		18.36	0.000020	0.29	3349.99	896.52	0.02
Hempstead Lake	2522.091		Culvert									
Hempstead Lake	2492.091	Max WS	871.91	4.09	18.35		18.35	0.000019	0.27	3460.41	892.96	0.02
Hempstead Lake	2487.091	Max WS	871.81	4.60	18.35		18.35	0.000005	0.20	4775.24	891.10	0.01
Hempstead Lake	2477.12*	Max WS	871.58	4.58	18.35		18.35	0.000002	0.20	4789.41	896.82	0.01
Hempstead Lake	2467.14*	Max WS	871.37	4.57	18.35		18.35	0.000002	0.20	4809.87	904.50	0.01
Hempstead Lake	2457.17*	Max WS	871.17	4.55	18.35		18.35	0.000002	0.21	4835.81	916.38	0.01
Hempstead Lake	2447.20*	Max WS	870.99	4.53	18.35		18.35	0.000002	0.21	4868.26	922.68	0.01
Hempstead Lake	2437.23*	Max WS	870.82	4.51	18.35		18.35	0.000004	0.20	4906.42	926.82	0.01
Hempstead Lake	2427.26*	Max WS	870.68	4.50	18.35		18.35	0.000004	0.21	4948.08	930.01	0.01
Hempstead Lake	2417.29*	Max WS	870.57	4.48	18.35		18.35	0.000004	0.21	4995.10	934.35	0.01
Hempstead Lake	2407.32*	Max WS	870.48	4.46	18.35		18.35	0.000002	0.21	5046.52	936.99	0.01
Hempstead Lake	2397.35*	Max WS	870.42	4.44	18.35		18.35	0.000002	0.21	5100.74	939.39	0.01
Hempstead Lake	2387.37*	Max WS	870.39	4.43	18.35		18.35	0.000002	0.21	5160.17	942.23	0.01
Hempstead Lake	2377.40*	Max WS	865.66	4.41	18.35		18.35	0.000002	0.21	5224.67	944.95	0.01
Hempstead Lake	2367.43*	Max WS	865.31	4.39	18.35		18.35	0.000002	0.21	5291.28	946.61	0.01
Hempstead Lake	2357.46*	Max WS	864.97	4.37	18.35		18.35	0.000002	0.21	5362.97	948.66	0.01
Hempstead Lake	2347.49*	Max WS	864.63	4.36	18.35		18.35	0.000002	0.21	5438.28	950.94	0.01
Hempstead Lake	2337.52*	Max WS	864.30	4.34	18.35		18.35	0.000002	0.21	5517.58	953.02	0.01
Hempstead Lake	2327.55*	Max WS	863.98	4.32	18.35		18.35	0.000002	0.21	5601.03	959.64	0.01
Hempstead Lake	2317.58*	Max WS	863.69	4.30	18.35		18.35	0.000002	0.21	5691.91	985.85	0.01
Hempstead Lake	2307.60*	Max WS	863.43	4.29	18.35		18.35	0.000002	0.21	5788.28	1000.80	0.01
Hempstead Lake	2297.63*	Max WS	863.21	4.27	18.35		18.35	0.000002	0.21	5889.82	1027.18	0.01
Hempstead Lake	2287.66*	Max WS	863.04	4.25	18.35		18.35	0.000002	0.22	5997.14	1061.69	0.01
Hempstead Lake	2277.69*	Max WS	862.92	4.23	18.35		18.35	0.000002	0.22	6113.71	1086.43	0.01
Hempstead Lake	2267.72*	Max WS	862.88	4.22	18.35		18.35	0.000002	0.22	6235.89	1104.18	0.01
Hempstead Lake	2257.752	Max WS	856.98	4.20	18.35		18.35	0.000003	0.19	6363.52	1120.94	0.01
Hempstead Lake	2252.75*	Max WS	856.51	4.10	18.35		18.35	0.000003	0.21	6300.59	1108.44	0.01
Hempstead Lake	2247.752	Max WS	856.01	4.00	18.35		18.35	0.000003	0.20	6236.62	1092.33	0.01
Hempstead Lake	2222.752		Culvert									
Hempstead Lake	2197.752	Max WS	863.10	3.80	18.35		18.35	0.000004	0.37	4690.86	894.72	0.02
Hempstead Lake	2192.75*	Max WS	862.95	3.75	18.35		18.35	0.000003	0.34	5169.81	891.39	0.02
Hempstead Lake	2187.752	Max WS	862.84	3.70	18.35		18.35	0.000002	0.35	5477.50	888.12	0.02
Hempstead Lake	2178.63*	Max WS	862.79	3.72	18.35		18.35	0.000002	0.36	5330.27	885.04	0.02
Hempstead Lake	2169.52*	Max WS	855.32	3.74	18.35		18.35	0.000003	0.37	5184.19	882.21	0.02
Hempstead Lake	2160.40*	Max WS	855.11	3.76	18.35		18.35	0.000003	0.38	5038.82	879.36	0.02
Hempstead Lake	2151.29*	Max WS	854.88	3.78	18.35		18.35	0.000003	0.39	4894.35	876.41	0.02
Hempstead Lake	2142.17*	Max WS	854.62	3.80	18.35		18.35	0.000003	0.40	4750.56	873.60	0.02
Hempstead Lake	2133.05*	Max WS	854.33	3.82	18.35		18.35	0.000003	0.41	4607.18	870.59	0.02
Hempstead Lake	2123.94*	Max WS	854.02	3.83	18.35		18.35	0.000003	0.43	4465.26	867.73	0.02
Hempstead Lake	2114.82*	Max WS	853.67	3.85	18.35		18.35	0.000004	0.44	4323.71	864.94	0.02
Hempstead Lake	2105.71*	Max WS	853.29	3.87	18.35		18.35	0.000004	0.45	4184.59	862.33	0.02
Hempstead Lake	2096.59*	Max WS	852.87	3.89	18.35		18.35	0.000004	0.46	4045.79	859.78	0.03
Hempstead Lake	2087.48*	Max WS	852.41	3.91	18.35		18.35	0.000005	0.48	3906.24	857.24	0.03
Hempstead Lake	2078.36*	Max WS	876.14	3.93	18.35		18.35	0.000005	0.51	3768.64	854.33	0.03
Hempstead Lake	2069.25*	Max WS	874.22	3.95	18.35		18.35	0.000006	0.52	3633.25	852.59	0.03
Hempstead Lake	2060.13*	Max WS	872.19	3.97	18.35		18.35	0.000006	0.54	3499.06	866.34	0.03
Hempstead Lake	2051.01*	Max WS	869.92	3.99	18.35		18.35	0.000006	0.55	3368.96	878.07	0.03
Hempstead Lake	2041.90*	Max WS	867.38	4.01	18.35		18.35	0.000007	0.57	3239.75	887.88	0.03
Hempstead Lake	2032.78*	Max WS	864.60	4.03	18.35		18.35	0.000007	0.59	3116.60	915.84	0.03
Hempstead Lake	2023.67*	Max WS	861.63	4.05	18.35		18.35	0.000008	0.61	2996.95	933.36	0.04
Hempstead Lake	2014.55*	Max WS	858.98	4.07	18.35		18.35	0.000009	0.62	2882.29	934.63	0.04
Hempstead Lake	2005.44*	Max WS	856.56	4.08	18.35		18.35	0.000009	0.64	2768.38	935.69	0.04
Hempstead Lake	1996.32*	Max WS	853.81	4.10	18.35		18.36	0.000010	0.66	2659.09	936.08	0.04

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	1987.20*	Max WS	850.73	4.12	18.35		18.36	0.000011	0.67	2550.39	935.46	0.04
Hempstead Lake	1978.09*	Max WS	847.33	4.14	18.35		18.36	0.000011	0.69	2444.43	932.87	0.04
Hempstead Lake	1968.97*	Max WS	843.59	4.16	18.35		18.36	0.000012	0.71	2340.28	930.04	0.04
Hempstead Lake	1959.86*	Max WS	839.51	4.18	18.36		18.36	0.000013	0.73	2236.60	928.57	0.04
Hempstead Lake	1950.747	Max WS	835.11	4.20	18.36		18.37	0.000014	0.74	2138.15	925.50	0.05
Hempstead Lake	1945.747	Max WS	833.00	4.21	18.32		18.32	0.000034	0.83	2392.62	977.45	0.06
Hempstead Lake	1915.747		Culvert									
Hempstead Lake	1885.747	Max WS	539.67	4.50	15.66		15.66	0.000035	0.32	2253.45	822.85	0.03
Hempstead Lake	1880.747	Max WS	557.05	4.45	15.67		15.67	0.000003	0.27	3104.24	866.59	0.02
Hempstead Lake	1848.83*	Max WS	556.96	2.70	15.67		15.67	0.000001	0.12	5224.73	972.17	0.01
Hempstead Lake	1816.92*	Max WS	559.99	0.95	15.67		15.67	0.000000	0.07	8071.13	961.96	0.00
Hempstead Lake	1785.01*	Max WS	559.98	-0.80	15.67		15.67	0.000000	0.05	11606.37	1061.30	0.00
Hempstead Lake	1753.104	Max WS	559.97	-2.55	15.67		15.67	0.000000	0.04	15702.38	1190.71	0.00
Hempstead Lake	1732.65*	Max WS	559.96	-2.75	15.67		15.67	0.000000	0.04	15880.81	1222.38	0.00
Hempstead Lake	1712.21*	Max WS	559.95	-2.95	15.67		15.67	0.000000	0.04	16108.90	1260.05	0.00
Hempstead Lake	1691.76*	Max WS	556.57	-3.14	15.67		15.67	0.000000	0.04	16389.80	1298.11	0.00
Hempstead Lake	1671.32*	Max WS	556.52	-3.34	15.67		15.67	0.000000	0.03	16723.09	1336.16	0.00
Hempstead Lake	1650.87*	Max WS	556.46	-3.54	15.67		15.67	0.000000	0.03	17107.81	1371.11	0.00
Hempstead Lake	1630.434	Max WS	556.41	-3.74	15.67		15.67	0.000000	0.03	17541.42	1403.87	0.00
Hempstead Lake	1610.36*	Max WS	556.36	-3.49	15.67		15.67	0.000000	0.03	16934.16	1388.90	0.00
Hempstead Lake	1590.30*	Max WS	556.32	-3.23	15.67		15.67	0.000000	0.04	16331.43	1371.94	0.00
Hempstead Lake	1570.23*	Max WS	556.28	-2.98	15.67		15.67	0.000000	0.04	15733.53	1353.09	0.00
Hempstead Lake	1550.17*	Max WS	556.23	-2.73	15.67		15.67	0.000000	0.04	15141.88	1334.00	0.00
Hempstead Lake	1530.10*	Max WS	556.19	-2.47	15.67		15.67	0.000000	0.04	14553.53	1313.65	0.00
Hempstead Lake	1510.03*	Max WS	556.16	-2.22	15.67		15.67	0.000000	0.04	13972.37	1291.12	0.00
Hempstead Lake	1489.97*	Max WS	556.12	-1.96	15.67		15.67	0.000000	0.04	13398.46	1265.35	0.00
Hempstead Lake	1469.90*	Max WS	556.09	-1.71	15.67		15.67	0.000000	0.05	12834.22	1233.12	0.00
Hempstead Lake	1449.83*	Max WS	556.06	-1.46	15.67		15.67	0.000000	0.05	12287.14	1187.34	0.00
Hempstead Lake	1429.77*	Max WS	556.04	-1.20	15.67		15.67	0.000000	0.05	11756.34	1160.26	0.00
Hempstead Lake	1409.707	Max WS	556.01	-0.95	15.67		15.67	0.000000	0.05	11237.21	1135.75	0.00
Hempstead Lake	1389.03*	Max WS	8976.64	-0.98	15.65		15.66	0.000010	0.87	11205.66	1128.35	0.04
Hempstead Lake	1368.35*	Max WS	8978.47	-1.00	15.65		15.66	0.000010	0.87	11199.27	1121.70	0.04
Hempstead Lake	1347.67*	Max WS	8978.43	-1.03	15.65		15.66	0.000010	0.87	11193.39	1114.67	0.04
Hempstead Lake	1326.99*	Max WS	8978.40	-1.06	15.65		15.66	0.000010	0.87	11187.09	1107.38	0.04
Hempstead Lake	1306.32*	Max WS	8978.38	-1.08	15.65		15.66	0.000011	0.87	11182.25	1111.76	0.04
Hempstead Lake	1285.64*	Max WS	8978.36	-1.11	15.65		15.66	0.000011	0.87	11183.99	1117.59	0.04
Hempstead Lake	1264.96*	Max WS	8980.20	-1.14	15.65		15.66	0.000011	0.87	11187.42	1116.77	0.04
Hempstead Lake	1244.28*	Max WS	8980.17	-1.16	15.65		15.66	0.000011	0.87	11193.82	1113.01	0.04
Hempstead Lake	1223.61*	Max WS	8980.15	-1.19	15.65		15.66	0.000011	0.88	11202.02	1107.91	0.04
Hempstead Lake	1202.93*	Max WS	8980.15	-1.22	15.65		15.66	0.000011	0.88	11209.94	1105.10	0.04
Hempstead Lake	1182.25*	Max WS	8982.16	-1.24	15.65		15.66	0.000011	0.88	11216.62	1101.55	0.04
Hempstead Lake	1161.57*	Max WS	8984.42	-1.27	15.65		15.66	0.000011	0.88	11222.75	1097.48	0.04
Hempstead Lake	1140.90*	Max WS	8984.40	-1.30	15.65		15.66	0.000011	0.88	11227.75	1092.82	0.04
Hempstead Lake	1120.22*	Max WS	8984.38	-1.32	15.64		15.66	0.000011	0.88	11233.55	1088.04	0.04
Hempstead Lake	1099.54*	Max WS	8984.37	-1.35	15.64		15.66	0.000011	0.89	11235.14	1082.99	0.04
Hempstead Lake	1078.87*	Max WS	8984.36	-1.38	15.64		15.66	0.000011	0.89	11234.84	1077.66	0.04
Hempstead Lake	1058.19*	Max WS	8984.35	-1.40	15.64		15.66	0.000011	0.89	11235.17	1072.30	0.04
Hempstead Lake	1037.515	Max WS	8986.56	-1.43	15.64		15.66	0.000010	0.87	11233.91	1066.34	0.04
Hempstead Lake	1017.08*	Max WS	9059.49	-1.35	15.64		15.66	0.000012	0.90	11207.85	1058.28	0.04
Hempstead Lake	996.645*	Max WS	9061.69	-1.28	15.64		15.66	0.000015	0.90	11181.44	1050.11	0.04
Hempstead Lake	976.210*	Max WS	9061.64	-1.20	15.64		15.65	0.000017	0.90	11153.00	1042.06	0.04
Hempstead Lake	955.775*	Max WS	9061.58	-1.13	15.64		15.65	0.000021	0.89	11123.63	1033.97	0.04
Hempstead Lake	935.340*	Max WS	9061.52	-1.05	15.64		15.65	0.000023	0.89	11091.27	1025.78	0.04
Hempstead Lake	914.905*	Max WS	9061.46	-0.98	15.64		15.65	0.000027	0.89	11058.67	1017.67	0.04
Hempstead Lake	894.471*	Max WS	9061.40	-0.90	15.64		15.65	0.000030	0.89	11022.71	1009.65	0.04
Hempstead Lake	874.036*	Max WS	9061.34	-0.83	15.64		15.65	0.000034	0.89	10985.85	1001.31	0.04
Hempstead Lake	853.601*	Max WS	9061.28	-0.75	15.64		15.65	0.000037	0.89	10947.58	993.13	0.04
Hempstead Lake	833.166*	Max WS	9061.21	-0.68	15.64		15.65	0.000041	0.88	10906.82	985.12	0.04
Hempstead Lake	812.731*	Max WS	9061.15	-0.60	15.64		15.65	0.000044	0.88	10864.28	976.73	0.04
Hempstead Lake	792.296*	Max WS	9061.09	-0.53	15.64		15.65	0.000049	0.87	10821.65	968.61	0.04
Hempstead Lake	771.862	Max WS	9061.02	-0.45	15.64		15.65	0.000009	0.93	10775.41	960.40	0.04
Hempstead Lake	750.331*	Max WS	9091.12	-0.53	15.64		15.65	0.000052	0.91	10447.83	962.20	0.04
Hempstead Lake	728.8*	Max WS	9091.05	-0.61	15.63		15.65	0.000053	0.95	10123.63	962.90	0.04
Hempstead Lake	707.269*	Max WS	9090.98	-0.69	15.63		15.65	0.000052	0.99	9805.92	962.11	0.05
Hempstead Lake	685.738*	Max WS	9089.70	-0.77	15.63		15.64	0.000051	1.03	9492.94	959.09	0.05
Hempstead Lake	664.207*	Max WS	9090.83	-0.85	15.63		15.64	0.000048	1.06	9186.13	953.36	0.05
Hempstead Lake	642.676*	Max WS	9090.75	-0.93	15.62		15.64	0.000047	1.10	8887.95	943.31	0.05
Hempstead Lake	621.145*	Max WS	9089.70	-1.02	15.62		15.64	0.000043	1.13	8597.26	926.31	0.05
Hempstead Lake	599.614*	Max WS	9089.69	-1.10	15.62		15.64	0.000038	1.15	8321.36	897.06	0.06
Hempstead Lake	578.083*	Max WS	9089.69	-1.18	15.62		15.64	0.000033	1.18	8066.27	846.85	0.06
Hempstead Lake	556.552*	Max WS	9090.43	-1.26	15.62		15.64	0.000029	1.19	7859.93	734.39	0.06
Hempstead Lake	535.021*	Max WS	9089.69	-1.34	15.62		15.64	0.000024	1.21	7738.86	672.31	0.06
Hempstead Lake	513.490	Max WS	9090.30	-1.42	15.62		15.64	0.000019	1.21	7647.12	657.16	0.06
Hempstead Lake	493.038*	Max WS	9122.12	-1.03	15.61		15.64	0.000045	1.32	7081.08	639.47	0.07
Hempstead Lake	472.587*	Max WS	9122.12	-0.65	15.61		15.64	0.000061	1.42	6532.22	621.84	0.08
Hempstead Lake	452.136*	Max WS	9122.11	-0.26	15.60		15.64	0.000082	1.55	5997.36	604.18	0.08
Hempstead Lake	431.685*	Max WS	9122.11	0.12	15.59		15.63	0.000112	1.69	5478.32	586.72	0.09
Hempstead Lake	411.234*	Max WS	9122.10	0.51	15.58		15.63	0.000150	1.86	4974.80	569.32	0.11
Hempstead Lake	390.783*	Max WS	9122.09	0.90	15.56		15.63	0.000206	2.06	4483.87	551.87	0.12
Hempstead Lake	370.332*	Max WS	9122.08	1.28	15.54		15.62	0.000286	2.30	4008.11	534.46	0.14
Hempstead Lake	349.881*	Max WS	9122.07	1.67	15.51		15.62	0.000399	2.60	3543.81	516.87	0.17

