

**Owego Municipal Facility
Town of Owego, Tioga County, NY
Environmental Review Record**



Prepared by Tetra Tech Inc.
1999 Harrison Street, Suite 500
Oakland, CA 94612

**New York State Homes and Community Renewal
Governor's Office of Storm Recovery**
38-40 State Street
Albany, NY 12207

May 12, 2017

Owego Municipal Facility Environmental Review Record

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Project Name: Owego Municipal Facility

Project Location: 2354 State Route 434, Apalachin, Town of Owego, Tioga County, NY

HTFC SHARS #: N/A

Federal Agency: US Department of Housing and Urban Development
Responsible Entity: New York State Homes and Community Renewal

**Responsible Agency's
Certifying Officer:** Lori A. Shirley, Governor's Office of Storm Recovery, Certifying Officer

Project Sponsor: Town of Owego
Primary Contact: Don Castellucci, Jr.
Supervisor
(607) 687-0123
dcastellucci@townofowego.com

Project NEPA Classification: 24 CFR 58.36 (Environmental Assessment)

Environmental Finding:	<input checked="" type="checkbox"/> Finding of No Significant Impact - The project will not result in a significant impact on the quality of the human environment.
	<input type="checkbox"/> Finding of Significant Impact - The project may significantly affect the quality of the human environment.
Certification	The undersigned hereby certifies that New York State Homes and Community Renewal has conducted an environmental review of the project identified above and prepared the attached environmental review record in compliance with all applicable provisions of the National Environmental Policy Act of 1969, as amended (42 USC Sec. 4321 et seq.) and its implementing regulations at 24 CFR Part 58.
Signature	 Lori A. Shirley

**Environmental
Assessment Prepared By:** Consultant: **Tetra Tech, Inc.**
Address: 1999 Harrison Street, Suite 500
Address: Oakland, CA 94612

CERTIFICATION OF NEPA CLASSIFICATION

It is the finding of the New York State Housing Trust Fund Corporation that the activity(ies) proposed in its 2015 NYS CDBG-DR project, Owego Municipal Facility are:

Check the applicable classification.

- Exempt as defined in 24 CFR 58.34 (a).
- Categorically Excluded as defined in 24 CFR 58.35(b).
- Categorically Excluded as defined in 24 CFR 58.35(a) and no activities are affected by federal environmental statutes and executive orders [i.e., exempt under 58.34(a)(12)].
- Categorically Excluded as defined in 24 CFR 58.35(a) and some activities are affected by federal environmental statutes and executive orders.
- "Other" neither exempt (24 CFR 58.34(a)) nor categorically excluded (24 CFR 58.35).
- Part or all of the project is located in an area identified as a floodplain or wetland. For projects located in a floodplain or wetland, evidence of compliance with Executive Orders 11988 and/or 11990 is required.

For activities excluding those classified as "Other", attached is the appropriate Classification Checklist (Exhibit 2-4) that identifies each activity and the corresponding citation.



Signature of Certifying Officer

May 12, 2017

Date

Lori A. Shirley
Director, Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

CERTIFICATION OF SEQRA CLASSIFICATION

It is the finding of the New York State Housing Trust Fund Corporation that the activity(ies) proposed in its 2105 NYS CDBG-DR project, Owego Municipal Facility constitute a:

Check the applicable classification:

- Type I Action (6NYCRR Section 617.4)
- Type II Action (6NYCRR Section 617.5)
- Unlisted Action (not Type I or Type II Action)

Check if applicable:

- Environmental Impact Statement (EIS) Prepared
 - Draft EIS
 - Final EIS



Signature of Certifying Officer

May 12, 2017

Date

Lori A. Shirley
Director, Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The Town of Owego, Tioga County, New York proposes to construct a new garage and office facility outside the 100-year floodplain to house critical municipal operations for the Town of Owego. The existing Owego Town Hall, located at 2354 State Route (SR) 434 in Apalachin, New York, is outside the 100-year floodplain; however, some critical Town of Owego facilities are located in the 100-year floodplain and are vulnerable during large storm events. The proposed Project is known by several names including Owego Municipal Facility, Town of Owego – DPW Parks and Utilities Office Relocation, and Town of Owego New Garage and Town of Owego Municipal Building.

The purpose of the Project is to move the Town of Owego municipal facilities out of the 100-year floodplain to ensure the continued operation of town operations during flood events. Consolidation of these municipal operations into one campus would also lead to cost savings as well.

The proposed Project site is an approximately 4-acre parcel on the northwest side of the current Owego Town Hall and police barracks on SR 434 (**Figures 1 and 2**). The Project site is both wooded and undeveloped land. There is a septic system located on the southeast perimeter of the Project site. The site is bounded by SR 434 to the northeast, and the Owego Town Hall, police barracks, and a parking area to the southeast. There are residential properties to the northwest and undeveloped parcels to the southwest.

The Project site is located over the Clinton Street Ballpark Sole Source Aquifer.

The Project would include the construction of a new 33,181 square foot facility to house municipal operations for the Town of Owego (**Figures 3, 4, and 5**). The new building would be designed to include a shared space for the Town's Sewer and Water Department, Parks Department Office, and Highway Department Office, including office space, meeting rooms, rest rooms, and garage bays. The facility would have a 9,300-square foot second floor. The interior layout has not been finalized. It is anticipated that this location would also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations during emergency situations such as floods.

The current Owego Town Hall obtains water from an on-site well. The water supplies for both the town hall and the new facility would be supplemented by the addition of a new supply well. These two wells would provide water to the town hall and the new facility.

A new septic system with an on-site leachate field would be constructed in accordance with local and state requirements including permitting requirements. Stormwater runoff would be directed to onsite stormwater retention basins and allowed to infiltrate the ground. New York State Department of Environmental Conservation (NYSDEC) permits would be obtained for the stormwater system. The basins could be somewhat revised during finalization of site plans in response to NYSDEC permitting process.

Construction activities would include tree removal; clearing; grubbing; site preparation; soil borings; adding footings, a roadway, and parking; installing a water well; and constructing an on-site septic and leachate field. Trees would be removed from approximately 3 acres for the

construction of the new facility, septic system, supply well, parking and storm drainage basins (**Figure 6**).

The project would be constructed on property owned by the Town of Owego, so there would be no property acquisition.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

In June 2013, Governor Andrew Cuomo set out to centralize recovery and rebuilding efforts in impacted areas of New York State. Although Tioga County was not affected by Hurricane Sandy, this storm was the catalyst for the allocation of disaster relief funds under the Community Development Block Grant – Disaster Recovery (CDBG-DR) award. These funds are being used to assist not only counties that were devastated by Hurricane Sandy, but also counties like Tioga County that were severely impacted by Hurricane Irene and Tropical Storm Lee in 2011. The Governor's Office of Storm Recovery (GOSR) was established to administer the award funds, address communities' most urgent needs, and encourage the identification of innovative and enduring solutions to strengthen the State's infrastructure and critical systems. Operating under the umbrella of New York State Homes and Community Renewal (HCR), GOSR uses approximately \$3.8 billion in flexible funding made available by the US Department of Housing and Urban Development's (HUD's) CDBG-DR program to concentrate aid to four main areas: housing recovery, small business, community reconstruction, and infrastructure. Paired with additional federal funding that was awarded to other State agencies, the CDBG-DR program is enabling homeowners, small businesses and entire communities to build back and better prepare for future extreme weather events.

In 2011, Tioga County was severely damaged by the combination of the effects of Hurricane Irene and Tropical Storm Lee.

On August 28, 2011, rains from Hurricane Irene saturated the soils, wetlands reached their storage capacity, and the runoff in the area brought streams and rivers to near flood conditions. When Tropical Storm Lee hit the county ten days later, on September 7, 2011, the conditions remaining from Irene resulted in rapidly rising waters of the Susquehanna River and the Owego and Huntington Creeks that caused severe flash flooding, destroying homes, businesses, and infrastructure. High water flowed through these communities for three days. Critical Town of Owego municipal facilities flooded, hampering critical municipal services and releasing stored fuel, salt, and sand into the environment, causing contamination.

The existing Town of Owego Highway Department, Parks Department, and Sewer and Water Department were completely inundated at their current locations impacting municipal services. These critical Town of Owego facilities are in the 100-year floodplain and are vulnerable during large storm events.

Implementation of the project would allow the Town to provide uninterrupted municipal services during and following storm events. The project beneficiaries are the residents of the Town of Owego. Ensuring unrestricted access to response and recovery equipment and the provision of critical municipal services during and following storm events is essential to the health, safety, and welfare of the town residents.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The town was first settled around 1786. The "Original Town of Owego" was created at the time Tioga County was formed in 1791. The current Town of Owego was formed as the "Town of Tioga" in 1800. Confusion over the location of the Village of Owego caused the legislature to have the Town of Owego and the Town of Tioga to switch names in 1813 so that Owego village was in the same-named town. The Susquehanna River flows through the town, dividing it into two parts. Owego Creek flows into the Susquehanna River at Owego village and marks the western town line.

The Town of Owego encompasses approximately 106 square miles and has a population of 19,489, according to the American Community Survey estimates for 2015. This represents a population decrease of 2 percent from the 2010 Census figure of 19,883. Census data does not suggest a significant population change as a result of the storm-related flooding.

New York State has experienced a number of storms (e.g., Hurricane Irene, Tropical Storm Lee, Hurricane Sandy) that caused substantial damage over the last decade. The flooding of essential municipal service facilities caused interruption of essential operations, and costly damages. The risk from future flooding is unabated if these facilities remain in the floodplain. A key strategy for the Town of Owego is to relocate essential service out of the floodplain to ensure unrestricted access to response and recovery equipment and the provision of critical municipal services during and following storm events.

Standard Conditions for All Projects

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with the National Environmental Policy Act (NEPA) and other laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires the recipient to comply with all federal state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

Funding Information

Estimated Total HUD Funded Amount:
\$4,882,868

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:
\$4,882,868

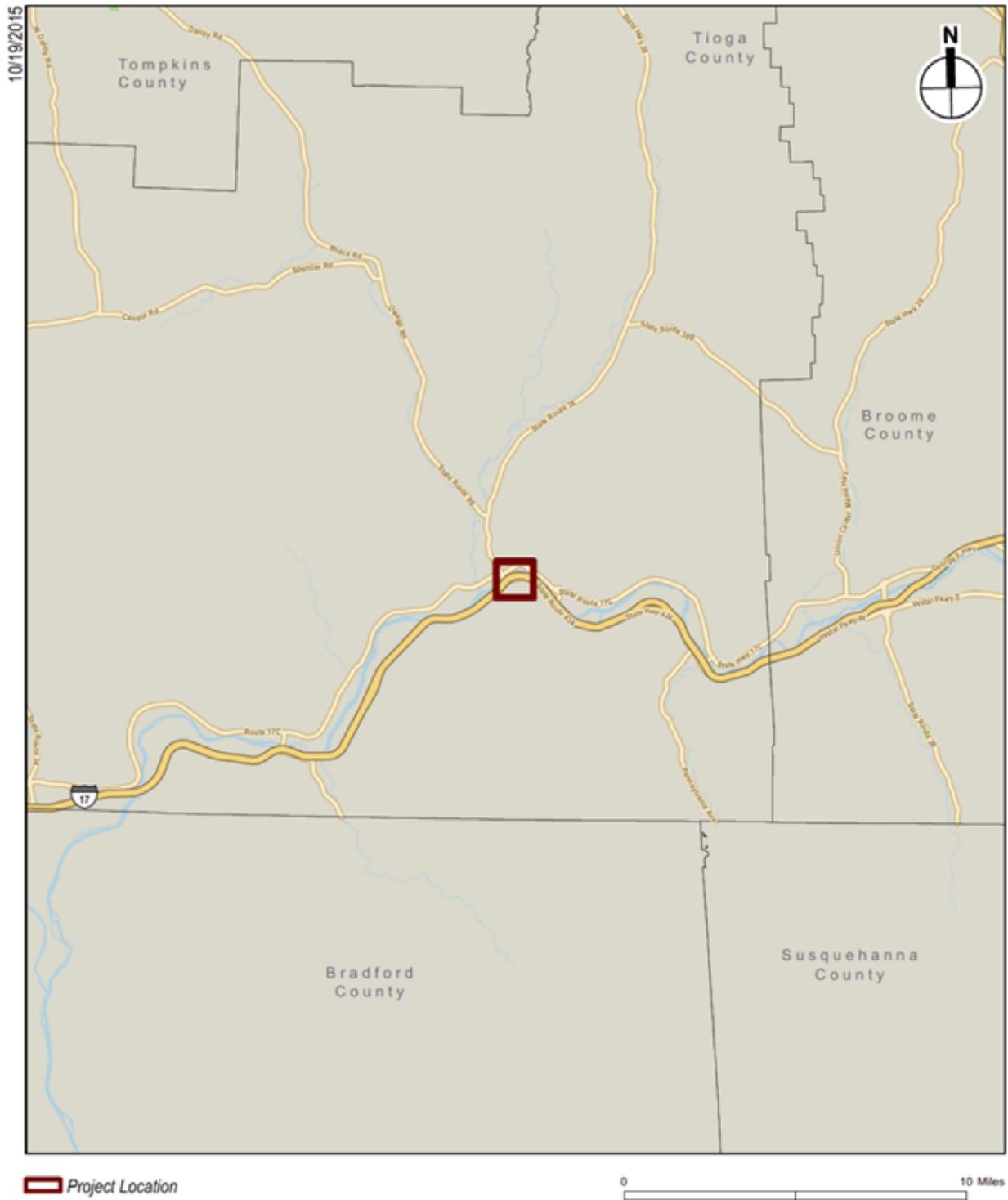


Figure 1. Site Location Map

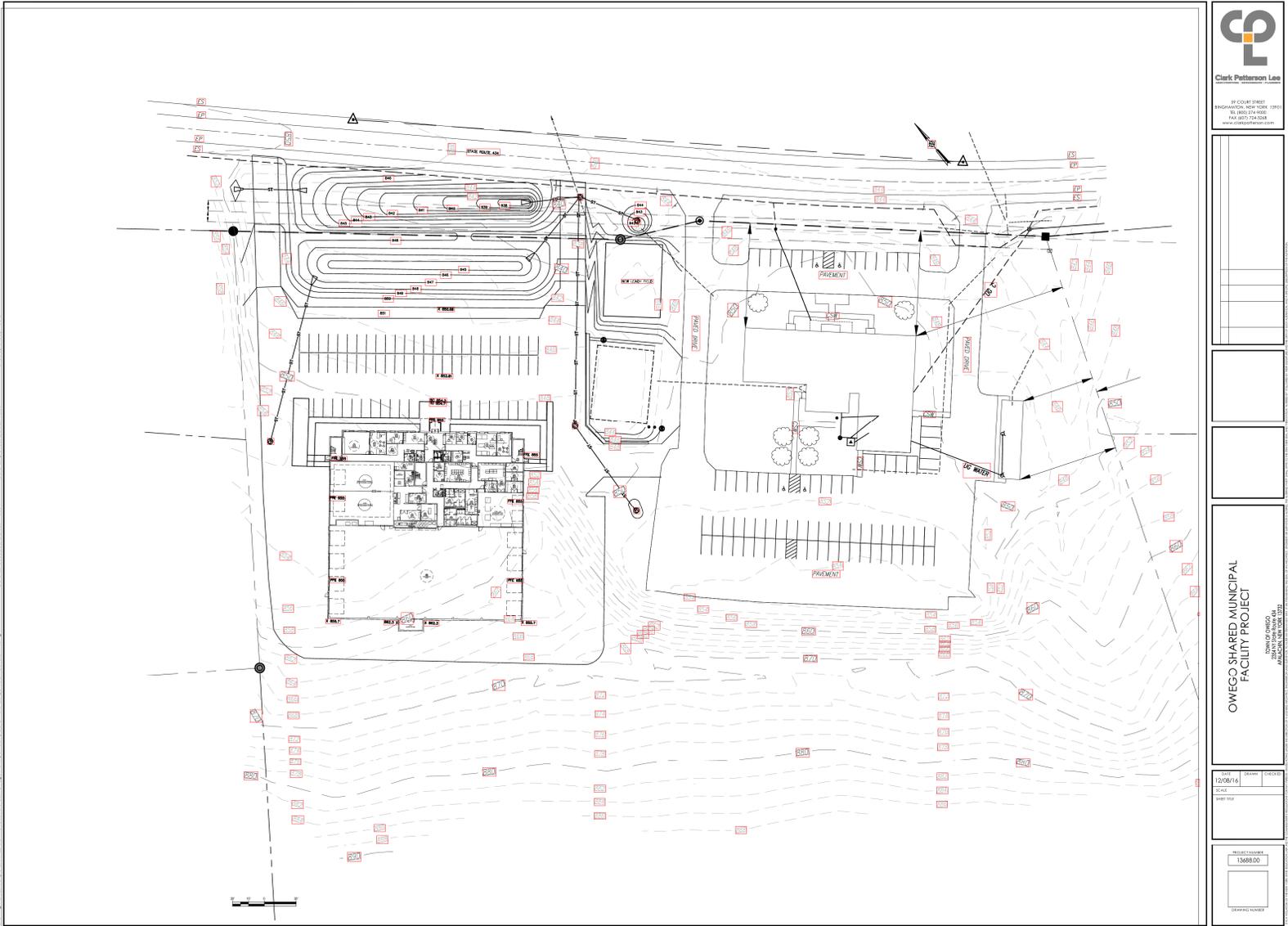


Figure 3. Project Site Plan.

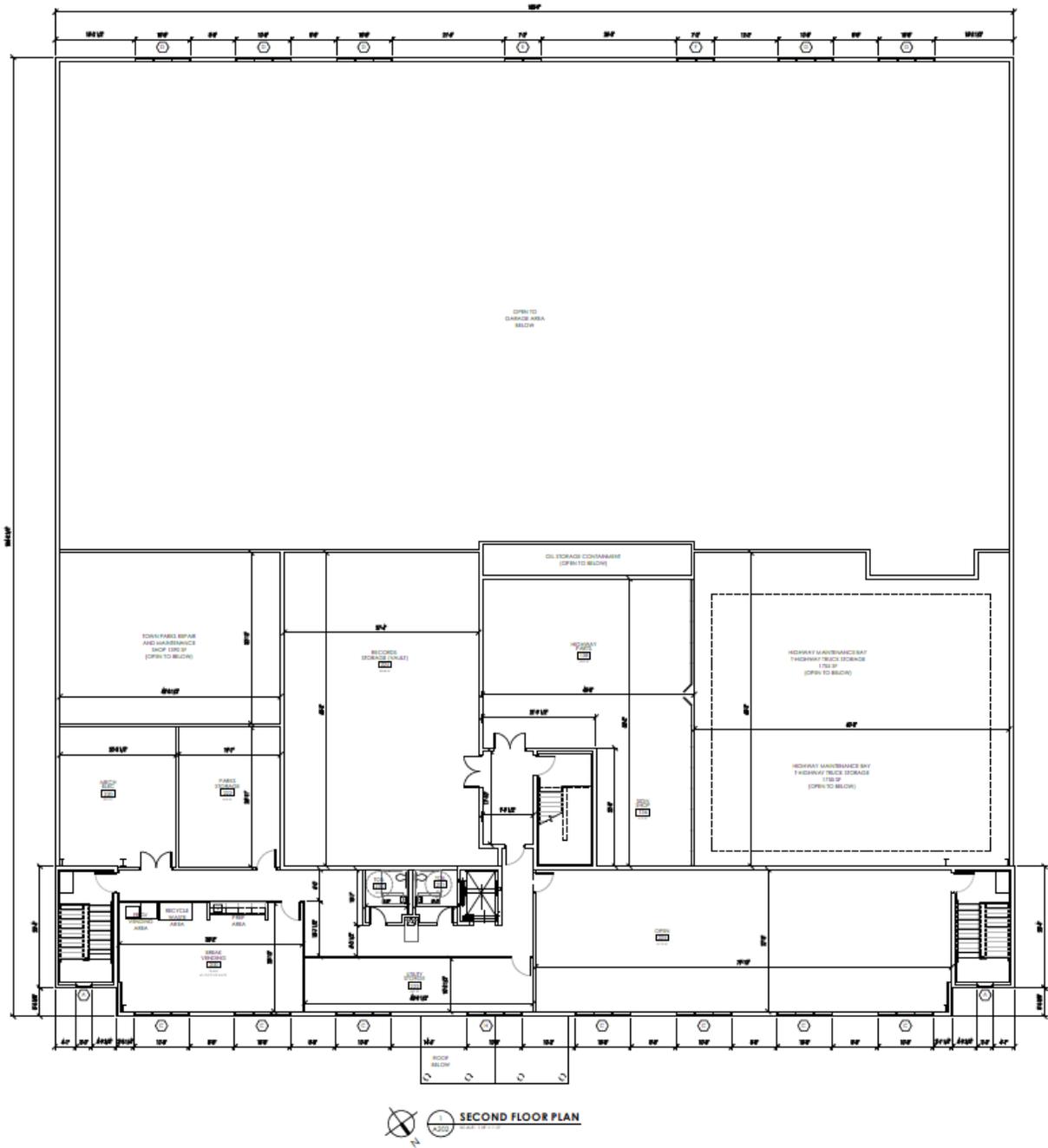


Figure 5. Second Floor Plan.

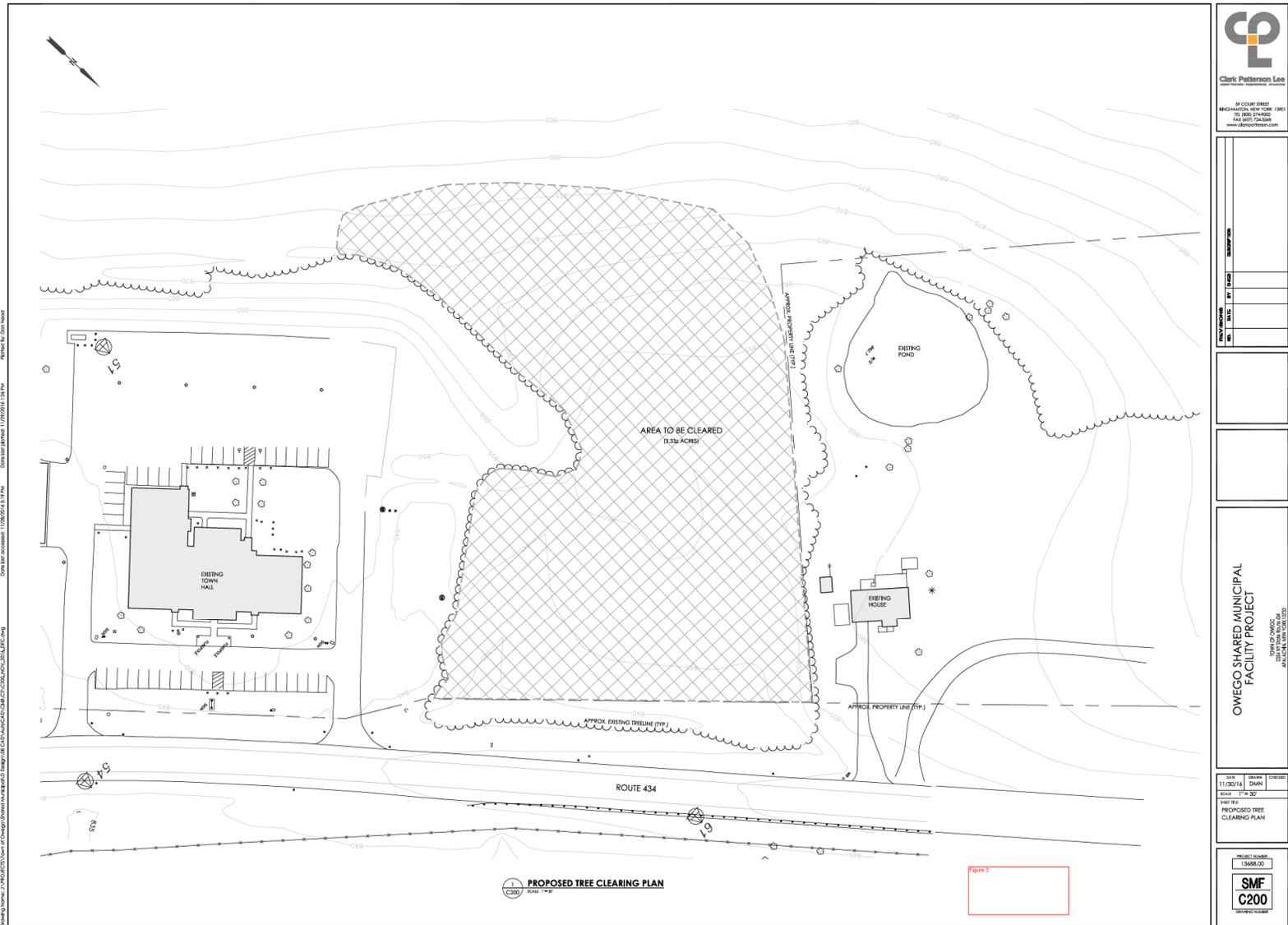


Figure 6. Area to be Cleared of Trees.

Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on HUD guidance in Fact Sheet #D1, the National Plan of Integrated Airport Systems (NPIAS) was reviewed for civilian, commercial service airports near the Project site, as projects within 2,500 feet of a civil airport require consultation with the appropriate civil airport operator. There are no civilian, public-use airports within 2,500 feet of the Project site. (See Appendix A , Figures.) No military airports are within 15,000 feet of the Project site. (See Appendix A , Figures.)
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is not in a Coastal Barrier Resources Area as defined by the state's Coastal Zone Management Program. (See Appendix A , Figures)
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is outside the 100-year Special Flood Hazard Area (SFHA) Zone A, as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Community Panel Number 36107C0403E, dated April 17,

		2012. (See Appendix B , Floodplains). The Project would not require flood insurance.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The Project site is not included in the most recent listing of nonattainment or maintenance areas for inhalable particulate matter (PM2.5) or the 2008 8-hour ozone standard, as defined by the US Environmental Protection Agency (EPA) Green Book Nonattainment Areas for Criteria Pollutants.</p> <p>The Project would not require an NYS Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit. The Project activities would not substantively affect air quality.</p> <p>The Project size is consistent with the New York State Implementation Plan (SIP) as it would not involve new sources.</p> <p>Implementation of standard best management practices (BMPs) would control dust and other emissions during construction. Air quality impacts would be short term and localized during construction, so no significant adverse impacts to air quality are anticipated.</p> <p>(See Appendix A, Figures)</p> <p>Source: 2</p>
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The Project site is not in a coastal zone as defined by the state's Coastal Zone Management Program or a Local Waterfront Revitalization Program. (See Appendix A, Figures)</p>
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The Project site is a vacant wooded area with a septic system located on the southeast perimeter. The site has been undeveloped since at least 1901. A Phase 1 Environmental Site Assessment (ESA)</p>

		<p>performed in January 2016, found no recognized environmental conditions (RECs). No hazardous or solid waste storage is evident on the site, and the Project would not expose new populations to hazards or nuisances because no new populations would reside on the Project site.</p> <p>A search of the NYSDEC Bulk Storage Program Database identified two petroleum bulk storage facilities within one mile of the Project site (See Appendix A, Figures). The Town of Owego Town Hall had a 2,000-gallon underground storage tank (UST) that was removed. The Hauser Equipment Rentals site to the north had three USTs, that were removed.</p> <p>A search of the NYSDEC Remedial Site Database, containing records of the sites being addressed under one of DER's remedial programs (State Superfund, Brownfield Cleanup, Environmental Restoration and Voluntary Cleanup, the Registry of Inactive Hazardous Waste Disposal Sites, and Institutional and Engineering Controls), identified no sites within one mile of the Project site (See Appendix A, Figures). The Project site was not identified in NYSDEC Remedial Site Database.</p> <p>The Project would not result in the exposure of people or sensitive environmental resources to the facilities identified in these databases.</p> <p>Asbestos and Lead-Based Paint</p> <p>Because there are no existing structures on the Project site and the new facilities would not be used for emergency shelter, asbestos and lead-based paint are not hazards of concern.</p>
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		<p>Radon</p> <p>According to the EPA, the Project site is in Radon Zone 1, where the predicted average indoor radon screening level is greater than 4 picoCuries per liter (pCi/L), the highest potential for elevated indoor radon levels. So, a vapor barrier would be installed to prevent radon gas from entering the building. Source: 3, 4,</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The US Fish and Wildlife Service (USFWS) online review process, completed on December 2, 2016, found one threatened species potentially associated with the project sites – the threatened northern long-eared bat (NLEB) (<i>Myotis septentrionalis</i>). Several migratory birds of concern that could be affected by the proposed Project were identified in the online review process. (See Appendix D, USFWS, NYSDEC, and NYNHP Correspondence).</p> <p>On December 6, 2016 GOSR provided the USFWS with a letter documenting the Endangered Species Act review and requesting informal consultation. Because tree removal may occur during the active season of the NLEB, GOSR determined that this <i>project may affect</i> the NLEB, but that any resulting incidental takes of NLEBs are not prohibited by the final 4(d) rule. USFWS did not respond within the 30-day limit with objections to the determination. Because the date of the USFWS consultation, the anticipated construction schedule includes tree removal in September or October.</p> <p>An additional check of the USFWS online review process in March 2017 showed no change in the species list.</p> <p>In response to the November 29, 2016, New York Natural Heritage Program (NYNHP) inquiry regarding potential rare or state-</p>

		<p>listed animals or plants near the Project sites, the NYNHP stated on December 13, 2016, that there are no records of concern for rare or state-listed animals or plants, or significant natural communities at the Project site or in its immediate vicinity. (See Appendix D, USFWS, NYSDEC, and NYNHP Correspondence)</p> <p>A follow-up investigation showed an eagle nest (last active in 2015) to be located on Hiawatha Island approximately 0.5 mile east of the Project site. Based on (1) the proximity of the nest to the Project site (approximately 0.5 mile), (2) intervening river and forested island cover, (3) USFWS recommendations for limiting disturbance to nesting eagles, and (4) additional coordination with the NYSDEC during the permit review process, no impact to endangered or threatened species is anticipated. (See Appendix D, USFWS, NYSDEC, and NYNHP Correspondence)</p> <p>Source: 5</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project would not introduce housing or sensitive public uses at the site that could be exposed to explosive or flammable hazards.</p> <p>HUD-assisted projects must be located at an Acceptable Separation Distance (ASD) from stationary hazardous operations that store, handle or process chemicals or petrochemicals of an explosive or flammable nature. These tanks include:</p> <ul style="list-style-type: none"> • Aboveground storage tanks (ASTs) that store flammable or explosive gasses (such as propane) within a 1,000-foot radius of the Project site; • ASTs exceeding 100 gallons that store flammable or explosive liquids

		<p>within a 1,000-foot radius of the Project site; or</p> <ul style="list-style-type: none"> • ASTs that exceed 20,000 gallons and are within 1 mile of the site. <p>The Project does not include any ASTs. No new tanks would be installed. No new explosive or thermal hazards would result from the Project.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The soils on the northeastern half of the Project site (approximately 2 acres) are identified as prime farmland if drained. This amount of land falls under the Natural Resources Conservation Service small acreage exemption of 3 acres or less. According to Part 523.11 E of the Farmland Protection Policy Act (FPPA) Manual, an AD 1006 is not required for this Project, and it is exempt. (See Appendix A, Figures)</p> <p>The southwestern half soils are identified as farmland of statewide importance. However, the Project area is not in a New York State agricultural district. (See Appendix A, Figures)</p> <p>Source: 6</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is outside the 100-year SFHA Zone A, as shown on the FEMA FIRM Community Panel Number 36107C0403E, dated April 17, 2012. (See Appendix B, Floodplains).</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800; Tribal notification for new ground disturbance.</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Consultation with the New York State Historic Preservation Office (SHPO) and the Division for Historic Preservation (DHP) in the Office of Parks, Recreation and Historic Preservation (OPRHP) in accordance with Section 106 of the National Historic Preservation Act of 1966 was initiated through the Cultural Resource Information System (CRIS) on January 28, 2016. Consultation with the SHPO in March 2016 resulted in a recommendation that a Phase I</p>