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Hempstead Lake	329.430*	Max WS	9122.05	2.05	15.47		15.61	0.000564	2.97	3092.61	499.17	0.21
Hempstead Lake	308.979*	Max WS	9122.03	2.44	15.41		15.59	0.000798	3.46	2646.78	480.97	0.26
Hempstead Lake	288.528*	Max WS	9122.02	2.83	15.31		15.57	0.001141	4.14	2203.66	457.36	0.33
Hempstead Lake	268.077*	Max WS	9122.00	3.21	15.13		15.55	0.001661	5.21	1750.65	428.33	0.45
Hempstead Lake	247.626*	Max WS	9121.98	3.60	14.74		15.56	0.002542	7.28	1252.93	322.74	0.65
Hempstead Lake	227.175*	Max WS	9121.97	3.98	14.37		15.46	0.003412	8.37	1089.64	148.20	0.54
Hempstead Lake	206.724	Max WS	9121.98	4.37	14.09		15.40	0.002552	9.17	994.26	138.43	0.60
Hempstead Lake	201.724	Max WS	9121.97	4.37	14.55	10.52	15.38	0.001472	7.34	1242.35	156.24	0.46
Hempstead Lake	186.74		Inl Struct									
Hempstead Lake	171.724	Max WS	9121.97	1.00	11.49		12.20	0.000998	7.00	1355.09	145.40	0.39
Hempstead Lake	166.724	Max WS	9121.97	1.00	11.48	6.71	12.19	0.001000	7.01	1354.22	145.38	0.39

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS 80% PR 1/2 PMF NON-BREACH 8/31/15

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	15544.00	Max WS	40.20	40.18	0.02	0.00		187.42	3488.66	2612.41	694.75
Hempstead Lake	15523.7*	Max WS	40.20	40.18	0.02	0.00		421.67	3378.39	2477.09	685.27
Hempstead Lake	15503.5*	Max WS	40.19	40.18	0.02	0.00		402.97	3417.42	2456.76	677.91
Hempstead Lake	15483.3*	Max WS	40.19	40.17	0.02	0.00		381.18	3474.73	2421.22	678.36
Hempstead Lake	15463.0*	Max WS	40.19	40.17	0.02	0.00		360.45	3525.44	2380.06	680.36
Hempstead Lake	15442.8*	Max WS	40.19	40.17	0.02	0.00		346.26	3575.77	2343.91	682.20
Hempstead Lake	15422.5*	Max WS	40.19	40.17	0.02	0.00		327.53	3624.11	2314.27	683.72
Hempstead Lake	15402.3*	Max WS	40.18	40.17	0.02	0.00		308.71	3668.30	2288.87	684.99
Hempstead Lake	15382.1*	Max WS	40.18	40.17	0.02	0.00		295.72	3698.41	2260.75	685.92
Hempstead Lake	15361.8*	Max WS	40.18	40.16	0.02	0.00		278.29	3733.73	2242.85	686.52
Hempstead Lake	15341.6*	Max WS	40.18	40.16	0.02	0.00		266.27	3761.24	2227.34	686.69
Hempstead Lake	15321.4*	Max WS	40.18	40.16	0.02	0.00		249.20	3787.17	2218.45	686.31
Hempstead Lake	15301.1*	Max WS	40.18	40.16	0.02	0.00		232.09	3807.01	2215.68	685.46
Hempstead Lake	15280.9*	Max WS	40.18	40.16	0.02	0.00		220.64	3818.38	2215.73	683.99
Hempstead Lake	15260.7*	Max WS	40.18	40.16	0.02	0.00		204.12	3825.18	2225.40	681.62
Hempstead Lake	15240.4*	Max WS	40.18	40.16	0.02	0.00		187.53	3823.46	2243.67	677.95
Hempstead Lake	15220.2*	Max WS	40.18	40.16	0.02	0.00		176.37	3816.10	2262.13	675.33
Hempstead Lake	15200.02	Max WS	40.18	40.16	0.02	0.00		160.80	3821.08	2272.65	677.17
Hempstead Lake	15180.7*	Max WS	40.18	40.16	0.02	0.00		180.45	4014.83	2048.76	702.51
Hempstead Lake	15161.4*	Max WS	40.18	40.16	0.01	0.00		200.85	4211.03	1842.56	734.91
Hempstead Lake	15142.1*	Max WS	40.18	40.16	0.01	0.00		218.92	4364.87	1670.62	764.60
Hempstead Lake	15122.8*	Max WS	40.18	40.16	0.01	0.00		235.41	4492.48	1526.49	792.27
Hempstead Lake	15103.5*	Max WS	40.17	40.16	0.01	0.00		251.22	4597.24	1405.90	817.71
Hempstead Lake	15084.2*	Max WS	40.17	40.17	0.01	0.00		270.28	4678.81	1305.26	839.81
Hempstead Lake	15064.9*	Max WS	40.17	40.17	0.01	0.00		282.56	4760.83	1221.19	861.57
Hempstead Lake	15045.6*	Max WS	40.17	40.17	0.01	0.00		292.56	4826.53	1145.42	882.86
Hempstead Lake	15026.4*	Max WS	40.17	40.17	0.01	0.00		302.37	4884.80	1077.27	903.85
Hempstead Lake	15007.1*	Max WS	40.17	40.17	0.01	0.00		310.41	4929.11	1014.82	924.67
Hempstead Lake	14987.82	Max WS	40.17	40.17	0.01	0.00		131.60	5140.90	991.82	945.31
Hempstead Lake	14966.6*	Max WS	40.17	40.17	0.01	0.00		181.97	5239.66	881.27	963.17
Hempstead Lake	14945.4*	Max WS	40.17	40.17	0.01	0.00		160.56	5357.50	784.76	980.63
Hempstead Lake	14924.3*	Max WS	40.17	40.17	0.00	0.00		139.92	5457.08	696.00	997.72
Hempstead Lake	14903.1*	Max WS	40.17	40.17	0.00	0.00		120.90	5564.82	616.98	1014.34
Hempstead Lake	14882.*	Max WS	40.17	40.17	0.00	0.00		103.18	5655.13	544.31	1030.02
Hempstead Lake	14860.8*	Max WS	40.17	40.17	0.00	0.00		85.27	5738.87	478.40	1046.81
Hempstead Lake	14839.6*	Max WS	40.17	40.17	0.00	0.00		69.06	5805.59	418.35	1062.32
Hempstead Lake	14818.5*	Max WS	40.17	40.17	0.00	0.00		55.13	5882.52	364.73	1076.13
Hempstead Lake	14797.35	Max WS	40.17	40.17	0.00	0.00		19.79	6151.50	131.00	1245.13
Hempstead Lake	14777.4*	Max WS	40.17	40.17	0.00	0.00		47.24	5953.55	292.22	1209.08
Hempstead Lake	14757.4*	Max WS	40.17	40.17	0.00	0.00		50.75	5975.49	275.90	1122.32
Hempstead Lake	14737.5*	Max WS	40.17	40.17	0.00	0.00		52.98	5984.27	255.75	1135.10
Hempstead Lake	14717.5*	Max WS	40.17	40.17	0.00	0.00		57.78	5994.50	240.71	1149.25
Hempstead Lake	14697.6*	Max WS	40.17	40.17	0.00	0.00		62.57	6012.53	226.80	1162.94
Hempstead Lake	14677.6*	Max WS	40.17	40.17	0.00	0.00		67.25	6021.55	213.03	1176.48
Hempstead Lake	14657.7*	Max WS	40.17	40.17	0.00	0.00		70.55	6034.04	197.18	1190.22
Hempstead Lake	14637.7*	Max WS	40.17	40.17	0.00	0.00		73.22	6043.33	185.12	1206.00
Hempstead Lake	14617.8*	Max WS	40.17	40.17	0.00	0.00		72.55	6055.08	173.97	1223.34
Hempstead Lake	14597.8*	Max WS	40.17	40.17	0.00	0.00		73.59	6056.08	163.33	1241.39
Hempstead Lake	14577.9*	Max WS	40.17	40.17	0.00	0.00		73.47	6068.57	150.96	1260.95
Hempstead Lake	14557.9*	Max WS	40.17	40.17	0.00	0.00		76.40	6082.99	141.98	1285.71
Hempstead Lake	14538.0*	Max WS	40.17	40.17	0.00	0.00		78.74	6089.04	133.50	1312.36
Hempstead Lake	14518.0*	Max WS	40.17	40.17	0.00	0.00		78.75	6099.07	123.37	1345.80
Hempstead Lake	14498.1*	Max WS	40.17	40.17	0.00	0.00		77.44	6107.83	115.85	1498.41
Hempstead Lake	14478.1*	Max WS	40.17	40.17	0.00	0.00		78.37	6113.17	109.49	1597.51
Hempstead Lake	14458.2*	Max WS	40.17	40.17	0.00	0.00		79.01	6111.33	110.59	1640.73
Hempstead Lake	14438.2*	Max WS	40.17	40.17	0.00	0.00		77.21	6115.25	108.39	1718.73
Hempstead Lake	14418.3*	Max WS	40.17	40.17	0.00	0.00		77.90	6114.36	108.49	1737.44
Hempstead Lake	14398.37	Max WS	40.17	40.17	0.00	0.00		25.77	6165.87	109.03	1754.38
Hempstead Lake	14378.3*	Max WS	40.17	40.17	0.00	0.00		29.31	6156.27	115.02	1732.79
Hempstead Lake	14358.3*	Max WS	40.17	40.17	0.00	0.00		32.80	6146.43	121.28	1711.41
Hempstead Lake	14338.2*	Max WS	40.17	40.17	0.00	0.00		36.44	6136.14	127.83	1690.30
Hempstead Lake	14318.2*	Max WS	40.17	40.17	0.00	0.00		40.03	6125.60	134.71	1669.80
Hempstead Lake	14298.2*	Max WS	40.17	40.17	0.00	0.00		43.53	6114.72	142.01	1649.62
Hempstead Lake	14278.1*	Max WS	40.17	40.17	0.00	0.00		47.05	6103.37	149.76	1629.95
Hempstead Lake	14258.1*	Max WS	40.17	40.17	0.00	0.00		50.48	6091.75	157.88	1610.75
Hempstead Lake	14238.1*	Max WS	40.17	40.17	0.00	0.00		53.77	6079.80	166.47	1592.43
Hempstead Lake	14218.0*	Max WS	40.17	40.17	0.00	0.00		56.86	6067.54	175.56	1574.98
Hempstead Lake	14198.0*	Max WS	40.17	40.17	0.00	0.00		59.76	6054.79	185.34	1558.58
Hempstead Lake	14178.0*	Max WS	40.17	40.17	0.00	0.00		62.42	6041.76	195.66	1543.53
Hempstead Lake	14157.9*	Max WS	40.17	40.17	0.00	0.00		64.76	6028.22	206.79	1530.27
Hempstead Lake	14137.9*	Max WS	40.17	40.17	0.00	0.00		66.82	6013.61	219.27	1517.46
Hempstead Lake	14117.9*	Max WS	40.17	40.17	0.00	0.00		68.46	5997.18	233.99	1540.77

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	14097.8*	Max WS	40.17	40.17	0.00	0.00		70.21	5979.28	250.08	1570.58
Hempstead Lake	14077.8*	Max WS	40.17	40.17	0.00	0.00		72.19	5959.78	267.54	1575.40
Hempstead Lake	14057.8*	Max WS	40.17	40.17	0.00	0.00		74.31	5939.22	285.94	1571.83
Hempstead Lake	14037.7*	Max WS	40.17	40.17	0.00	0.00		76.14	5915.32	307.94	1559.21
Hempstead Lake	14017.75	Max WS	40.17	40.17	0.00	0.00		77.21	5891.07	331.07	1544.09
Hempstead Lake	13998.2*	Max WS	40.17	40.17	0.00	0.00		159.40	5731.71	408.20	1537.92
Hempstead Lake	13978.6*	Max WS	40.17	40.17	0.00	0.00		160.01	5759.10	380.16	1531.58
Hempstead Lake	13959.1*	Max WS	40.17	40.17	0.00	0.00		157.86	5785.28	356.09	1521.64
Hempstead Lake	13939.6*	Max WS	40.17	40.17	0.00	0.00		155.40	5810.76	333.04	1511.43
Hempstead Lake	13920.0*	Max WS	40.17	40.17	0.00	0.00		150.48	5841.74	306.94	1502.18
Hempstead Lake	13900.5*	Max WS	40.17	40.17	0.00	0.00		147.61	5864.47	287.03	1492.38
Hempstead Lake	13881.*	Max WS	40.17	40.17	0.00	0.00		144.03	5884.54	270.53	1478.19
Hempstead Lake	13861.4*	Max WS	40.17	40.17	0.00	0.00		140.18	5909.28	249.60	1466.60
Hempstead Lake	13841.9*	Max WS	40.17	40.17	0.00	0.00		135.84	5928.95	234.25	1457.31
Hempstead Lake	13822.3*	Max WS	40.17	40.17	0.00	0.00		129.12	5954.20	215.70	1449.34
Hempstead Lake	13802.8*	Max WS	40.17	40.17	0.00	0.00		124.28	5973.52	201.19	1443.49
Hempstead Lake	13783.3*	Max WS	40.17	40.17	0.00	0.00		117.54	5997.25	184.18	1438.24
Hempstead Lake	13763.7*	Max WS	40.17	40.17	0.00	0.00		111.85	6017.33	169.77	1434.08
Hempstead Lake	13744.2*	Max WS	40.17	40.17	0.00	0.00		107.02	6037.89	154.02	1430.92
Hempstead Lake	13724.7*	Max WS	40.17	40.17	0.00	0.00		101.70	6060.18	141.13	1428.85
Hempstead Lake	13705.1*	Max WS	40.17	40.17	0.00	0.00		93.93	6083.53	125.46	1427.14
Hempstead Lake	13685.63	Max WS	40.17	40.17	0.00	0.00		66.25	6147.72	84.93	1426.39
Hempstead Lake	13666.4*	Max WS	40.17	40.17	0.00	0.00		84.46	6096.86	117.57	1442.67
Hempstead Lake	13647.1*	Max WS	40.17	40.17	0.00	0.00		82.57	6096.08	120.21	1462.22
Hempstead Lake	13627.9*	Max WS	40.17	40.17	0.00	0.00		82.48	6094.39	125.68	1464.53
Hempstead Lake	13608.7*	Max WS	40.17	40.17	0.00	0.00		84.01	6087.04	127.80	1461.55
Hempstead Lake	13589.5*	Max WS	40.17	40.17	0.00	0.00		86.22	6085.58	130.56	1458.66
Hempstead Lake	13570.2*	Max WS	40.17	40.17	0.00	0.00		87.95	6082.12	132.19	1455.56
Hempstead Lake	13551.0*	Max WS	40.17	40.17	0.00	0.00		90.88	6074.65	136.64	1452.12
Hempstead Lake	13531.8*	Max WS	40.17	40.17	0.00	0.00		92.63	6072.03	137.44	1449.05
Hempstead Lake	13512.6*	Max WS	40.17	40.17	0.00	0.00		94.93	6068.51	138.57	1446.29
Hempstead Lake	13493.3*	Max WS	40.17	40.17	0.00	0.00		96.31	6067.58	138.02	1443.79
Hempstead Lake	13474.1*	Max WS	40.17	40.17	0.00	0.00		98.27	6065.63	137.93	1441.58
Hempstead Lake	13454.9*	Max WS	40.17	40.17	0.00	0.00		99.64	6064.70	137.41	1439.67
Hempstead Lake	13435.72	Max WS	40.17	40.17	0.00	0.00		85.19	5909.39	307.10	1438.04
Hempstead Lake	13419.3*	Max WS	40.17	40.17	0.00	0.00		94.92	6079.76	126.93	1442.17
Hempstead Lake	13403.0*	Max WS	40.17	40.17	0.00	0.00		101.33	6076.31	121.25	1446.26
Hempstead Lake	13386.6*	Max WS	40.17	40.17	0.00	0.00		107.34	6079.76	114.39	1450.37
Hempstead Lake	13370.3*	Max WS	40.17	40.17	0.00	0.00		111.73	6083.96	105.74	1454.41
Hempstead Lake	13354.*	Max WS	40.17	40.17	0.00	0.00		117.87	6084.93	98.56	1458.41
Hempstead Lake	13337.6*	Max WS	40.17	40.17	0.00	0.00		123.38	6086.96	90.97	1462.42
Hempstead Lake	13321.3*	Max WS	40.17	40.17	0.00	0.00		129.34	6088.35	83.56	1466.35
Hempstead Lake	13304.9*	Max WS	40.17	40.17	0.00	0.00		134.72	6090.52	75.95	1470.27
Hempstead Lake	13288.6*	Max WS	40.17	40.17	0.00	0.00		140.56	6091.87	68.71	1474.17
Hempstead Lake	13272.29	Max WS	40.17	40.17	0.00	0.00		124.15	6127.67	49.25	1478.03
Hempstead Lake	13255.0*	Max WS	40.17	40.17	0.00	0.00		124.59	6124.92	51.50	1479.26
Hempstead Lake	13237.8*	Max WS	40.17	40.17	0.00	0.00		126.75	6120.60	53.60	1480.39
Hempstead Lake	13220.5*	Max WS	40.17	40.17	0.00	0.00		128.55	6116.85	55.50	1481.40
Hempstead Lake	13203.3*	Max WS	40.17	40.17	0.00	0.00		127.63	6117.13	56.10	1482.27
Hempstead Lake	13186.0*	Max WS	40.17	40.17	0.00	0.00		129.14	6113.79	57.86	1483.01
Hempstead Lake	13168.8*	Max WS	40.17	40.17	0.00	0.00		130.86	6110.22	59.66	1483.61
Hempstead Lake	13151.6*	Max WS	40.17	40.17	0.00	0.00		132.63	6106.62	61.43	1484.13
Hempstead Lake	13134.3*	Max WS	40.17	40.17	0.00	0.00		133.65	6104.07	62.91	1484.53
Hempstead Lake	13117.1*	Max WS	40.17	40.17	0.00	0.00		134.94	6101.17	64.46	1484.77
Hempstead Lake	13099.8*	Max WS	40.17	40.17	0.00	0.00		133.45	6102.38	64.68	1484.81
Hempstead Lake	13082.6*	Max WS	40.17	40.17	0.00	0.00		133.99	6100.63	65.86	1484.72
Hempstead Lake	13065.3*	Max WS	40.17	40.17	0.00	0.00		134.27	6099.24	66.93	1484.44
Hempstead Lake	13048.1*	Max WS	40.17	40.17	0.00	0.00		134.75	6097.44	68.20	1483.85
Hempstead Lake	13030.9*	Max WS	40.17	40.17	0.00	0.00		134.44	6096.86	69.03	1482.80
Hempstead Lake	13013.6*	Max WS	40.17	40.16	0.00	0.00		133.71	6096.75	69.84	1481.55
Hempstead Lake	12996.4*	Max WS	40.17	40.16	0.00	0.00		131.76	6098.53	69.95	1480.00
Hempstead Lake	12979.1*	Max WS	40.17	40.16	0.00	0.00		130.62	6099.04	70.54	1478.19
Hempstead Lake	12961.9*	Max WS	40.17	40.16	0.00	0.00		129.24	6099.81	71.11	1476.20
Hempstead Lake	12944.7*	Max WS	40.17	40.16	0.00	0.00		128.94	6098.85	72.33	1473.76
Hempstead Lake	12927.4*	Max WS	40.17	40.16	0.00	0.00		127.09	6100.22	72.78	1470.96
Hempstead Lake	12910.2*	Max WS	40.17	40.16	0.00	0.00		125.05	6101.65	73.36	1467.84
Hempstead Lake	12892.97	Max WS	40.17	40.16	0.00	0.00		88.02	6122.05	89.96	1464.43
Hempstead Lake	12881.0*	Max WS	40.17	40.16	0.00	0.00		108.61	7207.45	66.31	1460.96
Hempstead Lake	12869.1*	Max WS	40.17	40.16	0.00	0.00		108.43	7206.59	67.31	1457.10
Hempstead Lake	12857.1*	Max WS	40.17	40.16	0.00	0.00		108.14	7205.73	68.42	1453.27
Hempstead Lake	12845.2*	Max WS	40.17	40.16	0.00	0.00		107.92	7204.70	69.63	1449.15
Hempstead Lake	12833.3*	Max WS	40.17	40.16	0.00	0.00		107.66	7203.68	70.88	1444.80