		<p>Archaeology Survey be conducted at the Project site.</p> <p>The survey was conducted in April 2016. No sites were identified. In a December 1, 2016 response to an updated letter to the SHPO, dated November 30, 2016, the SHPO stated that there would be “No Historic Properties Affected” by the Project. (See Appendix E, SHPO Correspondence)</p> <p>The Cayuga Nation of New York, Onondaga Nation, and Seneca-Cayuga Nation were contacted as possible consulting parties. Each was sent a letter on March 3, 2016, with the site description, photographs, site plan, and map. No replies were received. (See Appendix F, Tribal Correspondence)</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project involves the construction of a new municipal facility next to the existing Town Hall facility.</p> <p>The proposed Project is not a noise-sensitive use, and the policies of 24 CFR 51.101(a)(3) do not apply to any action or emergency assistance under disaster assistance provisions or appropriations that are provided to save lives and protect public health and safety.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is within the bounds of the Clinton Street Ball Park Sole Source Aquifer (SSA) Designated Area. (See Appendix A, Figures). Project construction would create approximately 3 acres of impervious surface on approximately 4 acres of undeveloped wooded land. There is no existing impervious surface in the Project area.</p> <p>Consultation with the EPA was initiated on December 7, 2016. On December 29, 2016, the EPA concurred that the Project satisfies the requirements of the Safe Drinking Water Act and would not pose a significant threat</p>

		to the Clinton Street Ball Park SSA. (See Appendix G , Sole Source Aquifers)
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project area is not on or adjacent to wetlands, as identified by NYSDEC and National Wetlands Inventory (NWI). (See Appendix H , Wetlands)
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no state or federally designated wild and scenic rivers at or near the Project. (See Appendix A , Figures)
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>Because the proposed Project is the relocation of existing municipal service facilities with no potential adverse impacts, there are no disproportionate adverse impacts anticipated. The proposed Project would follow local ordinances, so no adverse impacts on the surrounding community are anticipated.</p> <p>The Project site is not within in a potential Environmental Justice (EJ) area, as defined by NYSDEC based on data from the 2010 U.S. Census (See Appendix A, Figures). The Project would not raise EJ issues and would have no potential for new or continued disproportionately high and adverse human health and environmental effects on minority or low-income populations.</p> <p>The Project would ensure continued municipal service during flood events.</p>

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits or approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	<p>The Project would not require the acquisition of new land. The property is currently owned by the Town of Tioga. The site is zoned Highway Interchange District (HIC) in the 1997 Comprehensive Plan. Within the HIC zone all retail, sales, service and office uses are permitted with a special permit by the Zoning Board of Appeals.</p> <p>The Project is consistent with goals and funding priorities identified in the New York Rising Community Reconstruction (NYRCR) Tioga Plan, including relocating critical facilities outside the 100-year floodplain. The development would incorporate resiliency measures under the NYS Building Code and those in the Resiliency Tool Kit.</p> <p>Source: 7, 8</p>
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	3	<p>The site is on mildly sloped land. Elevations range between approximately 875 to 845 feet above mean sea level (AMSL). Overland drainage would tend to follow natural contours to the northeast toward the Susquehanna River (See Appendix C, Phase I ESA).</p>

		<p>The Project would require tree removal, clearing of vegetation, grading and compaction for the site improvements, including the building foundations, leach field, stormwater retention areas, and paved parking areas.</p> <p>Soils at the Project site are predominantly Red Hook (Braceville) gravelly silt loam, 3 to 8 percent slopes; and Volusia channery silt loam, (0 to 35 percent slopes); with a small amount of Unadilla silt loam (0 to 50 percent slopes).</p> <p>Other than the Unadilla silt loam, the soils are rated as very limited. The construction would involve the placement of structural fill.</p> <p>Impervious surface that would be created on most (approximately 65 percent) of the approximately 4-acre Project site would include the approximately 32,800-square foot building, sidewalks, and paved access roads and parking area.</p> <p>Stormwater protection measures would include one or two stormwater retention areas. Construction and operation of the storm water control system and all Project construction would be in accordance with Section 402 of the Clean Water Act that requires authorization by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is a NPDES-approved program. Coverage under the NYSDEC GP-15-002 permit would be obtained prior to the commencement of construction activity.</p>
<p>Hazards and Nuisances including Site Safety and Noise</p>	<p>2</p>	<p>The Project site is not in a 100- or a 500-year flood hazard area. No other known natural hazards, including earthquake fault zones, landslide zones, or hazardous terrain, are at or near the Project site.</p> <p>The Project would generate noise during construction that would be minimized through compliance with local noise ordinances, including time-of-day work limitations. Exterior construction activities would take place during normal working hours and would employ commonly accepted engineering and administrative controls that would minimize noise impacts to neighbors. Interior</p>

		construction activities would have negligible impact to neighbors.
Energy Consumption	2	The Project would not result in additional energy consumption because the new municipal facility would replace the current functions currently performed in existing facilities. The new facility would use more modern and energy-saving building materials and practices. Some energy savings may be realized. No impacts would occur to existing nearby suppliers.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	There would be a temporary minor increase in employment during construction and no increase in long-term employment.
Demographic Character Changes, Displacement	2	Because the Project site is uninhabited and no population changes would result, there would be no demographic, character, or displacement impacts.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	Because the Project involves no changes in population, there would be no impact on demand for educational or cultural facilities.
Commercial Facilities	2	Because the Project involves no changes in population, there would be no impact on demand for commercial facilities.
Health Care and Social Services	2	Because the Project involves no changes in population, there would be no impact on demand for health care and social services.
Solid Waste Disposal / Recycling	3	Construction may result in a temporary increase in solid waste. Construction debris of wood, piping, and other materials would be collected on-site and disposed of or recycled as appropriate. The Project would create solid waste associated with daily operations of the municipal complex. A licensed hauler

		would be hired to properly dispose of solid waste at a designated disposal site that satisfies the Construction Waste Management criteria. There would be no increase in solid waste disposal or recycling from operation of the Project because it would replace the existing municipal complex and its recycling and solid waste activities.
Waste Water / Sanitary Sewers	2	Wastewater and sewage generated by the proposed Project would be accommodated by the septic leach field that would be constructed as part of the Project. The Project would not place additional demand on a public sewer system.
Water Supply	3	<p>The current Owego Town Hall obtains water from an on-site well. The water supplies for both the town hall and the garage would be supplemented by the addition of another well. These two wells would provide water to both the town hall and the new facility.</p> <p>Relocating functions in the existing facilities that use water supplied by United Water Owego-Nichols would decrease water demand in that provider's service area. The overall water use in the region would not change.</p> <p>Source: 9</p>
Public Safety - Police, Fire and Emergency Medical	2	<p>Because the Project involves no changes in population, there would be no impact on demand for police, fire, or emergency medical services.</p> <p>Use of the Project facility by emergency services during flooding would a benefit to the residents of the Town.</p>
Parks, Open Space and Recreation	2	Because the Project involves no changes in population, there would be no impact on demand for parks, open space, or other recreational facilities.
Transportation and Accessibility	2	Because the Project involves no changes in population, there would be no impact on use of transportation infrastructure.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	3	The Project site is on undeveloped but previously disturbed land in an existing rural area and contains no unique natural features or water resources (See Appendix A , Figures, and Appendix H , Wetlands). The Project would include stormwater retention features. NYSDEC permits would be obtained for the stormwater system.
Vegetation, Wildlife	2	<p>The threatened northern long-eared bat (NLEB) (<i>Myotis septentrionalis</i>) is the only threatened or endangered species that is potentially associated with the project site. Several migratory birds of concern were identified that could be affected by the Project. (See Appendix D, USFWS, NYSDEC, and NYNHP Correspondence). Because tree removal may occur during the active season of the NLEB, GOSR determined that this <i>project may affect</i> the NLEB, but that any resulting incidental takes of the NLEB is not prohibited by the final 4(d) rule. The anticipated construction schedule includes tree removal in September or October.</p> <p>Follow up investigation showed an eagle nest located on Hiawatha island (approximately 0.5 mile east of the Project site) last active in 2015. Based on (1) the proximity of the nest to the project, (2) intervening river and forested island cover, and (3) additional coordination with the NYSDEC during the permit review process, no impact to endangered or threatened species is anticipated. (See Appendix D, USFWS, NYSDEC, and NYNHP Correspondence)</p>
Other Factors	2	No additional factors would be impacted by the project, and no additional impacts would occur.

Additional Studies Performed:

- Wetland Assessment report completed in December 2016.
- Phase I Environmental Site Assessment in January 2016.
- Phase I Archaeology Survey in April 2016

Field Inspection (Date and completed by):

November 20, 2016, wetland assessment and delineation described in December 2016 Wetland Assessment report

January 11, 2016, site reconnaissance for the January 2016 Phase I Environmental Site Assessment

March 1, 2016, field survey for the April 2016 Phase I Archaeology Survey

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

1. New York State. 2013. State of New York Action Plan for Community Development Block Grant Program Disaster Recovery (Action Plan, issued April 25, 2013, amended July 3, 2013) New York State. 2013.
2. United States Environmental Protection Agency. Green Book Nonattainment Areas. Internet Website: <http://www.epa.gov/oaqps001/greenbk/ancl.html>.
3. New York State Department of Environmental Conservation Bulk Storage Database Search. Internet Website: <http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=4>.
4. New York State Department of Environmental Conservation Environmental Site Remediation Database Search. Internet Website: <http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=3>.
5. United States Environmental Protection Agency. 2015. NEPAassist Internet Mapping Tool. <http://nepassisttool.epa.gov/nepassist/nepamap.aspx?wherestr=195+east+merrick+road%2C+freepoint%2C+ny>.
6. United States Department of Agriculture. Natural Resources Conservation Service. Internet Website: <http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>.
7. Town of Owego Comprehensive Plan, Tioga County, New York. 1997. Accessed at <http://townofowego.com/pdf/TownofOwegoCompPlan-Part1.pdf>
8. NYRCR Tioga Planning Committee. 2014. NYRCR Tioga, NY Rising Community Reconstruction Plan. March 2015
9. United Water Owego-Nichols. 2015. Water Quality Information, Annual Water Quality Report, Owego System and Nichols System. May 2015. Internet Website: https://www.unitedwater.com/uploadedfiles/localized_content/uw_owego-nichols/20/w_f15_ccr_owegonichols_web.pdf.

List of Appendices

- Appendix A Figures
Appendix B Floodplains
Appendix C Phase I ESA

- Appendix D USFWS, NYSDEC, and NYNHP Correspondence
- Appendix E SHPO Correspondence
- Appendix F Tribal Correspondence
- Appendix G Sole Source Aquifer
- Appendix H Wetlands

List of Permits Obtained or Required:

1. A special use permit by the Town of Owego Zoning Board of Appeals
2. Town of Owego Planning Board Site Plan approval
3. NYSDEC permits would be obtained for the stormwater system
4. NYSDEC SPDES Permit for Construction
5. NYS Department of Transportation (DOT) Highway Work Permit
6. Local Building Permit from the Town of Owego.

List of Other Approvals Obtained or Required:

State Environmental Quality Review Act (SEQRA) Unlisted evaluation.

Public Outreach [24 CFR 50.23 & 58.43]:

On May 12, 2017, a combined Notice of Finding of No Significant Impact and Intent to Request Release of Funds would be published in the Binghamton *Press and Sun Bulletin*. Any individual, group, or agency may submit written comments on the Environmental Review Record to:

Lori A. Shirley, GOSR, HCR
38-40 State Street
Albany, NY 12207
(518) 474-0755
NYSCDBG_DR_ER@nyshcr.org

Cumulative Impact Analysis [24 CFR 58.32]:

The Project is not expected to trigger cumulative impacts, including the degradation of important natural resources, socioeconomic resources, human health, recreation, quality of life issues, and cultural and historic resources. The Project is not of a scale large enough to contribute significantly to cumulative impacts. It would create positive impacts, as it would provide the Town of Owego with a functioning municipal complex during future storm events that is needed to allow first responders to reach all parts of town in an emergency and would benefit residents of the Town of Owego.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

Proposed Project. As fully described in this Environmental Assessment, the Town of Owego Municipal Facility Project would involve constructing a new municipal facility for the Town of Owego, Tioga County, New York.

Alternative Sites Alternative. Other properties in the Town of Owego were considered as potential sites for relocation of the individual municipal facilities. These other suggested sites were not considered suitable for development because they are:

- Not owned by the Town of Owego, or
- Within flood-prone areas

No Action Alternative [24 CFR 58.40(e)]:

Not undertaking the Project would not be consistent with the goals and objectives of the Tioga County NYRCR Plan and other local and state plans because the Town would not relocate critical facilities and services outside the floodplain. Without the project, the community would not have functioning municipal services during future storm events. Under the No Action Alternative, the Town's goals to minimize future impacts from flooding would be limited. Relocating the critical functions of the existing Town of Owego municipal facilities out of the floodplain, eliminating potential damage caused by flooding, and strengthening emergency response activities during a flood event would be delayed.

Summary of Findings and Conclusions:

The new facility would relocate the critical functions of the existing Town of Owego municipal services out of the floodplain, eliminating potential damage caused by flooding and strengthening emergency response activities during a flood event. The proposed Project would not result in a significant impact on the quality of the human environment or result in other direct, indirect, or cumulative impacts. The Project would comply with all relevant regulations listed in 24 CFR subparts 58.5 and 58.6.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

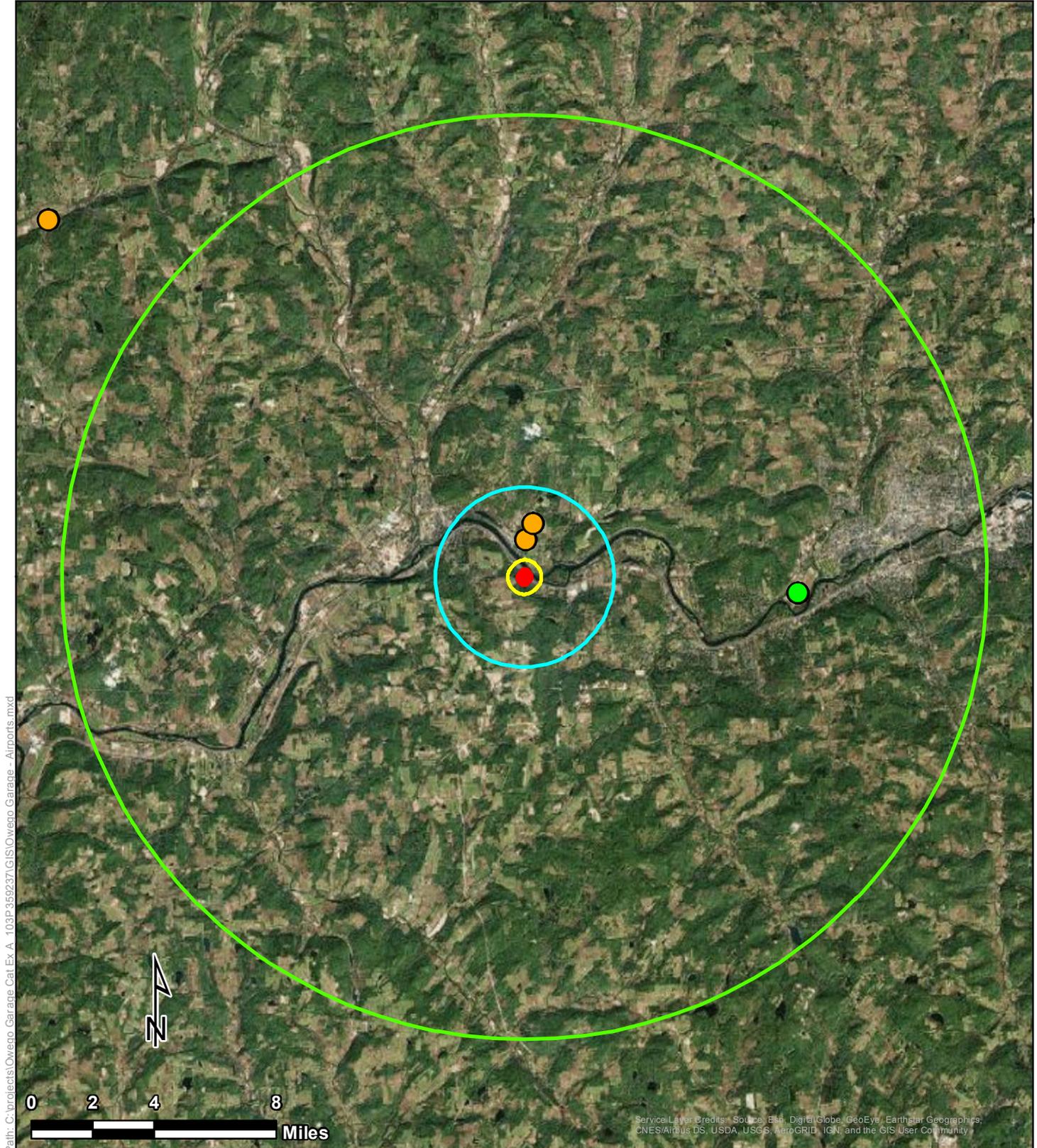
GOSR has summarized below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures or conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Certifying Officer Signature:  Date: May 12, 2017

Name/Title: Lori A. Shirley, Director, Bureau of Environmental Review and Assessment,
Governor's Office of Storm Recovery

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Appendix A – Figures



Path: C:\projects\Owego_Garage_Cat_Ext_A_103P_359237\GIS\Owego_Garage - Airports.mxd

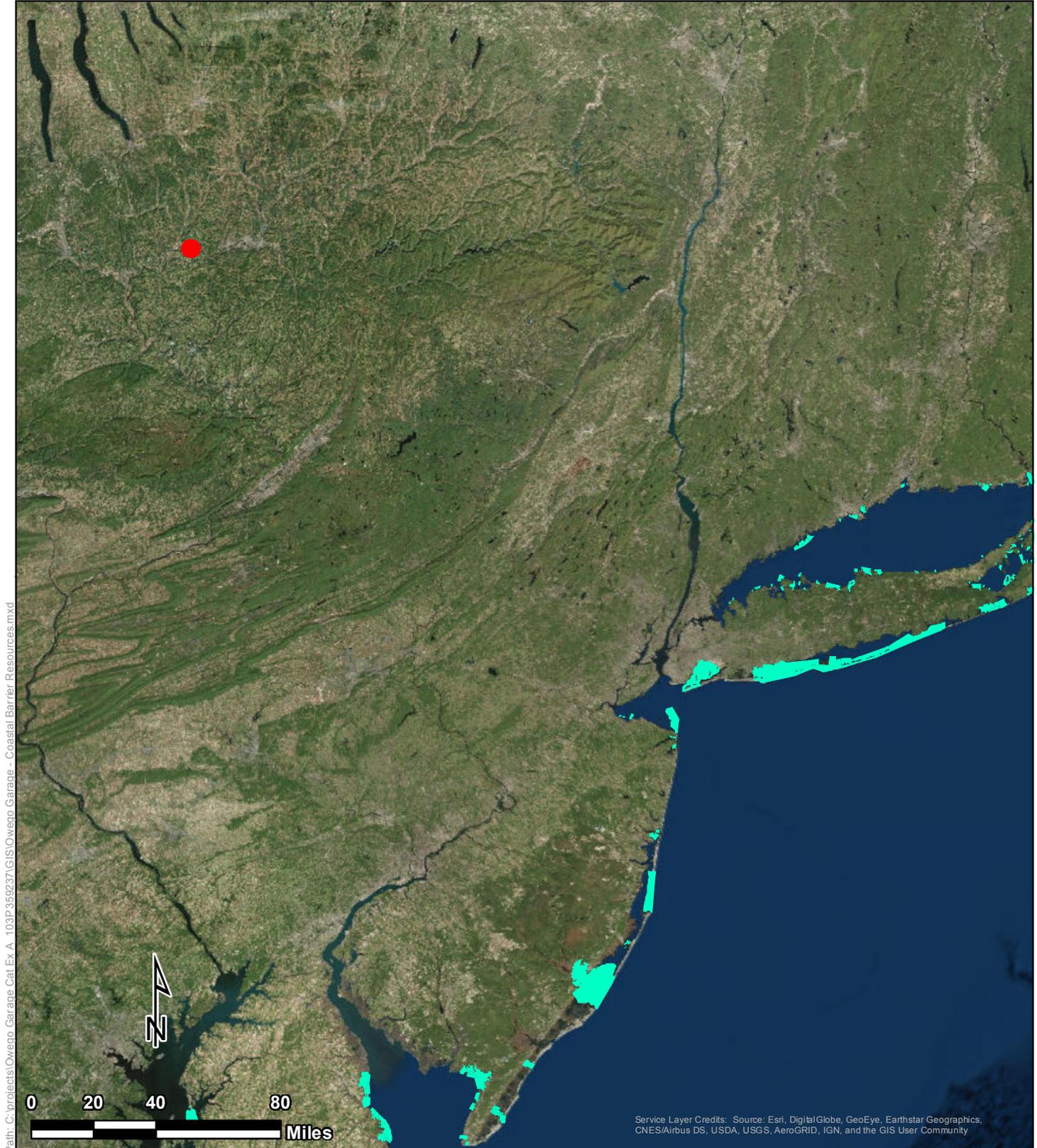
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- Legend**
- Airports**
- Public Use
 - Private Use
 - Project Location
 - 2,500-Foot Project Site Buffer
 - 15,000-Foot Project Site Buffer
 - 15-Mile Project Site Buffer

Airports

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York





Coastal Barrier Resources

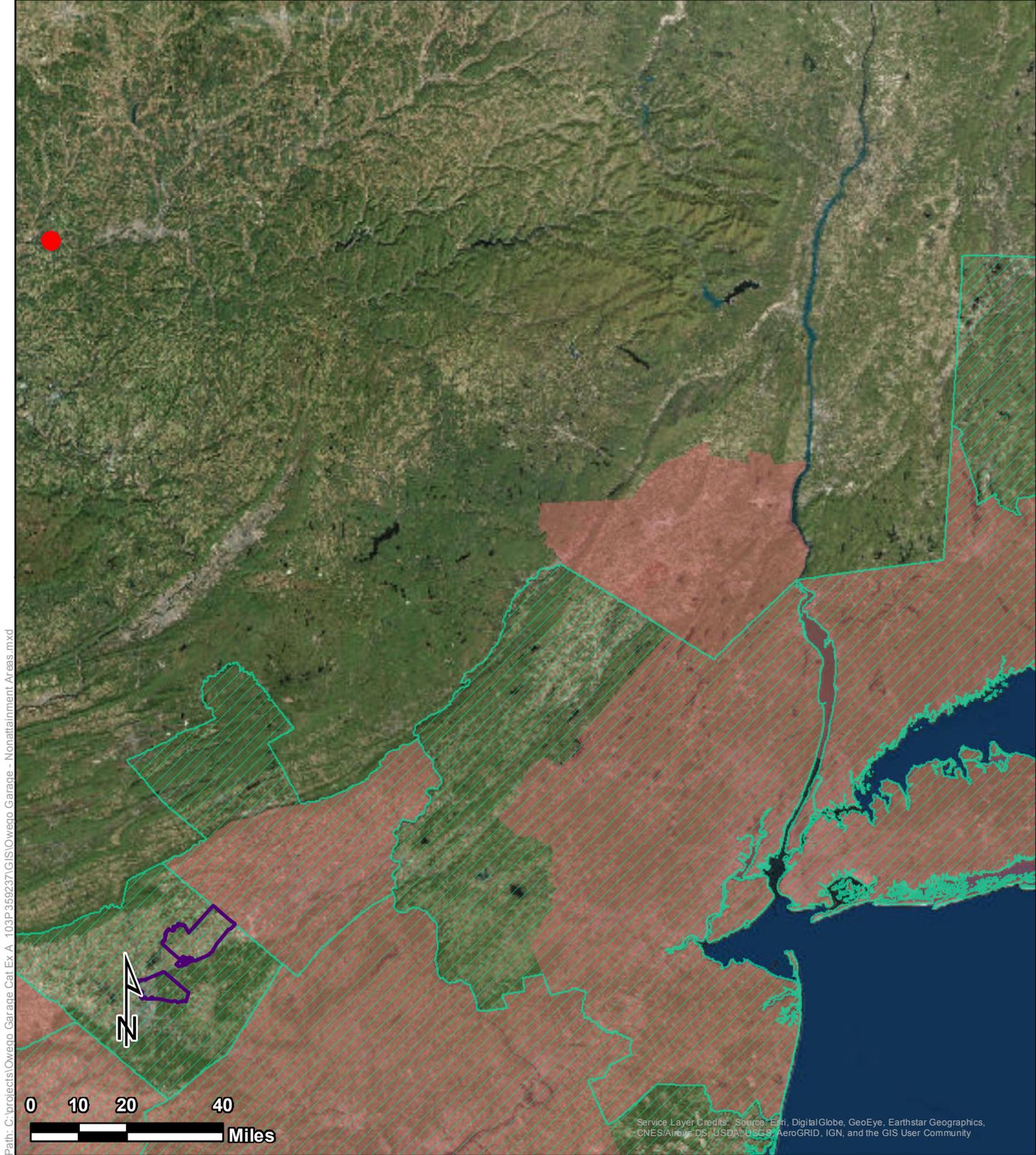
Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

Legend

- Project Location
- CBRS Polygons



Tetra Tech, Inc



Legend

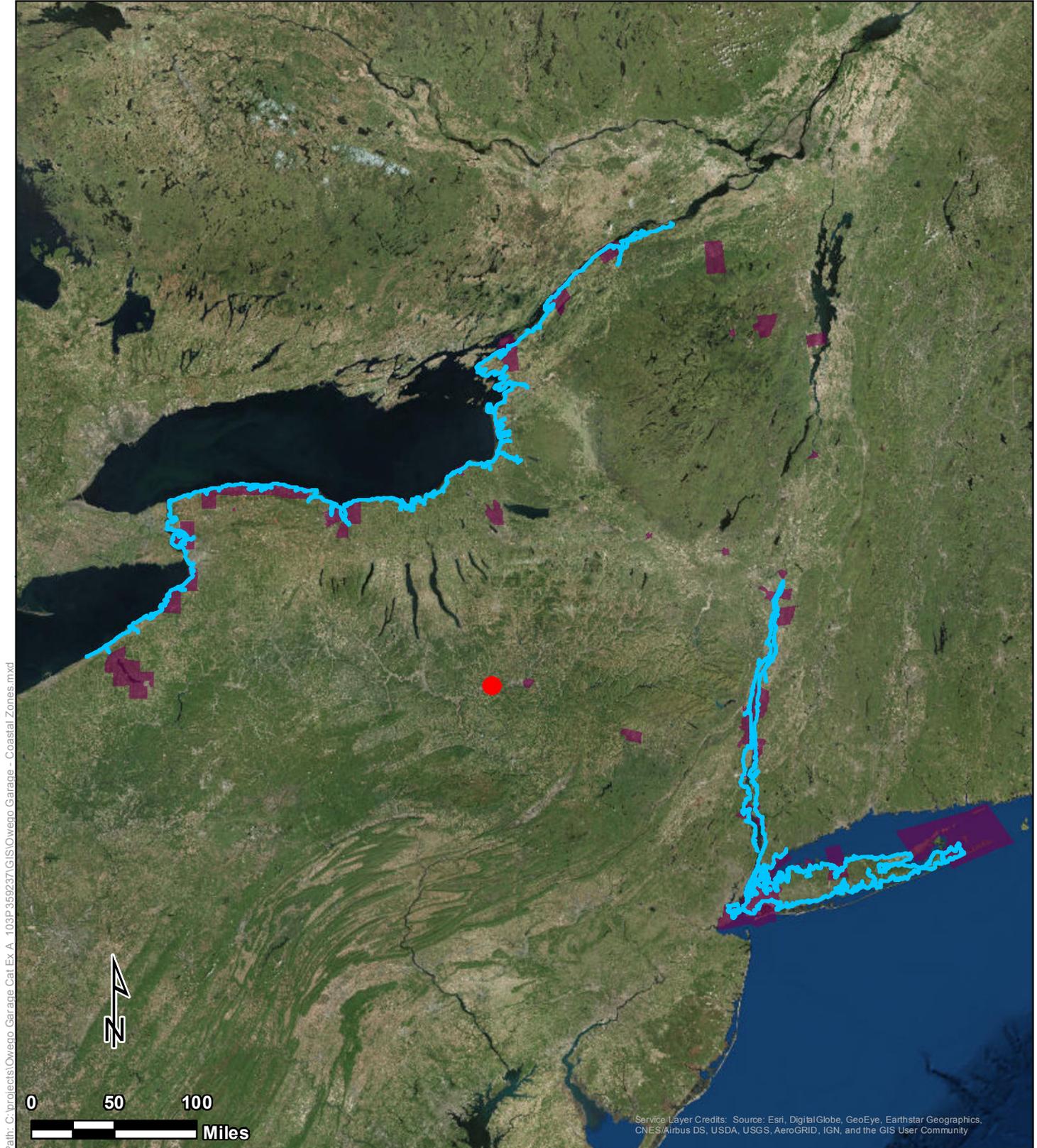
- Project Location
- Pb NAA 2008
- SO2 2010 Standard NAA
- Ozone 8hr 2008 Standard NAA
- PM25 2006 Standard NAA

Nonattainment Areas

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York



Tetra Tech, Inc



Coastal Zones

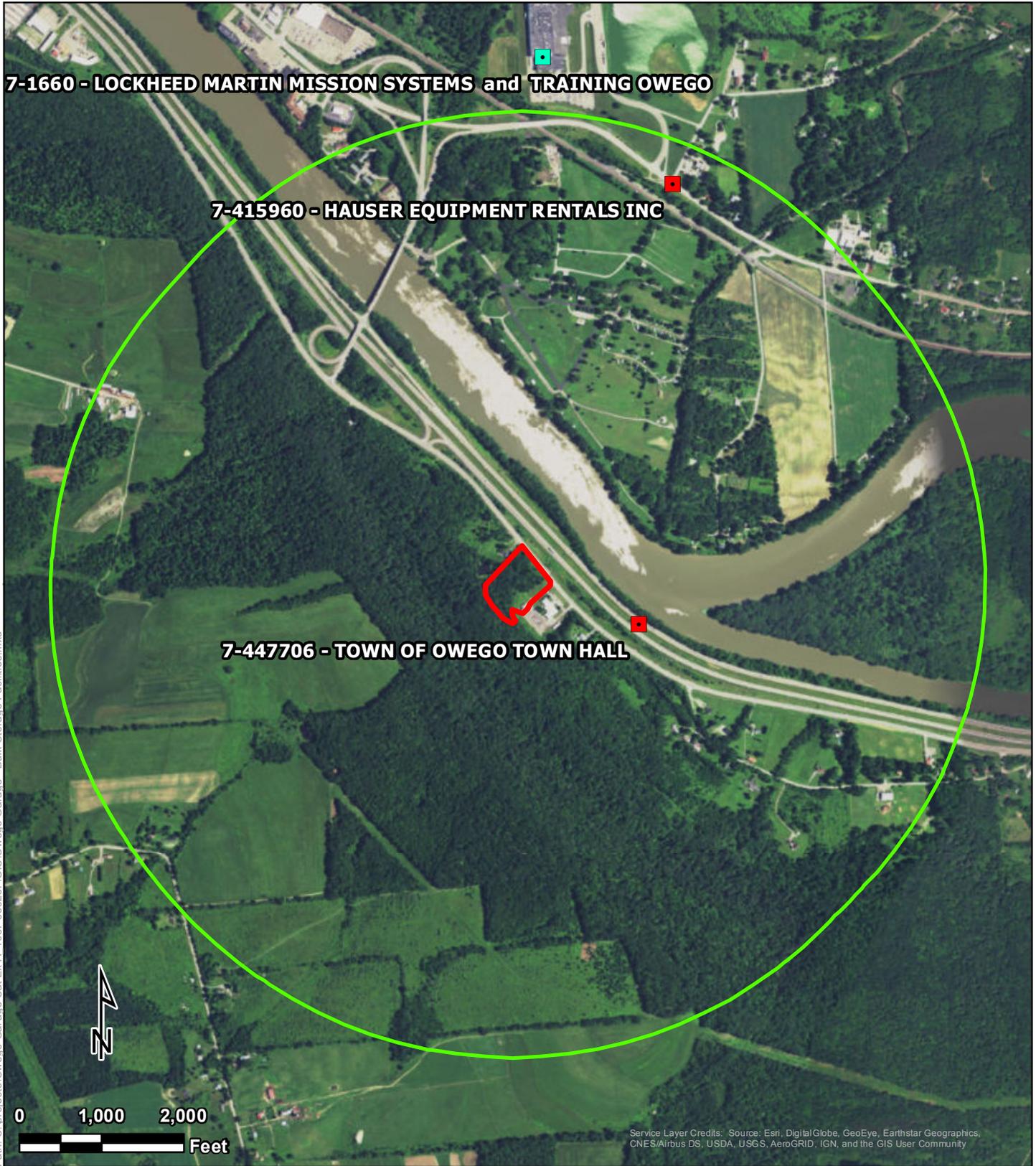
Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

Legend

- Landward Coastal Boundary
- Project Location
- LWRP Communities



Tetra Tech, Inc



Path: C:\projects\Owego Garage Cat Ex A - 103P\359237\GIS\Owego Garage - Bulk Storage Facilities.mxd

Legend

Bulk Storage Facilities

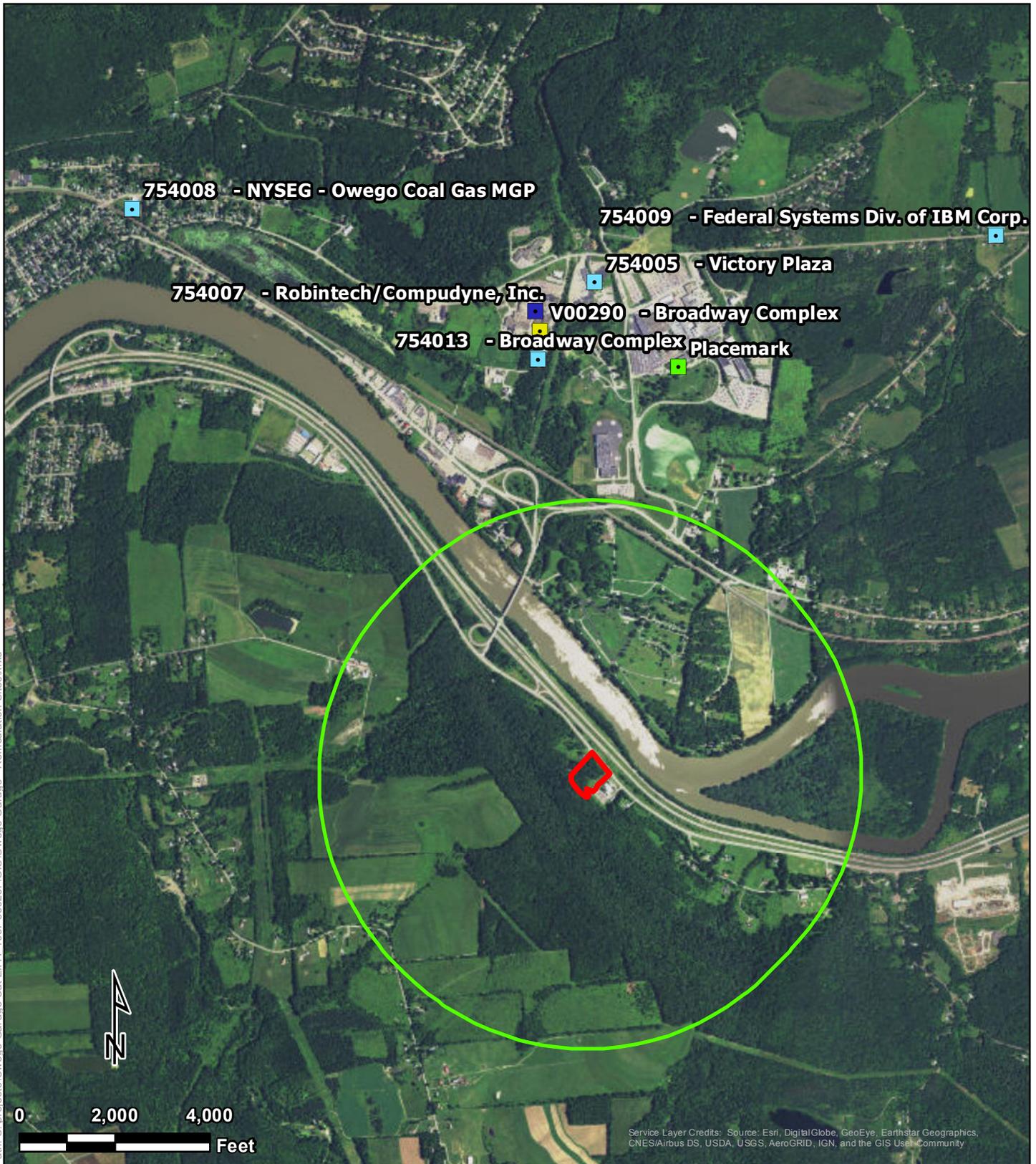
- Chemical Bulk Storage
- Major Oil Storage Facility
- Petroleum Bulk Storage
- Project Location
- One Mile Project Site Buffer

Bulk Storage Facilities

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York



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Path: C:\projects\Owego Garage Cat Ex A - 103P-359237\GIS\Owego Garage - Remediation_Sites.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

Remediation Sites

- Environmental Restoration Program
- Resource Conservation and Recovery
- State Superfund Program
- State Superfund Program
- Voluntary Cleanup Program

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

- Project Location
- One Mile Project Site Buffer



Tetra Tech, Inc

Remediation Sites



Path: C:\projects\Owego Garage Cat Ex A - 103P-359237\GIS\Owego Garage - Protected Soils.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

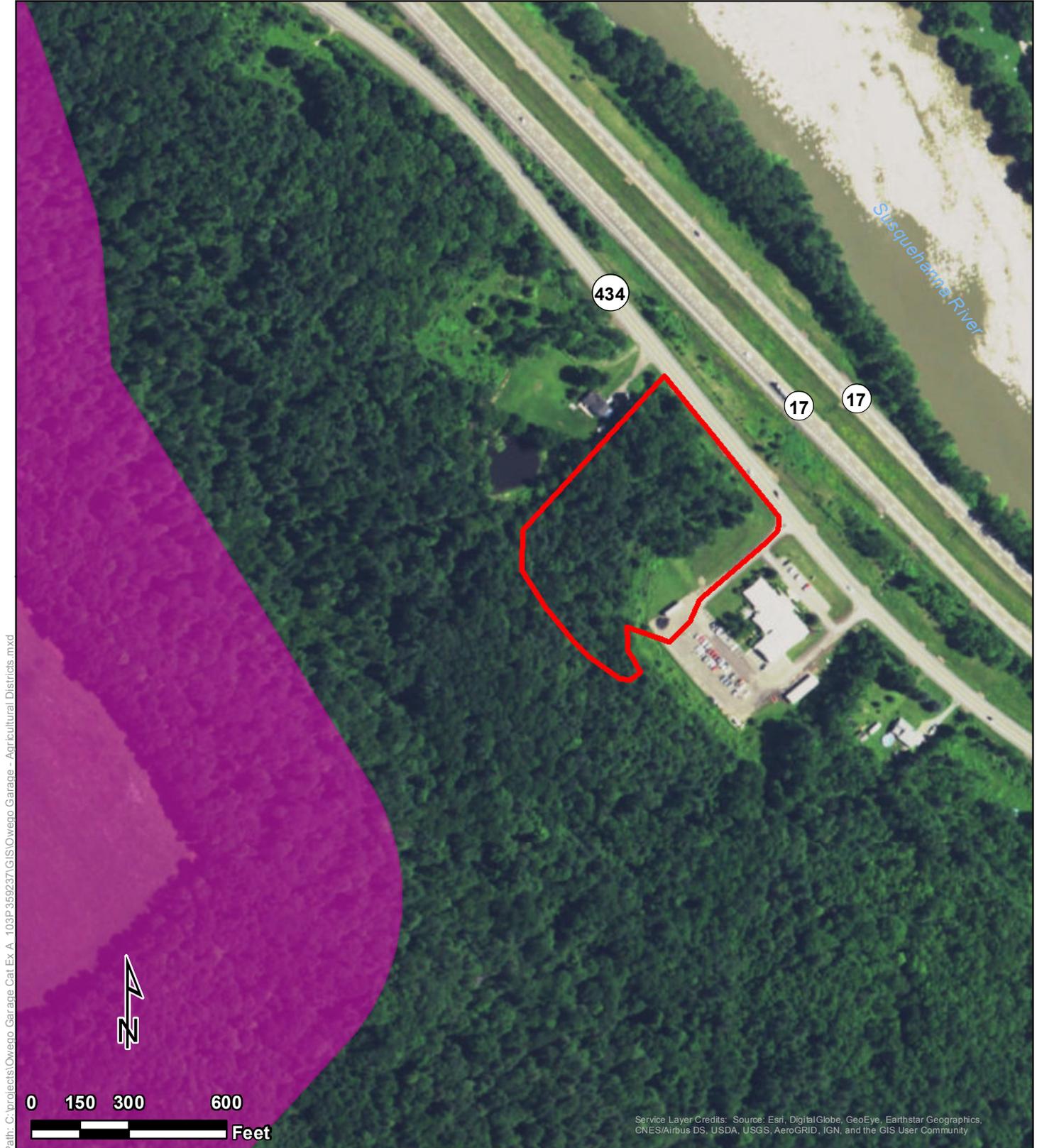
Legend

- Project Location
- All areas are prime farmland
- Farmland of statewide importance
- Prime farmland if drained

Protected Soils

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York





Agricultural Districts

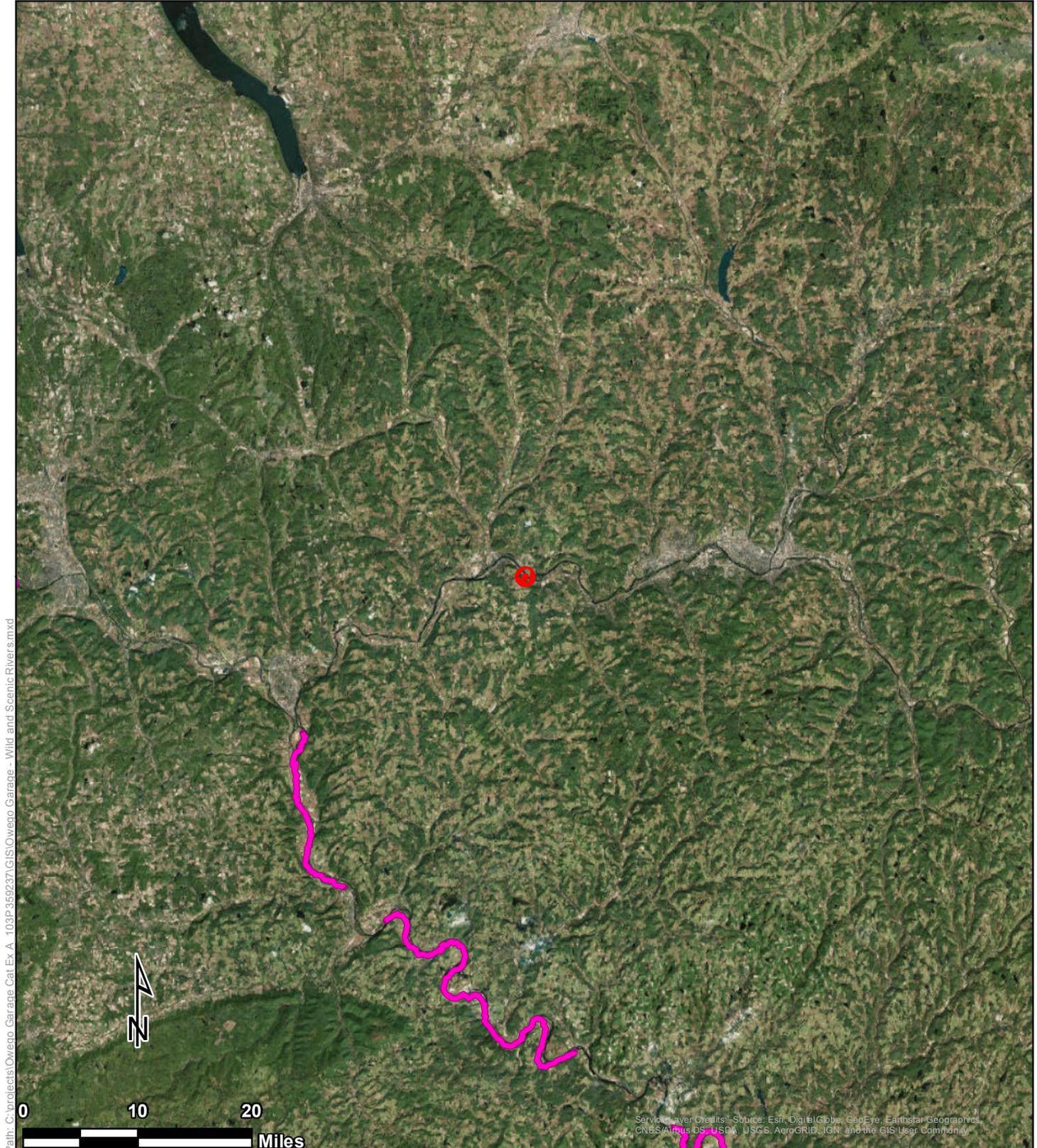
Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

Legend

- Project Location
- NYS Agricultural Districts 500ft Buffer



Tetra Tech, Inc



Path: C:\projects\Owego Garage Cat Ex A - 103P-359237\GIS\Owego Garage - Wild and Scenic Rivers.mxd

Wild and Scenic Rivers

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

- Legend**
- Project Location
 - Wild and Scenic Rivers



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Resource Mapper Base Map: Topographical

Search

Tools

Layers and Legend

- Unique Geological Features
- Waterbody Classifications for Rivers/Streams
- Waterbody Classifications for Lakes
- State Regulated Freshwater Wetlands
- State Regulated Wetland Checkzone
- Significant Natural Communities
- Natural Communities Near This Location
- Rare Plants and Rare Animals

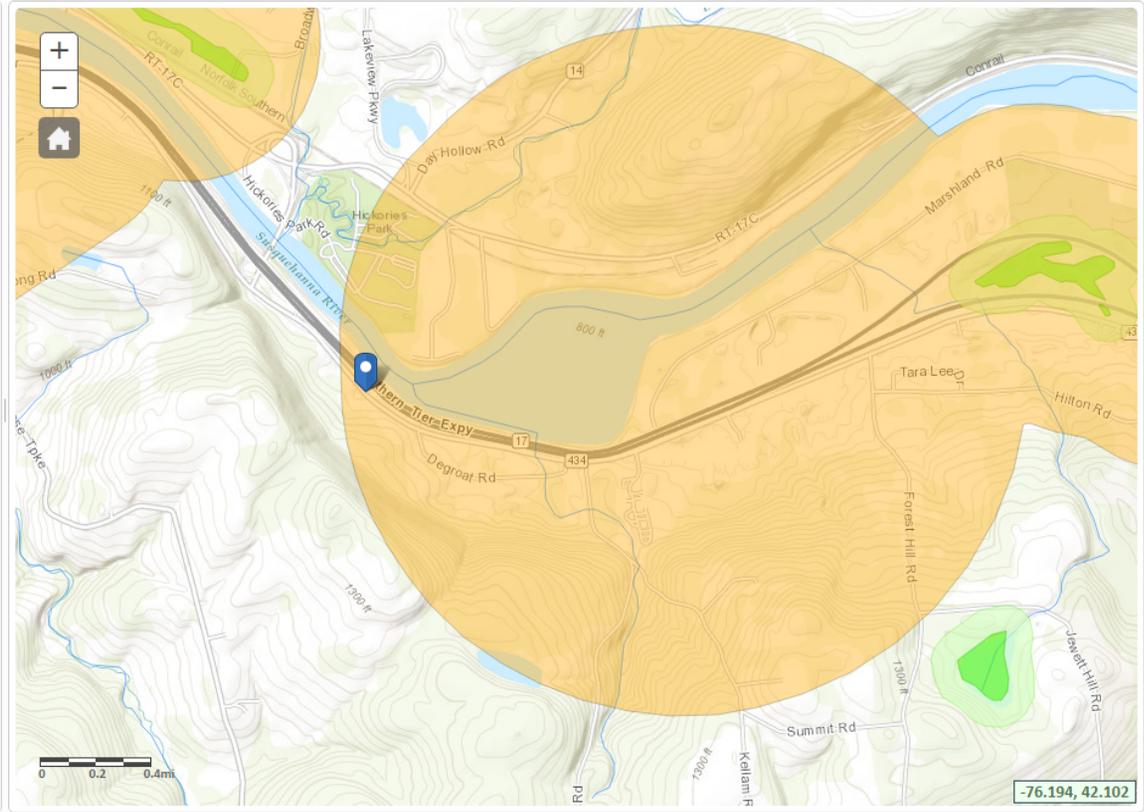
Other Wetland Layers

Reference Layers

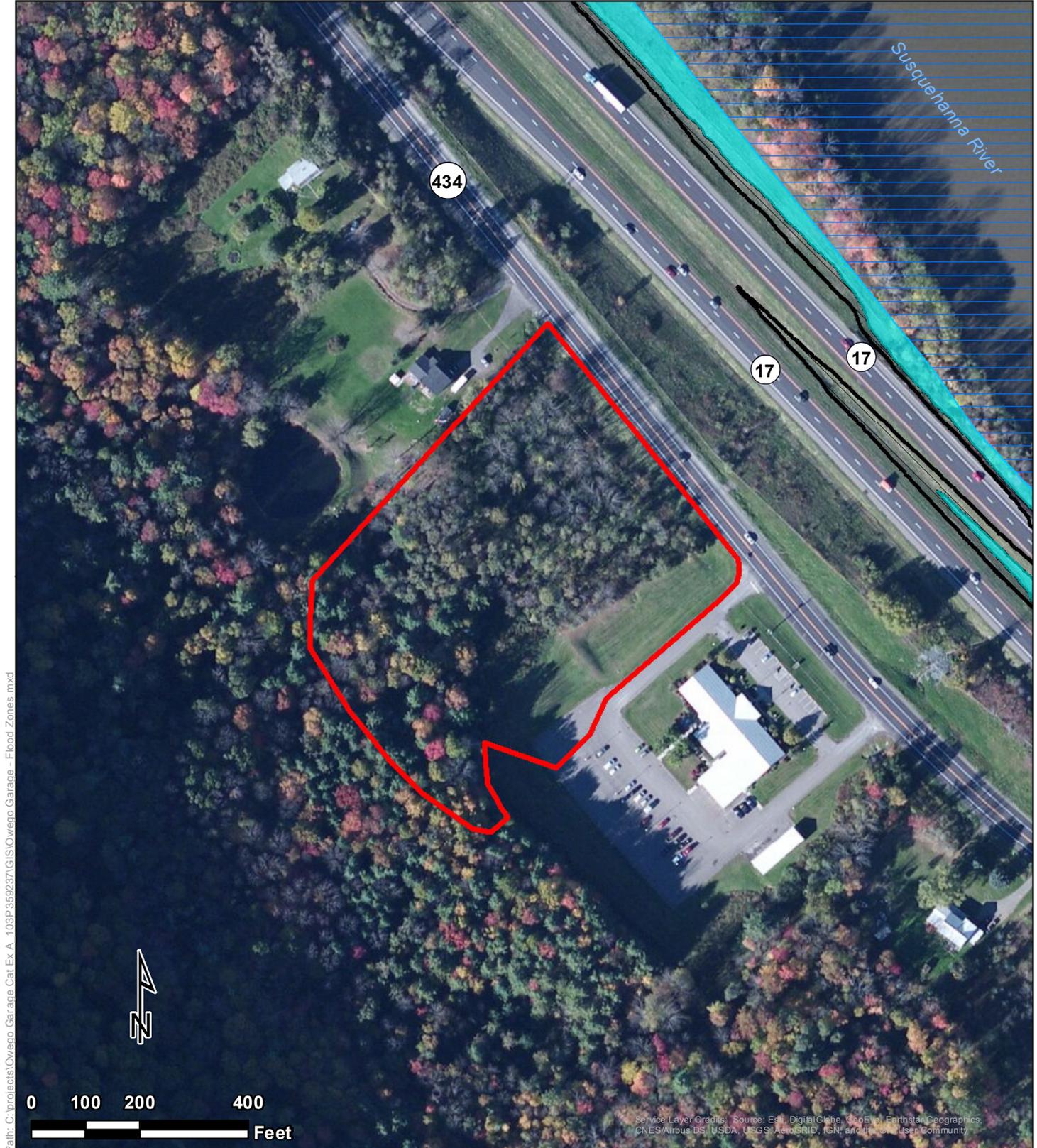
Tell Me More...

Need A Permit?

Contacts



Appendix B – Floodplains



Path: C:\projects\Owego Garage Cat Ex A - 103P-359237\GIS\Owego Garage - Flood Zones.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- Legend**
- Project Location
 - Flood Zones**
 - Zone AE- within the 1% annual chance flood
 - Zone A- within the 1% annual chance flood
 - Zone AE- floodway
 - Zone X- within the 0.2% annual chance of flood
 - Zone X- area of minimal flood hazard

Flood Zones

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3102. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NCS Information Services
NOAA, NINCS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was derived from digital orthophotography provided by the New York State Office of Cyber Security & Critical Infrastructure Coordination. This information was produced as one-foot and two-foot resolution natural color orthoimagery from photography dated April 2006.

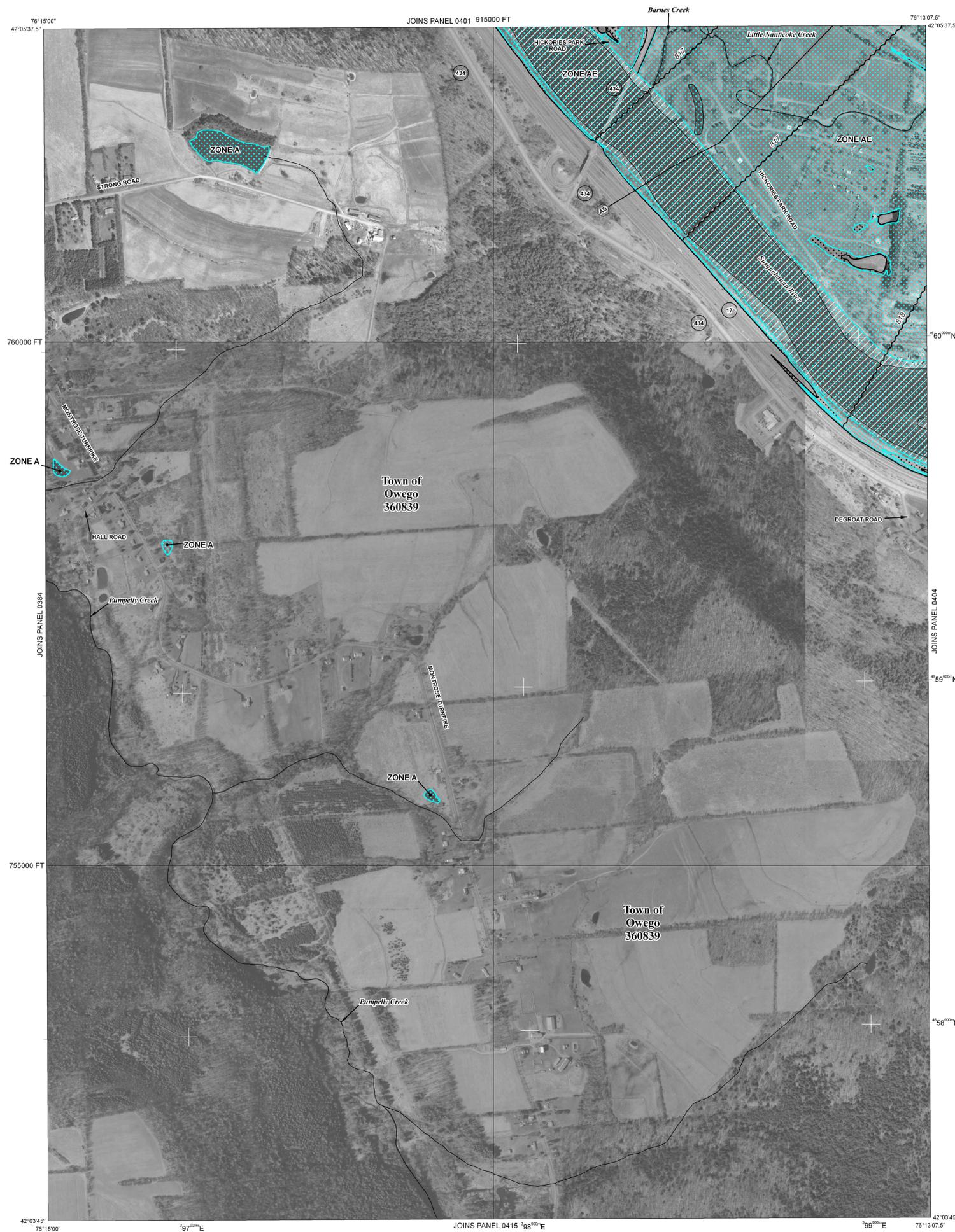
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM, visit the **Map Service Center (MSC)** website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfip>.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS
ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAs)

- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

- * Referenced to the North American Vertical Datum of 1988
- △ Cross section line
- Limited detail cross section line
- Transsect line
- 87°07'45", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1760000N 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT 5000-foot grid values: New York State Plane coordinate system, Central zone (FIPSZONE 3102), Transverse Mercator projection
- DX5510 x Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M 1.5 River Mile

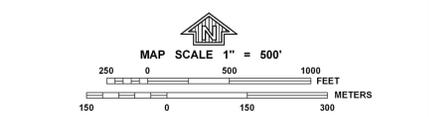
MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
April 17, 2012

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0403E

FIRM
FLOOD INSURANCE RATE MAP
for TIOGA COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
OWEGO, TOWN OF	360839

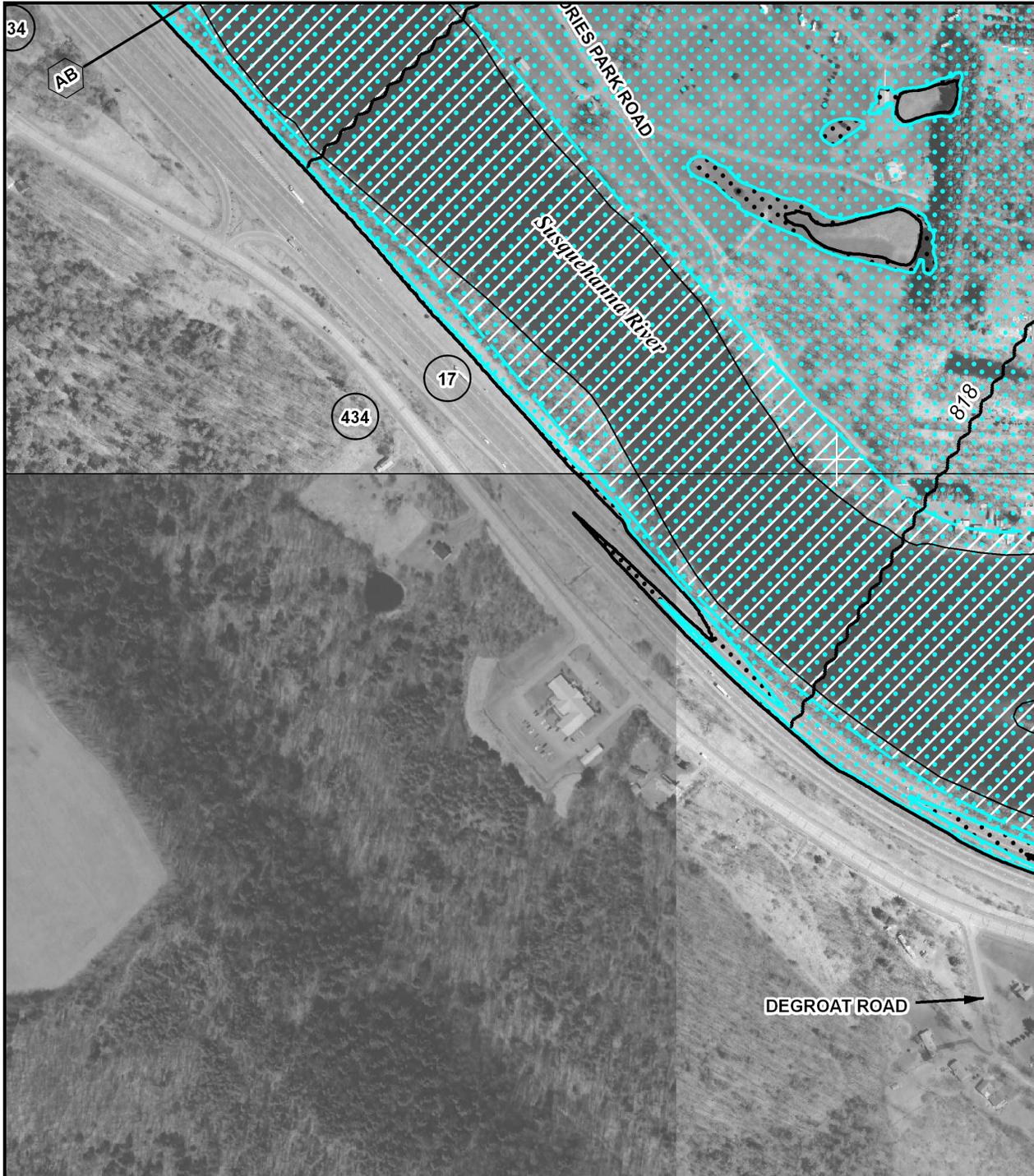
PANEL 403 OF 551
MAP SUFFIX: E
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

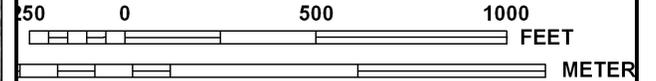
MAP NUMBER
36107C0403E

EFFECTIVE DATE
APRIL 17, 2012

Federal Emergency Management Agency



MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0403E

FIRM
FLOOD INSURANCE RATE MAP

for TIOGA COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>
OWEGO, TOWN OF	360839

PANEL 403 OF 551

MAP SUFFIX: E
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
36107C0403E

EFFECTIVE DATE
APRIL 17, 2012

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Appendix C – Phase I Environmental Site Assessment

**PHASE I
ENVIRONMENTAL SITE
ASSESSMENT**

FOR

**VACANT LOT
2354 ROUTE 434
APALACHIN, TIOGA COUNTY, NEW YORK**



January 2016

Prepared for:

**THE GOVERNOR'S OFFICE OF STORM
RECOVERY**

Prepared by:

FOIT-ALBERT ASSOCIATES
Architecture, Engineering and Surveying, P.C.