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12821.4*	Max WS	40.17	40.16	0.00	0.00		107.49	7202.39	72.29	1440.42
Hempstead Lake	12809.4*	Max WS	40.17	40.16	0.00	0.00		107.27	7201.09	73.78	1436.20
Hempstead Lake	12797.5*	Max WS	40.17	40.16	0.00	0.00		107.00	7199.88	75.24	1432.36
Hempstead Lake	12785.6*	Max WS	40.17	40.16	0.00	0.00		106.69	7198.68	76.70	1428.42
Hempstead Lake	12773.7*	Max WS	40.17	40.16	0.00	0.00		106.44	7197.37	78.23	1424.68
Hempstead Lake	12761.7*	Max WS	40.17	40.16	0.00	0.00		106.15	7196.11	79.75	1421.28
Hempstead Lake	12749.8*	Max WS	40.17	40.16	0.00	0.00		105.91	7194.83	81.24	1418.31
Hempstead Lake	12737.9*	Max WS	40.17	40.16	0.00	0.00		105.66	7193.58	82.70	1415.52
Hempstead Lake	12726.0*	Max WS	40.17	40.16	0.00	0.00		105.37	7192.61	83.95	1413.23
Hempstead Lake	12714.0*	Max WS	40.17	40.16	0.00	0.00		105.03	7191.64	85.22	1411.04
Hempstead Lake	12702.1*	Max WS	40.17	40.16	0.00	0.00		104.75	7190.58	86.53	1408.82
Hempstead Lake	12690.2*	Max WS	40.17	40.16	0.00	0.00		104.40	7189.64	87.80	1406.62
Hempstead Lake	12678.3*	Max WS	40.17	40.16	0.00	0.00		104.21	7188.37	89.23	1404.52
Hempstead Lake	12666.3*	Max WS	40.17	40.16	0.00	0.00		103.86	7187.40	90.51	1402.36
Hempstead Lake	12654.4*	Max WS	40.17	40.16	0.00	0.00		103.54	7186.39	91.82	1400.21
Hempstead Lake	12642.5*	Max WS	40.17	40.16	0.00	0.00		103.23	7185.33	93.15	1398.17
Hempstead Lake	12630.6*	Max WS	40.17	40.16	0.00	0.00		102.90	7184.35	94.43	1396.07
Hempstead Lake	12618.6*	Max WS	40.17	40.16	0.00	0.00		102.61	7183.16	95.89	1394.01
Hempstead Lake	12606.7*	Max WS	40.17	40.16	0.00	0.00		102.26	7182.23	97.14	1391.99
Hempstead Lake	12594.8*	Max WS	40.17	40.16	0.00	0.00		101.92	7181.14	98.54	1389.96
Hempstead Lake	12582.9*	Max WS	40.17	40.16	0.00	0.00		101.58	7180.18	99.82	1387.91
Hempstead Lake	12570.9*	Max WS	40.17	40.16	0.00	0.00		101.17	7179.23	101.15	1385.93
Hempstead Lake	12559.0*	Max WS	40.17	40.16	0.00	0.00		100.85	7178.11	102.56	1383.94
Hempstead Lake	12547.1*	Max WS	40.17	40.16	0.00	0.00		100.58	7177.07	103.86	1381.93
Hempstead Lake	12535.2*	Max WS	40.17	40.16	0.00	0.00		100.15	7176.13	105.21	1380.01
Hempstead Lake	12523.27	Max WS	40.17	40.16	0.00	0.00		99.89	7179.94	101.64	1378.02
Hempstead Lake	12515.8*	Max WS	40.17	40.16	0.00	0.00		160.95	7598.47	104.88	1364.43
Hempstead Lake	12508.3*	Max WS	40.17	40.16	0.00	0.00		172.29	7590.78	101.21	1350.79
Hempstead Lake	12500.9*	Max WS	40.17	40.16	0.00	0.00		180.98	7586.10	97.18	1337.11
Hempstead Lake	12493.4*	Max WS	40.17	40.16	0.00	0.00		189.56	7582.15	92.55	1323.33
Hempstead Lake	12486.0*	Max WS	40.17	40.16	0.00	0.00		200.64	7576.00	87.60	1309.32
Hempstead Lake	12478.5*	Max WS	40.17	40.16	0.00	0.00		208.84	7573.20	82.19	1295.24
Hempstead Lake	12471.1*	Max WS	40.17	40.16	0.00	0.00		216.48	7571.05	76.67	1280.96
Hempstead Lake	12463.7*	Max WS	40.16	40.16	0.00	0.00		227.35	7566.07	70.77	1266.85
Hempstead Lake	12456.2*	Max WS	40.16	40.16	0.00	0.00		234.62	7564.83	64.74	1252.85
Hempstead Lake	12448.8*	Max WS	40.16	40.16	0.00	0.00		241.35	7564.32	58.49	1238.82
Hempstead Lake	12441.3*	Max WS	40.16	40.16	0.00	0.00		251.75	7559.94	52.47	1224.54
Hempstead Lake	12433.9*	Max WS	40.16	40.16	0.00	0.00		262.23	7554.68	47.23	1210.05
Hempstead Lake	12426.4*	Max WS	40.16	40.16	0.00	0.00		267.88	7554.94	41.31	1195.42
Hempstead Lake	12419.0*	Max WS	40.16	40.16	0.00	0.00		277.30	7551.32	35.50	1180.55
Hempstead Lake	12411.5*	Max WS	40.16	40.16	0.00	0.00		282.15	7551.89	30.06	1165.58
Hempstead Lake	12404.1*	Max WS	40.16	40.16	0.00	0.00		286.45	7552.66	24.99	1150.41
Hempstead Lake	12396.6*	Max WS	40.16	40.16	0.00	0.00		290.07	7553.65	20.37	1134.40
Hempstead Lake	12389.2*	Max WS	40.16	40.16	0.00	0.00		298.18	7549.73	16.17	1118.20
Hempstead Lake	12381.8*	Max WS	40.16	40.16	0.00	0.00		304.50	7546.89	12.67	1101.67
Hempstead Lake	12374.3*	Max WS	40.16	40.16	0.00	0.00		305.93	7548.70	9.42	1084.99
Hempstead Lake	12366.9*	Max WS	40.16	40.16	0.00	0.00		312.14	7545.22	6.69	1067.85
Hempstead Lake	12359.46	Max WS	40.16	40.16	0.00	0.00		139.83	7722.18	2.03	1050.49
Hempstead Lake	12349.5*	Max WS	40.16	40.16	0.00	0.00		328.78	7850.15	5.12	1035.63
Hempstead Lake	12339.7*	Max WS	40.16	40.16	0.00	0.00		332.24	7846.26	5.55	1020.77
Hempstead Lake	12329.8*	Max WS	40.16	40.16	0.00	0.00		327.68	7850.35	5.99	1005.92
Hempstead Lake	12320.*	Max WS	40.16	40.16	0.00	0.00		330.96	7846.59	6.46	990.98
Hempstead Lake	12310.1*	Max WS	40.16	40.16	0.00	0.00		334.31	7842.74	6.95	976.02
Hempstead Lake	12300.2*	Max WS	40.16	40.16	0.00	0.00		337.20	7839.32	7.46	961.00
Hempstead Lake	12290.4*	Max WS	40.16	40.16	0.00	0.00		337.42	7838.57	7.98	945.99
Hempstead Lake	12280.5*	Max WS	40.16	40.16	0.01	0.00		340.31	7835.10	8.54	930.91
Hempstead Lake	12270.6*	Max WS	40.16	40.16	0.01	0.00		338.05	7836.76	9.12	915.78
Hempstead Lake	12260.8*	Max WS	40.16	40.16	0.01	0.00		340.80	7833.39	9.72	900.62
Hempstead Lake	12250.9*	Max WS	40.16	40.16	0.01	0.00		343.18	7830.33	10.40	885.43
Hempstead Lake	12241.0*	Max WS	40.16	40.16	0.01	0.00		342.51	7830.43	10.95	870.19
Hempstead Lake	12231.2*	Max WS	40.16	40.16	0.01	0.00		344.68	7827.58	11.61	854.91
Hempstead Lake	12221.3*	Max WS	40.16	40.16	0.01	0.00		342.10	7829.45	12.31	839.58
Hempstead Lake	12211.4*	Max WS	40.16	40.15	0.01	0.00		343.94	7826.85	13.05	824.32
Hempstead Lake	12201.6*	Max WS	40.16	40.15	0.01	0.00		345.45	7824.61	13.76	809.03
Hempstead Lake	12191.7*	Max WS	40.16	40.15	0.01	0.00		343.58	7825.86	14.37	793.76
Hempstead Lake	12181.8*	Max WS	40.16	40.15	0.01	0.00		344.70	7823.99	15.10	778.47
Hempstead Lake	12172.0*	Max WS	40.16	40.15	0.01	0.00		341.72	7826.14	15.92	763.05
Hempstead Lake	12162.1*	Max WS	40.16	40.15	0.01	0.00		342.15	7824.94	16.68	747.82
Hempstead Lake	12152.2*	Max WS	40.16	40.15	0.01	0.00		339.43	7827.06	17.27	732.68
Hempstead Lake	12142.4*	Max WS	40.16	40.15	0.01	0.00		309.08	7858.25	16.42	717.52
Hempstead Lake	12132.5*	Max WS	40.16	40.15	0.01	0.00		306.95	7859.69	17.09	702.04
Hempstead Lake	12122.7*	Max WS	40.16	40.15	0.01	0.00		304.30	7861.59	17.83	686.45