**435 New Karner Road
Albany, New York 12205**

LiRo Engineers, Inc.
3 Aerial Way
Syosset, New York 11791

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EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	2
1.1 Purpose	2
1.2 Detailed Scope of Services	2
1.3 Significant Assumptions	3
1.4 Limitations and Exceptions	3
1.5 Special Terms and Conditions	3
1.6 User Reliance.....	4
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EXECUTIVE SUMMARY

Foit-Albert Associates, Architecture, Engineering and Surveying, P.C. (Foit-Albert), under the direction of LiRo Engineers, Inc. (LiRo), has conducted a Phase I Environmental Site Assessment (ESA) of vacant property located adjacent to the northwest of the Owego Town Hall and police barracks at 2354 Route 434 in Apalachin, New York (Site). The Phase I ESA was prepared for the Governor's Office of Storm Recovery (GOSR) in accordance with the American Society for Testing and Materials (ASTM) Standards on Environmental Site Assessments for Commercial Real Estate - E 1527-05.

The Site is approximately four acres and is currently vacant wooded land on the south side of State Route 434. The parcel is generally rectangular in shape and is undeveloped. There is a stormwater drainage area and septic system located on the southeast perimeter of the Site. The stormwater drainage area appears to receive stormwater runoff from adjacent parking lot of Owego Town Hall. The Site is accessible from State Route 434. Minor amounts of trash and debris including plastic containers, paper and scraps of wood were observed on the Site. The property is reportedly owned by the Town of Owego.

Foit-Albert contracted with Environmental Data Resources (EDR) for the environmental database report, which includes standard and supplemental federal and state environmental database information to identify sites and activities within a designated radius of the property. The Site was not listed on any of the databases searched by EDR. No petroleum-related staining or stressed vegetation was observed during the Site reconnaissance. No recognized environmental conditions (RECs) were identified at the time of Site reconnaissance.

One (1) federally-regulated site and two (2) state-regulated facilities were identified by EDR within one (1) mile of the property. Based on the Site reconnaissance and the review of 2013 Apalachin, New York, United States Geologic Survey (USGS) Topographic Map of the area, it is unlikely that groundwater contaminant migration from the listed facilities will migrate towards the subject property.

A review of historical information was conducted to determine if past uses of this property indicated the presence of RECs. The review of historical information indicates that the Site was undeveloped since at least 1901, and therefore does not suggest the presence of any RECs.

Freedom of Information Law (FOIL) requests have been submitted to the New York State Department of Environmental Conservation (NYSDEC), the United States Environmental Protection Agency (USEPA), the Apalachin Fire Department and the Tioga County Department of Health. As of the date of this report, no responses have been received. If future correspondence reveals any information concerning RECs not previously reported, an addendum to this report will be prepared.

Based on the information gathered as part of this Phase I ESA, no RECs have been identified in connection with the Site.

Although not defined as a REC, the following is a list of potential environmental concerns at the Site that may impact subsurface conditions:

- The onsite drainage area appears to receive stormwater runoff from the adjacent Owego Town Hall. We do not believe that this is environmentally significant to the Site.

1.0 INTRODUCTION

1.1 Purpose

Foit-Albert Associates, Architecture, Engineering and Surveying, P.C. (Foit-Albert) and LiRo Engineers, Inc. (LiRo) were retained by the Governor's Office of Storm Recovery (GOSR) to prepare a Phase I Environmental Site Assessment (ESA) for the vacant property located adjacent to the northwest of the Owego Town Hall and police barracks at 2354 Route 434 in Apalachin, New York (Site). This Phase I ESA was prepared in accordance with the standard developed by the American Society for Testing and Materials (ASTM) entitled "*E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*". This Phase I ESA was prepared for the Site to determine if any recognized environmental conditions (RECs) are associated with the property.

A REC is defined by ASTM E 1527-05 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property." This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability, according to ASTM E 1527-05.

1.2 Detailed Scope of Services

This Phase I ESA consists of the following four tasks:

- Records review;
- Site reconnaissance;
- Interviews; and
- Report preparation.

Records Review – A review of the public records for the Site and the immediate vicinity was conducted to characterize environmental features of the Site and to identify past and present land use activities, on or in the vicinity of the Site, which may indicate the potential for the presence of RECs. The review of the public records included:

- Examination of reasonably ascertainable public records which are practically reviewable and made available to LiRo/Foit-Albert by regulatory personnel regarding past, present and pending enforcement actions and investigations at the Site and within the immediate vicinity.
- Examination of readily available aerial photographs, Sanborn fire insurance maps, city directories, and topographic maps of the Site and vicinity for evidence suggesting past uses that might have involved hazardous substances or petroleum products. The extent of the review of these resources was limited to information that was practically reviewable within the time and feasibility constraints of this Phase I ESA.

Site Reconnaissance - A Site reconnaissance was performed to identify visual signs of current and/or historical contamination on or adjacent to the Site, and to evaluate if any evidence of hazardous substances or petroleum product use existed based on the results of the records review. The Site reconnaissance included the following activities:

- A visual reconnaissance of the Site and adjacent properties was performed to observe signs of hazardous substance and/or petroleum spills, stressed vegetation, buried waste, underground storage tanks (USTs), above-ground storage tanks (ASTs), subsidence, transformers and any

unusual soil discoloration which may indicate the possible presence of contaminants on the subject property.

- A walk-through was conducted of the periphery of the property.
- Photographs of the Site were taken to document the current use and condition of the property and any significant observations such as unusually discolored soil, stressed vegetation, or other significant features associated with the property.

Interviews - Where possible, interviews were conducted with appropriate local authorities to consider any local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties. In addition, the current property owner was interviewed regarding their knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties.

Report Preparation – This task includes the evaluation of the environmental database report, Site reconnaissance and the Site personnel interviews.

1.3 Significant Assumptions

This Phase I ESA is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred that could not be identified. The conclusions and recommendations regarding environmental conditions that are presented in this report are based on a scope of work authorized by the Client. Note, however, that virtually no scope of work, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

1.4 Limitations and Exceptions

This report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM E 1527-05, and contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report. All information was derived from “practically-reviewable”; “reasonably-ascertainable” sources in general compliance with the guidelines set forth by the ASTM E 1527-05.

Findings are limited to conditions observed at the time of the Site reconnaissance and may not represent conditions at a later date. The review of public records was limited to that information that was available to LiRo/Foit-Albert at the time this report was prepared. Due to the nature of obtaining reference material used in conducting the due diligence, photocopied documentation of resources may be limited. Interviews with appropriate authorities and persons familiar with the Site were limited to the people LiRo/Foit-Albert were reasonably able to contact during the preparation of this report.

1.5 Special Terms and Conditions

This report is provided for the sole use of the GOSR and other parties, including the lender(s), its successors or assigns, who are involved in the current real estate transaction for the subject property. Use of this report by any third parties will be at such party's sole risk and LiRo/Foit-Albert disclaims liability for any use or reliance by third parties.

1.6 User Reliance

The GOSR may request additional reports, naming another party or parties, as addressee(s) or otherwise entitling the party or parties to rely on the report in writing. Any addressees used and reliance on the report will be subject to the same rights, obligations, and limitations contained in our Agreement for Services Form. However, the total liability of LiRo/Foit-Albert to all addressees of this Phase I ESA shall be limited to the remedies and amounts as provided in the Agreement for Services Form as a single contract.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site is comprised of one vacant lot located on State Route 434 in Apalachin, New York. The Site is reportedly owned by the Town of Owego and is located in the Highway Business Zoning District. The Site is identified in the Tioga County, New York Property Services Tax Records as Tax ID 140.00-1-30. The Deed information did not include a legal description. The approximate location of the Site is depicted on Figure 1.

2.2 Site and Vicinity General Characteristics

The Site is comprised of one lot located along the southern side of State Route 434, adjacent to the northwest portion of Owego Town Hall and police barracks. The parcel is generally rectangular in shape and undeveloped. The Site is accessible from State Route 434. Photographs taken during the Site reconnaissance are provided in Appendix A.

2.3 Current Property Use

The Site is currently a vacant, undeveloped lot.

2.4 Description of Site Features

Entry to the Site was obtained via State Route 434 and the driveway located adjacent to the south of the Site. The Site is undeveloped and ground coverage of the property was primarily composed of trees, short grass, moss, and bushes. Some minor amounts of debris and trash were observed on the Site during the Site reconnaissance and shown in the Site photographs (Appendix A).

The vegetation on and around the Site appeared to be healthy and abundant, showing no obvious signs of distress during the Site reconnaissance.

2.5 CURRENT USE OF ADJACENT PROPERTIES

Northwest: Residential properties are located adjacent to the northwest of the Site.

Northeast: State Route 434 and Route 17 border the northeast boundary of the Site.

Southwest: The Site is bound by undeveloped parcels to the southwest of the Site.

Southeast: The Owego Town Hall, police barracks, and a parking area are located the southeast of the Site.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

Title records and/or deeds were not provided at the time this Phase I ESA was prepared.

3.2 Environmental Liens or Activity and Use Limitations

No information was provided regarding liens or usage limitations in regards to the subject property at the time this Phase I ESA was prepared.

3.3 Specialized Knowledge

No information containing specialized knowledge of the property was provided at the time this Phase I ESA was prepared.

3.4 Valuation Reduction for Environmental Issues

At the time this report was prepared, there was no information provided regarding circumstances indicating reduced property valuation of the Site.

3.5 Owner, Property Manager and Occupant Information

The individual parcel is owned by the Town of Owego. Mr. Donald Castellucci, Town Supervisor and Mr. Dean Morgan, Deputy Supervisor, were both interviewed as part of this Phase I ESA.

3.6 Reason for Performing Phase I ESA

A Phase I Environmental Site Assessment is typically conducted for commercial real estate transactions to determine if petroleum products and contamination, which fall within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), are present. This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability, according to ASTM E 1527-05. It is the understanding of LiRo/Foit-Albert that a new 24,000 square foot shared municipal services building will be constructed on the Site.

4.0 RECORDS REVIEW

4.1 Standard Environmental Records Sources

The ASTM E 1527-05 standard provides guidelines regarding the minimum search distance for each database. The following tables list facilities that were identified within this search radius of the databases. An abridged copy of the EDR database search has been included in Appendix B. Please, note that if a facility is listed in a database with a one (1) mile designated radius and is listed in an additional databases with a smaller search radii then the facility will also be listed in those databases. The following is a summary of the finding of the database review.

Federal and State List	Site Appears on List	Approximate Minimum Search Distance	Number of Properties Listed
RCRA-conditionally exempt small quantity generators (cesq)	No	0.25 mile	1
US eng controls	No	0.25 mile	1
Federal RCRA Corrective Action Activity (CORRACTS)	No	1 mile	1
US inst controls	No	0.25 mile	1
US fin assur	No	0.25 mile	1
State and Tribal Leaking Storage Tank Lists (LTANKS)	No	0.5 mile	1
Records of Emergency Release Reports (NY Spills)	No	0.125 mile	1
State and Tribal Registered Storage Tank Lists (UST)	No	0.25 mile	1
2020 Federal Corrective Action	No	1 mile	1
Final assurance and manifest database	No	0.25 mile	1

4.1.1 Standard Federal Database Search

The following federally regulated facility was identified within the ASTM search radius of the Site.

Listing of Standard Federally Regulated Facilities				
Facility Name	Location	Distance	Direction/Gradient	Details
Lockheed Martin – Former IBM Owego Facility	1801 State Route 17C Owego, NY	0.705 mi	Northeast/Downgradient	This facility is listed on the CORRACTS, RCRA-TSDF, RCRA-CESQG, US Eng Controls, US Inst Control, US FIN Assur, 2020 Corrective Action, Financial Assurance and Manifest databases. This facility is located to the north of the Susquehanna River approximately 0.7 mile down gradient from the Site.

4.1.2 Standard State Database Search

The following two (2) state regulated facilities were identified within the ASTM search radius of the Site.

Listing of Standard State Regulated Facilities				
Facility Name	Location	Distance	Direction/ Gradient	Details
Town of Owego Town Hall	2354 State Route 434 Owego, NY (adjacent to the southeast of the Site)	500 feet	Southeast/ Crossgradient	This facility is listed on the UST and NY Spills databases. One 2,000 gallon gasoline UST was removed from the property in October 2000. Petroleum contaminated soil and water was observed and removed during the time of the tank excavation. The incident (NYSDEC Spill #0065027) was closed on July 24, 2001. The NYSDEC Spill Record is attached in Appendix B.
Kary Talbott Residence	2224 State Route 434 Owego, NY	500 feet	Northwest/ Crossgradient	This property is listed on the LTANKS database. The incident (NYSDEC Spill #0207301) was recorded on October 11, 2002. Approximately 250 gallons of #2 fuel oil from an AST was released in the basement. The #2 fuel oil was pumped and siphoned out. The spill was contained, remediated, and subsequently closed on September 30, 2003. .

4.1.3 Supplemental Database Search

Supplemental state and federal databases were reviewed within the search radius of the property. There were no additional state or federally regulated facilities identified within the ASTM search radius of the Site.

4.2 Additional Environmental Records Sources

Freedom of Information Law (FOIL) requests were submitted to the NYSDEC, United States Environmental Protection Agency (USEPA), the Apalachin Fire Department, and the Tioga County Department of Health. Copies of these letters are included in Appendix D.

Responses to the FOIL requests have not yet been received. If future correspondence reveals information concerning RECs not previously reported, an addendum to this report will be prepared and issued to the GOSR.

4.3 Physical Setting Sources

4.3.1 USGS 7.5 Minute Topographic Quadrangle Map

The Site's topography is depicted on the 2013 Apalachin, NY USGS 7.5 Minute Topographic Quadrangle Map (Figure 2). The Site is situated on a mildly sloped tract of land along two highways in Apalachin, New York. Elevation of the property is approximately 850 feet above mean sea level (AMSL). Overland drainage would tend to follow natural contours to the northeast towards the Susquehanna River.

4.3.2 Wetland Maps

United States Fish and Wildlife Service National Wetlands Inventory (USFWS NWI) Maps and NYSDEC Freshwater Wetlands Inventory Maps were reviewed for the project area. According to the

USFWS NWI maps, there is one jurisdictional wetland located to the northwest of the Site. The NYSDEC maps did not indicate any State jurisdictional wetlands within or adjacent to the subject property. In addition, Shumaker Consulting Engineering and Land Surveying, DPC. (Shumaker) conducted a wetland screening and delineation of the Site. According to Shumacker's report dated December 17, 2015, no wetlands were identified as part of this assessment.

4.3.3 USDA Soil Survey

- According to the USDA Natural Resources Conservation Service Web Soil Survey for Tioga County, New York, numerous soils are identified across the Site. Soil classifications are as follows Red Hook (Braceville) gravelly silt loam: This is described as soil with slow infiltration rates. Depth to seasonal high water table is listed at greater than 31 inches.
- Volusia channery silt loam: This is described as soil with slow infiltration rates. Depth to seasonal high water table is listed at greater than 18 inches.
- Unadilla silt loam: This is described as soil with moderate infiltration rates and coarse textures. Depth to seasonal high water table is listed at greater than zero inches.

4.3.4 Geologic Maps

New York State Geological Survey (NYSGS) Surficial Geology Maps and the United States Department of Agriculture (USDA) Natural Resources Conservation Service Soil Survey for Tioga County, New York were reviewed as part of this Phase I ESA. The geologic unit in the vicinity of the Site is known as the Upper Walton Formation of the Upper Devonian age. This formation is comprised of shale, sandstone, and siltstone.

4.3.5 Flood Insurance Maps

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate (FIRM) Maps for the Town of Apalachin, New York were reviewed as part of this Phase I ESA. According to FEMA FIRM map number 3608390015C, dated 2011, coverage of the property is listed as Zone X, indicating "Areas Determined to Be Outside of the 0.2% annual chance floodplain."

4.4 Historical Use Information on the Property

4.4.1 Aerial Photographs

Aerial photographs included in the EDR report were reviewed for the following years 1944, 1948, 1957, 1960, 1968, 1974, 1986, 1995, 2006, 2008, 2009, and 2011. Copies of the aerial photographs are included in Appendix C.

1944 Aerial Photograph

The Site is used for farming and is situated within an agricultural area of Apalachin, NY. Route 17 is not present.

1948 Aerial Photograph

Coverage of the Site and the surrounding area appear to be similar to that in the 1944 aerial photograph.

1957 Aerial Photograph

Coverage of the Site and the surrounding area appear to be similar to that in the 1948 aerial photograph.

1960 Aerial Photograph

Coverage of the Site and the surrounding area appear to be similar to that in the 1957 aerial photograph. One lane of Route 17 is under construction.

1968 Aerial Photograph

Coverage of the Site and the surrounding area appear to be similar to that in the 1968 aerial photograph. Both lanes of Route 17 are under construction

1974 Aerial Photograph

The Site is vacant and wooded.

1986 Aerial Photograph

Coverage of the Site and the surrounding area appear to be similar to that in the 1974 aerial photograph.

1995 Aerial Photograph

The Site is vacant and wooded and the drainage area on the southern side of the Site is present. The Owego Town Hall building to the southeast is also present.

2006 Aerial Photographs

Coverage of the Site and the surrounding area appear to be similar to that in the 1995 aerial photograph.

2008 Aerial Photographs

Coverage of the Site and the surrounding area appear to be similar to that in the 2006 aerial photograph.

2009 Aerial Photographs

Coverage of the Site and the surrounding area appear to be similar to that in the 2008 aerial photograph.

2011 Aerial Photographs

Coverage of the Site and the surrounding area appear to be similar to that in the 2009 aerial photograph.

4.4.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were not available for the Site.

4.4.3 City Directories

Property listings for 2354 Route 434 were reviewed through Cole Information Services for the years 1992, 1995, 1999, 2003, 2008, and 2013. The property was listed as vacant or belonging to the Town of Owego during the years listed above.

4.4.4 Fire Department Ordinance Files

A FOIL request submitted to Apalachin Fire Department has been included in Appendix D. A response from the Apalachin Fire Department was not received prior to the preparation of this report. If future

correspondence reveals any information indicating RECs not previously reported, an addendum to this report will be prepared and provided to the GOSR.

4.4.5 Historical Topographic Maps

Historical USGS topographic Maps were obtained from EDR for the years 1901, 1904, 1906, 1956, 1969, and 2013, and are presented in Appendix C. No environmentally significant observations were identified during the review of the historical topographic maps.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The Site reconnaissance was conducted on January 11, 2016. The Site was accessed from State Route 434 and the driveway and parking lot located adjacent to the southeast of the Site. The entire perimeter of the Site was walked during the Site inspection.

Adjacent properties and land use within one-half mile were observed while traveling accessible public roadways. Except for the limitations and exceptions discussed in Section 1.5, this Phase I ESA complies with the ASTM Standard 1527-05.

5.2 General Site Setting

5.2.1 Current Use (s) of the Property

The Site is undeveloped and ground coverage of the property was primarily composed of trees, short grass, moss, and bushes. There is a drainage area and septic system located on the southeast perimeter of the Site that is utilized by the Owego Town Hall facility and police barracks (Figure 3). The drainage area appears to receive stormwater runoff from the parking lot of the adjacent Owego Town Hall.

5.2.2 Past Use (s) of the Property

The Site is situated within a business district in Apalachin, NY. A review of historical data indicated that Site has remained vacant since at least 1901. According to the Town Supervisor Don Castellucci, the Site has never been developed. Mr. Castellucci also stated that the septic system located on the southeast portion of the Site was constructed in 1987 during the construction of the Town Hall facility. Lastly, Mr. Castellucci mentioned that the Site was acquired approximately 20 years ago during a foreclosure from the previous private owner.

5.2.3 Past Uses of Adjoining Properties

Historical aerial photographs, topographic maps and city directories were reviewed to identify the past and present uses of the properties surrounding the Site. Based on this review, the historical usage of the adjacent properties was primarily residential, except for the Owego Town Hall and police barracks building, which is located to the southeast of the Site.

5.2.4 Geologic, Hydrogeologic and Topographical Conditions

The USGS 7.5 Minute Topographic Quadrangle Map (Apalachin, New York, 2013) was reviewed as part of this Phase I ESA. The Site is situated on a sloping towards the northeast tract of land in Apalachin, New York. The elevation of the Site is approximately 850 feet above mean sea level (AMSL). The overland drainage would tend to follow natural contours to the northeast toward the Susquehanna River.

5.2.5 General Description of Roads and Structures

The Site is comprised of a four acre lot located along the southern side of State Route 434 and Route 17. The parcel is generally rectangular in shape and is undeveloped. The Site is accessible through State Route 434 and the driveway and parking lot located to the south of the Site. The property is reportedly owned by the Town of Owego.

5.3 Potable Water Supply and Sewage Disposal System

Public and private utilities were not observed on the Site during the Site reconnaissance. According to Mr. Castellucci, the septic system located on the southeast portion of the Site was installed in 1987 and services the Town Hall and police barracks building.

6.0 INTERVIEWS

6.1 Interview with the Site Owner

The Site is currently owned by the Town of Owego. Don Castellucci (Town Supervisor) and Dean Morgan (Deputy Supervisor) had no knowledge of any RECs associated with the Site.

6.2 Interview with the Site Manager

See "Interview with Owner."

6.3 Interviews with the Site Tenants

There are no tenants currently occupying the Site.

6.4 Interviews with the Local Government Officials

A FOIL request submitted to the Apalachin Fire Department and the Tioga County Department of Health has been included in Appendix D. Responses were not received prior to the preparation of this Phase I ESA. If future correspondence reveals any information indicating RECs not previously reported, an addendum to this report will be provided.

7.0 FINDINGS AND CONCLUSIONS

Based on the information gathered as part of this Phase I ESA, no RECs have been identified in connection with the Site.

Although not defined as a REC, the following is a list of potential environmental concerns at the Site that may impact subsurface conditions:

- The onsite drainage area appears to receive stormwater runoff from the adjacent Owego Town Hall. We do not believe that this is environmentally significant to the Site.

8.0 DEVIATIONS

Except for the limitations and exceptions discussed in Section 1.5, this Phase I ESA complies with the ASTM Standard E 1527-05.

9.0 ADDITIONAL INVESTIGATION

No additional investigation was conducted as part of this Phase I ESA, as per GOSR.

10.0 REFERENCES

The following documents, maps, or other publications may have been used in the preparation of this report.

- Tioga County GIS Map Portal - <http://git.co.tioga.ny.us/tiogacountygit/>
- Tioga County Property Tax Files - <http://imo.co.tioga.ny.us/>
- New York State USGS Topographic Maps
- United States Geological Survey, Surficial Geology Maps
- United States Department of Agriculture, Aerial Photographs
- United States Geological Survey, Topographic Quadrangle Maps
- United States Department of Agriculture, Soil Conservation Service, Soil Survey, Tioga County, NY
- United States Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory Map
- American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-05)
- Federal Emergency Management Agency, National Flood Insurance Program, Flood Insurance Maps
- Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (“CERCLA” or “Superfund”), as amended by Superfund Amendments and Reauthorization Act of 1986 (“SARA”)
- Resource Conservation and Recovery Act, as amended (“RCRA”), 42 U.S.C. §6901, et. seq.

11.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the subject *property*. I have developed and performed the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

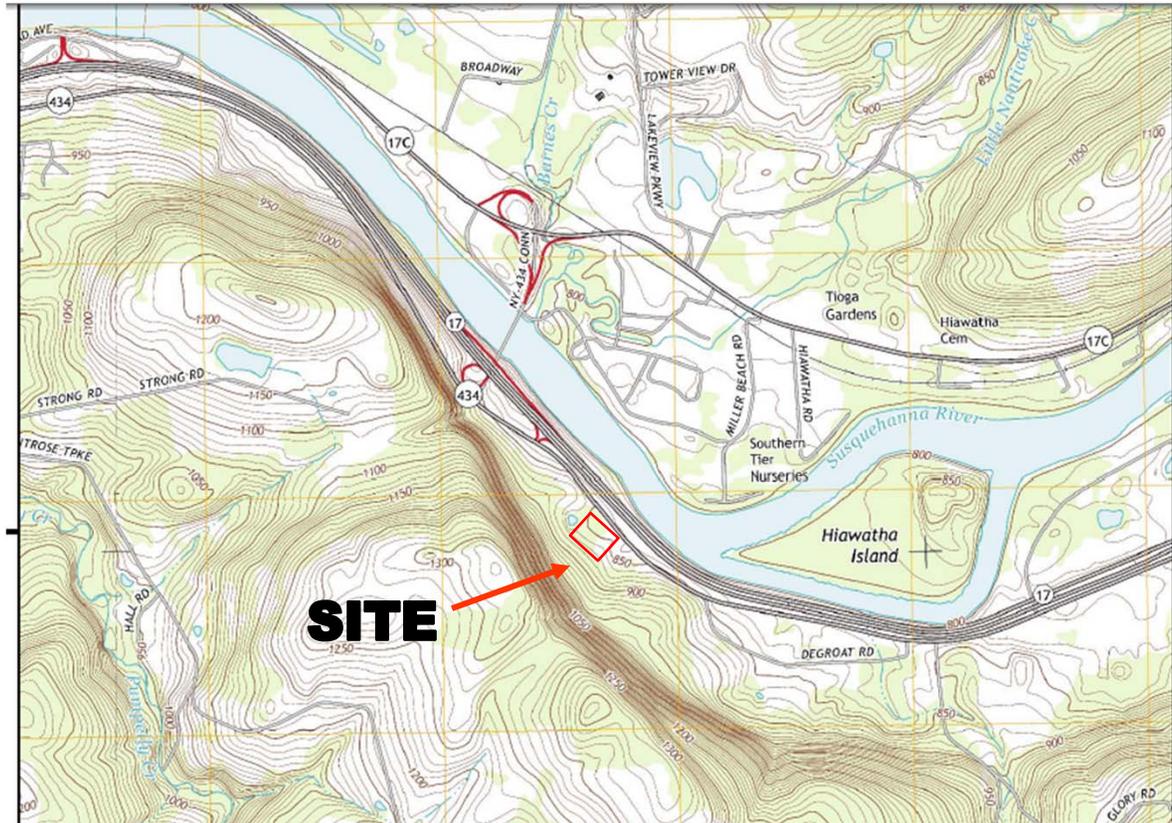


Georgeanna Nugent Lussier
Environmental Scientist

12.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The qualifications of the environmental professional(s) that prepared this Phase I ESA are provided in Appendix E.

FIGURE 2
SITE TOPOGRAPHIC MAP



Source:
2013 Apalachin, NY
7.5 Minute Series USGS Topographic Quadrangle Map



2354 State Route 434, Apalachin, New York 13732

FIGURE 3
SITE AERIAL PHOTOGRAPH



Legend:

- Aerial Imagery Source: Google Earth (dated May 2013)
- Site Boundary
- Approximate location of former 2,000 gallon UST



2354 State Route 434, Apalachin, New York 13732

Appendix A

Photo Log

01	
Photo facing northwest showing eastern side of Site.	02
Photo facing northeast showing the southwest side of the property.	

Appendix A

Photo Log

03	 <p>A photograph showing a stream flowing through a wooded area. The stream is surrounded by fallen branches, logs, and debris. The water is clear and reflects the surrounding trees. The scene is captured from a low angle, looking down the stream.</p>
Photo facing northwest showing standing water adjacent to roadway.	04
Photo facing southeast showing the northern portion of the Site and the Town of Owego Town Hall building in the background.	 <p>A photograph showing a grassy field with a yellow sign in the foreground. The sign is partially obscured by tall grass. In the background, there is a large, white building with a red roof, identified as the Town Hall building. The scene is captured from a low angle, looking across the field towards the building.</p>

Appendix A

Photo Log

05	
Photo facing northwest showing the northern portion of the Site and the residence located to the west of the Site.	

Appendix A

Photo Log

07

Photo facing south showing the Town Hall building and the stormwater drainage area.



08

Photo facing east showing the eastern perimeter of the Site, the stormwater drainage and septic tank area and the Town Hall.



Appendix A

Photo Log

09	
10	

[Services](#)[News](#)[Government](#)[Local](#)

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 7**Spill Number:** 0065027

Spill Date/Time

Spill Date: 05/17/2000 **Spill Time:** 09:00:00 AM**Call Received Date:** 05/17/2000 **Call Received Time:** 09:30:00 AM

Location

Spill Name: TOWN OF OWEGO - TOWN HALL**Address:** 2354 NY RT 434**City:** OWEGO **County:** Tioga

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Groundwater

Cause: Unknown**Source:** Institutional, Educational, Gov., Other**Waterbody:**

Record Close

Date Spill Closed: 07/24/2002

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

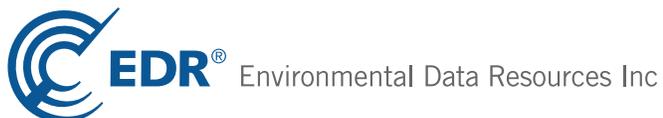
If you have questions about this reported incident, please contact the [Regional Office](#) where the incident occurred.

Owego DPW Parks and Utilities Office Relocation

2354 Route 434
Owego, NY 13827

Inquiry Number: 4506543.2s
January 06, 2016

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2354 ROUTE 434
OWEGO, NY 13827

COORDINATES

Latitude (North): 42.0841000 - 42° 5' 2.76"
Longitude (West): 76.2253000 - 76° 13' 31.08"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 398653.7
UTM Y (Meters): 4659626.5
Elevation: 848 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5937559 APALACHIN, NY
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20110511
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 2354 ROUTE 434
 OWEGO, NY 13827

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TOWN OF OWEGO TOWN H	2354 STATE RTE. 434	UST		TP
A2	TOWN OF OWEGO - TOWN	2354 NY RT 434	NY Spills		TP
3	KARY TALBOTT	2224 NY ROUTE 434	NY Spills	Higher	157, 0.030, North
4	LOCKHEED MARTIN - FO	1801 STATE RTE 17C	CORRACTS, RCRA-TSDF, RCRA-CESQG, US ENG CONTROLS	Lower	3722, 0.705, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TOWN OF OWEGO TOWN H 2354 STATE RTE. 434 OWEGO, NY 13827	UST	N/A
TOWN OF OWEGO - TOWN 2354 NY RT 434 OWEGO, NY	NY Spills Spill Number/Closed Date: 0065027 / 2002-07-24 spillNo: 0065027 Site ID: 96170	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

EXECUTIVE SUMMARY

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Inactive Hazardous Waste Disposal Sites in New York State
VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Facility Register

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
LTANKS..... Spills Information Database
HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
CBS..... Chemical Bulk Storage Site Listing
MOSF..... Major Oil Storage Facility Site Listing
AST..... Petroleum Bulk Storage
CBS AST..... Chemical Bulk Storage Database
MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

RES DECL..... Restrictive Declarations Listing
ENG CONTROLS..... Registry of Engineering Controls
INST CONTROL..... Registry of Institutional Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Agreements
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List
ERP..... Environmental Restoration Program Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Registered Recycling Facility List
SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register
DEL SHWS..... Delisted Registry Sites
US CDL..... Clandestine Drug Labs

Local Lists of Registered Storage Tanks

HIST UST..... Historical Petroleum Bulk Storage Database
HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS..... Spill Liens Information
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties

EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
AIRS.....	Air Emissions Data
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Registered Drycleaners
E DESIGNATION.....	E DESIGNATION SITE LISTING
Financial Assurance.....	Financial Assurance Information Listing
HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
MANIFEST.....	Facility and Manifest Data
SPDES.....	State Pollutant Discharge Elimination System
UIC.....	Underground Injection Control Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/09/2015 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOCKHEED MARTIN - FO	1801 STATE RTE 17C	NNE 1/2 - 1 (0.705 mi.)	4	12

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/16/2015 has revealed that there is 1 NY Spills site within approximately 0.125 miles of the target property.