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	12112.8*	Max WS	40.16	40.15	0.01	0.00		298.29	7867.29	18.13	672.62
Hempstead Lake	12102.9*	Max WS	40.16	40.15	0.01	0.00		289.87	7875.57	18.25	658.22
Hempstead Lake	12093.1*	Max WS	40.16	40.15	0.01	0.00		286.12	7878.79	18.78	643.55
Hempstead Lake	12083.2*	Max WS	40.16	40.15	0.01	0.00		281.84	7882.45	19.38	628.79
Hempstead Lake	12073.3*	Max WS	40.16	40.15	0.01	0.00		277.34	7886.38	19.94	613.94
Hempstead Lake	12063.5*	Max WS	40.16	40.14	0.01	0.00		269.79	7893.34	20.51	599.16
Hempstead Lake	12053.6*	Max WS	40.16	40.14	0.02	0.00		258.98	7903.98	20.68	584.22
Hempstead Lake	12043.7*	Max WS	40.16	40.14	0.02	0.00		252.97	7909.35	21.30	569.11
Hempstead Lake	12033.9*	Max WS	40.16	40.14	0.02	0.00		246.69	7914.98	21.94	553.76
Hempstead Lake	12024.0*	Max WS	40.16	40.14	0.02	0.00		239.78	7921.26	22.55	538.19
Hempstead Lake	12014.1*	Max WS	40.16	40.14	0.02	0.00		226.83	7934.13	22.63	522.58
Hempstead Lake	12004.3*	Max WS	40.16	40.14	0.02	0.00		217.41	7942.88	23.28	506.79
Hempstead Lake	11994.45	Max WS	40.16	40.13	0.02	0.00		289.46	7854.56	39.54	490.75
Hempstead Lake	11989.45	Max WS	40.15	40.13	0.02			305.95	7887.53	43.90	490.73
Hempstead Lake	11979		Inl Struct								
Hempstead Lake	11969.45	Max WS	40.13	40.10	0.02	0.00		365.30	7809.60	62.47	490.27
Hempstead Lake	11964.45	Max WS	40.13	40.10	0.02	0.00		384.37	7786.36	66.64	490.26
Hempstead Lake	11954.6*	Max WS	40.12	40.10	0.02	0.00		243.22	7939.88	54.26	498.25
Hempstead Lake	11944.8*	Max WS	40.12	40.10	0.03	0.00		251.46	7925.10	60.80	507.29
Hempstead Lake	11934.9*	Max WS	40.12	40.10	0.03	0.00		258.10	7910.78	68.47	517.68
Hempstead Lake	11925.1*	Max WS	40.12	40.09	0.03	0.00		264.78	7894.63	77.93	528.35
Hempstead Lake	11915.3*	Max WS	40.12	40.09	0.03	0.00		271.13	7876.36	89.84	539.64
Hempstead Lake	11905.5*	Max WS	40.11	40.08	0.03	0.00		278.86	7853.37	105.09	550.26
Hempstead Lake	11895.6*	Max WS	40.11	40.07	0.03	0.00		284.64	7829.26	123.43	561.84
Hempstead Lake	11885.8*	Max WS	40.10	40.07	0.03	0.00		290.86	7799.90	146.56	573.72
Hempstead Lake	11876.0*	Max WS	40.10	40.06	0.04	0.00		347.51	7684.64	205.16	585.73
Hempstead Lake	11866.2*	Max WS	40.09	40.05	0.04	0.00		350.27	7643.91	243.12	598.49
Hempstead Lake	11856.4*	Max WS	40.08	40.04	0.04	0.00		351.94	7590.70	294.66	604.50
Hempstead Lake	11846.5*	Max WS	40.07	40.03	0.04	0.00		352.96	7526.23	358.11	606.16
Hempstead Lake	11836.7*	Max WS	40.05	40.00	0.04	0.00		353.62	7451.60	432.07	607.82
Hempstead Lake	11826.9*	Max WS	39.99	39.94	0.05	0.00		351.84	7372.80	512.65	609.47
Hempstead Lake	11817.1*	Max WS	39.89	39.85	0.05	0.00		348.33	7285.56	603.39	611.13
Hempstead Lake	11807.2*	Max WS	39.85	39.79	0.05	0.00		344.76	7179.76	712.75	612.78
Hempstead Lake	11797.46	Max WS	38.53	38.45	0.08	0.00		212.32	7376.94	648.01	614.44
Hempstead Lake	11792.46	Max WS	39.22	39.15	0.07			237.12	7366.19	633.96	614.44
Hempstead Lake	11712.46		Culvert								
Hempstead Lake	11632.46	Max WS	34.56	34.53	0.03	0.00			863.84		65.23
Hempstead Lake	11627.46	Max WS	34.56	34.53	0.03	0.00			896.18		93.63
Hempstead Lake	11617.9*	Max WS	34.56	34.53	0.02	0.00			895.10		214.53
Hempstead Lake	11608.4*	Max WS	34.56	34.54	0.02	0.00			901.63		400.31
Hempstead Lake	11598.94	Max WS	34.56	34.54	0.01	0.00			908.32		606.49
Hempstead Lake	11573.9*	Max WS	34.56	34.56	0.01	0.00		7.33	914.26	0.00	702.24
Hempstead Lake	11548.9*	Max WS	34.56	34.56	0.00	0.00		28.36	895.60		759.80
Hempstead Lake	11523.9*	Max WS	34.56	34.56	0.00	0.00		65.89	861.03		826.45
Hempstead Lake	11498.9*	Max WS	34.56	34.56	0.00	0.00		119.06	809.06		894.57
Hempstead Lake	11473.9*	Max WS	34.56	34.56	0.00	0.00		182.75	745.36		963.35
Hempstead Lake	11448.9*	Max WS	34.56	34.56	0.00	0.00		242.43	685.08		1032.74
Hempstead Lake	11423.9*	Max WS	34.56	34.56	0.00	0.00		294.78	633.92		1102.44
Hempstead Lake	11398.9*	Max WS	34.56	34.56	0.00	0.00		343.78	584.90		1172.44
Hempstead Lake	11373.9*	Max WS	34.56	34.56	0.00	0.00		384.16	543.93		1242.28
Hempstead Lake	11349.*	Max WS	34.56	34.56	0.00	0.00		421.70	506.97		1312.35
Hempstead Lake	11324.*	Max WS	34.56	34.56	0.00	0.00		463.37	465.29		1381.88
Hempstead Lake	11299.0*	Max WS	34.56	34.56	0.00	0.00		494.83	434.41		1452.05
Hempstead Lake	11274.0*	Max WS	34.56	34.56	0.00	0.00		523.37	405.86		1521.50
Hempstead Lake	11249.0*	Max WS	34.56	34.56	0.00	0.00		554.27	373.81		1591.73
Hempstead Lake	11224.0*	Max WS	34.56	34.56	0.00	0.00		579.26	350.53		1661.31
Hempstead Lake	11199.0*	Max WS	34.56	34.56	0.00	0.00		601.03	328.17		1731.45
Hempstead Lake	11174.0*	Max WS	34.56	34.56	0.00	0.00		621.03	307.60		1801.05
Hempstead Lake	11149.0*	Max WS	34.56	34.56	0.00	0.00		645.07	283.00		1871.40
Hempstead Lake	11124.0*	Max WS	34.56	34.56	0.00	0.00		663.35	265.82		1941.04
Hempstead Lake	11099.0*	Max WS	34.56	34.56	0.00	0.00		678.77	249.27		2011.20
Hempstead Lake	11074.0*	Max WS	34.56	34.56	0.00	0.00		700.61	229.09		2081.09
Hempstead Lake	11049.07	Max WS	34.56	34.56	0.00	0.00		530.70	397.90		2151.23
Hempstead Lake	11038.4*	Max WS	34.56	34.56	0.00	0.00		693.99	234.05		1923.36
Hempstead Lake	11027.7*	Max WS	34.56	34.56	0.00	0.00		679.55	248.49		1904.16
Hempstead Lake	11017.0*	Max WS	34.56	34.56	0.00	0.00		658.67	269.90		1884.75
Hempstead Lake	11006.4*	Max WS	34.56	34.56	0.00	0.00		636.49	292.64		1865.36
Hempstead Lake	10995.7*	Max WS	34.56	34.56	0.00	0.00		618.54	310.04		1846.23
Hempstead Lake	10985.0*	Max WS	34.56	34.56	0.00	0.00		593.23	334.81		1826.97
Hempstead Lake	10974.4*	Max WS	34.56	34.56	0.00	0.00		573.51	354.51		1807.86
Hempstead Lake	10963.7*	Max WS	34.56	34.56	0.00	0.00		546.66	381.90		1788.57
Hempstead Lake	10953.1*	Max WS	34.56	34.56	0.00	0.00		518.46	410.09		1769.41

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	10942.4*	Max WS	34.56	34.56	0.00	0.00		495.07	432.44		1750.36
Hempstead Lake	10931.7*	Max WS	34.56	34.56	0.00	0.00		465.67	462.87		1731.18
Hempstead Lake	10921.1*	Max WS	34.56	34.56	0.00	0.00		434.68	492.82		1712.14
Hempstead Lake	10910.4*	Max WS	34.56	34.56	0.00	0.00		410.62	518.99		1693.13
Hempstead Lake	10899.7*	Max WS	34.56	34.56	0.00	0.00		378.97	550.10		1674.07
Hempstead Lake	10889.1*	Max WS	34.56	34.56	0.00	0.00		347.27	580.74		1655.21
Hempstead Lake	10878.4*	Max WS	34.56	34.56	0.00	0.00		322.07	607.51		1636.21
Hempstead Lake	10867.8*	Max WS	34.56	34.56	0.00	0.00		290.85	637.68		1617.09
Hempstead Lake	10857.1*	Max WS	34.56	34.56	0.00	0.00		265.60	663.45		1598.30
Hempstead Lake	10846.4*	Max WS	34.56	34.56	0.00	0.00		236.29	692.75		1579.41
Hempstead Lake	10835.8*	Max WS	34.56	34.56	0.00	0.00		208.27	720.77		1560.54
Hempstead Lake	10825.1*	Max WS	34.56	34.56	0.00	0.00		186.10	743.45		1541.80
Hempstead Lake	10814.4*	Max WS	34.56	34.56	0.00	0.00		161.78	766.74		1522.97
Hempstead Lake	10803.8*	Max WS	34.56	34.56	0.00	0.00		139.49	789.54		1504.11
Hempstead Lake	10793.1*	Max WS	34.56	34.56	0.00	0.00		121.31	807.72		1485.51
Hempstead Lake	10782.4*	Max WS	34.56	34.56	0.00	0.00		102.35	826.17		1466.78
Hempstead Lake	10771.8*	Max WS	34.56	34.56	0.00	0.00		85.42	843.61		1447.97
Hempstead Lake	10761.1*	Max WS	34.56	34.56	0.00	0.00		71.84	856.17		1429.46
Hempstead Lake	10750.5*	Max WS	34.56	34.56	0.00	0.00		58.50	872.02		1409.81
Hempstead Lake	10739.8*	Max WS	34.56	34.56	0.00	0.00		46.86	882.66		1389.82
Hempstead Lake	10729.1*	Max WS	34.56	34.56	0.00	0.00		37.69	891.32		1369.91
Hempstead Lake	10718.5*	Max WS	34.56	34.56	0.00	0.00		29.18	899.34		1350.29
Hempstead Lake	10707.8*	Max WS	34.56	34.56	0.00	0.00		22.56	907.44		1330.92
Hempstead Lake	10697.1*	Max WS	34.56	34.56	0.00	0.00		16.67	913.82		1311.30
Hempstead Lake	10686.5*	Max WS	34.56	34.56	0.00	0.00		11.94	919.07		1292.05
Hempstead Lake	10675.8*	Max WS	34.56	34.56	0.00	0.00		8.36	920.64		1273.12
Hempstead Lake	10665.2*	Max WS	34.56	34.56	0.00	0.00		5.45	924.04		1254.91
Hempstead Lake	10654.5*	Max WS	34.56	34.56	0.00	0.00		3.33	926.65		1236.25
Hempstead Lake	10643.8*	Max WS	34.56	34.56	0.00	0.00		1.87	927.13		1217.43
Hempstead Lake	10633.2*	Max WS	34.56	34.56	0.00	0.00		0.88	929.59		1198.08
Hempstead Lake	10622.5*	Max WS	34.56	34.56	0.00	0.00		0.31	928.69		1177.66
Hempstead Lake	10611.8*	Max WS	34.56	34.56	0.00	0.00		0.04	930.92		1156.64
Hempstead Lake	10601.2*	Max WS	34.56	34.56	0.00	0.00			930.46		1064.03
Hempstead Lake	10590.5*	Max WS	34.56	34.56	0.00	0.00			929.48		1034.90
Hempstead Lake	10579.8*	Max WS	34.56	34.56	0.00	0.00			929.96		1025.09
Hempstead Lake	10569.23	Max WS	34.56	34.56	0.00	0.00			931.45		1016.71
Hempstead Lake	10549.1*	Max WS	34.56	34.56	0.00	0.00			930.95		1024.08
Hempstead Lake	10529.0*	Max WS	34.56	34.56	0.00	0.00			930.94		1037.08
Hempstead Lake	10508.9*	Max WS	34.56	34.56	0.00	0.00			930.45		1047.65
Hempstead Lake	10488.7*	Max WS	34.56	34.56	0.00	0.00			930.93		1054.48
Hempstead Lake	10468.6*	Max WS	34.56	34.56	0.00	0.00			931.94		1059.37
Hempstead Lake	10448.5*	Max WS	34.56	34.56	0.00	0.00			931.42		1062.16
Hempstead Lake	10428.4*	Max WS	34.56	34.56	0.00	0.00			931.93		1063.68
Hempstead Lake	10408.3*	Max WS	34.56	34.56	0.00	0.00			931.92		1064.91
Hempstead Lake	10388.2*	Max WS	34.56	34.56	0.00	0.00			930.44		1065.29
Hempstead Lake	10368.1*	Max WS	34.56	34.56	0.00	0.00			932.43		1065.11
Hempstead Lake	10348.0*	Max WS	34.56	34.56	0.00	0.00			932.42		1064.88
Hempstead Lake	10327.9*	Max WS	34.56	34.56	0.00	0.00			931.41		1064.09
Hempstead Lake	10307.8*	Max WS	34.56	34.56	0.00	0.00			931.91		1063.09
Hempstead Lake	10287.7*	Max WS	34.56	34.56	0.00	0.00			930.92		1061.98
Hempstead Lake	10267.6*	Max WS	34.56	34.56	0.00	0.00			933.45		1060.59
Hempstead Lake	10247.4*	Max WS	34.56	34.56	0.00	0.00			932.40		1059.06
Hempstead Lake	10227.3*	Max WS	34.56	34.56	0.00	0.00			932.92		1057.44
Hempstead Lake	10207.2*	Max WS	34.56	34.56	0.00	0.00			931.41		1055.67
Hempstead Lake	10187.1*	Max WS	34.56	34.56	0.00	0.00			933.44		1053.82
Hempstead Lake	10167.0*	Max WS	34.56	34.56	0.00	0.00			932.92		1051.80
Hempstead Lake	10146.9*	Max WS	34.56	34.56	0.00	0.00			932.91		1049.83
Hempstead Lake	10126.8*	Max WS	34.56	34.56	0.00	0.00			932.40		1047.82
Hempstead Lake	10106.7*	Max WS	34.56	34.56	0.00	0.00			934.50		1045.57
Hempstead Lake	10086.6*	Max WS	34.56	34.56	0.00	0.00			935.05		1043.45
Hempstead Lake	10066.5*	Max WS	34.56	34.56	0.00	0.00			933.43		1041.31
Hempstead Lake	10046.4*	Max WS	34.56	34.56	0.00	0.00			934.50		1039.06
Hempstead Lake	10026.2*	Max WS	34.56	34.56	0.00	0.00			932.40		1036.84
Hempstead Lake	10006.1*	Max WS	34.56	34.56	0.00	0.00			932.39		1034.48
Hempstead Lake	9986.073	Max WS	34.56	34.56	0.00	0.00			935.04		1032.17
Hempstead Lake	9965.77*	Max WS	34.56	34.56	0.00	0.00			934.49		1029.70
Hempstead Lake	9945.47*	Max WS	34.56	34.56	0.00	0.00			933.95		1027.15
Hempstead Lake	9925.18*	Max WS	34.56	34.56	0.00	0.00			936.15		1024.50
Hempstead Lake	9904.88*	Max WS	34.56	34.56	0.00	0.00			935.59		1021.74
Hempstead Lake	9884.59*	Max WS	34.56	34.56	0.00	0.00			935.03		1018.76
Hempstead Lake	9864.29*	Max WS	34.56	34.56	0.00	0.00			933.94		1015.93
Hempstead Lake	9843.99*	Max WS	34.56	34.56	0.00	0.00			936.73		1012.82

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	9823.7*	Max WS	34.56	34.56	0.00	0.00			936.72		1010.03
Hempstead Lake	9803.40*	Max WS	34.56	34.56	0.00	0.00			936.14		1008.02
Hempstead Lake	9783.10*	Max WS	34.56	34.56	0.00	0.00			935.02		1005.96
Hempstead Lake	9762.81*	Max WS	34.56	34.56	0.00	0.00			935.57	0.00	1003.79
Hempstead Lake	9742.51*	Max WS	34.56	34.56	0.00	0.00			939.11	0.00	1001.47
Hempstead Lake	9722.21*	Max WS	34.56	34.56	0.00	0.00			937.89	0.00	1000.51
Hempstead Lake	9701.92*	Max WS	34.56	34.56	0.00	0.00			937.29	0.01	998.91
Hempstead Lake	9681.62*	Max WS	34.56	34.56	0.00	0.00		0.00	937.28	0.02	997.11
Hempstead Lake	9661.32*	Max WS	34.56	34.56	0.00	0.00		0.00	937.27	0.02	994.21
Hempstead Lake	9641.03*	Max WS	34.56	34.56	0.00	0.00		0.00	939.06	0.04	991.84
Hempstead Lake	9620.73*	Max WS	34.56	34.56	0.00	0.00		0.00	939.04	0.05	989.76
Hempstead Lake	9600.43*	Max WS	34.56	34.56	0.00	0.00		0.01	939.01	0.06	987.62
Hempstead Lake	9580.14*	Max WS	34.56	34.56	0.00	0.00		0.01	938.39	0.08	985.37
Hempstead Lake	9559.84*	Max WS	34.56	34.56	0.00	0.00		0.02	938.36	0.10	982.82
Hempstead Lake	9539.54*	Max WS	34.56	34.56	0.00	0.00		0.03	941.43	0.12	980.35
Hempstead Lake	9519.25*	Max WS	34.56	34.56	0.00	0.00		0.05	940.75	0.15	977.79
Hempstead Lake	9498.95*	Max WS	34.56	34.56	0.00	0.00		0.06	941.33	0.18	975.23
Hempstead Lake	9478.65*	Max WS	34.56	34.56	0.00	0.00		0.08	941.93	0.22	972.41
Hempstead Lake	9458.36*	Max WS	34.56	34.56	0.00	0.00		0.10	940.58	0.25	969.68
Hempstead Lake	9438.06*	Max WS	34.56	34.56	0.00	0.00		0.13	941.15	0.29	966.78
Hempstead Lake	9417.76*	Max WS	34.56	34.56	0.00	0.00		0.15	940.43	0.35	963.97
Hempstead Lake	9397.47*	Max WS	34.56	34.56	0.00	0.00		0.18	939.72	0.41	960.93
Hempstead Lake	9377.17*	Max WS	34.56	34.56	0.00	0.00		0.22	939.62	0.47	958.03
Hempstead Lake	9356.87*	Max WS	34.56	34.56	0.00	0.00		0.26	940.77	0.54	954.89
Hempstead Lake	9336.58*	Max WS	34.56	34.56	0.00	0.00		0.30	941.95	0.62	951.80
Hempstead Lake	9316.28*	Max WS	34.56	34.56	0.00	0.00		0.34	941.82	0.69	948.67
Hempstead Lake	9295.98*	Max WS	34.56	34.56	0.00	0.00		0.39	941.68	0.78	945.59
Hempstead Lake	9275.69*	Max WS	34.56	34.56	0.00	0.00		0.45	941.53	0.87	942.33
Hempstead Lake	9255.39*	Max WS	34.56	34.56	0.00	0.00		0.50	940.74	0.96	939.19
Hempstead Lake	9235.09*	Max WS	34.56	34.56	0.00	0.00		0.55	940.59	1.06	937.81
Hempstead Lake	9214.80*	Max WS	34.56	34.56	0.00	0.00		0.58	941.08	1.17	938.04
Hempstead Lake	9194.50*	Max WS	34.56	34.56	0.00	0.00		0.62	940.29	1.28	938.47
Hempstead Lake	9174.20*	Max WS	34.56	34.56	0.00	0.00		0.69	939.46	1.40	935.30
Hempstead Lake	9153.910	Max WS	34.56	34.56	0.00	0.00		0.78	940.68	1.37	931.67
Hempstead Lake	9133.22*	Max WS	34.56	34.56	0.00	0.00		0.76	965.69	1.35	938.16
Hempstead Lake	9112.54*	Max WS	34.56	34.56	0.00	0.00		0.73	966.42	1.29	944.59
Hempstead Lake	9091.85*	Max WS	34.56	34.56	0.00	0.00		0.70	967.14	1.24	950.99
Hempstead Lake	9071.17*	Max WS	34.56	34.56	0.00	0.00		0.66	967.88	1.18	957.48
Hempstead Lake	9050.49*	Max WS	34.56	34.56	0.00	0.00		0.63	969.95	1.13	964.00
Hempstead Lake	9029.80*	Max WS	34.56	34.56	0.00	0.00		0.60	969.36	1.08	970.48
Hempstead Lake	9009.12*	Max WS	34.56	34.56	0.00	0.00		0.57	966.84	1.03	976.77
Hempstead Lake	8988.44*	Max WS	34.56	34.56	0.00	0.00		0.54	968.86	0.98	983.31
Hempstead Lake	8967.75*	Max WS	34.56	34.56	0.00	0.00		0.52	969.59	0.93	989.71
Hempstead Lake	8947.07*	Max WS	34.56	34.56	0.00	0.00		0.49	969.01	0.88	996.00
Hempstead Lake	8926.39*	Max WS	34.56	34.56	0.00	0.00		0.46	969.73	0.83	1001.92
Hempstead Lake	8905.70*	Max WS	34.56	34.56	0.00	0.00		0.45	970.41	0.81	1008.30
Hempstead Lake	8885.02*	Max WS	34.56	34.56	0.00	0.00		0.42	971.16	0.77	1014.42
Hempstead Lake	8864.33*	Max WS	34.56	34.56	0.00	0.00		0.39	971.23	0.72	1020.78
Hempstead Lake	8843.65*	Max WS	34.56	34.56	0.00	0.00		0.37	971.29	0.68	1026.66
Hempstead Lake	8822.97*	Max WS	34.56	34.56	0.00	0.00		0.34	972.03	0.63	1032.68
Hempstead Lake	8802.28*	Max WS	34.56	34.56	0.00	0.00		0.31	969.46	0.59	1038.99
Hempstead Lake	8781.60*	Max WS	34.56	34.56	0.00	0.00		0.29	969.53	0.55	1045.08
Hempstead Lake	8760.92*	Max WS	34.56	34.56	0.00	0.00		0.26	970.23	0.51	1051.15
Hempstead Lake	8740.23*	Max WS	34.56	34.56	0.00	0.00		0.24	971.61	0.47	1057.05
Hempstead Lake	8719.55*	Max WS	34.56	34.56	0.00	0.00		0.22	971.02	0.43	1063.13
Hempstead Lake	8698.86*	Max WS	34.56	34.56	0.00	0.00		0.20	971.08	0.39	1069.22
Hempstead Lake	8678.18*	Max WS	34.56	34.56	0.00	0.00		0.17	971.13	0.35	1075.52
Hempstead Lake	8657.50*	Max WS	34.56	34.56	0.00	0.00		0.15	971.83	0.32	1081.15
Hempstead Lake	8636.81*	Max WS	34.56	34.56	0.00	0.00		0.14	971.24	0.28	1087.33
Hempstead Lake	8616.13*	Max WS	34.56	34.56	0.00	0.00		0.12	971.28	0.25	1093.74
Hempstead Lake	8595.45*	Max WS	34.56	34.56	0.00	0.00		0.10	972.62	0.22	1100.14
Hempstead Lake	8574.76*	Max WS	34.56	34.56	0.00	0.00		0.08	972.02	0.19	1106.84
Hempstead Lake	8554.08*	Max WS	34.56	34.56	0.00	0.00		0.07	971.40	0.16	1113.01
Hempstead Lake	8533.39*	Max WS	34.56	34.56	0.00	0.00		0.05	972.74	0.13	1120.88
Hempstead Lake	8512.71*	Max WS	34.56	34.56	0.00	0.00		0.04	972.13	0.11	1129.59
Hempstead Lake	8492.03*	Max WS	34.56	34.56	0.00	0.00		0.03	972.15	0.09	1140.57
Hempstead Lake	8471.34*	Max WS	34.56	34.56	0.00	0.00		0.02	973.48	0.07	1158.27
Hempstead Lake	8450.66*	Max WS	34.56	34.56	0.00	0.00		0.01	972.85	0.05	1239.89
Hempstead Lake	8429.980	Max WS	34.56	34.56	0.00	0.00		0.03	972.20	0.03	1360.18
Hempstead Lake	8416.34*	Max WS	34.56	34.56	0.00	0.00		0.03	972.20	0.03	1340.17
Hempstead Lake	8402.71*	Max WS	34.56	34.56	0.00	0.00		0.03	972.20	0.03	1324.62
Hempstead Lake	8389.07*	Max WS	34.56	34.56	0.00	0.00		0.03	971.57	0.03	1302.08