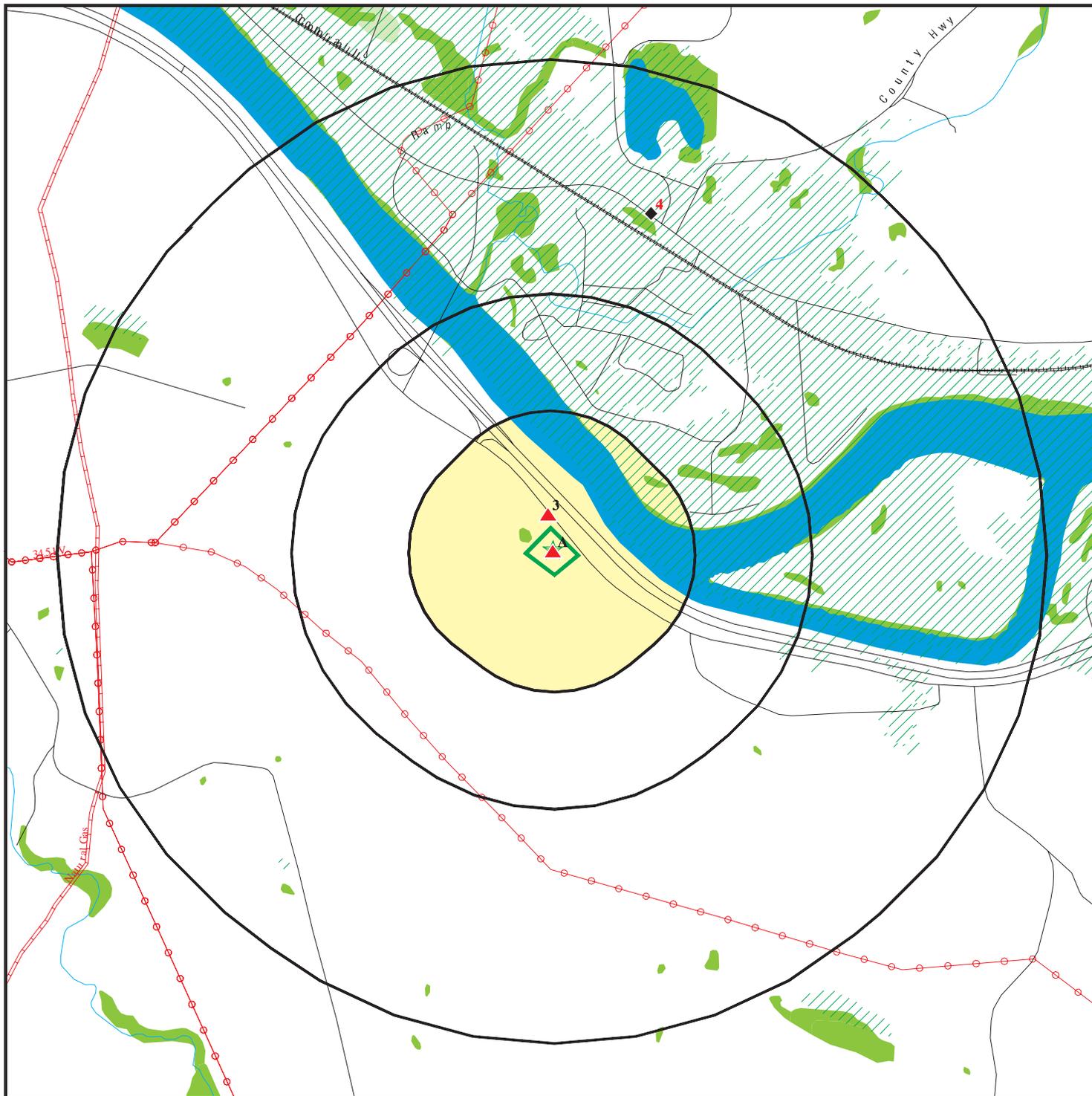
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KARY TALBOTT Spill Number/Closed Date: 0207301 / 2003-09-30 spillno: 0207301 Site ID: 86342	2224 NY ROUTE 434	N 0 - 1/8 (0.030 mi.)	3	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
KRISSEL SUNOCO	LTANKS, NY Spills
ROUTE 434	LTANKS
TERPENING TRUCKING	LTANKS

OVERVIEW MAP - 4506543.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

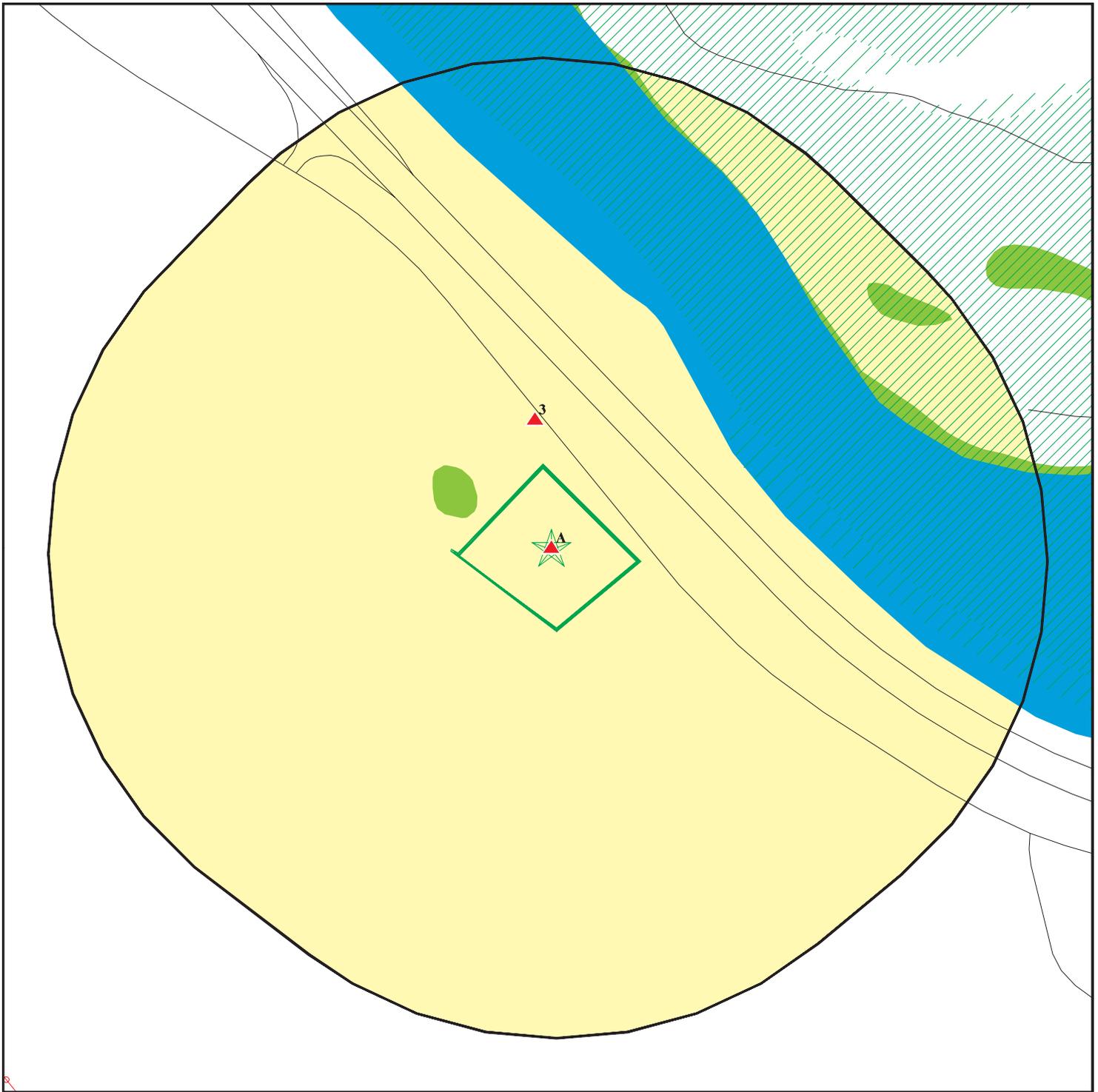
- 
-  Indian Reservations BIA
-  Power transmission lines
-  Pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

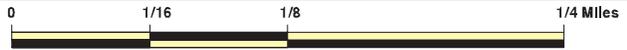
SITE NAME: Owego DPW Parks and Utilities Office Relocation
 ADDRESS: 2354 Route 434
 Owego NY 13827
 LAT/LONG: 42.0841 / 76.2253

CLIENT: Foit-Albert Associates
 CONTACT: Georgie Nugent Lussier
 INQUIRY #: 4506543.2s
 DATE: January 06, 2016 5:56 pm

DETAIL MAP - 4506543.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Owego DPW Parks and Utilities Office Relocation
 ADDRESS: 2354 Route 434
 Owego NY 13827
 LAT/LONG: 42.0841 / 76.2253

CLIENT: Foit-Albert Associates
 CONTACT: Georgie Nugent Lussier
 INQUIRY #: 4506543.2s
 DATE: January 06, 2016 5:56 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERCLIS-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		0	0	0	NR	NR	0
HIST LTANKS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	0	0	NR	NR	NR	1
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
RES DECL	0.125		0	NR	NR	NR	NR	0
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ERP	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	1	NR	NR	NR	NR	2
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		0	NR	NR	NR	NR	0
SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		2	1	0	0	1	0	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **TOWN OF OWEGO TOWN HALL**
Target **2354 STATE RTE. 434**
Property **OWEGO, NY 13827**

UST **U003313751**
 N/A

Site 1 of 2 in cluster A

Actual:
848 ft.

UST:
 Id/Status: 7-447706 / Unregulated/Closed
 Program Type: PBS
 Region: STATE
 DEC Region: 7
 Expiration Date: N/A
 UTM X: 398985.01932
 UTM Y: 4659719.51375
 Site Type: Other

Affiliation Records:
 Site Id: 46071
 Affiliation Type: Facility Owner
 Company Name: TOWN OF OWEGO
 Contact Type: Not reported
 Contact Name: Not reported
 Address1: P.O. BOX 248
 Address2: Not reported
 City: OWEGO
 State: NY
 Zip Code: 13827-0248
 Country Code: 001
 Phone: (607) 687-5142
 EMail: Not reported
 Fax Number: Not reported
 Modified By: TRANSLAT
 Date Last Modified: 2004-03-04

 Site Id: 46071
 Affiliation Type: Mail Contact
 Company Name: TOWN OF OWEGO
 Contact Type: Not reported
 Contact Name: DEAN A. MORGAN
 Address1: P.O. BOX 248
 Address2: Not reported
 City: OWEGO
 State: NY
 Zip Code: 13827-0248
 Country Code: 001
 Phone: (607) 687-5142
 EMail: Not reported
 Fax Number: Not reported
 Modified By: TRANSLAT
 Date Last Modified: 2004-03-04

 Site Id: 46071
 Affiliation Type: ClassB (On-Site) Operator
 Company Name: TOWN OF OWEGO TOWN HALL
 Contact Type: Not reported
 Contact Name: NEW YORK STATE POLICE
 Address1: Not reported
 Address2: Not reported
 City: Not reported
 State: NN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF OWEGO TOWN HALL (Continued)

U003313751

Zip Code: Not reported
Country Code: 001
Phone: (607) 687-3961
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 46071
Affiliation Type: Emergency Contact
Company Name: TOWN OF OWEGO
Contact Type: Not reported
Contact Name: NEW YORK STATE POLICE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (607) 687-3961
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 001
Tank ID: 132888
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 04/01/1988
Date Tank Closed: 10/13/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
J02 - Dispenser - Suction Dispenser
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
F02 - Pipe External Protection - Original Sacrificial Anode
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
C02 - Pipe Location - Underground/On-ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF OWEGO TOWN HALL (Continued)

U003313751

B02 - Tank External Protection - Original Sacrificial Anode

A2
Target
Property

TOWN OF OWEGO - TOWN HALL
2354 NY RT 434
OWEGO, NY

NY Spills S104652907
N/A

Site 2 of 2 in cluster A

Actual:
848 ft.

SPILLS:
Facility ID: 0065027
Facility Type: ER
DER Facility ID: 85976
Site ID: 96170
DEC Region: 7
Spill Date: 2000-05-17
Spill Number/Closed Date: 0065027 / 2002-07-24
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 5430
Investigator: JEOKESSO
Referred To: LONG TERM
Reported to Dept: 2000-05-17
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: 2000-05-17
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2000-05-17
Spill Record Last Update: 2002-07-24
Spiller Name: TOM GEISENHOF
Spiller Company: TOWN OF OWEGO
Spiller Address: P.O. BOX 248
Spiller City,St,Zip: OWEGO, NY 13737-0248
Spiller Company: 001
Contact Name: TOM GEISENHOF
Contact Phone: (607) 687-5142
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was JOA PETROLEUM CONTAMINATED WATER AND SOIL REMOVED FROM TANK EXCAVATION. TANK IN GOOD CONDITION. SOILS TIGHT. SOIL SAMPLE OBTAINED. LOW LEVEL PETROLEUM CONTAMINATION IN SAMPLE. BELOW TAGM. SOIL DISPOSED OF BY GARY DYER."

Remarks: "2K GASOLINE UST ON SITE. WATER FILLED SECONDARY CONTAINMENT. PETROLEUM CONTAMINATION FOUND IN GROUND NEAR TANK."

Material:
Site ID: 96170
Operable Unit ID: 835814
Operable Unit: 01
Material ID: 541271
Material Code: 0009
Material Name: gasoline
Case No.: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF OWEGO - TOWN HALL (Continued)

S104652907

Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

3
North
< 1/8
0.030 mi.
157 ft.

KARY TALBOTT
2224 NY ROUTE 434
APALACHIN, NY

NY Spills S106008384
N/A

Relative:
Higher

SPILLS:

Actual:
853 ft.

Facility ID: 0207301
Facility Type: ER
DER Facility ID: 79221
Site ID: 86342
DEC Region: 7
Spill Date: 2002-10-11
Spill Number/Closed Date: 0207301 / 2003-09-30
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 5400
Investigator: JEOKESSO
Referred To: SHORT TERM
Reported to Dept: 2002-10-14
CID: 397
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: 2002-10-16
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2002-10-14
Spill Record Last Update: 2003-09-30
Spiller Name: SCOTT FARR
Spiller Company: ECONOMY HEATING
Spiller Address: RT 369
Spiller City,St,Zip: PORT CRANE, NY 001
Spiller Company: 001
Contact Name: RESIDENT
Contact Phone: (607) 687-3613
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was JOS 10/16/02 - VISITED SITE. GARY DYER ON SITE WITH VAC TRUCK. FREE PRODUCT AND WATER REMOVED FROM BASEMENT. SIPHON DAM TO BE INSTALLED TO CONTAIN AND PRODUCT WHEN SUMP PUMP TURNS ON. HEAVY RAINS TO BEGIN TONIGHT. PADS AND BOOMS TO BE PLACED IN BASEMENT / SIPHON DAM AND MONITORED. TANK WAS UNDER PRESSURE AND BLEW A HOLE IN SEAM. TANK WAS INSTALLED ABOUT 4 YEARS AGO BY DISCOUNT FUELS. DYER RECOVERED ABOUT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KARY TALBOTT (Continued)

S106008384

200 GALS. OF FREE PRODUCT. PRODUCT UNDER FLOOR CONTINUES TO COME INTO SUMP. NO PRODUCT NOTED IN SUMP. "

Remarks: "resident went away on friday came home to find tank ruptured spilling all fuel inside. all contained in basement. unk on clean up"

Material:

Site ID: 86342
Operable Unit ID: 858916
Operable Unit: 01
Material ID: 517899
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 250.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

4
NNE
1/2-1
0.705 mi.
3722 ft.

**LOCKHEED MARTIN - FORMER IBM OWEGO FACIL
1801 STATE RTE 17C
OWEGO, NY**

Relative:
Lower

Actual:
817 ft.

**CORRACTS 1000100691
RCRA-TSDF NYD986874501
RCRA-CESQG
US ENG CONTROLS
US INST CONTROL
US FIN ASSUR
2020 COR ACTION
Financial Assurance
MANIFEST**

CORRACTS:

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20130201
Action: CA800YE
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20130201
Action: CA772GC
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090901

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940803
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940803
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19960603
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20070104
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920907
Action: CA250 - CMS Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920907
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920907
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920907
Action: CA250 - CMS Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: OFF-SITE
Actual Date: 20090709
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921009
Action: CA260 - CMS Workplan Received
NAICS Code(s): Not reported
Original schedule date: 19921008
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921009
Action: CA260 - CMS Workplan Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20120410
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19920511
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920511
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: TANK FARM AREA AT CDF
Actual Date: 19920511
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920511
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19941012
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19930413
Action: CA026
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: INDOOR AIR
Actual Date: 20020114

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: OFF-SITE
Actual Date: 20060614
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19911215
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19911215
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921215
Action: CA300 - CMS Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921215
Action: CA300 - CMS Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19920615
Action: CA037
NAICS Code(s): Not reported
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: OFF-SITE
Actual Date: 20060315
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20030616
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19930316
Action: CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921016
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950217
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: TANK FARM AREA AT CDF
Actual Date: 19950217
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19911218
Action: CA033
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19931020
Action: CA037
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19930421
Action: CA350 - CMS Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20130422
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19830223
Action: CA600 - Stabilization Measures Implemented
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: INDOOR AIR
Actual Date: 20010123
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20080923
Action: CA450 - Corrective Measures Design Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20020125
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20020125
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090625
Action: CA012FR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990625
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20110325
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Area Name: SITEWIDE
Actual Date: 20100226
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: INDOOR AIR
Actual Date: 20100726
Action: CA012
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050926
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090227
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: OFF-SITE
Actual Date: 20060127
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950927
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20080228
Action: CA577

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20070328
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19930528
Action: CA028
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20080829
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20100329
Action: CA772EP
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: TANK FARM AREA AT CDF
Actual Date: 19960329
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19941129
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE

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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Actual Date: 19940929
Action: CA770NG
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA770NG
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940929
Action: CA770GW
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20070830
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: TANK FARM AREA AT CDF
Actual Date: 19960630
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20010330
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19971030
Action: CA577
NAICS Code(s): Not reported

Map ID
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Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990930
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990930
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20100831
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19911231
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19981231
Action: CA577
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920331
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Schedule end date: Not reported

EPA ID: NYD986874501
EPA Region: 2
Area Name: WTP DECOMMISSION
Actual Date: 19950531
Action: CA150 - RFI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/21/2007
Facility name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL
Facility address: 1801 STATE RTE 17C
OWEGO, NY 13827
EPA ID: NYD986874501
Mailing address: WELLINGTON RD
MANASSAS, VA 20109
Contact: KEVIN WHALEN
Contact address: WELLINGTON RD
MANASSAS, VA 20109
Contact country: US
Contact telephone: (703) 257-2582
Contact email: WHALEN@US.IBM.COM
EPA Region: 02
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: IBM CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/12/1993
Owner/Op end date: Not reported

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Owner/operator name: LOCKHEED MARTIN CORP
Owner/operator address: STATE RD 17C
OWEGO, NY 13827
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/22/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: P030

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

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. Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
. Waste code:	U002
. Waste name:	2-PROPANONE (I) (OR) ACETONE (I)
. Waste code:	U008
. Waste name:	2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)
. Waste code:	U031
. Waste name:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
. Waste code:	U037
. Waste name:	BENZENE, CHLORO- (OR) CHLOROBENZENE
. Waste code:	U044
. Waste name:	CHLOROFORM (OR) METHANE, TRICHLORO-
. Waste code:	U057
. Waste name:	CYCLOHEXANONE (I)
. Waste code:	U069
. Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE
. Waste code:	U075
. Waste name:	DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
. Waste code:	U076
. Waste name:	ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE
. Waste code:	U077
. Waste name:	ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U107
. Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
. Waste code:	U108
. Waste name:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code:	U112
. Waste name:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code:	U117
. Waste name:	ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U135
. Waste name:	HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S
. Waste code:	U151
. Waste name:	MERCURY
. Waste code:	U154

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
- . Waste code: U163
- . Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U196
- . Waste name: PYRIDINE
- . Waste code: U201
- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
- . Waste code: U219
- . Waste name: THIOUREA
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Historical Generators:

Date form received by agency: 02/20/2007

Site name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/20/2007

Site name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL

Classification: Conditionally Exempt Small Quantity Generator

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Date form received by agency: 05/02/2001

Site name: IBM CORP - OWEGO

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U037
- . Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)

- . Waste code: U069
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

. Waste code:	U075
. Waste name:	DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
. Waste code:	U076
. Waste name:	ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE
. Waste code:	U077
. Waste name:	ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U107
. Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
. Waste code:	U108
. Waste name:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code:	U112
. Waste name:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code:	U117
. Waste name:	ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U135
. Waste name:	HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S
. Waste code:	U151
. Waste name:	MERCURY
. Waste code:	U154
. Waste name:	METHANOL (I) (OR) METHYL ALCOHOL (I)
. Waste code:	U159
. Waste name:	2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
. Waste code:	U161
. Waste name:	4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
. Waste code:	U162
. Waste name:	2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
. Waste code:	U163
. Waste name:	GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG
. Waste code:	U188
. Waste name:	PHENOL
. Waste code:	U196
. Waste name:	PYRIDINE
. Waste code:	U201

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LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
- . Waste code: U219
- . Waste name: THIOUREA
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 07/08/1999
Site name: IBM CORP - FORMER
Classification: Not a generator, verified

Date form received by agency: 03/28/1994
Site name: INTERNATIONAL BUSINESS MACHINES CORP.
Classification: Large Quantity Generator

Date form received by agency: 02/17/1992
Site name: INTERNATIONAL BUSINESS MACHINES CORP.
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Site name: INTERNATIONAL BUSINESS MACHINES
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Site name: IBM CORP - FORMER
Classification: Not a generator, verified

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM

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- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM;

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(2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F017
- . Waste name: Not Defined

- . Waste code: F018
- . Waste name: Not Defined

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U037
- . Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)

- . Waste code: U069
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

- . Waste code: U075
- . Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

- . Waste code: U076
- . Waste name: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE

- . Waste code: U077
- . Waste name: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

- . Waste code: U080

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. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code: U107
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code: U117
. Waste name: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
. Waste code: U122
. Waste name: FORMALDEHYDE
. Waste code: U135
. Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S
. Waste code: U151
. Waste name: MERCURY
. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG
. Waste code: U188
. Waste name: PHENOL
. Waste code: U196
. Waste name: PYRIDINE
. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
. Waste code: U219
. Waste name: THIOUREA
. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

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- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 08/04/1980
Site name: IBM CORP - FORMER
Classification: Large Quantity Generator

Corrective Action Summary:

- Event date: 02/23/1983
- Event: Stabilization Measures Implemented

- Event date: 12/15/1991
- Event: RFA Determination Of Need For An RFI, RFI is Necessary;

- Event date: 12/15/1991
- Event: RFA Completed

- Event date: 12/18/1991
- Event: CA033

- Event date: 12/31/1991
- Event: RFA Determination Of Need For An RFI, RFI is Necessary;

- Event date: 03/31/1992
- Event: RFI Workplan Approved

- Event date: 05/11/1992
- Event: RFI Imposition

- Event date: 05/11/1992
- Event: RFI Imposition

- Event date: 06/15/1992
- Event: CA037

- Event date: 09/07/1992
- Event: CMS Imposition

- Event date: 09/07/1992
- Event: CMS Imposition

- Event date: 09/07/1992
- Event: RFI Approved

- Event date: 09/07/1992
- Event: RFI Approved

- Event date: 10/09/1992
- Event: CMS Workplan Received

- Event date: 10/09/1992

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Event:	CMS Workplan Received
Event date:	10/16/1992
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event date:	12/15/1992
Event:	CMS Workplan Approved
Event date:	12/15/1992
Event:	CMS Workplan Approved
Event date:	03/16/1993
Event:	Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.
Event date:	04/13/1993
Event:	CA026
Event date:	04/21/1993
Event:	CMS Approved
Event date:	05/28/1993
Event:	CA028
Event date:	10/20/1993
Event:	CA037
Event date:	08/03/1994
Event:	Date For Public Notice On Proposed Remedy
Event date:	08/03/1994
Event:	Date For Public Notice On Proposed Remedy
Event date:	09/29/1994
Event:	Certification Of Remedy Completion Or Construction Completion
Event date:	09/29/1994
Event:	CA770NG
Event date:	09/29/1994
Event:	CA770GW
Event date:	09/29/1994
Event:	CA770NG
Event date:	09/29/1994
Event:	Certification Of Remedy Completion Or Construction Completion
Event date:	09/29/1994
Event:	CMI Workplan Approved
Event date:	09/29/1994
Event:	CMI Workplan Approved
Event date:	09/29/1994

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Event:	Date For Remedy Selection (CM Imposed)
Event date:	09/29/1994
Event:	Date For Remedy Selection (CM Imposed)
Event date:	10/12/1994
Event:	CA577
Event date:	11/29/1994
Event:	RFI Supplemental Information Received
Event date:	02/17/1995
Event:	RFI Workplan Approved
Event date:	02/17/1995
Event:	RFI Supplemental Information Deemed Satisfactory
Event date:	05/31/1995
Event:	RFI Workplan Approved
Event date:	09/27/1995
Event:	CA577
Event date:	03/29/1996
Event:	RFI Approved
Event date:	06/03/1996
Event:	CA577
Event date:	06/30/1996
Event:	Stabilization Construction Completed
Event date:	10/30/1997
Event:	CA577
Event date:	12/31/1998
Event:	CA577
Event date:	06/25/1999
Event:	CA577
Event date:	09/30/1999
Event:	Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
Event date:	09/30/1999
Event:	Current Human Exposures under Control, More information is needed to make a determination.

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Event date:	01/23/2001
Event:	RFI Workplan Approved
Event date:	03/30/2001
Event:	CA577
Event date:	01/14/2002
Event:	RFI Approved
Event date:	01/25/2002
Event:	Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
Event date:	01/25/2002
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
Event date:	06/16/2003
Event:	CA577
Event date:	09/26/2005
Event:	CA577
Event date:	01/27/2006
Event:	RFI Imposition
Event date:	03/15/2006
Event:	RFI Workplan Approved
Event date:	06/14/2006
Event:	RFI Approved
Event date:	01/04/2007
Event:	RFI Workplan Approved
Event date:	03/28/2007
Event:	CA577
Event date:	08/30/2007
Event:	CA577
Event date:	02/28/2008
Event:	CA577

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Event date:	08/29/2008
Event:	CA577
Event date:	09/23/2008
Event:	Corrective Measures Design Approved
Event date:	02/27/2009
Event:	CA577
Event date:	06/25/2009
Event:	CA012FR
Event date:	07/09/2009
Event:	RFA Completed
Event date:	09/01/2009
Event:	CA577
Event date:	02/26/2010
Event:	CA577
Event date:	03/29/2010
Event:	CA772EP
Event date:	07/26/2010
Event:	CA012
Event date:	08/31/2010
Event:	CA577
Event date:	03/25/2011
Event:	CA577
Event date:	04/10/2012
Event:	CA577
Event date:	02/01/2013
Event:	CA772GC
Event date:	02/01/2013
Event:	CA800YE
Event date:	04/22/2013
Event:	CA577

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	07/10/1986
Date achieved compliance:	07/10/1986
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/03/1986
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported

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Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/10/1986
Date achieved compliance: 07/10/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/03/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/30/1986
Date achieved compliance: 11/04/1986
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/20/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 2500
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/30/1986
Date achieved compliance: 11/04/1986
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/30/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 10000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/04/1986
Date achieved compliance: 11/04/1986
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/27/1985
Date achieved compliance: 10/04/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 07/09/1984
Date achieved compliance: 10/23/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 03/16/1984
Date achieved compliance: 05/18/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/08/1983
Date achieved compliance: 04/10/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

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Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/08/1983
Date achieved compliance: 04/10/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/15/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/22/2013
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/10/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/07/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/25/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/26/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/27/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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Evaluation date:	07/17/2008
Evaluation:	OPERATION AND MAINTENANCE INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/28/2008
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	05/30/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/28/2007
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/18/2006
Evaluation:	GROUNDWATER MONITORING EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/19/2006
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/14/2006
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/26/2005
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/24/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/02/2004
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported

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Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/06/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/2003
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/02/2000
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/31/1998
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/30/1997
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/08/1997
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Evaluation date: 03/20/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/12/1994
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/04/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/1992
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/18/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/14/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/01/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/23/1986
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/23/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Evaluation date: 07/10/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 07/10/1986
Evaluation lead agency: State

Evaluation date: 07/10/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/10/1986
Evaluation lead agency: State

Evaluation date: 06/30/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 11/04/1986
Evaluation lead agency: EPA

Evaluation date: 05/16/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/04/1986
Evaluation lead agency: State

Evaluation date: 09/18/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/27/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/04/1985
Evaluation lead agency: State

Evaluation date: 05/15/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/12/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/23/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/09/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/23/1984
Evaluation lead agency: State

Evaluation date: 06/19/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/1984
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/16/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/18/1984
Evaluation lead agency: EPA

Evaluation date: 08/08/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/10/1984
Evaluation lead agency: EPA

US ENG CONTROLS:

EPA ID: NYD986874501
Site ID: Not reported
Name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL
Address: 1801 STATE RTE 17C
OWEGO, NY 13827

EPA Region: 02
County: TIOGA
Event Code: CA770NG
Actual Date: 09/29/1994
Contact Name: KEVIN WHALEN
Contact Phone and Ext: 7032572582
Latitude: 42
Longitude: -76

Action ID: Not reported
Action Name: Not reported
Action Completion date: 01/01/1900
Operable Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Contaminated Media : Not reported
Engineering Control: Not reported
Contact Name: KEVIN WHALEN
Contact Phone and Ext: 7032572582
Latitude: 42
Longitude: -76

Action ID: Not reported
Action Name: Not reported
Action Completion date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported
Contact Name: KEVIN WHALEN
Contact Phone and Ext: 7032572582
Latitude: 42
Longitude: -76

US INST CONTROL:

EPA ID: NYD986874501
Site ID: Not reported
Name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL
Action Name: Not reported
Address: 1801 STATE RTE 17C
OWEGO, NY 13827
EPA Region: 02
County: TIOGA
Event Code: CA772EP
Inst. Control: Not reported
Actual Date: 03/29/2010
Comple. Date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Contact Name : KEVIN WHALEN
Contact Phone and Ext :7032572582
Latitude : 42
Longitude : -76

EPA ID: NYD986874501
Site ID: Not reported
Name: LOCKHEED MARTIN - FORMER IBM OWEGO FACIL
Action Name: Not reported
Address: 1801 STATE RTE 17C
OWEGO, NY 13827
EPA Region: 02
County: TIOGA
Event Code: CA772GC
Inst. Control: Not reported
Actual Date: 02/01/2013
Comple. Date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Contact Name : KEVIN WHALEN
Contact Phone and Ext :7032572582
Latitude : 42
Longitude : -76

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

US FIN ASSUR:

EPA ID: NYD986874501
Provider: ILLINOIS UNION INSURANCE COMPANY
EPA region: 2
County: TIOGA
Mechanism type: INSURANCE
Mechanism ID: PPL G24883942 001
Cost estimate: 2000000
Face value: 2000000
Effective date: 10/9/2009

EPA ID: NYD986874501
Provider: ILLINOIS UNION INSURANCE COMPANY
EPA region: 2
County: TIOGA
Mechanism type: INSURANCE
Mechanism ID: PPL G24883942 002
Cost estimate: 2000000
Face value: 2000000
Effective date: 10/9/2010

EPA ID: NYD986874501
Provider: ILLINOIS UNION INSURANCE COMPANY
EPA region: 2
County: TIOGA
Mechanism type: INSURANCE
Mechanism ID: PPL G24883942 003
Cost estimate: 2000000
Face value: 2000000
Effective date: 10/9/2011

EPA ID: NYD986874501
Provider: INTESA SANPAOLO S.P.A., NEW YORK
EPA region: 2
County: TIOGA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093127-793
Cost estimate: 7315000
Face value: 103329000
Effective date: 3/10/2010

EPA ID: NYD986874501
Provider: INTESA SANPAOLO S.P.A., NEW YORK
EPA region: 2
County: TIOGA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093127-793
Cost estimate: 7349000
Face value: 106375000
Effective date: 3/15/2011

EPA ID: NYD986874501
Provider: WELLS FARGO, NATIONAL ASSOCIATION
EPA region: 2
County: TIOGA
Mechanism type: STANDBY TRUST
Mechanism ID: STA 03-11

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Cost estimate: 7349000
Face value: 0
Effective date: 3/28/2011

EPA ID: NYD986874501
Provider: WELLS FARGO, NATIONAL ASSOCIATION
EPA region: 2
County: TIOGA
Mechanism type: STANDBY TRUST
Mechanism ID: STA-03-09
Cost estimate: 7315000
Face value: 0
Effective date: 3/30/2009

2020 COR ACTION:
EPA ID: NYD986874501
Region: 2
Action: Remedy Constructed

NY Financial Assurance 2:
Region: 2
EPA Id Number: NYD986874501
Company Name: Owego Owego
Closure Cost: Not reported
Post-Closure Cost: Not reported
Correction Action Cost: 7,671,000
Facility Instrument: LC, STA; INS - S
Total C, PC, and/or CA cost estimate: 7,671,000

NY MANIFEST:
EPA ID: NYD986874501
Country: USA
Location Address 1: ROUTE 17C
Location Address 2: Not reported
Location City: OWEGO
Location State: NY
Location Zip Code: 13827
Location Zip Code 4: Not reported

Mailing Info:
Name: INTERNATIONAL BUSINESS MACHINES
Contact: INTERNATIONAL BUSINESS MACHINES
Address: ROUTE 17C - M/D 0574 DEPT 710
City/State/Zip: OWEGO, NY 13827
Country: USA
Phone: 607-751-3300

Manifest:
Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD982792814
Trans2 State ID: NYD980769947
Generator Ship Date: 04/29/2013
Trans1 Recv Date: 04/29/2013
Trans2 Recv Date: 05/01/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

TSD Site Recv Date: 05/01/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986874501
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 1200
Units: P - Pounds
Number of Containers: 2
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 000623558VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD982792814
Trans2 State ID: NYD980769947
Generator Ship Date: 04/29/2013
Trans1 Recv Date: 04/29/2013
Trans2 Recv Date: 05/01/2013
TSD Site Recv Date: 05/01/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986874501
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 650
Units: P - Pounds
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 000623558VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: ARA6637020
Manifest Status: Completed copy
Trans1 State ID: PC0936H24
Trans2 State ID: 12073PNY
Generator Ship Date: 02/28/1994
Trans1 Recv Date: 02/28/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/02/1994
Part A Recv Date: 03/10/1994
Part B Recv Date: 03/23/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: ARD069748192
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00033
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYB1665387
Manifest Status: Completed copy
Trans1 State ID: NY75231B
Trans2 State ID: Not reported
Generator Ship Date: 03/01/1994
Trans1 Recv Date: 03/01/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/03/1994
Part A Recv Date: 03/10/1994
Part B Recv Date: 03/17/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D006 - CADMIUM 1.0 MG/L TCLP
Quantity: 00085
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00028
Units: P - Pounds
Number of Containers: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00076
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 01312
Units: P - Pounds
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYB1665342
Manifest Status: Completed copy
Trans1 State ID: NY75231B
Trans2 State ID: Not reported
Generator Ship Date: 03/01/1994
Trans1 Recv Date: 03/01/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/03/1994
Part A Recv Date: 03/10/1994
Part B Recv Date: 03/17/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02996
Units: P - Pounds
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 06832
Units: P - Pounds
Number of Containers: 011
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D007 - CHROMIUM 5.0 MG/L TCLP
Quantity: 02970
Units: P - Pounds
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F001 - UNKNOWN
Quantity: 00884

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: ILA3083760
Manifest Status: Completed copy
Trans1 State ID: 1797
Trans2 State ID: Not reported
Generator Ship Date: 02/28/1994
Trans1 Recv Date: 02/28/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/02/1994
Part A Recv Date: 03/10/1994
Part B Recv Date: 03/18/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: ILD005121439
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00185
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00016
Units: P - Pounds
Number of Containers: 001
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1994

Document ID: PAE0418530
Manifest Status: Completed copy
Trans1 State ID: PAAH0333
Trans2 State ID: Not reported
Generator Ship Date: 02/25/1994
Trans1 Recv Date: 02/25/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 02/25/1994
Part A Recv Date: 03/07/1994
Part B Recv Date: 03/14/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: PAD987269511
Trans2 EPA ID: Not reported
TSDF ID: PAD981038227
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 17560
Units: P - Pounds
Number of Containers: 014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1994

Document ID: ARA5581560
Manifest Status: Completed copy
Trans1 State ID: PC0936H24
Trans2 State ID: N2075PNY
Generator Ship Date: 02/28/1994
Trans1 Recv Date: 02/28/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/02/1994
Part A Recv Date: 03/10/1994
Part B Recv Date: 03/15/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: ARD069748192
Waste Code: F003 - UNKNOWN
Quantity: 02710
Units: P - Pounds
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00271
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F001 - UNKNOWN
Quantity: 01355
Units: P - Pounds
Number of Containers: 005
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01897
Units: P - Pounds
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NYB1665315
Manifest Status: Completed copy
Trans1 State ID: PD1946NY
Trans2 State ID: Not reported
Generator Ship Date: 02/24/1994
Trans1 Recv Date: 02/24/1994

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Trans2 Recv Date: / /
TSD Site Recv Date: 02/25/1994
Part A Recv Date: 03/03/1994
Part B Recv Date: 03/08/1994
Generator EPA ID: NYD986874501
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: OHD980701072
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 04896
Units: P - Pounds
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1994

Document ID: PAC0145180
Manifest Status: Completed copy
Trans1 State ID: PAAH0333
Trans2 State ID: Not reported
Generator Ship Date: 10/11/1993
Trans1 Recv Date: 10/11/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 10/11/1993
Part A Recv Date: 11/15/1993
Part B Recv Date: 10/28/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: PAD987269511
Trans2 EPA ID: Not reported
TSD ID: PAD981038227
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 12920
Units: P - Pounds
Number of Containers: 013
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NYB2400264
Manifest Status: Completed copy
Trans1 State ID: NY14644V
Trans2 State ID: Not reported
Generator Ship Date: 07/23/1993
Trans1 Recv Date: 07/23/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/28/1993
Part A Recv Date: 08/03/1993
Part B Recv Date: 08/05/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Quantity: 07320
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: NYB2375415
Manifest Status: Completed copy
Trans1 State ID: 14644VNY
Trans2 State ID: NYPA5320
Generator Ship Date: 07/19/1993
Trans1 Recv Date: 07/19/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/20/1993
Part A Recv Date: / /
Part B Recv Date: 08/04/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 08980
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: NYB2400255
Manifest Status: Completed copy
Trans1 State ID: 14971VNY
Trans2 State ID: Not reported
Generator Ship Date: 07/23/1993
Trans1 Recv Date: 07/23/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/24/1993
Part A Recv Date: 08/03/1993
Part B Recv Date: 08/05/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 08160
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Document ID: NYB2375451
Manifest Status: Completed copy
Trans1 State ID: 10395PNY
Trans2 State ID: Not reported
Generator Ship Date: 07/13/1993
Trans1 Recv Date: 07/13/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/13/1993
Part A Recv Date: 07/23/1993
Part B Recv Date: 07/22/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 06220
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: NYB2375433
Manifest Status: Completed copy
Trans1 State ID: 86428ZNY
Trans2 State ID: Not reported
Generator Ship Date: 07/01/1993
Trans1 Recv Date: 07/01/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/01/1993
Part A Recv Date: 07/13/1993
Part B Recv Date: 07/13/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 11900
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: PAC8116021
Manifest Status: Completed after the designated time period for a TSD ID to get a copy to the DEC
Trans1 State ID: PAAH0333
Trans2 State ID: Not reported
Generator Ship Date: 09/02/1993
Trans1 Recv Date: 09/02/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 09/02/1993
Part A Recv Date: 10/19/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Part B Recv Date: 10/01/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: PAD987269511
Trans2 EPA ID: Not reported
TSD ID: PAD981038227
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 30020
Units: P - Pounds
Number of Containers: 027
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NYB1665297
Manifest Status: Completed copy
Trans1 State ID: NY99829C
Trans2 State ID: Not reported
Generator Ship Date: 09/28/1993
Trans1 Recv Date: 09/28/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 09/29/1993
Part A Recv Date: 11/10/1993
Part B Recv Date: 10/08/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 44194
Units: P - Pounds
Number of Containers: 068
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: NYB1665288
Manifest Status: Completed copy
Trans1 State ID: NY14971V
Trans2 State ID: Not reported
Generator Ship Date: 08/13/1993
Trans1 Recv Date: 08/13/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 08/19/1993
Part A Recv Date: 08/25/1993
Part B Recv Date: 08/26/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 13080
Units: P - Pounds
Number of Containers: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: NYB1665396
Manifest Status: Completed copy
Trans1 State ID: 46623ANY
Trans2 State ID: Not reported
Generator Ship Date: 09/29/1993
Trans1 Recv Date: 09/29/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 09/30/1993
Part A Recv Date: 11/09/1993
Part B Recv Date: 10/07/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 05745
Units: P - Pounds
Number of Containers: 017
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 05539
Units: P - Pounds
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity: 00730
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1993

Document ID: PAC8116253
Manifest Status: Completed copy
Trans1 State ID: PAAH0289
Trans2 State ID: Not reported
Generator Ship Date: 06/02/1993
Trans1 Recv Date: 06/02/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 06/04/1993
Part A Recv Date: 06/14/1993
Part B Recv Date: 06/16/1993
Generator EPA ID: NYD986874501
Trans1 EPA ID: INT190010397
Trans2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN - FORMER IBM OWEGO FACIL (Continued)

1000100691

TSDF ID: PAD087561015
Waste Code: D006 - CADMIUM 1.0 MG/L TCLP
Quantity: 00107
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
APALACHIN	S102122090	KRISSEL SUNOCO	ROUTE 434		LTANKS, NY Spills
APALACHIN	S100129332	ROUTE 434	ROUTE 434		LTANKS
OWEGO	S103558352	TERPENING TRUCKING	RT.434		LTANKS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 11/07/2015
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 11/07/2015
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 11/07/2015
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 10/09/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/22/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-267-2180
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 12/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9622
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 08/01/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9814
Date Made Active in Reports: 12/10/2015	Last EDR Contact: 11/19/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/07/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/08/2015	Telephone: 518-457-2051
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 01/04/2016
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015	Source: EPA Region 6
Date Data Arrived at EDR: 08/03/2015	Telephone: 214-665-6597
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 10/30/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2015	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-8677
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/26/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-7439
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/26/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015	Source: EPA Region 7
Date Data Arrived at EDR: 04/28/2015	Telephone: 913-551-7003
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6271
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 10/27/2015
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9549
Date Made Active in Reports: 12/09/2015	Last EDR Contact: 11/19/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/08/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 11/23/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/23/2015	Telephone: 518-402-9549
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 12/30/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 10/24/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/23/2006
	Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 07/25/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/24/2005
	Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 11/23/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/23/2015	Telephone: 518-402-9549
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 12/30/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 11/23/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/23/2015	Telephone: 518-402-9549
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 12/30/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/08/2015
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2015
Next Scheduled EDR Contact: 02/09/2016
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/28/2015
Date Data Arrived at EDR: 08/14/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 60

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 07/02/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 48

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010	Source: NYC Department of City Planning
Date Data Arrived at EDR: 06/30/2014	Telephone: 212-720-3401
Date Made Active in Reports: 07/21/2014	Last EDR Contact: 12/23/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9553
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9553
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 12/28/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9711
Date Made Active in Reports: 12/10/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9764
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9622
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/19/2016
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/21/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-566-2777
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 12/21/2015
Number of Days to Update: 103	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/15/2006	Telephone: 518-402-8694
Date Made Active in Reports: 11/30/2006	Last EDR Contact: 10/19/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/01/2016
	Data Release Frequency: Annually

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/07/2015
Date Data Arrived at EDR: 10/08/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 39

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/06/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015
Date Data Arrived at EDR: 09/04/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 11/19/2015
Date Made Active in Reports: 12/08/2015
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/19/2016
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/12/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/04/2015	Telephone: 202-307-1000
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/25/2015
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/09/2015	Source: Office of the State Comptroller
Date Data Arrived at EDR: 11/10/2015	Telephone: 518-474-9034
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/09/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 10/30/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-366-4555
Date Made Active in Reports: 09/02/2015	Last EDR Contact: 12/30/2015
Number of Days to Update: 68	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/16/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2015	Telephone: 518-402-9549
Date Made Active in Reports: 12/09/2015	Last EDR Contact: 11/19/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/29/2016
	Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/12/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/07/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/13/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/10/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 12/23/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013	Source: EPA
Date Data Arrived at EDR: 02/12/2015	Telephone: 202-566-0250
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 110	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/26/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 10/26/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/13/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/22/2016
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/29/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 10/08/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/25/2016
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/18/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/26/2015	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/10/2015	Telephone: 301-415-7169
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/07/2015
Number of Days to Update: 95	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/13/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/29/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 10/07/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/18/2016
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/07/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/24/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/16/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/05/2015
Next Scheduled EDR Contact: 01/18/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2015
Date Data Arrived at EDR: 09/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/03/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 12/10/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 11/12/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/08/2015
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/26/2015
Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/07/2015
Date Data Arrived at EDR: 10/08/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 39

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 07/02/2015
Date Data Arrived at EDR: 07/13/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Varies

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 08/13/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 48

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/05/2015
Date Data Arrived at EDR: 10/06/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/01/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 11/16/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/20/2006	Telephone: 518-402-9564
Date Made Active in Reports: 11/30/2006	Last EDR Contact: 05/26/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/02/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/08/2015	Telephone: 518-402-8651
Date Made Active in Reports: 12/09/2015	Last EDR Contact: 11/08/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Annually

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/10/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/13/2015	Telephone: 518-402-8233
Date Made Active in Reports: 12/08/2015	Last EDR Contact: 11/09/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/08/2016
	Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/07/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/10/2015	Telephone: 518-402-8056
Date Made Active in Reports: 09/21/2015	Last EDR Contact: 12/09/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/28/2015	Telephone: 607-753-5035
Date Made Active in Reports: 09/21/2015	Last EDR Contact: 11/08/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/28/2015	Telephone: 607-753-5035
Date Made Active in Reports: 09/21/2015	Last EDR Contact: 11/08/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015	Source: Nassau County Health Department
Date Data Arrived at EDR: 07/07/2015	Telephone: 516-571-3314
Date Made Active in Reports: 08/12/2015	Last EDR Contact: 01/04/2016
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: No Update Planned

Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 11/07/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015	Source: Nassau County Health Department
Date Data Arrived at EDR: 07/07/2015	Telephone: 516-571-3314
Date Made Active in Reports: 08/12/2015	Last EDR Contact: 01/04/2016
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 11/07/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2016
	Data Release Frequency: Varies

ROCKLAND COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Date Data Arrived at EDR: 09/14/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 7

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/07/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Date Data Arrived at EDR: 09/14/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 7

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/07/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/08/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/08/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/15/2015
Date Made Active in Reports: 11/17/2015
Number of Days to Update: 33

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/15/2015
Date Made Active in Reports: 11/17/2015
Number of Days to Update: 33

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/07/2015
Next Scheduled EDR Contact: 02/15/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2015
Next Scheduled EDR Contact: 02/29/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/13/2015
Next Scheduled EDR Contact: 01/25/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/19/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/20/2015
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/19/2015
Next Scheduled EDR Contact: 02/01/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/09/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers

Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation
Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OWEGO DPW PARKS AND UTILITIES OFFICE RELOCATION
2354 ROUTE 434
OWEGO, NY 13827

TARGET PROPERTY COORDINATES

Latitude (North):	42.0841 - 42° 5' 2.76"
Longitude (West):	76.2253 - 76° 13' 31.08"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	398653.7
UTM Y (Meters):	4659626.5
Elevation:	848 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5937559 APALACHIN, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

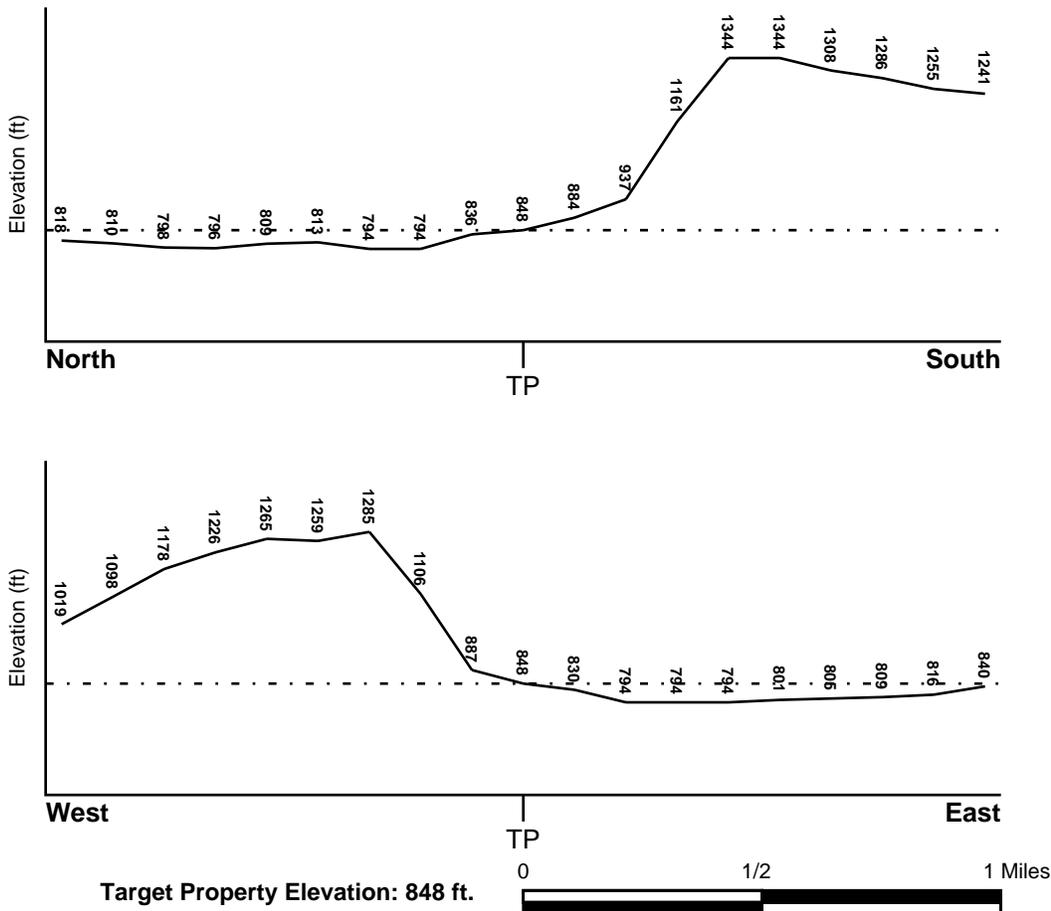
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
TIOGA, NY

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3608390015C - FEMA Q3 Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
APALACHIN

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

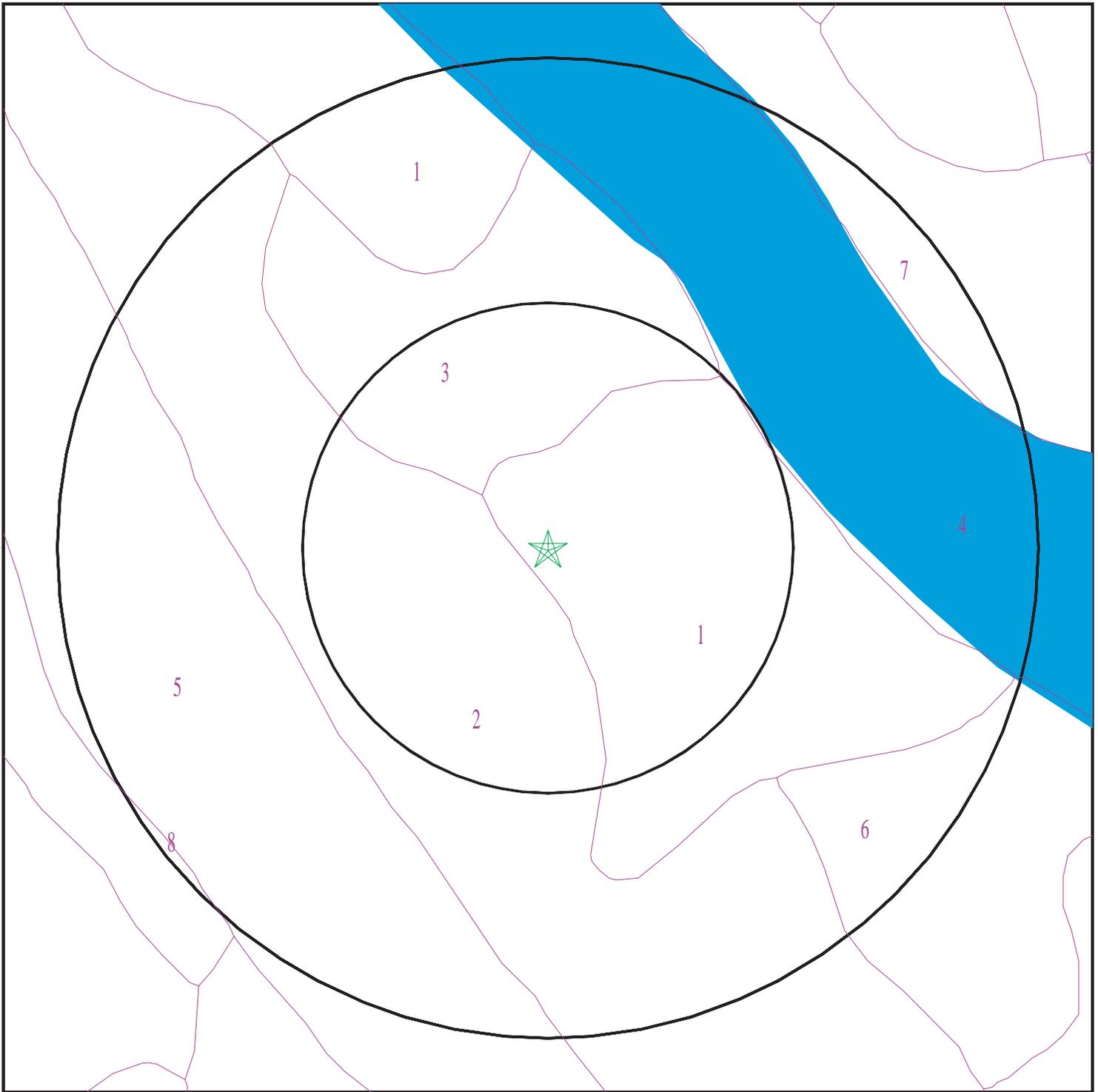
Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4506543.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Owego DPW Parks and Utilities Office Relocation
ADDRESS: 2354 Route 434
Owego NY 13827
LAT/LONG: 42.0841 / 76.2253

CLIENT: Foit-Albert Associates
CONTACT: Georgie Nugent Lussier
INQUIRY #: 4506543.2s
DATE: January 06, 2016 5:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Red Hook (Braceville)

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	29 inches	59 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Volusia

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 18 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	7 inches	18 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	18 inches	29 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.1
4	29 inches	59 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Unadilla

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	7 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	29 inches	59 inches	stratified silt to sand to gravel	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 7.8 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Arnot (Steep stony land)

Soil Surface Texture: flaggy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	flaggy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	5 inches	16 inches	very flaggy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 6 Min: 3.6
3	16 inches	20 inches	unweathered bedrock	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Howard

Soil Surface Texture: gravelly loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	27 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 42 Min: 4	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	27 inches	59 inches	stratified sand to gravel	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 141	Max: 8.4 Min: 6.6
3	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1

Soil Map ID: 7

Soil Component Name: Middlebury

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	18 inches	35 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	35 inches	59 inches	stratified silt to sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 14	Max: 7.3 Min: 5.6

Soil Map ID: 8

Soil Component Name: Lordstown

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 91 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	35 inches	40 inches	unweathered bedrock	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
3	7 inches	18 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	18 inches	35 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 6 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000849924	0 - 1/8 Mile NNW
3	USGS40000849863	1/4 - 1/2 Mile SE
B8	USGS40000850020	1/4 - 1/2 Mile NW
B9	USGS40000850027	1/4 - 1/2 Mile NW
B10	USGS40000850033	1/2 - 1 Mile NNW
C11	USGS40000850046	1/2 - 1 Mile NNW
C12	USGS40000850063	1/2 - 1 Mile NNW
13	USGS40000850073	1/2 - 1 Mile NNW
D14	USGS40000850126	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
15	USGS40000850068	1/2 - 1 Mile NE
D16	USGS40000850135	1/2 - 1 Mile North
17	USGS40000850144	1/2 - 1 Mile North
18	USGS40000850170	1/2 - 1 Mile North
19	USGS40000850182	1/2 - 1 Mile NNE
20	USGS40000849752	1/2 - 1 Mile SSW
21	USGS40000850186	1/2 - 1 Mile North
22	USGS40000849815	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

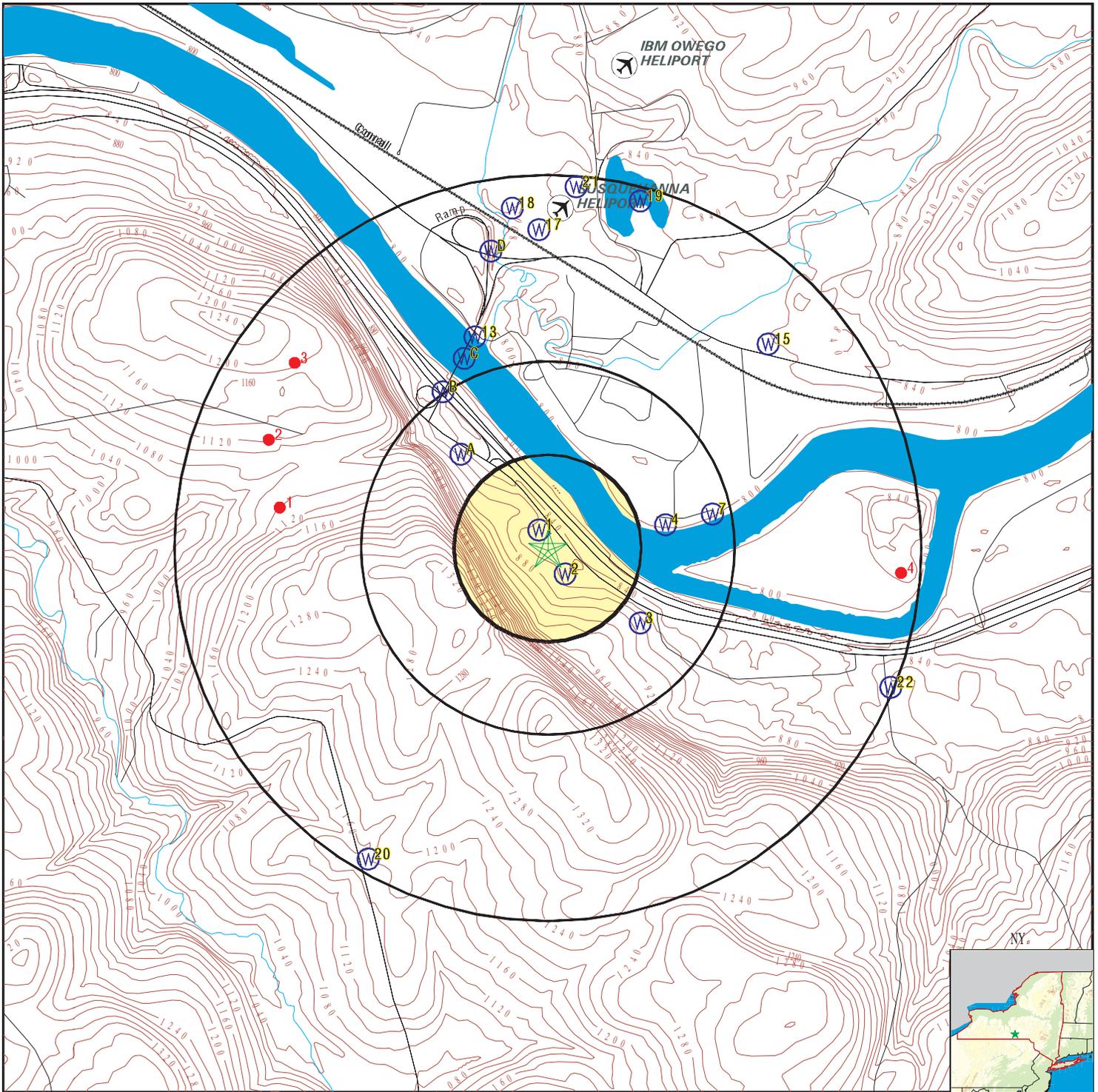
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	NYWS003518	0 - 1/8 Mile SSE
4	NYWS10000015233	1/4 - 1/2 Mile East
A5	NYWS003503	1/4 - 1/2 Mile NW
A6	NYWS003502	1/4 - 1/2 Mile NW
7	NYWS10000015188	1/4 - 1/2 Mile ENE

OTHER STATE DATABASE INFORMATION

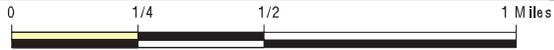
STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	NYOG80000039839	1/2 - 1 Mile West
2	NYOG80000039825	1/2 - 1 Mile WNW
3	NYOG80000039817	1/2 - 1 Mile NW
4	NYOG80000039724	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 4506543.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Owego DPW Parks and Utilities Office Relocation
 ADDRESS: 2354 Route 434
 Owego NY 13827
 LAT/LONG: 42.0841 / 76.2253

CLIENT: Foit-Albert Associates
 CONTACT: Georgie Nugent Lussier
 INQUIRY #: 4506543.2s
 DATE: January 06, 2016 5:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NNW
0 - 1/8 Mile
Higher **FED USGS** **USGS40000849924**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420505076133401		
Monloc name:	TI 219		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0847966
Longitude:	-76.2257646	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	858.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	1965	Welldepth:	76
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1965-06-01	49.0	

2
SSE
0 - 1/8 Mile
Higher **NY WELLS** **NYWS003518**

Well Id:	NY5312199	System name:	OWEGO STATE POLICE
System Id:	001	Well name:	WELL
Type:	Well	Active?:	Active
County:	TIOGA COUNTY	Latitude:	420459.13
Longitude:	761327.844	Slec_type_:	AC
Agency:	BARNES, JOHN		
Address:	DIVISION OF STATE POLICE CAMPUS PUBLIC SECURITY BLDG.		
City/State/Zip:	ALBANY NY 12226		
Phone:	518-457-6721		

3
SE
1/4 - 1/2 Mile
Higher **FED USGS** **USGS40000849863**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420452076131501		
Monloc name:	TI 199		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0811855
Longitude:	-76.2204866	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	885.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	1965	Welldepth:	96
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1965-05-01	69.0	

4

**East
1/4 - 1/2 Mile
Lower**

NY WELLS

NYWS10000015233

Fid:	15233
County:	TIOGA
Town:	Owego
Dec well n:	TI768
Foil loc:	WEST MILLER BEACH RD
Latitude:	42 05 06.0
Longitude:	76 13 09.0
Well depth:	52
Rock depth:	-999
Gw depth:	18
Cased dept:	52
Scr:	N
Yt avgdisc:	Not Reported
Regnumber:	NYRD10007
Ddlat:	42.085
Ddlong:	-76.219167
Site id:	NYWS10000015233