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	8375.44*	Max WS	34.56	34.56	0.00	0.00		0.03	973.48	0.03	1272.75
Hempstead Lake	8361.81*	Max WS	34.56	34.56	0.00	0.00		0.04	973.47	0.03	1259.08
Hempstead Lake	8348.17*	Max WS	34.56	34.56	0.00	0.00		0.04	972.82	0.03	1247.45
Hempstead Lake	8334.54*	Max WS	34.56	34.56	0.00	0.00		0.05	973.45	0.03	1245.38
Hempstead Lake	8320.91*	Max WS	34.56	34.56	0.00	0.00		0.05	972.81	0.03	1237.53
Hempstead Lake	8307.27*	Max WS	34.56	34.56	0.00	0.00		0.06	974.09	0.03	1235.02
Hempstead Lake	8293.64*	Max WS	34.56	34.56	0.00	0.00		0.07	974.08	0.03	1234.27
Hempstead Lake	8280.00*	Max WS	34.56	34.56	0.00	0.00		0.08	973.42	0.03	1234.21
Hempstead Lake	8266.37*	Max WS	34.56	34.56	0.00	0.00		0.09	974.05	0.03	1234.74
Hempstead Lake	8252.74*	Max WS	34.56	34.56	0.00	0.00		0.10	972.13	0.03	1232.81
Hempstead Lake	8239.10*	Max WS	34.56	34.56	0.00	0.00		0.11	971.49	0.03	1233.72
Hempstead Lake	8225.47*	Max WS	34.56	34.56	0.00	0.00		0.12	974.65	0.03	1235.51
Hempstead Lake	8211.84*	Max WS	34.56	34.56	0.00	0.00		0.13	973.36	0.03	1237.65
Hempstead Lake	8198.20*	Max WS	34.56	34.56	0.00	0.00		0.14	973.34	0.03	1237.44
Hempstead Lake	8184.57*	Max WS	34.56	34.56	0.00	0.00		0.14	972.08	0.03	1240.01
Hempstead Lake	8170.93*	Max WS	34.56	34.56	0.00	0.00		0.16	973.95	0.03	1242.47
Hempstead Lake	8157.30*	Max WS	34.56	34.56	0.00	0.00		0.17	973.30	0.03	1243.63
Hempstead Lake	8143.67*	Max WS	34.56	34.56	0.00	0.00		0.18	973.28	0.03	1246.48
Hempstead Lake	8130.03*	Max WS	34.56	34.56	0.00	0.00		0.19	972.66	0.03	1248.72
Hempstead Lake	8116.40*	Max WS	34.56	34.56	0.00	0.00		0.20	973.89	0.03	1250.78
Hempstead Lake	8102.76*	Max WS	34.56	34.56	0.00	0.00		0.21	973.87	0.03	1252.47
Hempstead Lake	8089.13*	Max WS	34.56	34.56	0.00	0.00		0.23	973.85	0.03	1255.37
Hempstead Lake	8075.50*	Max WS	34.56	34.56	0.00	0.00		0.24	971.98	0.03	1258.29
Hempstead Lake	8061.86*	Max WS	34.56	34.56	0.00	0.00		0.25	974.46	0.03	1261.20
Hempstead Lake	8048.23*	Max WS	34.56	34.56	0.00	0.00		0.26	973.81	0.03	1262.94
Hempstead Lake	8034.6*	Max WS	34.56	34.56	0.00	0.00		0.28	971.94	0.03	1266.21
Hempstead Lake	8020.96*	Max WS	34.56	34.56	0.00	0.00		0.29	974.41	0.03	1269.25
Hempstead Lake	8007.33*	Max WS	34.56	34.56	0.00	0.00		0.30	974.40	0.03	1271.09
Hempstead Lake	7993.69*	Max WS	34.56	34.56	0.00	0.00		0.32	973.76	0.03	1273.44
Hempstead Lake	7980.06*	Max WS	34.56	34.56	0.00	0.00		0.33	974.36	0.03	1276.55
Hempstead Lake	7966.43*	Max WS	34.56	34.56	0.00	0.00		0.34	973.73	0.03	1279.67
Hempstead Lake	7952.79*	Max WS	34.56	34.56	0.00	0.00		0.35	973.09	0.03	1281.90
Hempstead Lake	7939.16*	Max WS	34.56	34.56	0.00	0.00		0.37	974.30	0.03	1285.04
Hempstead Lake	7925.53*	Max WS	34.56	34.56	0.00	0.00		0.38	973.67	0.03	1288.16
Hempstead Lake	7911.89*	Max WS	34.56	34.56	0.00	0.00		0.40	973.65	0.03	1290.51
Hempstead Lake	7898.26*	Max WS	34.56	34.56	0.00	0.00		0.41	974.24	0.03	1293.70
Hempstead Lake	7884.62*	Max WS	34.56	34.56	0.00	0.00		0.42	973.62	0.03	1297.18
Hempstead Lake	7870.99*	Max WS	34.56	34.56	0.00	0.00		0.44	973.00	0.03	1299.29
Hempstead Lake	7857.36*	Max WS	34.56	34.56	0.00	0.00		0.47	974.17	0.03	1297.41
Hempstead Lake	7843.72*	Max WS	34.56	34.56	0.00	0.00		0.48	972.95	0.03	1300.87
Hempstead Lake	7830.09*	Max WS	34.56	34.56	0.00	0.00		0.50	972.33	0.03	1310.24
Hempstead Lake	7816.45*	Max WS	34.56	34.56	0.00	0.00		0.51	974.74	0.03	1355.43
Hempstead Lake	7802.82*	Max WS	34.56	34.56	0.00	0.00		0.54	973.48	0.03	1397.87
Hempstead Lake	7789.19*	Max WS	34.56	34.56	0.00	0.00		0.56	972.86	0.03	1419.25
Hempstead Lake	7775.55*	Max WS	34.56	34.56	0.00	0.00		0.58	973.42	0.03	1441.66
Hempstead Lake	7761.92*	Max WS	34.56	34.56	0.00	0.00		0.62	972.81	0.03	1470.19
Hempstead Lake	7748.29*	Max WS	34.56	34.56	0.00	0.00		0.64	972.18	0.03	1504.86
Hempstead Lake	7734.65*	Max WS	34.56	34.56	0.00	0.00		0.67	973.95	0.03	1566.04
Hempstead Lake	7721.02*	Max WS	34.56	34.56	0.00	0.00		0.70	974.51	0.03	1624.87
Hempstead Lake	7707.38*	Max WS	34.56	34.56	0.00	0.00		0.75	973.25	0.03	1677.25
Hempstead Lake	7693.75*	Max WS	34.56	34.56	0.00	0.00		0.80	973.19	0.03	1739.27
Hempstead Lake	7680.12*	Max WS	34.56	34.56	0.00	0.00		0.86	974.35	0.03	1797.96
Hempstead Lake	7666.48*	Max WS	34.56	34.56	0.00	0.00		0.93	973.67	0.03	1853.22
Hempstead Lake	7652.85*	Max WS	34.56	34.56	0.00	0.00		1.00	973.59	0.03	1909.36
Hempstead Lake	7639.22*	Max WS	34.56	34.56	0.00	0.00		1.08	973.50	0.03	1963.70
Hempstead Lake	7625.58*	Max WS	34.56	34.56	0.00	0.00		1.15	974.02	0.03	2134.77
Hempstead Lake	7611.95*	Max WS	34.56	34.56	0.00	0.00		1.20	972.79	0.03	2690.92
Hempstead Lake	7598.31*	Max WS	34.56	34.56	0.00	0.00		1.41	971.99	0.03	2695.82
Hempstead Lake	7584.68*	Max WS	34.56	34.56	0.00	0.00		1.62	972.94	0.03	2704.33
Hempstead Lake	7571.05*	Max WS	34.56	34.56	0.00	0.00		1.86	972.11	0.03	2712.33
Hempstead Lake	7557.41*	Max WS	34.56	34.56	0.00	0.00		2.12	972.42	0.03	2719.00
Hempstead Lake	7543.783	Max WS	34.56	34.56	0.00	0.00		2.43	970.37	0.03	2726.08
Hempstead Lake	7530.03*	Max WS	34.56	34.56	0.00	0.00		2.75	985.75	0.06	2733.55
Hempstead Lake	7516.28*	Max WS	34.56	34.56	0.00	0.00		2.99	986.62	0.07	2740.47
Hempstead Lake	7502.53*	Max WS	34.56	34.56	0.00	0.00		3.26	986.89	0.09	2746.43
Hempstead Lake	7488.79*	Max WS	34.56	34.56	0.00	0.00		3.52	985.47	0.11	2755.65
Hempstead Lake	7475.04*	Max WS	34.56	34.56	0.00	0.00		3.79	984.62	0.13	2762.92
Hempstead Lake	7461.29*	Max WS	34.56	34.56	0.00	0.00		4.10	985.39	0.15	2769.53
Hempstead Lake	7447.54*	Max WS	34.56	34.56	0.00	0.00		4.41	985.06	0.17	2775.65
Hempstead Lake	7433.79*	Max WS	34.56	34.56	0.00	0.00		4.72	984.18	0.19	2784.35
Hempstead Lake	7420.04*	Max WS	34.56	34.56	0.00	0.00		5.04	984.36	0.21	2792.04
Hempstead Lake	7406.3*	Max WS	34.56	34.56	0.00	0.00		5.41	984.50	0.24	2795.38