**A5
NW
1/4 - 1/2 Mile
Higher**

NY WELLS

NYWS003503

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Id:	NY5330010	System name:	PINE VIEW PARK
System Id:	WL002	Well name:	WELL # 2
Type:	Well	Active?:	Active
County:	TIOGA COUNTY	Latitude:	420515.85
Longitude:	761347 000	Slec_type_:	AC
Agency:	TUBBS, RICHARD		
Address:	275 STRAITS CORNERS ROAD		
City/State/Zip:	CANDOR NY 13743		
Phone:	607-689-0281		

**A6
NW
1/4 - 1/2 Mile
Higher**

NY WELLS NYWS003502

Well Id:	NY5330010	System name:	PINE VIEW PARK
System Id:	WL001	Well name:	WELL # 1
Type:	Well	Active?:	Active
County:	TIOGA COUNTY	Latitude:	420515.858
Longitude:	761347.8	Slec_type_:	AC
Agency:	TUBBS, RICHARD		
Address:	275 STRAITS CORNERS ROAD		
City/State/Zip:	CANDOR NY 13743		
Phone:	607-689-0281		

**7
ENE
1/4 - 1/2 Mile
Lower**

NY WELLS NYWS10000015188

Fid:	15188
County:	TIOGA
Town:	Owego
Dec well n:	T11126
Foil loc:	MILLER BEACH RD
Latitude:	42 05 07.5
Longitude:	76 13 00.2
Well depth:	38
Rock depth:	-999
Gw depth:	22
Cased dept:	38
Scr:	N
Yt avgdisc:	10
Regnumber:	NYRD10007
Ddlat:	42.085417
Ddlong:	-76.216722
Site id:	NYWS10000015188

**B8
NW
1/4 - 1/2 Mile
Lower**

FED USGS USGS40000850020

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420523076135301		
Monloc name:	TI 92		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0897965
Longitude:	-76.2310426	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	827.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	92
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B9
NW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000850027

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420524076135201		
Monloc name:	TI 93		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0900743
Longitude:	-76.2307648	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	829.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	119
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B10
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000850033

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420526076135101		
Monloc name:	TI 94		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0906299
Longitude:	-76.230487	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	816.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	Not Reported	Welldepth:	Not Reported
Wellholedepth units:	ft	Wellholedepth:	113

Ground-water levels, Number of Measurements: 0

C11
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000850046

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420528076134901		
Monloc name:	TI 95		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0911854
Longitude:	-76.2299314	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	779.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	92
Welldepth units:	Not Reported		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

C12
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000850063

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420530076134701		
Monloc name:	TI 96		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.091741
Longitude:	-76.2293758	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	787.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	99
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

13
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000850073

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420532076134601		
Monloc name:	TI 97		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0922965
Longitude:	-76.229098	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	805.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	117
Welldepth units:	Not Reported		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

D14
North
1/2 - 1 Mile
Lower

FED USGS USGS40000850126

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420543076134301		
Monloc name:	TI 98		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0953521
Longitude:	-76.2282647	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	802.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	74
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

15
NE
1/2 - 1 Mile
Lower

FED USGS USGS40000850068

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420531076125101		
Monloc name:	TI 218		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0920188
Longitude:	-76.2138196	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	820.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Ice-Contact Deposits, Pleistocene		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	44
Construction date:	1940	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-08-01	13.0	

D16
North
1/2 - 1 Mile
Lower

FED USGS USGS40000850135

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420545076134301		
Monloc name:	TI 99		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0959077
Longitude:	-76.2282647	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	807.
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	115
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

17
North
1/2 - 1 Mile
Lower

FED USGS USGS40000850144

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420547076133401		
Monloc name:	TI 126		
Monloc type:	Well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0964632
Longitude:	-76.2257646	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	810.95
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Ice-Contact Deposits, Pleistocene		
Aquifer type:	Confined multiple aquifer		
Construction date:	Not Reported	Welldepth:	94
Welldepth units:	ft	Wellholedepth:	94
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1981-07-15	14.94	

18
North
1/2 - 1 Mile
Lower

FED USGS USGS40000850170

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420550076133901		
Monloc name:	TI 113		
Monloc type:	Well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0972965
Longitude:	-76.2271535	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	804.74
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Ice-Contact Deposits, Pleistocene		
Aquifer type:	Confined single aquifer		
Construction date:	Not Reported	Welldepth:	91
Welldepth units:	ft	Wellholedepth:	91
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1981-07-15	7.48	

19
NNE
1/2 - 1 Mile
Lower

FED USGS USGS40000850182

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier: USGS-NY
 Formal name: USGS New York Water Science Center
 Monloc Identifier: USGS-420551076131501
 Monloc name: TI 127
 Monloc type: Well
 Monloc desc: USED OTID ON MAP WRIR 89-4000
 Huc code: 02050103 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 42.0975743
 Longitude: -76.2204866 Sourcemap scale: 24000
 Horiz Acc measure: 1 Horiz Acc measure units: seconds
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83 Vert measure val: 820.0
 Vert measure units: feet Vertacc measure val: 10
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Sand and gravel aquifers (glaciated regions)
 Formation type: Holocene Alluvium
 Aquifer type: Unconfined single aquifer
 Construction date: 19790801 Welldepth: 12.5
 Welldepth units: ft Wellholedepth: 30
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1981-07-15	0.65	

20
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000849752

Org. Identifier: USGS-NY
 Formal name: USGS New York Water Science Center
 Monloc Identifier: USGS-420419076140601
 Monloc name: TI 200
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 02050103 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 42.0720188
 Longitude: -76.2346538 Sourcemap scale: 24000
 Horiz Acc measure: 1 Horiz Acc measure units: seconds
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83 Vert measure val: 1175.00
 Vert measure units: feet Vertacc measure val: 5.
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Not Reported
 Formation type: Java-West Falls Formation

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	130
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

21
North
1/2 - 1 Mile
Lower

FED USGS USGS40000850186

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420553076132701		
Monloc name:	TI 125		
Monloc type:	Well		
Monloc desc:	USED OTID ON MAP WRIR 89-4000		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0981299
Longitude:	-76.22382	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	823.35
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Devonian System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	65
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1981-07-15	14.62	

22
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000849815

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-420443076122801		
Monloc name:	TI 198		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02050103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.0786855
Longitude:	-76.2074305	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	855.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	64
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

West
1/2 - 1 Mile

OIL_GAS NYOG80000039839

Api wellno:	31107264660000	Cnty:	0
Hole:	26466	Sidetrck:	0
Completion:	0	Well name:	Strong 1
Company na:	Inflection Energy (NY) LLC	Operator n:	2795
Well type:	NL	Map symbol:	O
Well statu:	SI	Date statu:	2016-04-21 00:00:00
Date permi:	2010-06-11 00:00:00	Permit iss:	2010-08-24 00:00:00
Date spudd:	2010-10-19 00:00:00	Date total:	2010-11-15 00:00:00
Date well :	Not Reported	Date wel00:	Not Reported
Date wel01:	2	Confid:	Released
Town:	Owego	Quad:	Apalachin
Quadsec:	A	Producing :	New Field Wildcat
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Tioga
Region:	7	State leas:	NA
Proposed d:	4700	Surface lo:	SURF
Surface 00:	-76.239269		
Surface la:	42.085672		
Bottom hol:	BH		
Bottom h00:	-76.239269		
Bottom h01:	42.085672		
True verti:	4437	Measured d:	4437
Kickoff:	0	Drilleddep:	4437
Elevation:	1100	Original w:	GW
Permit fee:	2000	Objective :	Oriskany
Depth fee:	1900	Spacing:	Conforms to statewide spacing under Title 5
Spacing ac:	1	Integratio:	I
Dt hearing:	2	Dt mod:	2015-04-21 14:00:15.967000000
Link:	http://www.dec.ny.gov/cfm/EXTAPPS/GasOil/search/wells/index.cfm?api=31107264660000		
Site id:	NYOG80000039839		

2

WNW
1/2 - 1 Mile

OIL_GAS NYOG80000039825

Api wellno:	31107261570000	Cnty:	0
Hole:	26157	Sidetrck:	0
Completion:	0	Well name:	Strong 1
Company na:	MegaEnergy Operating Inc.	Operator n:	2247
Well type:	NL	Map symbol:	O
Well statu:	EX	Date statu:	Not Reported
Date permi:	2008-11-17 00:00:00	Permit iss:	2008-12-11 00:00:00
Date spudd:	Not Reported	Date total:	Not Reported
Date well :	Not Reported	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	Applicati
Town:	Owego	Quad:	Apalachin
Quadsec:	A	Producing :	New Field Wildcat
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Tioga
Region:	7	State leas:	NA
Proposed d:	5000	Surface lo:	SURF
Surface 00:	-76.239841		
Surface la:	42.088303		
Bottom hol:	BH		
Bottom h00:	-76.239841		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bottom h01:	42.088303	Measured d:	5000
True verti:	5000	Drilleddep:	5000
Kickoff:	0	Original w:	GW
Elevation:	1130	Objective :	Oriskany
Permit fee:	2000	Spacing:	Conforms to statewide spacing under Title 5
Depth fee:	1900	Integratio:	N
Spacing ac:	1	Dt mod:	2009-06-22 11:11:30.670000000
Dt hearing:	2		
Link:	http://www.dec.ny.gov/cfm/xtapps/GasOil/search/wells/index.cfm?api=31107261570000		
Site id:	NYOG80000039825		

3

NW

1/2 - 1 Mile

OIL_GAS

NYOG80000039817

Api wellno:	31107261010000	Cnty:	0
Hole:	26101	Sidetrck:	0
Completion:	0	Well name:	Strong 2
Company na:	PetroEdge Resources WV LLC	Operator n:	2391
Well type:	NL	Map symbol:	O
Well statu:	CA	Date statu:	2009-01-20 00:00:00
Date permi:	2008-03-12 00:00:00	Permit iss:	Not Reported
Date spudd:	Not Reported	Date total:	Not Reported
Date well :	Not Reported	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	Not Reported
Town:	Owego	Quad:	Apalachin
Quadsec:	A	Producing :	New Field Wildcat
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Tioga
Region:	7	State leas:	NA
Proposed d:	4703	Surface lo:	SURF
Surface 00:	-76.23849		
Surface la:	42.09129		
Bottom hol:	BH		
Bottom h00:	-76.23849		
Bottom h01:	42.09129		
True verti:	4703	Measured d:	4703
Kickoff:	0	Drilleddep:	4703
Elevation:	1190	Original w:	GW
Permit fee:	2000	Objective :	Marcellus
Depth fee:	1900	Spacing:	Conforms to statewide spacing under Title 5
Spacing ac:	4	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-01-27 09:27:13.627000000
Link:	http://www.dec.ny.gov/cfm/xtapps/GasOil/search/wells/index.cfm?api=31107261010000		
Site id:	NYOG80000039817		

4

East

1/2 - 1 Mile

OIL_GAS

NYOG80000039724

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31107011470000	Cnty:	0
Hole:	1147	Sidetrck:	0
Completion:	0	Well name:	Decker
Company na:	180 Union Avenue	Operator n:	0
Well type:	DW	Map symbol:	DH
Well statu:	UN	Date statu:	Not Reported
Date permi:	Not Reported	Permit iss:	Not Reported
Date spudd:	1931-08-01 00:00:00	Date total:	Not Reported
Date well :	1931-08-01 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Owego	Quad:	Apalachin
Quadsec:	E	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	Not Reported
Slant:	Vertical	County:	Tioga
Region:	7	State leas:	NA
Proposed d:	0	Surface lo:	SURF
Surface 00:	-76.2069		
Surface la:	42.08313		
Bottom hol:	BH		
Bottom h00:	-76.207247658068		
Bottom h01:	42.0830583055556		
True verti:	0	Measured d:	0
Kickoff:	0	Drilleddep:	0
Elevation:	0	Original w:	NL
Permit fee:	0	Objective :	Not Applicable
Depth fee:	-100	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2003-01-24 15:54:35.967000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31107011470000		
Site id:	NYOG80000039724		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
TIOGA	BARTON	91	13.22	8.62	56.7
TIOGA	BERKSHIRE	37	10.43	5.9	58.4
TIOGA	CANDOR	66	16.8	8.67	142.3
TIOGA	NEWARK VALLEY	78	18.79	7.92	236.8
TIOGA	NICHOLS	32	12.45	6.56	74.9
TIOGA	OWEGO	537	7.79	3.74	154.2
TIOGA	RICHFORD	10	12.62	5.91	50.3
TIOGA	SPENCER	39	12.02	6.08	50.7
TIOGA	TIOGA	26	10.27	4.61	59.5

Federal EPA Radon Zone for TIOGA County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for TIOGA COUNTY, NY

Number of sites tested: 84

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	2.130 pCi/L	71%	26%	3%
Basement	4.140 pCi/L	54%	38%	8%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Owego DPW Parks and Utilities Office Relocation

2354 Route 434

Owego, NY 13827

Inquiry Number: 4506543.9

January 07, 2016

The EDR Aerial Photo Decade Package



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Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography January 07, 2016

Target Property:

2354 Route 434

Owego, NY 13827

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1944	Aerial Photograph. Scale: 1"=500'	Flight Date: May 18, 1944	EDR
1948	Aerial Photograph. Scale: 1"=500'	Flight Date: April 10, 1948	EDR
1957	Aerial Photograph. Scale: 1"=1000'	Flight Date: May 06, 1957	EDR
1960	Aerial Photograph. Scale: 1"=1000'	Flight Date: May 04, 1960	EDR
1968	Aerial Photograph. Scale: 1"=500'	Flight Date: March 30, 1968	EDR
1974	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 20, 1974	EDR
1986	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 01, 1986	EDR
1995	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: March 28, 1995	USGS/DOQQ
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP



INQUIRY #: 4506543.9

YEAR: 1944

 = 500'





INQUIRY #: 4506543.9

YEAR: 1948

| = 500'





INQUIRY #: 4506543.9

YEAR: 1957

 = 1000'





INQUIRY #: 4506543.9

YEAR: 1960

| = 1000'





INQUIRY #: 4506543.9

YEAR: 1968

| = 500'



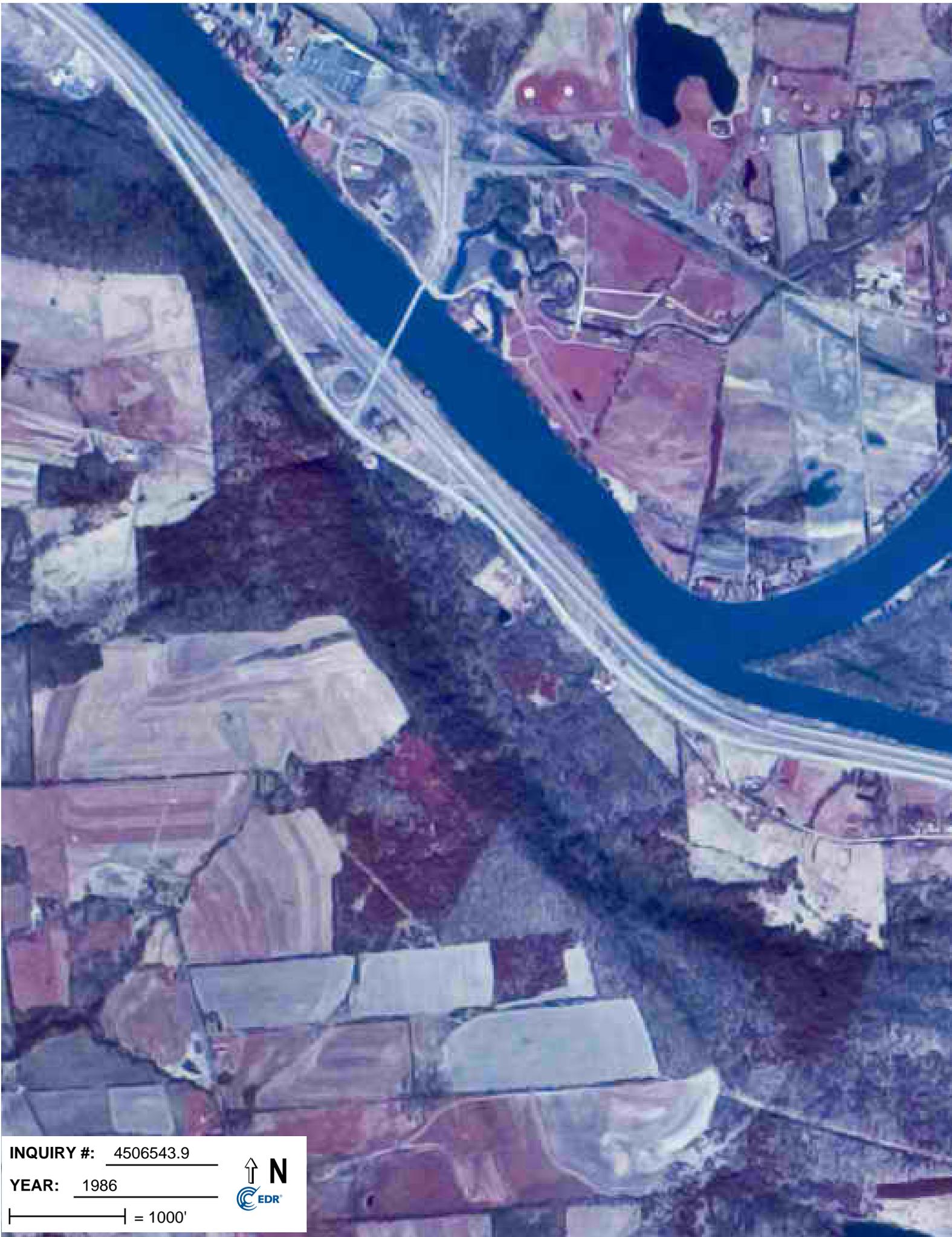


INQUIRY #: 4506543.9

YEAR: 1974

| = 1000'





INQUIRY #: 4506543.9

YEAR: 1986

| = 1000'





INQUIRY #: 4506543.9

YEAR: 1995

| = 500'





INQUIRY #: 4506543.9

YEAR: 2006

| = 500'





INQUIRY #: 4506543.9

YEAR: 2008

| = 500'





INQUIRY #: 4506543.9

YEAR: 2009

| = 500'





INQUIRY #: 4506543.9

YEAR: 2011

| = 500'



Owego DPW Parks and Utilities Office Relocation

2354 Route 434
Owego, NY 13827

Inquiry Number: 4506543.5
January 07, 2016

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

2354 Route 434
Owego, NY 13827

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

STATE ROUTE 434

2013	pg A1	Cole Information Services
2008	pg A2	Cole Information Services
2003	pg A3	Cole Information Services
1999	pg A4	Cole Information Services
1995	pg A5	Cole Information Services
1992	pg A6	Cole Information Services

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

STATE ROUTE 434 2013

786	AMERIPRIDE
888	ALL AROUND STORAGE OWEGO
1088	THE HEARTH SHOP AT JOHNSONS
1108	BIG BELLYS DELI
1114	SOUTHERN TIER MASSAGE & WELLNESS
1116	WELLS FAMILY CHIROPRACTIC
1118	MERRY MAIDS 4334 NY
1120	CHRIS WHITE HOME IMPROVEMENTS



-

STATE ROUTE 434 2008

786	AMERIPRIDE SERVICE
1000	84 LUMBER CO
1088	JOHNSONS POOLS & SPAS
	THE HEARTH SHOP AT JOHNSONS POOLS AN
1114	SOUTHERN TIER MASSAGE
2354	TOWN OF OSWEGO



-

STATE ROUTE 434 2003

786 AMERIPRIDE LINEN & APRL SRVC
1000 84 LUMBER CO
1088 AUDRA KEMMERLING
2354 OWEGO TOWN OF TOWN HALL

Target Street

Cross Street

Source

✓

-

Cole Information Services

STATE ROUTE 434 1999

786 AMERIPRIDE LINEN AND APPAREL SERVICES

Target Street

Cross Street

Source

✓

-

Cole Information Services

STATE ROUTE 434

1995

786 AMERICAN LINEN SUPPLY CO
1000 84 LUMBER CO



-

STATE ROUTE 434 1992

786 AMERICAN LINEN SUPL CO COVERALL SVCE SUPL DIV
1000 84 LUMBER CO



Owego DPW Parks and Utilities Office Relocation

2354 Route 434

Owego, NY 13827

Inquiry Number: 4506543.3

January 06, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

1/06/16

Site Name:

Owego DPW Parks and Utilities
2354 Route 434
Owego, NY 13827

Client Name:

Foit-Albert Associates
Arch., Engineering & Surveying
Buffalo, NY 14203



EDR Inquiry # 4506543.3

Contact: Georgie Nugent Lussier

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Foit-Albert Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Owego DPW Parks and Utilities Office
Address: 2354 Route 434
City, State, Zip: Owego, NY 13827
Cross Street:
P.O. # NA
Project: Owego DPW Phase I ESA
Certification # 044C-4339-B626



Sanborn® Library search results
Certification # 044C-4339-B626

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Owego DPW Parks and Utilities Office Relocation

2354 Route 434

Owego, NY 13827

Inquiry Number: 4506543.4

January 06, 2016

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

01/06/16

Site Name:

Owego DPW Parks and Utilities
2354 Route 434
Owego, NY 13827
EDR Inquiry # 4506543.4

Client Name:

Foit-Albert Associates
Arch., Engineering & Surveying
Buffalo, NY 14203
Contact: Georgie Nugent Lussie



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Foit-Albert Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

Site Name:	Owego DPW Parks and Utilities	Latitude:	42.0841 42° 5' 3" North
Address:	2354 Route 434	Longitude:	-76.2253 -76° 13' 31" West
City,State,Zip:	Owego, NY 13827	UTM Zone:	Zone 18 North
P.O.#	NA	UTM X Meters:	398656.50
Project:	Owego DPW Phase I ESA	UTM Y Meters:	4659840.16
		Elevation:	847.52' above sea level

Maps Provided:

2013
1969
1956
1906
1904
1901

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Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

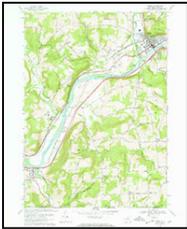


Apalachin
2013
7.5-minute, 24000

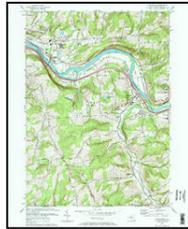


Owego
2013
7.5-minute, 24000

1969 Source Sheets

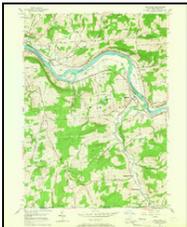


Owego
1969
7.5-minute, 24000
Aerial Photo Revised 1968



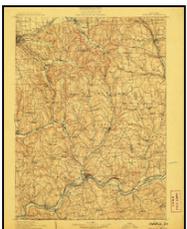
Apalachin
1969
7.5-minute, 24000
Aerial Photo Revised 1968

1956 Source Sheets



Apalachin
1956
7.5-minute, 24000
Aerial Photo Revised 1948

1906 Source Sheets

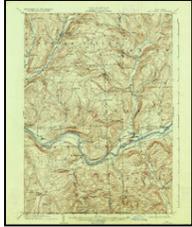


Catatonk
1906
30-minute, 125000

Topo Sheet Thumbnails

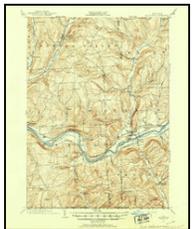
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1904 Source Sheets

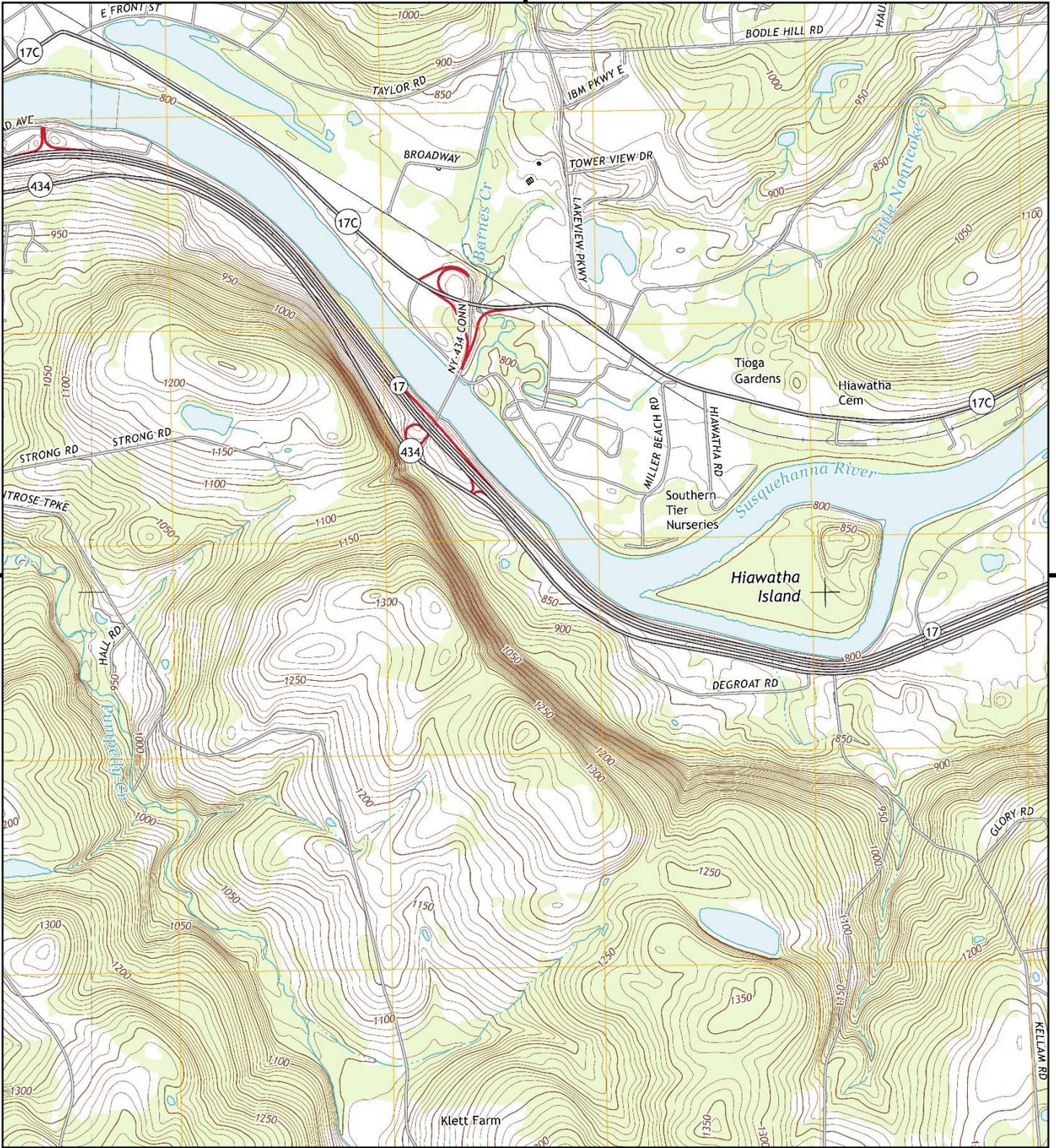


Apalachin
1904
15-minute, 62500

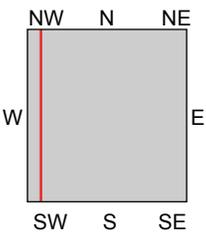
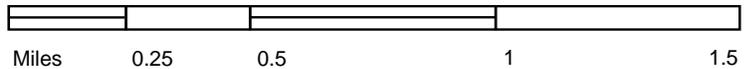
1901 Source Sheets



Apalachin
1901
15-minute, 62500



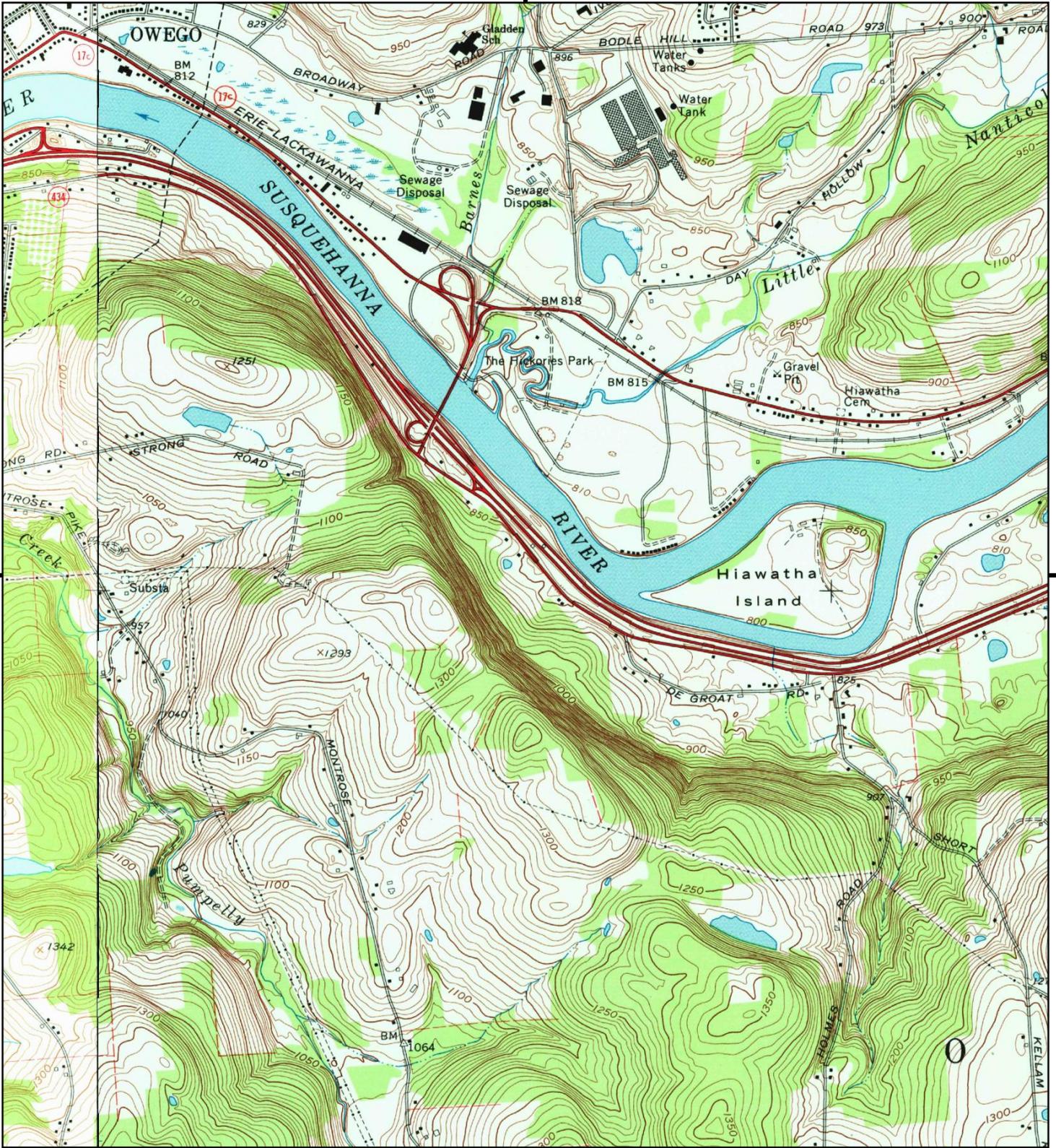
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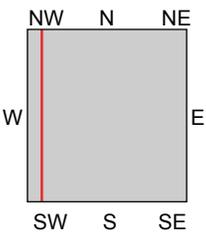
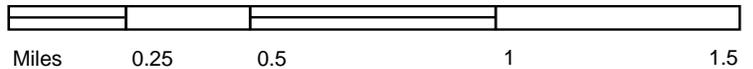
TP, Apalachin, 2013, 7.5-minute
 W, Owego, 2013, 7.5-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates