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	7392.55*	Max WS	34.56	34.56	0.00	0.00		5.76	983.58	0.26	2804.09
Hempstead Lake	7378.80*	Max WS	34.56	34.56	0.00	0.00		6.13	984.28	0.29	2810.80
Hempstead Lake	7365.05*	Max WS	34.56	34.56	0.00	0.00		6.51	982.25	0.32	2817.92
Hempstead Lake	7351.30*	Max WS	34.56	34.56	0.00	0.00		6.90	982.89	0.34	2824.74
Hempstead Lake	7337.55*	Max WS	34.56	34.56	0.00	0.00		7.28	980.90	0.37	2833.75
Hempstead Lake	7323.81*	Max WS	34.56	34.56	0.00	0.00		7.70	981.47	0.40	2839.89
Hempstead Lake	7310.06*	Max WS	34.56	34.56	0.00	0.00		8.12	981.54	0.43	2849.11
Hempstead Lake	7296.31*	Max WS	34.56	34.56	0.00	0.00		8.54	980.04	0.46	2858.42
Hempstead Lake	7282.56*	Max WS	34.56	34.56	0.00	0.00		9.00	981.11	0.50	2864.71
Hempstead Lake	7268.81*	Max WS	34.56	34.56	0.00	0.00		9.42	978.05	0.53	2874.36
Hempstead Lake	7255.06*	Max WS	34.56	34.56	0.00	0.00		9.89	979.10	0.56	2882.29
Hempstead Lake	7241.32*	Max WS	34.56	34.56	0.00	0.00		10.37	978.57	0.59	2890.16
Hempstead Lake	7227.57*	Max WS	34.56	34.56	0.00	0.00		10.84	977.05	0.63	2899.64
Hempstead Lake	7213.82*	Max WS	34.56	34.56	0.00	0.00		11.33	977.06	0.66	2907.40
Hempstead Lake	7200.07*	Max WS	34.56	34.56	0.00	0.00		11.82	977.50	0.70	2916.88
Hempstead Lake	7186.32*	Max WS	34.56	34.56	0.00	0.00		12.32	975.47	0.73	2923.54
Hempstead Lake	7172.57*	Max WS	34.56	34.56	0.00	0.00		12.84	975.42	0.77	2933.06
Hempstead Lake	7158.83*	Max WS	34.56	34.56	0.00	0.00		13.37	975.82	0.81	2943.05
Hempstead Lake	7145.08*	Max WS	34.56	34.56	0.00	0.00		13.90	974.27	0.84	2947.96
Hempstead Lake	7131.33*	Max WS	34.56	34.56	0.00	0.00		14.46	974.64	0.88	2958.36
Hempstead Lake	7117.58*	Max WS	34.56	34.56	0.00	0.00		14.98	972.15	0.92	2967.53
Hempstead Lake	7103.83*	Max WS	34.56	34.56	0.00	0.00		15.55	972.02	0.96	2976.73
Hempstead Lake	7090.08*	Max WS	34.56	34.56	0.00	0.00		15.62	973.36	0.97	2987.68
Hempstead Lake	7076.34*	Max WS	34.56	34.56	0.00	0.00		16.19	973.23	1.00	2997.47
Hempstead Lake	7062.59*	Max WS	34.56	34.56	0.00	0.00		16.58	970.91	1.03	3007.70
Hempstead Lake	7048.84*	Max WS	34.56	34.56	0.00	0.00		17.16	971.70	1.07	3017.12
Hempstead Lake	7035.09*	Max WS	34.56	34.56	0.00	0.00		17.74	971.55	1.11	3029.16
Hempstead Lake	7021.34*	Max WS	34.56	34.56	0.00	0.00		18.31	970.93	1.15	3041.52
Hempstead Lake	7007.6*	Max WS	34.56	34.56	0.00	0.00		18.85	969.40	1.19	3052.72
Hempstead Lake	6993.85*	Max WS	34.56	34.56	0.00	0.00		19.43	969.25	1.23	3068.34
Hempstead Lake	6980.10*	Max WS	34.56	34.56	0.00	0.00		20.01	969.09	1.27	3082.33
Hempstead Lake	6966.35*	Max WS	34.56	34.56	0.00	0.00		20.55	967.58	1.31	3097.97
Hempstead Lake	6952.60*	Max WS	34.56	34.56	0.00	0.00		21.15	967.38	1.35	3115.36
Hempstead Lake	6938.85*	Max WS	34.56	34.56	0.00	0.00		21.74	967.18	1.39	3130.49
Hempstead Lake	6925.11*	Max WS	34.56	34.56	0.00	0.00		22.26	964.41	1.42	3148.45
Hempstead Lake	6911.36*	Max WS	34.56	34.56	0.00	0.00		22.89	965.05	1.47	3166.18
Hempstead Lake	6897.61*	Max WS	34.56	34.56	0.00	0.00		23.49	964.86	1.51	3185.14
Hempstead Lake	6883.86*	Max WS	34.56	34.56	0.00	0.00		24.09	965.09	1.55	3204.89
Hempstead Lake	6870.11*	Max WS	34.56	34.56	0.00	0.00		24.64	962.72	1.59	3227.82
Hempstead Lake	6856.36*	Max WS	34.56	34.56	0.00	0.00		25.24	962.52	1.63	3251.23
Hempstead Lake	6842.62*	Max WS	34.56	34.56	0.00	0.00		25.85	962.28	1.67	3273.43
Hempstead Lake	6828.87*	Max WS	34.56	34.56	0.00	0.00		26.47	962.04	1.71	3320.68
Hempstead Lake	6815.12*	Max WS	34.56	34.56	0.00	0.00		26.05	961.14	1.76	3474.22
Hempstead Lake	6801.37*	Max WS	34.56	34.56	0.00	0.00		26.73	960.82	1.80	3526.08
Hempstead Lake	6787.62*	Max WS	34.56	34.56	0.00	0.00		27.44	960.49	1.84	3573.73
Hempstead Lake	6773.87*	Max WS	34.56	34.56	0.00	0.00		27.77	960.50	1.91	3606.32
Hempstead Lake	6760.13*	Max WS	34.56	34.56	0.00	0.00		28.55	958.43	1.95	3616.91
Hempstead Lake	6746.38*	Max WS	34.56	34.56	0.00	0.00		29.39	957.94	1.99	3627.37
Hempstead Lake	6732.634	Max WS	34.56	34.56	0.00	0.00		0.00	984.12	5.16	1312.50
Hempstead Lake	6718.98*	Max WS	34.56	34.56	0.00	0.00		0.02	987.65	2.02	1310.23
Hempstead Lake	6705.33*	Max WS	34.56	34.56	0.00	0.00		0.02	988.07	1.99	1307.43
Hempstead Lake	6691.68*	Max WS	34.56	34.56	0.00	0.00		0.03	987.69	1.93	1304.17
Hempstead Lake	6678.03*	Max WS	34.56	34.56	0.00	0.00		0.04	988.08	1.87	1301.58
Hempstead Lake	6664.38*	Max WS	34.56	34.56	0.00	0.00		0.06	988.03	1.83	1301.14
Hempstead Lake	6650.72*	Max WS	34.56	34.56	0.00	0.00		0.07	986.79	1.77	1298.67
Hempstead Lake	6637.07*	Max WS	34.56	34.56	0.00	0.00		0.09	987.79	1.71	1295.65
Hempstead Lake	6623.42*	Max WS	34.56	34.56	0.00	0.00		0.10	987.52	1.67	1293.55
Hempstead Lake	6609.77*	Max WS	34.56	34.56	0.00	0.00		0.12	987.53	1.61	1291.24
Hempstead Lake	6596.12*	Max WS	34.56	34.56	0.00	0.00		0.14	987.83	1.55	1289.21
Hempstead Lake	6582.47*	Max WS	34.56	34.56	0.00	0.00		0.16	987.60	1.50	1286.15
Hempstead Lake	6568.82*	Max WS	34.56	34.56	0.00	0.00		0.18	987.59	1.44	1284.17
Hempstead Lake	6555.17*	Max WS	34.56	34.56	0.00	0.00		0.20	987.58	1.37	1282.19
Hempstead Lake	6541.52*	Max WS	34.56	34.56	0.00	0.00		0.23	987.80	1.33	1281.67
Hempstead Lake	6527.87*	Max WS	34.56	34.56	0.00	0.00		0.25	988.11	1.26	1278.96
Hempstead Lake	6514.22*	Max WS	34.56	34.56	0.00	0.00		0.28	988.12	1.20	1276.91
Hempstead Lake	6500.57*	Max WS	34.56	34.56	0.00	0.00		0.32	987.93	1.13	1274.99
Hempstead Lake	6486.91*	Max WS	34.56	34.56	0.00	0.00		0.35	987.89	1.08	1272.98
Hempstead Lake	6473.26*	Max WS	34.56	34.56	0.00	0.00		0.38	987.88	1.01	1270.39
Hempstead Lake	6459.61*	Max WS	34.56	34.56	0.00	0.00		0.41	988.10	0.94	1268.52
Hempstead Lake	6445.96*	Max WS	34.56	34.56	0.00	0.00		0.45	988.08	0.89	1266.57
Hempstead Lake	6432.31*	Max WS	34.56	34.56	0.00	0.00		0.48	987.81	0.82	1266.18
Hempstead Lake	6418.66*	Max WS	34.56	34.56	0.00	0.00		0.52	987.83	0.75	1263.61

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	6405.01*	Max WS	34.56	34.56	0.00	0.00		0.56	988.18	0.70	1261.77
Hempstead Lake	6391.36*	Max WS	34.56	34.56	0.00	0.00		0.60	988.16	0.63	1259.88
Hempstead Lake	6377.71*	Max WS	34.56	34.56	0.00	0.00		0.64	988.00	0.56	1258.05
Hempstead Lake	6364.06*	Max WS	34.56	34.56	0.00	0.00		0.69	987.96	0.51	1255.64
Hempstead Lake	6350.41*	Max WS	34.56	34.56	0.00	0.00		0.73	987.94	0.44	1253.79
Hempstead Lake	6336.76*	Max WS	34.56	34.56	0.00	0.00		0.78	987.86	0.37	1251.99
Hempstead Lake	6323.11*	Max WS	34.56	34.56	0.00	0.00		0.83	988.02	0.32	1251.50
Hempstead Lake	6309.45*	Max WS	34.56	34.56	0.00	0.00		0.88	987.97	0.26	1249.17
Hempstead Lake	6295.80*	Max WS	34.56	34.56	0.00	0.00		0.94	987.92	0.20	1247.38
Hempstead Lake	6282.15*	Max WS	34.56	34.56	0.00	0.00		0.99	987.87	0.15	1245.57
Hempstead Lake	6268.507	Max WS	34.56	34.56	0.00	0.00		1.06	987.83	0.10	1243.59
Hempstead Lake	6259.72*	Max WS	34.56	34.56	0.00	0.00		0.83	988.11	0.06	1268.43
Hempstead Lake	6250.93*	Max WS	34.56	34.56	0.00	0.00		0.66	988.33	0.03	1296.05
Hempstead Lake	6242.14*	Max WS	34.56	34.56	0.00	0.00		0.50	988.48	0.02	1302.59
Hempstead Lake	6233.35*	Max WS	34.56	34.56	0.00	0.00		0.38	988.62	0.01	1308.68
Hempstead Lake	6224.57*	Max WS	34.56	34.56	0.00	0.00		0.28	988.71	0.01	1312.80
Hempstead Lake	6215.78*	Max WS	34.56	34.56	0.00	0.00		0.19	988.81	0.00	1323.83
Hempstead Lake	6206.99*	Max WS	34.56	34.56	0.00	0.00		0.13	988.86	0.00	1334.86
Hempstead Lake	6198.21*	Max WS	34.56	34.56	0.00	0.00		0.09	988.90	0.00	1345.86
Hempstead Lake	6189.42*	Max WS	34.56	34.56	0.00	0.00		0.05	988.93		1337.60
Hempstead Lake	6180.638	Max WS	34.56	34.56	0.00	0.00		0.03	988.95		1318.47
Hempstead Lake	6177.638	Max WS	34.56	34.56	0.00			1.21	987.78		1452.83
Hempstead Lake	6029.638		Inl Struct								
Hempstead Lake	5980.638	Max WS	21.19	21.18	0.01	0.01			539.63		240.23
Hempstead Lake	5930.638	Max WS	21.18	21.17	0.00	0.01			537.07		318.17
Hempstead Lake	5880.638	Max WS	21.17	21.17	0.00	0.00			535.27		307.98
Hempstead Lake	5830.638	Max WS	21.16	21.16	0.00	0.01			524.93		297.85
Hempstead Lake	5780.638	Max WS	21.16	21.15	0.00	0.01			523.18		319.52
Hempstead Lake	5730.638	Max WS	21.15	21.14	0.00	0.01			492.77	17.62	400.09
Hempstead Lake	5680.638	Max WS	21.14	21.13	0.00	0.01			387.53	109.19	453.23
Hempstead Lake	5630.638	Max WS	21.13	21.12	0.00	0.01			293.49	187.53	545.88
Hempstead Lake	5580.638	Max WS	21.12	21.12	0.00	0.01		0.01	307.48	170.52	641.57
Hempstead Lake	5530.638	Max WS	21.11	21.11	0.00	0.01		0.59	325.34	131.94	690.90
Hempstead Lake	5480.638	Max WS	21.10	21.10	0.00	0.04		0.16	318.46	117.69	718.01
Hempstead Lake	5430.638	Max WS	20.75	20.73	0.02	0.05			734.52	254.30	707.33
Hempstead Lake	5380.638	Max WS	20.67	20.65	0.02	0.08		0.01	892.58	96.24	740.24
Hempstead Lake	5330.638	Max WS	20.16	18.61	1.54	0.72			922.73		11.00
Hempstead Lake	5307.48*	Max WS	18.74	18.62	0.11	0.18			934.66		365.41
Hempstead Lake	5284.32*	Max WS	18.49	18.45	0.04	0.04			934.31		394.20
Hempstead Lake	5261.17*	Max WS	18.43	18.42	0.02	0.01			934.24		420.98
Hempstead Lake	5238.01*	Max WS	18.42	18.41	0.01	0.01			933.32		444.44
Hempstead Lake	5214.85*	Max WS	18.41	18.40	0.01	0.00		0.00	933.09		465.88
Hempstead Lake	5191.70*	Max WS	18.41	18.40	0.00	0.00		0.26	932.66		476.86
Hempstead Lake	5168.54*	Max WS	18.40	18.40	0.00	0.00		0.88	931.93		483.21
Hempstead Lake	5145.39*	Max WS	18.40	18.40	0.00	0.00		1.71	931.06		487.68
Hempstead Lake	5122.23*	Max WS	18.40	18.40	0.00	0.00		2.69	927.91		491.02
Hempstead Lake	5099.07*	Max WS	18.40	18.40	0.00	0.00		3.89	926.44		493.46
Hempstead Lake	5075.922	Max WS	18.40	18.40	0.00	0.00		2.15	927.95		495.04
Hempstead Lake	5055.96*	Max WS	18.40	18.40	0.00	0.00		3.48	926.44		658.27
Hempstead Lake	5036.01*	Max WS	18.40	18.40	0.00	0.00		2.00	927.76		686.11
Hempstead Lake	5016.05*	Max WS	18.40	18.40	0.00	0.00		1.01	928.63		692.52
Hempstead Lake	4996.10*	Max WS	18.40	18.40	0.00	0.00		0.40	929.19		736.71
Hempstead Lake	4976.14*	Max WS	18.40	18.40	0.00	0.00		0.10	925.82		756.05
Hempstead Lake	4956.192	Max WS	18.40	18.40	0.00	0.00		0.00	925.56		760.93
Hempstead Lake	4936.44*	Max WS	18.40	18.40	0.00	0.00		0.10	925.14		863.59
Hempstead Lake	4916.69*	Max WS	18.40	18.40	0.00	0.00		0.37	924.53	0.04	905.68
Hempstead Lake	4896.94*	Max WS	18.40	18.40	0.00	0.00		0.84	923.56	0.28	938.95
Hempstead Lake	4877.19*	Max WS	18.40	18.40	0.00	0.00		1.46	922.22	0.81	947.86
Hempstead Lake	4857.44*	Max WS	18.40	18.40	0.00	0.00		2.31	920.45	1.60	950.32
Hempstead Lake	4837.697	Max WS	18.40	18.40	0.00	0.00		1.30	920.63	2.36	951.71
Hempstead Lake	4817.64*	Max WS	18.40	18.40	0.00	0.00		4.69	1020.96	2.26	950.42
Hempstead Lake	4797.59*	Max WS	18.40	18.40	0.00	0.00		6.15	1019.58	1.72	947.46
Hempstead Lake	4777.53*	Max WS	18.40	18.40	0.00	0.00		7.78	1017.95	1.33	939.31
Hempstead Lake	4757.48*	Max WS	18.40	18.40	0.00	0.00		9.65	1016.07	1.02	933.15
Hempstead Lake	4737.42*	Max WS	18.40	18.40	0.00	0.00		11.65	1014.08	0.78	928.95
Hempstead Lake	4717.37*	Max WS	18.40	18.40	0.00	0.00		13.81	1011.93	0.61	926.57
Hempstead Lake	4697.32*	Max WS	18.40	18.40	0.00	0.00		16.11	1009.70	0.47	923.87
Hempstead Lake	4677.26*	Max WS	18.40	18.40	0.00	0.00		18.73	1000.39	0.35	921.01
Hempstead Lake	4657.21*	Max WS	18.40	18.40	0.00	0.00		21.40	997.38	0.26	918.16
Hempstead Lake	4637.16*	Max WS	18.40	18.40	0.00	0.00		24.06	994.43	0.19	915.22
Hempstead Lake	4617.10*	Max WS	18.40	18.40	0.00	0.00		26.80	991.48	0.13	912.16
Hempstead Lake	4597.05*	Max WS	18.40	18.40	0.00	0.00		29.59	988.52	0.09	909.07

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	4577.*	Max WS	18.40	18.40	0.00	0.00		32.84	985.19	0.06	906.12
Hempstead Lake	4556.94*	Max WS	18.40	18.40	0.00	0.00		35.62	975.34	0.03	903.06
Hempstead Lake	4536.893	Max WS	18.40	18.40	0.00	0.00		22.41	988.11	0.01	900.01
Hempstead Lake	4516.70*	Max WS	18.40	18.40	0.00	0.00		42.37	971.76	0.08	900.84
Hempstead Lake	4496.51*	Max WS	18.40	18.40	0.00	0.00		42.63	971.06	0.19	901.17
Hempstead Lake	4476.32*	Max WS	18.40	18.40	0.00	0.00		41.89	971.37	0.36	901.23
Hempstead Lake	4456.14*	Max WS	18.40	18.40	0.00	0.00		42.10	970.75	0.59	900.77
Hempstead Lake	4435.95*	Max WS	18.40	18.40	0.00	0.00		42.35	970.11	0.89	900.17
Hempstead Lake	4415.76*	Max WS	18.40	18.40	0.00	0.00		41.20	963.18	1.24	899.11
Hempstead Lake	4395.57*	Max WS	18.40	18.40	0.00	0.00		41.43	962.05	1.66	897.90
Hempstead Lake	4375.38*	Max WS	18.40	18.40	0.00	0.00		40.55	962.03	2.14	896.45
Hempstead Lake	4355.20*	Max WS	18.40	18.40	0.00	0.00		40.77	960.94	2.68	894.50
Hempstead Lake	4335.01*	Max WS	18.40	18.40	0.00	0.00		41.13	959.73	3.26	892.82
Hempstead Lake	4314.82*	Max WS	18.40	18.40	0.00	0.00		40.53	959.52	3.89	891.28
Hempstead Lake	4294.63*	Max WS	18.40	18.40	0.00	0.00		41.10	958.16	4.58	889.75
Hempstead Lake	4274.44*	Max WS	18.40	18.40	0.00	0.00		40.16	950.04	5.27	888.08
Hempstead Lake	4254.26*	Max WS	18.40	18.40	0.00	0.00		40.67	948.25	6.02	886.36
Hempstead Lake	4234.07*	Max WS	18.40	18.40	0.00	0.00		41.25	946.44	6.80	884.57
Hempstead Lake	4213.88*	Max WS	18.40	18.40	0.00	0.00		40.58	945.92	7.61	882.81
Hempstead Lake	4193.69*	Max WS	18.40	18.40	0.00	0.00		41.17	944.19	8.45	880.90
Hempstead Lake	4173.50*	Max WS	18.40	18.40	0.00	0.00		40.48	943.78	9.31	878.97
Hempstead Lake	4153.320	Max WS	18.40	18.40	0.00	0.00		16.85	966.13	10.43	876.99
Hempstead Lake	4131.85*	Max WS	18.40	18.40	0.00	0.00		36.41	950.39	10.84	875.91
Hempstead Lake	4110.38*	Max WS	18.40	18.40	0.00	0.00		33.61	943.14	11.35	874.98
Hempstead Lake	4088.91*	Max WS	18.40	18.40	0.00	0.00		32.00	943.59	11.96	873.92
Hempstead Lake	4067.44*	Max WS	18.40	18.40	0.00	0.00		29.27	945.21	12.60	872.97
Hempstead Lake	4045.97*	Max WS	18.40	18.40	0.00	0.00		26.49	946.95	13.25	871.97
Hempstead Lake	4024.50*	Max WS	18.40	18.40	0.00	0.00		24.46	948.02	13.91	871.10
Hempstead Lake	4003.034	Max WS	18.40	18.40	0.00	0.00		8.73	962.68	14.77	870.30
Hempstead Lake	3984.01*	Max WS	18.40	18.40	0.00	0.00		17.34	955.93	12.82	853.98
Hempstead Lake	3964.99*	Max WS	18.40	18.40	0.00	0.00		16.54	948.58	10.88	837.53
Hempstead Lake	3945.97*	Max WS	18.40	18.40	0.00	0.00		15.35	950.64	9.53	825.19
Hempstead Lake	3926.95*	Max WS	18.40	18.40	0.00	0.00		14.40	952.56	8.17	813.05
Hempstead Lake	3907.93*	Max WS	18.40	18.40	0.00	0.00		13.38	954.47	6.99	800.45
Hempstead Lake	3888.916	Max WS	18.40	18.40	0.00	0.00		5.08	964.14	5.47	784.95
Hempstead Lake	3883.916	Max WS	18.40	18.40	0.00			3.93	970.05	5.28	775.13
Hempstead Lake	3873.916		Inl Struct								
Hempstead Lake	3863.916	Max WS	18.39	18.39	0.00	0.00		0.12	968.72	1.76	761.37
Hempstead Lake	3858.916	Max WS	18.39	18.39	0.00	0.00		0.17	968.66	1.67	760.72
Hempstead Lake	3826.579	Max WS	18.39	18.39	0.00	0.00		0.55	969.43	0.11	746.54
Hempstead Lake	3821.579	Max WS	18.39	18.39	0.00			0.64	969.43	0.00	721.69
Hempstead Lake	3781.402		Culvert								
Hempstead Lake	3741.579	Max WS	18.38	18.37	0.00	0.00		10.40	959.68		728.98
Hempstead Lake	3736.579	Max WS	18.38	18.37	0.00	0.00		6.36	963.70		726.82
Hempstead Lake	3699.46*	Max WS	18.38	18.37	0.00	0.00		7.13	955.56	0.01	736.98
Hempstead Lake	3662.35*	Max WS	18.38	18.37	0.00	0.00		7.65	952.65	1.93	801.59
Hempstead Lake	3625.24*	Max WS	18.38	18.37	0.00	0.00		7.97	940.17	6.94	876.47
Hempstead Lake	3588.13*	Max WS	18.37	18.37	0.00	0.00		8.53	927.92	17.94	909.20
Hempstead Lake	3551.028	Max WS	18.37	18.37	0.00	0.00		7.87	909.69	29.78	941.02
Hempstead Lake	3531.67*	Max WS	18.37	18.37	0.00	0.00		9.45	909.16	28.16	925.07
Hempstead Lake	3512.33*	Max WS	18.37	18.37	0.00	0.00		9.01	917.80	19.53	912.08
Hempstead Lake	3492.98*	Max WS	18.37	18.37	0.00	0.00		8.51	925.62	11.94	898.82
Hempstead Lake	3473.63*	Max WS	18.37	18.37	0.00	0.00		7.96	925.74	5.95	880.91
Hempstead Lake	3454.28*	Max WS	18.37	18.37	0.00	0.00		7.47	929.36	2.25	827.36
Hempstead Lake	3434.93*	Max WS	18.37	18.37	0.00	0.00		6.87	931.04	0.76	710.66
Hempstead Lake	3415.58*	Max WS	18.37	18.37	0.00	0.00		6.39	931.29	0.75	661.82
Hempstead Lake	3396.239	Max WS	18.37	18.37	0.00	0.00		7.06	930.37	0.91	648.39
Hempstead Lake	3376.88*	Max WS	18.37	18.37	0.00	0.00		6.51	924.85	0.97	652.65
Hempstead Lake	3357.52*	Max WS	18.37	18.37	0.00	0.00		7.12	923.64	1.20	657.42
Hempstead Lake	3338.16*	Max WS	18.37	18.37	0.00	0.00		7.81	922.42	1.46	663.71
Hempstead Lake	3318.80*	Max WS	18.37	18.37	0.00	0.00		8.69	921.14	1.71	669.88
Hempstead Lake	3299.44*	Max WS	18.37	18.37	0.00	0.00		9.57	914.65	2.02	675.86
Hempstead Lake	3280.08*	Max WS	18.37	18.37	0.00	0.00		10.63	912.78	2.39	680.02
Hempstead Lake	3260.73*	Max WS	18.37	18.37	0.00	0.00		11.83	910.80	2.83	682.98
Hempstead Lake	3241.37*	Max WS	18.37	18.37	0.00	0.00		12.93	909.03	3.24	685.96
Hempstead Lake	3222.01*	Max WS	18.37	18.37	0.00	0.00		14.37	906.89	3.77	687.84
Hempstead Lake	3202.65*	Max WS	18.37	18.37	0.00	0.00		15.83	899.72	4.32	689.89
Hempstead Lake	3183.29*	Max WS	18.37	18.37	0.00	0.00		17.55	896.83	4.96	691.03
Hempstead Lake	3163.93*	Max WS	18.37	18.37	0.00	0.00		19.34	893.95	5.62	692.38
Hempstead Lake	3144.581	Max WS	18.37	18.37	0.00	0.00		19.16	893.70	5.73	692.98
Hempstead Lake	3124.73*	Max WS	18.37	18.37	0.00	0.00		18.93	893.93	5.53	695.02
Hempstead Lake	3104.89*	Max WS	18.37	18.37	0.00	0.00		19.11	888.49	5.47	697.05

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	3085.04*	Max WS	18.37	18.37	0.00	0.00		19.34	887.73	5.44	699.13
Hempstead Lake	3065.2*	Max WS	18.37	18.37	0.00	0.00		19.55	887.10	5.40	703.36
Hempstead Lake	3045.35*	Max WS	18.37	18.37	0.00	0.00		19.41	887.03	5.24	706.91
Hempstead Lake	3025.51*	Max WS	18.37	18.37	0.00	0.00		19.84	886.43	5.18	708.88
Hempstead Lake	3005.66*	Max WS	18.37	18.37	0.00	0.00		20.26	885.92	5.17	710.44
Hempstead Lake	2985.81*	Max WS	18.37	18.37	0.00	0.00		20.18	880.43	4.97	711.66
Hempstead Lake	2965.974	Max WS	18.37	18.37	0.00	0.00		21.89	878.01	5.23	712.55
Hempstead Lake	2951.87*	Max WS	18.37	18.37	0.00	0.00		24.10	875.18	5.57	713.77
Hempstead Lake	2937.77*	Max WS	18.37	18.37	0.00	0.00		24.22	874.97	5.44	715.44
Hempstead Lake	2923.67*	Max WS	18.37	18.37	0.00	0.00		24.47	874.66	5.33	716.85
Hempstead Lake	2909.57*	Max WS	18.37	18.37	0.00	0.00		24.57	874.58	5.20	718.32
Hempstead Lake	2895.47*	Max WS	18.37	18.37	0.00	0.00		24.36	869.43	5.05	722.35
Hempstead Lake	2881.37*	Max WS	18.37	18.37	0.00	0.00		24.07	869.46	4.93	728.78
Hempstead Lake	2867.27*	Max WS	18.37	18.37	0.00	0.00		23.79	869.53	4.80	735.92
Hempstead Lake	2853.17*	Max WS	18.37	18.37	0.00	0.00		23.56	869.59	4.67	742.56
Hempstead Lake	2839.07*	Max WS	18.37	18.37	0.00	0.00		23.29	869.76	4.55	750.69
Hempstead Lake	2824.98*	Max WS	18.37	18.37	0.00	0.00		22.98	870.01	4.42	759.25
Hempstead Lake	2810.88*	Max WS	18.37	18.37	0.00	0.00		22.92	870.09	4.29	764.96
Hempstead Lake	2796.78*	Max WS	18.37	18.37	0.00	0.00		22.86	870.20	4.18	771.10
Hempstead Lake	2782.68*	Max WS	18.37	18.37	0.00	0.00		22.67	864.81	4.02	775.25
Hempstead Lake	2768.58*	Max WS	18.37	18.37	0.00	0.00		22.70	864.55	3.89	779.92
Hempstead Lake	2754.48*	Max WS	18.37	18.37	0.00	0.00		22.66	864.42	3.75	784.88
Hempstead Lake	2740.38*	Max WS	18.37	18.36	0.00	0.00		22.70	864.25	3.63	789.31
Hempstead Lake	2726.28*	Max WS	18.37	18.36	0.00	0.00		22.70	864.21	3.51	795.02
Hempstead Lake	2712.18*	Max WS	18.37	18.36	0.00	0.00		22.73	864.16	3.38	799.79
Hempstead Lake	2698.08*	Max WS	18.37	18.36	0.00	0.00		22.68	864.27	3.26	805.62
Hempstead Lake	2683.98*	Max WS	18.37	18.36	0.00	0.00		22.55	858.81	3.12	811.14
Hempstead Lake	2669.88*	Max WS	18.37	18.36	0.00	0.00		22.34	858.80	3.00	821.22
Hempstead Lake	2655.78*	Max WS	18.37	18.36	0.00	0.00		22.27	858.75	2.85	832.33
Hempstead Lake	2641.68*	Max WS	18.36	18.36	0.00	0.00		21.88	859.07	2.70	849.21
Hempstead Lake	2627.58*	Max WS	18.36	18.36	0.00	0.00		21.50	859.44	2.58	867.22
Hempstead Lake	2613.48*	Max WS	18.36	18.36	0.00	0.00		21.45	859.54	2.47	880.63
Hempstead Lake	2599.38*	Max WS	18.36	18.36	0.00	0.00		21.50	853.67	2.35	887.94
Hempstead Lake	2585.29*	Max WS	18.36	18.36	0.00	0.00		21.85	853.00	2.27	893.97
Hempstead Lake	2571.19*	Max WS	18.36	18.36	0.00	0.00		22.30	852.33	2.18	894.71
Hempstead Lake	2557.091	Max WS	18.36	18.36	0.00	0.00		35.72	837.65	3.27	894.50
Hempstead Lake	2552.091	Max WS	18.36	18.36	0.00			35.46	835.76	5.41	896.52
Hempstead Lake	2522.091		Culvert								
Hempstead Lake	2492.091	Max WS	18.35	18.35	0.00	0.00		49.22	821.06	1.63	892.96
Hempstead Lake	2487.091	Max WS	18.35	18.35	0.00	0.00		37.17	833.80	0.84	891.10
Hempstead Lake	2477.12*	Max WS	18.35	18.35	0.00	0.00		26.71	843.71	1.16	896.82
Hempstead Lake	2467.14*	Max WS	18.35	18.35	0.00	0.00		29.70	839.52	2.14	904.50
Hempstead Lake	2457.17*	Max WS	18.35	18.35	0.00	0.00		32.84	834.79	3.53	916.38
Hempstead Lake	2447.20*	Max WS	18.35	18.35	0.00	0.00		36.10	829.19	5.69	922.68
Hempstead Lake	2437.23*	Max WS	18.35	18.35	0.00	0.00		51.20	808.58	11.05	926.82
Hempstead Lake	2427.26*	Max WS	18.35	18.35	0.00	0.00		55.01	800.16	15.51	930.01
Hempstead Lake	2417.29*	Max WS	18.35	18.35	0.00	0.00		58.72	791.09	20.76	934.35
Hempstead Lake	2407.32*	Max WS	18.35	18.35	0.00	0.00		50.61	798.19	21.67	936.99
Hempstead Lake	2397.35*	Max WS	18.35	18.35	0.00	0.00		54.62	788.08	27.72	939.39
Hempstead Lake	2387.37*	Max WS	18.35	18.35	0.00	0.00		58.50	777.23	34.65	942.23
Hempstead Lake	2377.40*	Max WS	18.35	18.35	0.00	0.00		62.18	761.25	42.23	944.95
Hempstead Lake	2367.43*	Max WS	18.35	18.35	0.00	0.00		66.51	747.78	51.02	946.61
Hempstead Lake	2357.46*	Max WS	18.35	18.35	0.00	0.00		70.54	733.82	60.61	948.66
Hempstead Lake	2347.49*	Max WS	18.35	18.35	0.00	0.00		74.55	719.03	71.05	950.94
Hempstead Lake	2337.52*	Max WS	18.35	18.35	0.00	0.00		78.58	703.20	82.52	953.02
Hempstead Lake	2327.55*	Max WS	18.35	18.35	0.00	0.00		82.51	686.70	94.78	969.64
Hempstead Lake	2317.58*	Max WS	18.35	18.35	0.00	0.00		86.46	669.30	107.94	985.85
Hempstead Lake	2307.60*	Max WS	18.35	18.35	0.00	0.00		90.46	650.91	122.06	1000.80
Hempstead Lake	2297.63*	Max WS	18.35	18.35	0.00	0.00		94.64	634.53	134.04	1027.18
Hempstead Lake	2287.66*	Max WS	18.35	18.35	0.00	0.00		99.02	619.03	144.98	1061.69
Hempstead Lake	2277.69*	Max WS	18.35	18.35	0.00	0.00		102.95	601.06	158.92	1086.43
Hempstead Lake	2267.72*	Max WS	18.35	18.35	0.00	0.00		106.63	581.28	174.97	1104.18
Hempstead Lake	2257.752	Max WS	18.35	18.35	0.00	0.00		137.93	479.37	239.68	1120.94
Hempstead Lake	2252.75*	Max WS	18.35	18.35	0.00	0.00		146.51	500.10	209.89	1108.44
Hempstead Lake	2247.752	Max WS	18.35	18.35	0.00			173.44	426.28	256.29	1092.33
Hempstead Lake	2222.752		Culvert								
Hempstead Lake	2197.752	Max WS	18.35	18.35	0.00	0.00		117.27	476.57	269.26	894.72
Hempstead Lake	2192.75*	Max WS	18.35	18.35	0.00	0.00		156.24	488.52	218.19	891.39
Hempstead Lake	2187.752	Max WS	18.35	18.35	0.00	0.00		195.32	484.26	183.26	888.12
Hempstead Lake	2178.63*	Max WS	18.35	18.35	0.00	0.00		190.26	492.51	180.01	885.04
Hempstead Lake	2169.52*	Max WS	18.35	18.35	0.00	0.00		183.54	496.55	175.23	882.21
Hempstead Lake	2160.40*	Max WS	18.35	18.35	0.00	0.00		178.39	504.91	171.81	879.36

HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

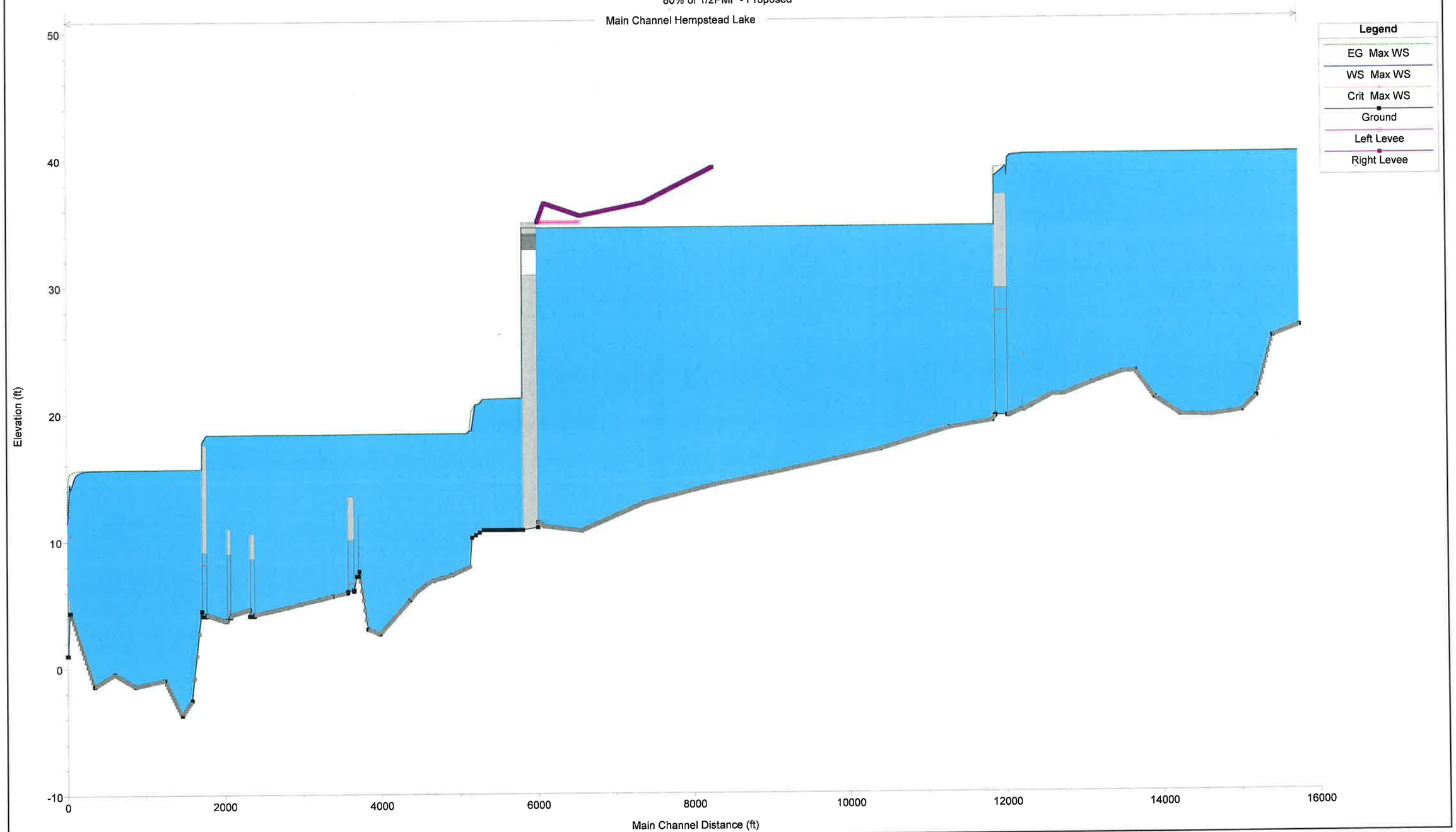
Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	2151.29*	Max WS	18.35	18.35	0.00	0.00		173.25	513.40	168.24	876.41
Hempstead Lake	2142.17*	Max WS	18.35	18.35	0.00	0.00		167.89	522.31	164.41	873.60
Hempstead Lake	2133.05*	Max WS	18.35	18.35	0.00	0.00		162.44	531.23	160.67	870.59
Hempstead Lake	2123.94*	Max WS	18.35	18.35	0.00	0.00		156.97	540.33	156.72	867.73
Hempstead Lake	2114.82*	Max WS	18.35	18.35	0.00	0.00		151.29	549.65	152.73	864.94
Hempstead Lake	2105.71*	Max WS	18.35	18.35	0.00	0.00		145.62	559.20	148.47	862.33
Hempstead Lake	2096.59*	Max WS	18.35	18.35	0.00	0.00		139.89	568.83	144.15	859.78
Hempstead Lake	2087.48*	Max WS	18.35	18.35	0.00	0.00		134.01	578.88	139.53	857.24
Hempstead Lake	2078.36*	Max WS	18.35	18.35	0.00	0.00		131.87	605.60	138.66	854.33
Hempstead Lake	2069.25*	Max WS	18.35	18.35	0.00	0.00		125.41	615.39	133.43	852.59
Hempstead Lake	2060.13*	Max WS	18.35	18.35	0.00	0.00		119.27	627.15	125.77	866.34
Hempstead Lake	2051.01*	Max WS	18.35	18.35	0.00	0.00		112.87	638.19	118.85	878.07
Hempstead Lake	2041.90*	Max WS	18.35	18.35	0.00	0.00		106.30	648.51	112.57	887.88
Hempstead Lake	2032.78*	Max WS	18.35	18.35	0.00	0.00		99.63	658.72	106.24	915.84
Hempstead Lake	2023.67*	Max WS	18.35	18.35	0.00	0.00		92.99	670.02	98.62	933.36
Hempstead Lake	2014.55*	Max WS	18.35	18.35	0.00	0.00		85.91	678.21	94.86	934.63
Hempstead Lake	2005.44*	Max WS	18.35	18.35	0.01	0.00		78.65	686.48	91.44	935.69
Hempstead Lake	1996.32*	Max WS	18.36	18.35	0.01	0.00		71.53	694.20	88.07	936.08
Hempstead Lake	1987.20*	Max WS	18.36	18.35	0.01	0.00		64.51	701.48	84.73	935.46
Hempstead Lake	1978.09*	Max WS	18.36	18.35	0.01	0.00		57.82	708.14	81.37	932.87
Hempstead Lake	1968.97*	Max WS	18.36	18.35	0.01	0.00		51.09	714.15	78.35	930.04
Hempstead Lake	1959.86*	Max WS	18.36	18.36	0.01	0.00		44.25	720.06	75.20	928.57
Hempstead Lake	1950.747	Max WS	18.37	18.36	0.01	0.00		37.67	725.25	72.18	925.50
Hempstead Lake	1945.747	Max WS	18.32	18.32	0.01			50.14	486.07	296.79	977.45
Hempstead Lake	1915.747		Culvert								
Hempstead Lake	1885.747	Max WS	15.66	15.66	0.00	0.00			205.20	334.46	822.85
Hempstead Lake	1880.747	Max WS	15.67	15.67	0.00	0.00		0.00	471.83	85.21	866.59
Hempstead Lake	1848.83*	Max WS	15.67	15.67	0.00	0.00		0.89	535.03	21.04	972.17
Hempstead Lake	1816.92*	Max WS	15.67	15.67	0.00	0.00		3.27	546.90	9.81	961.96
Hempstead Lake	1785.01*	Max WS	15.67	15.67	0.00	0.00		6.18	548.03	5.77	1061.30
Hempstead Lake	1753.104	Max WS	15.67	15.67	0.00	0.00		3.73	554.73	1.50	1190.71
Hempstead Lake	1732.65*	Max WS	15.67	15.67	0.00	0.00		10.19	542.56	7.20	1222.38
Hempstead Lake	1712.21*	Max WS	15.67	15.67	0.00	0.00		10.80	538.37	10.79	1260.05
Hempstead Lake	1691.76*	Max WS	15.67	15.67	0.00	0.00		11.33	529.92	15.32	1298.11
Hempstead Lake	1671.32*	Max WS	15.67	15.67	0.00	0.00		11.94	523.59	20.99	1336.16
Hempstead Lake	1650.87*	Max WS	15.67	15.67	0.00	0.00		12.55	516.15	27.76	1371.11
Hempstead Lake	1630.434	Max WS	15.67	15.67	0.00	0.00		6.27	522.19	27.96	1403.87
Hempstead Lake	1610.36*	Max WS	15.67	15.67	0.00	0.00		12.91	510.51	32.95	1388.90
Hempstead Lake	1590.30*	Max WS	15.67	15.67	0.00	0.00		10.77	515.08	30.47	1371.94
Hempstead Lake	1570.23*	Max WS	15.67	15.67	0.00	0.00		8.77	519.46	28.04	1353.09
Hempstead Lake	1550.17*	Max WS	15.67	15.67	0.00	0.00		6.71	523.89	25.63	1334.00
Hempstead Lake	1530.10*	Max WS	15.67	15.67	0.00	0.00		5.08	527.89	23.23	1313.65
Hempstead Lake	1510.03*	Max WS	15.67	15.67	0.00	0.00		3.57	532.07	20.52	1291.12
Hempstead Lake	1489.97*	Max WS	15.67	15.67	0.00	0.00		2.36	535.48	18.27	1265.35
Hempstead Lake	1469.90*	Max WS	15.67	15.67	0.00	0.00		1.40	538.60	16.10	1233.12
Hempstead Lake	1449.83*	Max WS	15.67	15.67	0.00	0.00		0.78	541.26	14.02	1187.34
Hempstead Lake	1429.77*	Max WS	15.67	15.67	0.00	0.00		0.38	543.60	12.05	1160.26
Hempstead Lake	1409.707	Max WS	15.67	15.67	0.00	0.00		0.07	541.40	14.54	1135.75
Hempstead Lake	1389.03*	Max WS	15.66	15.65	0.01	0.00		1.48	8814.96	160.21	1128.35
Hempstead Lake	1368.35*	Max WS	15.66	15.65	0.01	0.00		1.98	8813.36	163.14	1121.70
Hempstead Lake	1347.67*	Max WS	15.66	15.65	0.01	0.00		2.57	8809.72	166.15	1114.67
Hempstead Lake	1326.99*	Max WS	15.66	15.65	0.01	0.00		3.27	8805.76	169.38	1107.38
Hempstead Lake	1306.32*	Max WS	15.66	15.65	0.01	0.00		3.59	8795.83	178.96	1111.76
Hempstead Lake	1285.64*	Max WS	15.66	15.65	0.01	0.00		4.40	8790.58	183.38	1117.59
Hempstead Lake	1264.96*	Max WS	15.66	15.65	0.01	0.00		5.82	8786.03	188.35	1116.77
Hempstead Lake	1244.28*	Max WS	15.66	15.65	0.01	0.00		7.65	8778.79	193.73	1113.01
Hempstead Lake	1223.61*	Max WS	15.66	15.65	0.01	0.00		9.84	8770.82	199.49	1107.91
Hempstead Lake	1202.93*	Max WS	15.66	15.65	0.01	0.00		12.34	8763.16	204.65	1105.10
Hempstead Lake	1182.25*	Max WS	15.66	15.65	0.01	0.00		15.03	8757.23	209.89	1101.55
Hempstead Lake	1161.57*	Max WS	15.66	15.65	0.01	0.00		18.01	8751.08	215.33	1097.48
Hempstead Lake	1140.90*	Max WS	15.66	15.65	0.01	0.00		21.22	8742.58	220.60	1092.82
Hempstead Lake	1120.22*	Max WS	15.66	15.64	0.01	0.00		25.40	8725.60	233.39	1088.04
Hempstead Lake	1099.54*	Max WS	15.66	15.64	0.01	0.00		29.00	8716.29	239.08	1082.99
Hempstead Lake	1078.87*	Max WS	15.66	15.64	0.01	0.00		32.78	8706.43	245.14	1077.66
Hempstead Lake	1058.19*	Max WS	15.66	15.64	0.01	0.00		36.74	8696.64	250.98	1072.30
Hempstead Lake	1037.515	Max WS	15.66	15.64	0.01	0.00		37.54	8466.12	482.90	1066.34
Hempstead Lake	1017.08*	Max WS	15.66	15.64	0.01	0.00		115.76	8665.25	278.48	1058.28
Hempstead Lake	996.645*	Max WS	15.66	15.64	0.01	0.00		144.46	8599.47	317.77	1050.11
Hempstead Lake	976.210*	Max WS	15.65	15.64	0.01	0.00		177.72	8534.45	349.46	1042.06
Hempstead Lake	955.775*	Max WS	15.65	15.64	0.01	0.00		215.15	8456.26	390.17	1033.97
Hempstead Lake	935.340*	Max WS	15.65	15.64	0.01	0.00		251.93	8385.59	424.00	1025.78
Hempstead Lake	914.905*	Max WS	15.65	15.64	0.01	0.00		297.85	8296.73	466.88	1017.67

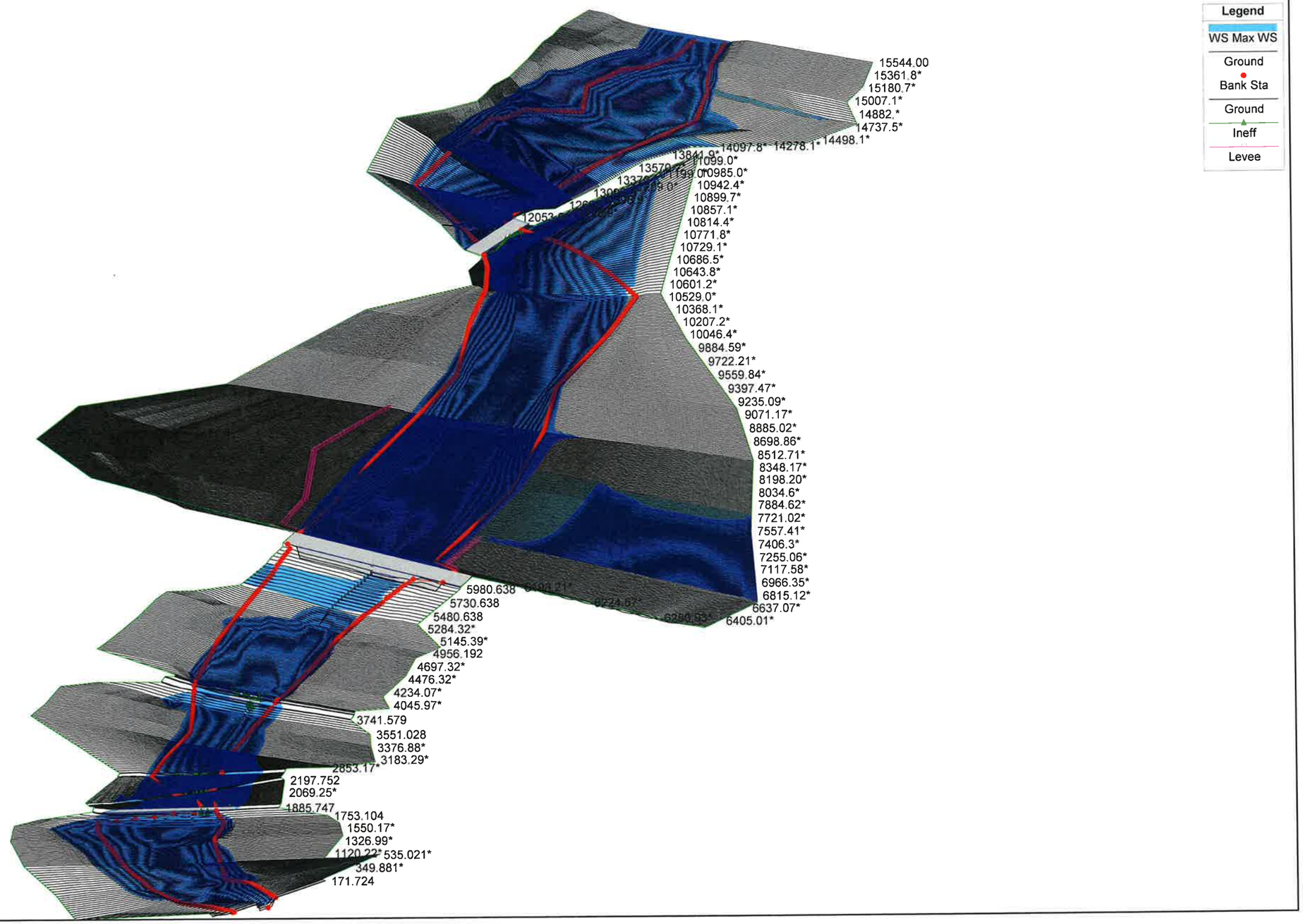
HEC-RAS Plan: Plan 34 River: Main Channel Reach: Hempstead Lake Profile: Max WS (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Hempstead Lake	894.471*	Max WS	15.65	15.64	0.01	0.00		352.55	8207.57	501.27	1009.65
Hempstead Lake	874.036*	Max WS	15.65	15.64	0.01	0.00		409.37	8106.90	545.06	1001.31
Hempstead Lake	853.601*	Max WS	15.65	15.64	0.01	0.00		464.71	8015.12	581.44	993.13
Hempstead Lake	833.166*	Max WS	15.65	15.64	0.01	0.00		532.46	7902.11	626.64	985.12
Hempstead Lake	812.731*	Max WS	15.65	15.64	0.01	0.00		614.38	7784.69	662.08	976.73
Hempstead Lake	792.296*	Max WS	15.65	15.64	0.01	0.00		694.62	7658.56	707.90	968.61
Hempstead Lake	771.862	Max WS	15.65	15.64	0.01	0.00		328.35	8025.39	707.28	960.40
Hempstead Lake	750.331*	Max WS	15.65	15.64	0.01	0.00		657.73	7772.04	661.35	962.20
Hempstead Lake	728.8*	Max WS	15.65	15.63	0.01	0.00		537.43	7966.91	586.72	962.90
Hempstead Lake	707.269*	Max WS	15.65	15.63	0.01	0.00		432.39	8154.55	504.04	962.11
Hempstead Lake	685.738*	Max WS	15.64	15.63	0.02	0.00		333.64	8332.13	423.93	959.09
Hempstead Lake	664.207*	Max WS	15.64	15.63	0.02	0.00		244.82	8497.82	348.19	953.36
Hempstead Lake	642.676*	Max WS	15.64	15.62	0.02	0.00		165.11	8641.85	283.78	943.31
Hempstead Lake	621.145*	Max WS	15.64	15.62	0.02	0.00		101.33	8767.33	221.04	926.31
Hempstead Lake	599.614*	Max WS	15.64	15.62	0.02	0.00		52.33	8870.10	167.27	897.06
Hempstead Lake	578.083*	Max WS	15.64	15.62	0.02	0.00		18.70	8947.41	123.58	846.85
Hempstead Lake	556.552*	Max WS	15.64	15.62	0.02	0.00		3.28	8992.06	95.08	734.39
Hempstead Lake	535.021*	Max WS	15.64	15.62	0.02	0.00		0.51	9013.76	75.41	672.31
Hempstead Lake	513.490	Max WS	15.64	15.62	0.02	0.00			8957.29	133.01	657.16
Hempstead Lake	493.038*	Max WS	15.64	15.61	0.03	0.00			9052.03	70.09	639.47
Hempstead Lake	472.587*	Max WS	15.64	15.61	0.03	0.00			9057.24	64.88	621.84
Hempstead Lake	452.136*	Max WS	15.64	15.60	0.04	0.00			9063.25	58.87	604.18
Hempstead Lake	431.685*	Max WS	15.63	15.59	0.04	0.00			9070.05	52.05	586.72
Hempstead Lake	411.234*	Max WS	15.63	15.58	0.05	0.00			9078.20	43.90	569.32
Hempstead Lake	390.783*	Max WS	15.63	15.56	0.07	0.00			9086.32	35.77	551.87
Hempstead Lake	370.332*	Max WS	15.62	15.54	0.08	0.01			9094.83	27.25	534.46
Hempstead Lake	349.881*	Max WS	15.62	15.51	0.10	0.01			9103.40	18.67	516.87
Hempstead Lake	329.430*	Max WS	15.61	15.47	0.14	0.01			9111.43	10.62	499.17
Hempstead Lake	308.979*	Max WS	15.59	15.41	0.19	0.02			9118.22	3.81	480.97
Hempstead Lake	288.528*	Max WS	15.57	15.31	0.27	0.03			9121.57	0.45	457.36
Hempstead Lake	268.077*	Max WS	15.55	15.13	0.42	0.04			9122.00		428.33
Hempstead Lake	247.626*	Max WS	15.56	14.74	0.82	0.06			9121.98		322.74
Hempstead Lake	227.175*	Max WS	15.46	14.37	1.09	0.06			9121.97		148.20
Hempstead Lake	206.724	Max WS	15.40	14.09	1.31	0.01			9121.98		138.43
Hempstead Lake	201.724	Max WS	15.38	14.55	0.84				9121.97		156.24
Hempstead Lake	186.74		Inl Struct								
Hempstead Lake	171.724	Max WS	12.20	11.49	0.71	0.00		2855.95	6266.02		145.40
Hempstead Lake	166.724	Max WS	12.19	11.48	0.71			2855.75	6266.22		145.38

Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

80% of 1/2PMF - Proposed



Hempstead Lake 8-24-15 Plan: Plan 34 8/31/2015

80% of 1/2PMF - Proposed