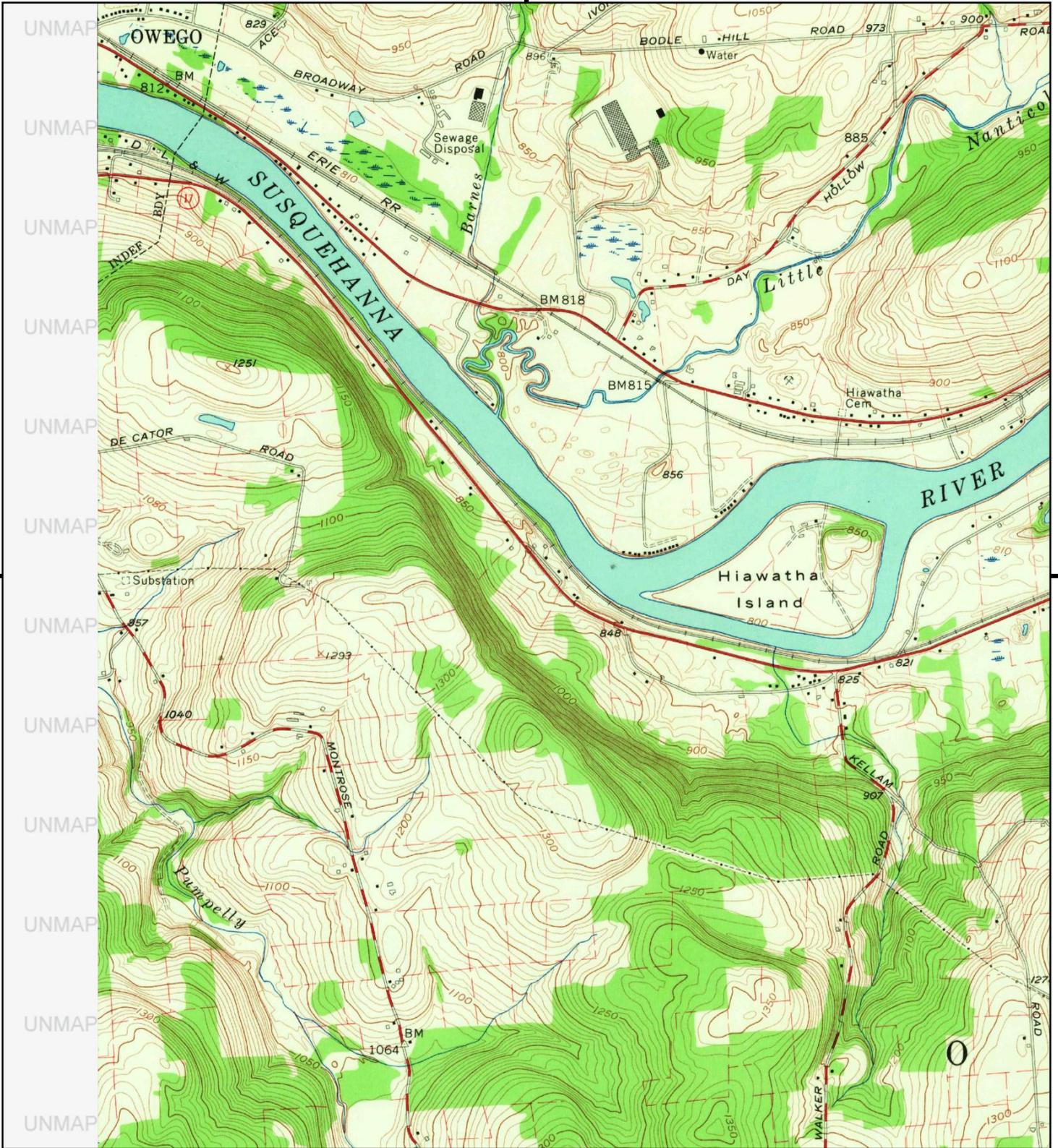
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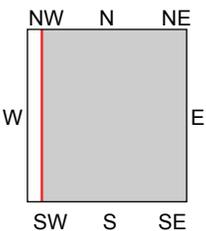
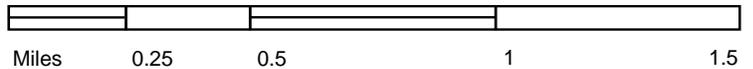
TP, Apalachin, 1969, 7.5-minute
 W, Owego, 1969, 7.5-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates





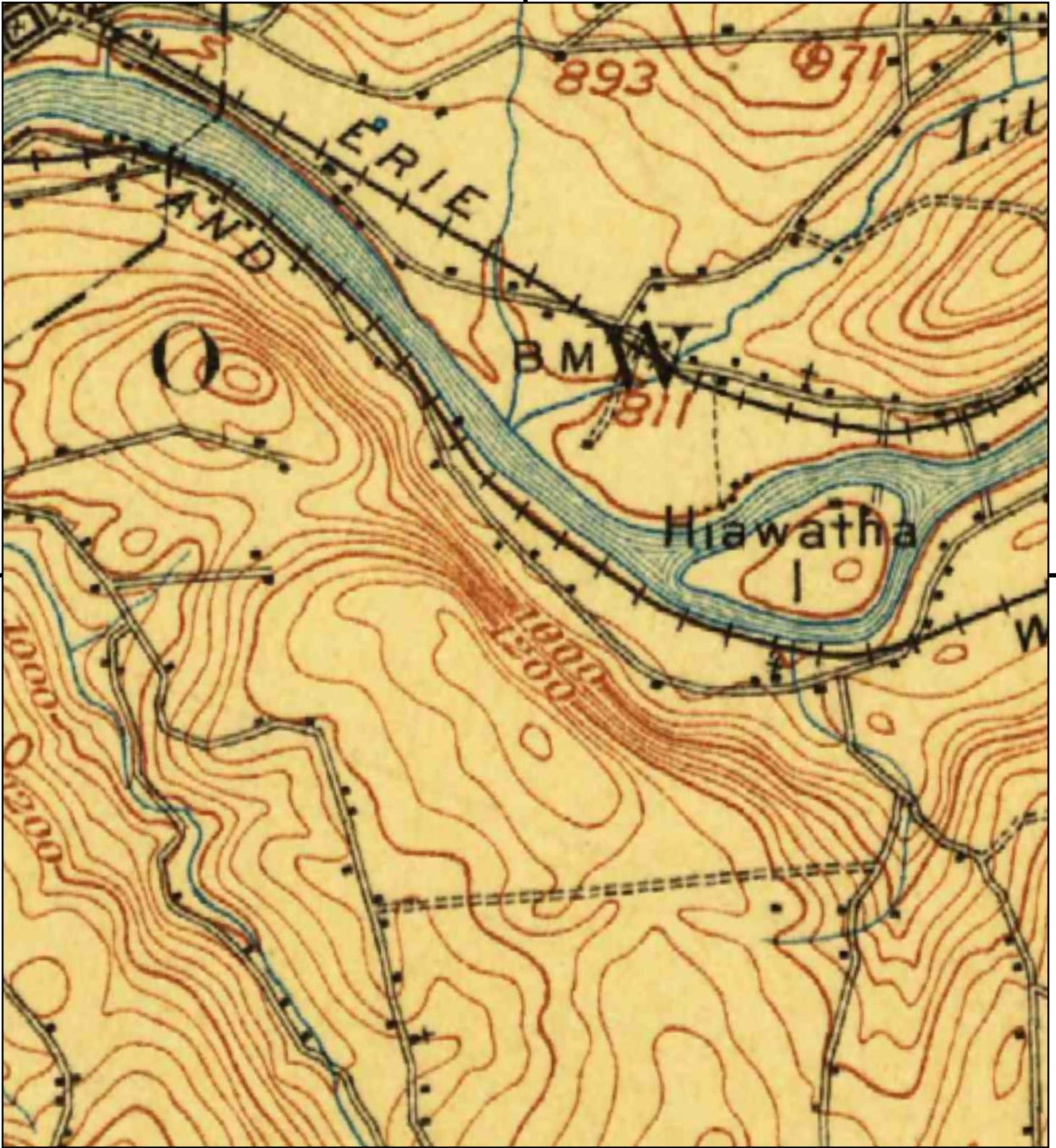
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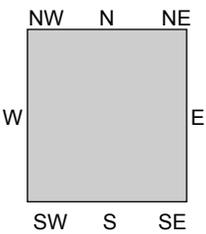
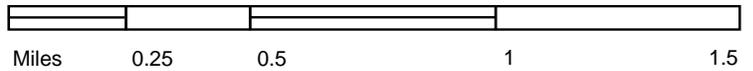
TP, Apalachin, 1956, 7.5-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates





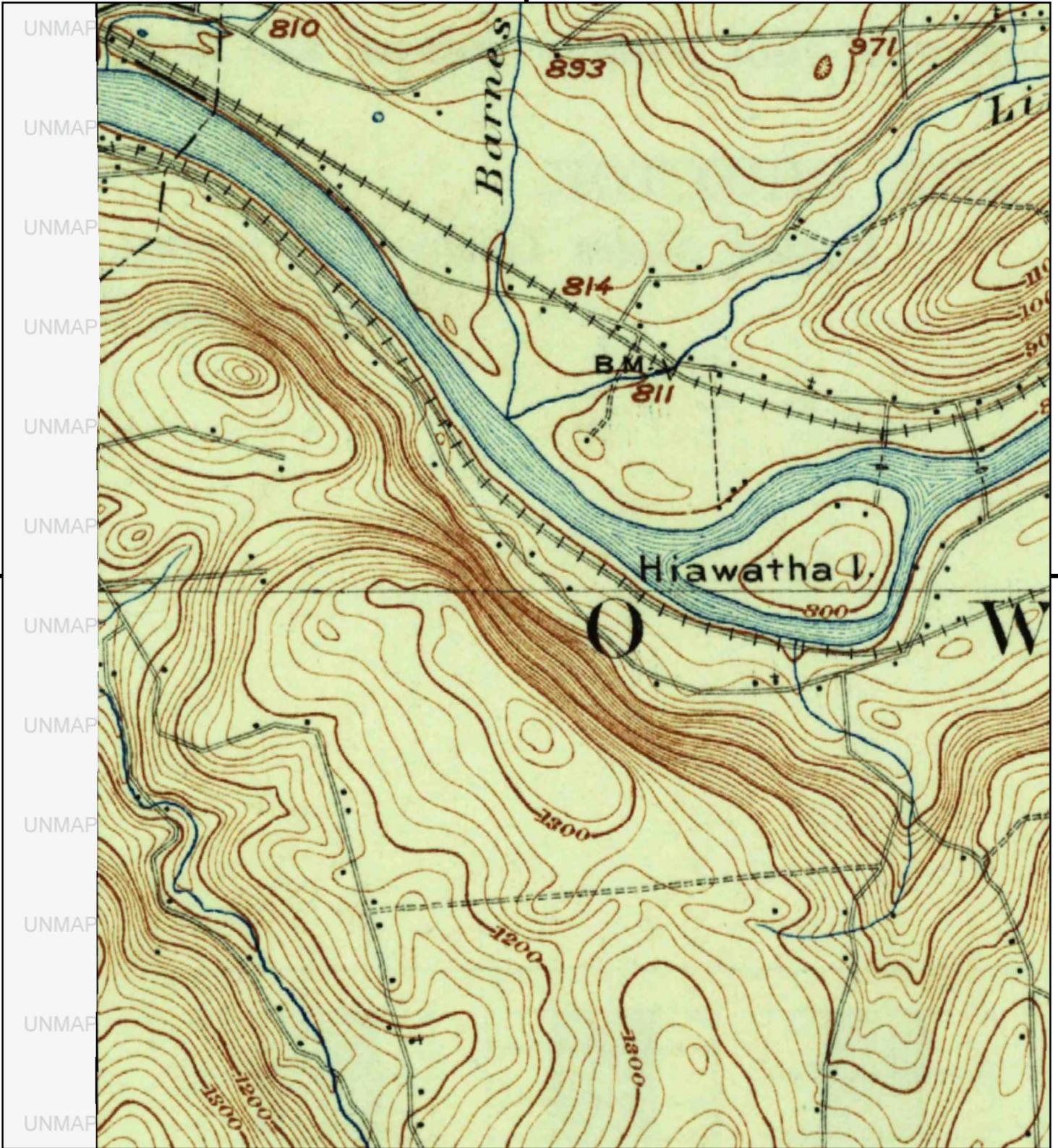
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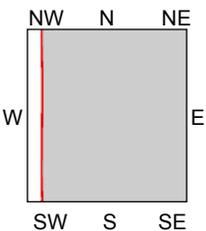
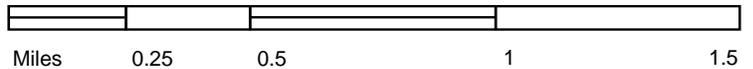
TP, Catatunk, 1906, 30-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates





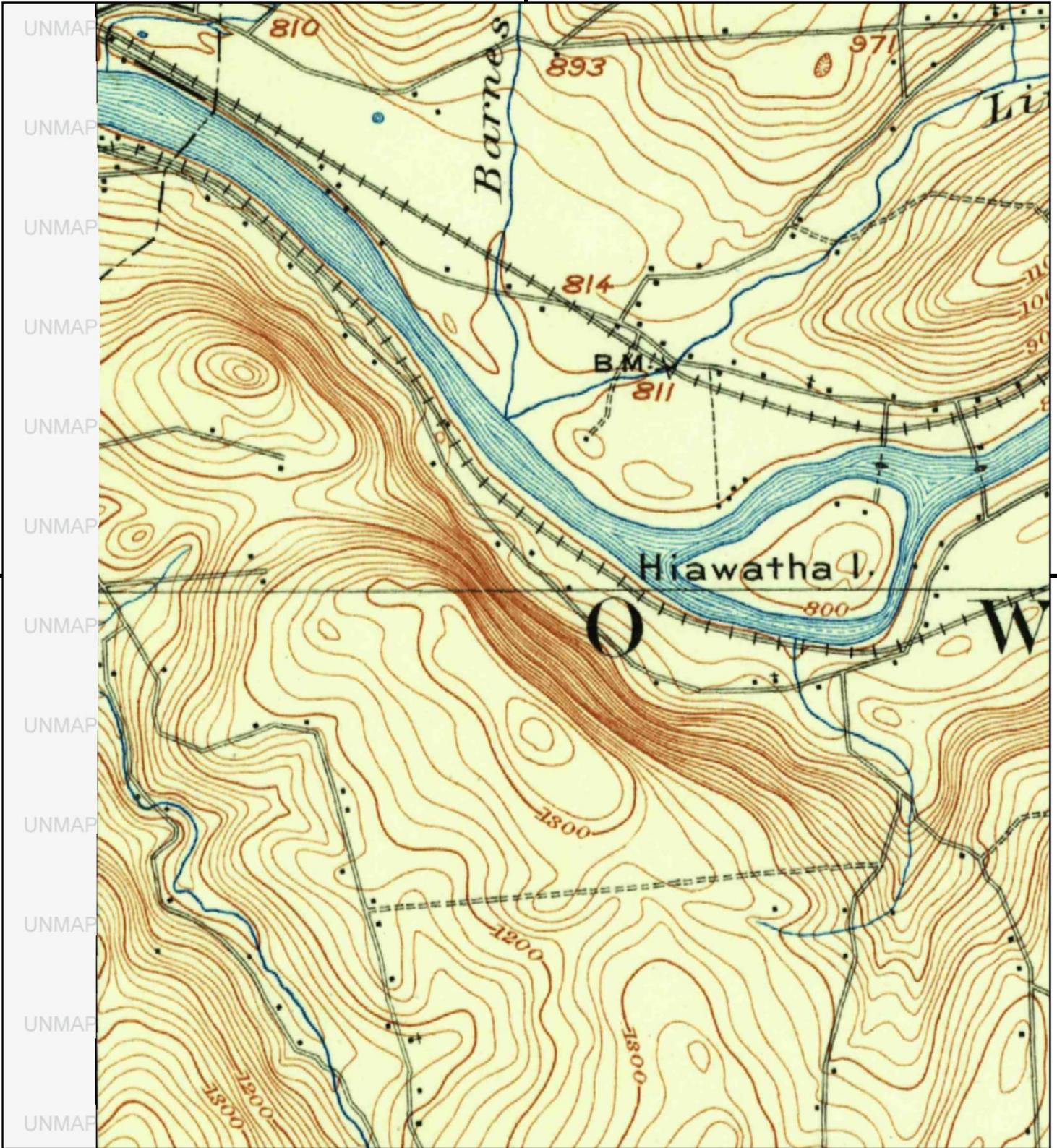
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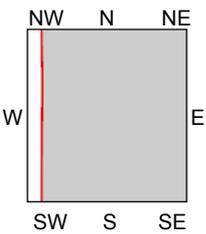
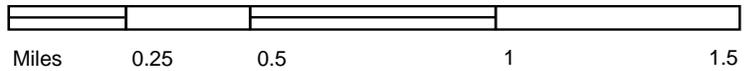
TP, Apalachin, 1904, 15-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates





This report includes information from the following map sheet(s).



TP, Apalachin, 1901, 15-minute

SITE NAME: Owego DPW Parks and Utilities Office Re
 ADDRESS: 2354 Route 434
 Owego, NY 13827
 CLIENT: Foit-Albert Associates



January 6, 2016

Kenneth P. Lynch
Regional Director
Region 7 Headquarters
615 Erie Blvd. West
Syracuse, New York 13204-2400

RE: 2354 State Route 434, Apalachin, New York 13732

Dear Mr. Lynch:

Foit-Albert Associates is completing a Phase I Environmental Site Assessment for the above referenced site. Enclosed, please find site location map depicting the approximate area of the project.

We respectfully request, under the Freedom of Information Law, any available information pertaining to the above listed parcels regarding the following:

- Inactive Hazardous Waste Sites
- Hazardous Substance Waste Disposal Sites
- Oil spills, Waste Incident Reports and Chemical Release Reports
- Records of Registered Chemical or Petroleum Storage Tanks (USTs and ASTs)

Thank you for your anticipated cooperation. If you have any questions, please call me at 518-605-4878 or e-mail at gnugent@foit-albert.com.

Sincerely,

FOIT-ALBERT ASSOCIATES
Architecture, Engineering and Surveying, P.C.



Georgeanna Nugent Lussier
Environmental Scientist

Enc.

January 6, 2016

Ms. Wanda Calderon
Public Outreach Branch
United States Environmental Protection Agency - Region II
290 Broadway
New York, New York 10007-1866

RE: 2354 State Route 434, Apalachin, New York 13732

Dear Ms. Calderon:

Foit-Albert Associates is completing a Phase I Environmental Site Assessment for the above referenced site. Enclosed, please find a site location map depicting the approximate area of the project.

We respectfully request, under the Freedom of Information Law, any available information on the hazardous waste conditions or incident reports that may be contained in the United States Environmental Protection Agency (USEPA) Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS). Also provide any information gained through the Superfund Amendments and Reauthorization Act (SARA) and the Resource Conservation and Recovery Act (RCRA).

Thank you for your anticipated cooperation. If you have any questions, please call me at 518-605-4878 or e-mail at gnugent@foit-albert.com.

Sincerely,

FOIT-ALBERT ASSOCIATES
Architecture, Engineering and Surveying, P.C.



Georgeanna Nugent Lussier
Environmental Scientist

Enc.

January 6, 2016

Rebecca Kaufman
Interim Director
Tioga County Department of Health
1062 State Route 38
PO Box 120
Owego, New York 13827

RE: 2354 State Route 434, Apalachin, New York 13732

Dear Ms. Kaufman:

Foit-Albert Associates is completing a Phase I Environmental Site Assessment for the above referenced site. Enclosed, please find a site location map depicting the approximate area of the project.

We would appreciate any information or concerns that the Westchester County Department of Public Health may have regarding the following:

- Chemical and petroleum storage tanks, spill records, toxic waste dump/wastewater discharge;
- Monitoring data, regulatory non-compliance notices, documents or studies regarding any health and environmental problems; and
- Any information you may provide concerning *recognized environmental conditions* on or related to the subject property would be appreciated.

Please feel free to contact our office if you have any questions. Thank you for your anticipated cooperation. If you have any questions, please call me at 518-605-4878 or e-mail at gnugent@foit-albert.com.

Sincerely,

FOIT-ALBERT ASSOCIATES
Architecture, Engineering and Surveying, P.C.



Georgeanna Nugent Lussier
Environmental Scientist

Enc.

January 6, 2016

Fire Chief Mike George
Apalachin Fire Department
PO Box 572
Apalachin, NY 13732-0572

RE: 2354 State Route 434, Apalachin, New York 13732

Dear Chief George:

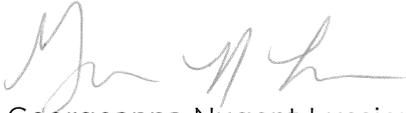
Foit-Albert Associates is completing a Phase I Environmental Site Assessment for the above referenced site. Enclosed, please find a site location map depicting the approximate area of the project.

We would appreciate any information or concerns that the Fire Bureau may have regarding emergency responses to the subject properties and past or present releases of hazardous substances and/or petroleum products within the area. In addition, any information you may provide concerning *recognized environmental conditions* on or related to the subject property would be appreciated.

Thank you for your anticipated cooperation. If you have any questions, please call me at 518-605-4878 or e-mail at gnugent@foit-albert.com.

Sincerely,

FOIT-ALBERT ASSOCIATES
Architecture, Engineering and Surveying, P.C.



Georgeanna Nugent Lussier
Environmental Scientist

Enc.

Georgeanna Nugent Lussier

CHMM, Senior Project Manager

Ms. Nugent Lussier has 14 years of environmental consulting experience in managing environmental tasks for various public and private projects. She has conducted numerous wetland delineations, state and federal wetland permitting, stormwater assessments, and environmental assessments under the guidance of SEQRA and NEPA, for various municipal and private projects across New York. She has a Master's degree in Environmental Science and Engineering and is also a certified hazardous materials manager and an asbestos inspector.

Mercy College Environmental Evaluation and Asbestos Services

Dobbs Ferry, NY

Ms. Nugent Lussier conducted an environmental evaluation of the entire campus including materials storage, potential asbestos containing materials, and an update to their aboveground storage tank (AST) Spill Prevention, Control, and Countermeasure (SPCC) Plan. (2014) *Environmental Engineer*

Commercial Property Phase I ESA

Dobbs Ferry, NY

Completed a Phase I Environmental Site Assessment on a commercial property located in Dobbs Ferry, New York and adjacent to the Hudson River. (2014) *Environmental Scientist*

Adaptive Reuse Study – Trico Factory Building

Buffalo, NY

Reviewed environmental assessments undertaken during the past 20 years; conducted a full building environmental inspection, and prepared a sampling and analysis plan. This plan identified the cleaning and testing required for assessing baseline remediation costs for the historic structure which is on the National Register for Historic Preservation. (2012) *Environmental Scientist*

Grahamsville Hydro Power Plant Site Assessment

Sullivan County, NY

Ms. Nugent Lussier performed a site inspection and surficial and subsurface soil sampling within the transformer storage yard. The purpose of the investigation was to evaluate soil conditions prior to excavation and disposal.

St. John's Project Lift Phase I ESA and Asbestos Sampling

Albany, NY

Ms. Nugent Lussier conducted a Phase I ESA and asbestos sampling for an existing building prior to a property transaction and renovation activities. The Phase I ESA was completed in accordance with the standard developed by the American Society for Testing Materials ASTM entitled E 1527-05 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process).

New York Power Authority Environmental Audits

*Saint Lawrence Franklin D Roosevelt Power Project, Massena, NY
Robert Moses Niagara Power Plant, Niagara Falls, NY*

Ms. Nugent Lussier conducted complete internal environmental audits of two New York Power Authority projects located in upstate NY. The audits were conducted by a thorough and interactive process which included a complete site reconnaissance and a records review of all environmental documentation and permits.

Years Experience

Total Years Experience: 14
Years with Foit-Albert: 4

Education

M.S., Environmental Science and Engineering,
Colorado School of Mines, 1999

B.S. Environmental Science
SUNY Plattsburgh, 1998

B.A. Geology, SUNY Plattsburgh, 1998

OSHA 40-hour training, updated yearly

Certified Hazardous Materials Manager (CHMM)

New York State Department of Health Asbestos
Inspector

Affiliations

Capital District Transportation Authority,
Board Member

City of Saratoga Springs,
Design Review Commission

Leadership Saratoga, Class of 2008

Air and Waste Water Management Association,
Education Committee and Past Chair (2010)

Certifications

Asbestos Building Inspector
#07-00198

Appendix D – USFWS, NYSDEC, and NYNHP Correspondence



Governor's Office of Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

December 6, 2016

Ms. Robyn Niver
Endangered Species Biologist
U.S. Fish & Wildlife Service
New York Field Office (Region 5)
3817 Luker Rd.
Cortland, NY 13045

Re: ESA/MBTA/BGEPA consultation for the Town of Owego New Garage in Owego, Tioga, NY

Dear Ms. Niver:

The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the Department of Housing & Urban Development (HUD), is preparing an Environmental Assessment (EA) for the construction of a new 32,800 sf garage facility to house critical municipal operations for the Town of Owego (see attached figures). This facility will be built adjacent to the existing Owego Town Hall. During emergency responses the building will be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations and to house the sewer and water department, parks office and DPW office. Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant or construction of an on-site septic and leachate field. GOSR is acting as HUD's non-federal representative for the purposes of conducting consultation pursuant to Section 7 of the Endangered Species Act.

GOSR is initiating informal consultation with your office concerning the proposed action in accordance with the following laws: Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), Migratory Bird Treaty Act of 1918 (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act of 1940 (BGEPA) (54 Stat. 240, as amended; 16 U.S.C. 668-668c).

Program Overview

The purpose of the project is to move the Town of Owego municipal facilities out of the 100-year floodplain to ensure the continued operation of town operations during flood events. The Town of Owego was particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, critical town facilities are located in the floodplain and are vulnerable during large storm events. Relocating the Town of Owego municipal facilities outside of the floodplain will allow for continuity of services. The area where the proposed project will take place is located adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat.42.082329, Long. -76.226042).

The proposed project will include consolidation of municipal operations into one campus, which will lead to cost savings as well. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations during storm events. The need for the project was identified in the Long Term Community Recovery Strategy and 2014 New York Rising Community Recover Tioga Plan.

Approximately 3 acres of land will be cleared of trees for the construction of a new town garage, septic system, supply well, parking and storm drainage basins (see attached Figure 3).

Compliance

ESA - According to the USFWS IPaC Trust Resource Report and list of threatened and endangered species, there is one threatened species that is potentially associated with the project site – the Northern Long Eared Bat (NLEB) (*Myotis septentrionalis*) (see Attachments 1 and 5). The official species list for the proposed project indicated that there is no critical habitat in the project area. There are currently no known maternity roost trees or hibernacula known to be occupied by NLEB within the vicinity of the project location according to geospatial information provided by the USFWS (see attached Figure 5). The project will include clearing of approximately 3.0 acres of trees that may take place during the active season (April-October); it will most likely occur during March and April and will take approximately one week.

The NLEB, listed as federally threatened, is a temperate, insectivorous bat whose life cycle can be coarsely divided into two primary phases - reproduction and hibernation. NLEB hibernate in caves or mines during winter and then emerge in early spring, with males dispersing and remaining solitary until mating season at the end of the summer, and pregnant females forming maternity colonies in which to rear young. No caves or mines occur near the project site. Summer habitat of the NLEB generally includes upland and riparian forest within heavily forested landscapes (Ford et al. 2005, Henderson et al. 2008). The NLEB is sensitive to fragmentation and urbanization, and requires interior forest for both foraging and breeding (Foster and Kurta 1999, Broders et al. 2006, Henderson et al. 2008). Roost trees are usually in intact forest, close to the core and away from large clearings, roads, or other sharp edges (Menzel et al. 2002, Owen et al. 2003, Carter and Feldhammer 2005). The project site is a wooded area surrounded to the north by State Route 434 and 17 and the Susquehanna River, to the east by the Owego Town Hall and associated parking, to the south wooded area followed by wood area and open field (farm field) and to the west a pond and residence (see attached Figures 1 through 4).

Approximately 3.0 acres of tree removal will occur, and may occur between April and October (most likely in March or April) (see Figure 3). There is the potential for active season tree removal. Therefore, GOSR determines that this project may affect the NLEB, but that any resulting incidental takes of the NLEB is not prohibited by the final 4(d) rule (see attached Streamlined Consolation Form, Attachment 4). All activities associated with the proposed project will not:

- 1) disturb hibernating NLEBs in a known hibernaculum;
- 2) alter the entrance or interior environment of a known hibernaculum;
- 3) remove any trees within 0.25 miles of a known hibernaculum at any time of year; or
- 4) cut or destroy known occupied maternity roost trees, or any other trees within a 150-foot radius from the maternity roost tree, during the pup season (June 1 through July 31).

If the USFWS does not respond within 30 days from submittal of this form, GOSR may presume that its determination is informed by the best available information and that its project responsibilities under 7(a)(2) with respect to the NLEB are fulfilled through the USFWS January 5, 2016, “Programmatic Biological Opinion (BO) on the Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted

from Take Prohibitions.” GOSR will update this determination annually for multi-year activities.

GOSR understands that the USFWS presumes that all activities are implemented as described herein. GOSR will promptly report any departures from the described activities to the New York Field Office. GOSR will provide the New York Field Office with the results of any surveys conducted for the NLEB. Involved parties will promptly notify the New York Field Office upon finding a dead, injured, or sick NLEB.

MBTA – According to the USFWS IPaC Trust Resource Report, accessed December 12, 2016, there are several migratory birds of concern that could potentially be affected by the proposed project (see Attachment 2). The project takes place within the Atlantic Flyway. GOSR determined that the project would have no significant adverse impact on migratory birds or their habitat. It is anticipated that passerine birds would temporarily leave the area during construction due to noise and disturbance. There is a small likelihood that a nest in vegetation could be cleared or be disturbed. Attachment 4 provides a summary of the migratory birds associated habitat. Several species may be associated with the habitat provided by the Project Site. Tree clearing is anticipated to occur in March and would not likely disturb nesting or breeding activities of those species of birds for which the Project Site provides habitat.

BGEPA – Bald Eagle (*Haliaeetus leucocephalus*) habitat and breeding sites can be found throughout Tioga County. According to the NYSDEC a nesting site is located on Hiawatha Island greater than 660 feet from the Project Site. GOSR has determined that the proposed action will not likely to adversely affect the Bald Eagle due to distance to the nest. Additionally, GOSR is consulting with NYSDEC to identify mitigation measures to ensure that construction activities do not affect the Bald Eagle and will require the applicant to obtain any necessary permits identified by NYSDEC to protect the Bald Eagle. GOSR has contacted NYSDEC Permit staff at the NYSDEC Region 7 Office to identify potential impacts of your project on the Bald Eagle and the Wildlife Manager on how to avoid, minimize, or mitigate any impacts.

If you have questions or require additional information regarding this request, please contact me at (518) 474-0647 or alicia.shultz@nyshcr.org. Thank you for your time and consideration.

Sincerely,



Alicia Shultz
Community Developer – Environmental Services
New York State Homes and Community Renewal
38-40 State Street, Hampton Plaza
Albany NY 12207

Enclosures:**Figures:**

- Figure 1: Project Layout Map
- Figure 2: Project Layout Aerial Map
- Figure 3: Project Tree Clearing Plan
- Figure 4: Aerial Map
- Figure 5: Bat Occurrences
- Figure 6: Project Location Aerial
- Figure 7: Project Site Map
- Figure 8: DEC Mapper Results
- Figure 9: Aerial View
- Figure 10: FEMA Wetland Map
- Figure 11: NWI Wetlands
- Figure 12: NYS DEC Freshwater Wetlands
- Figure 13: FEMA Firm Map

Attachments:

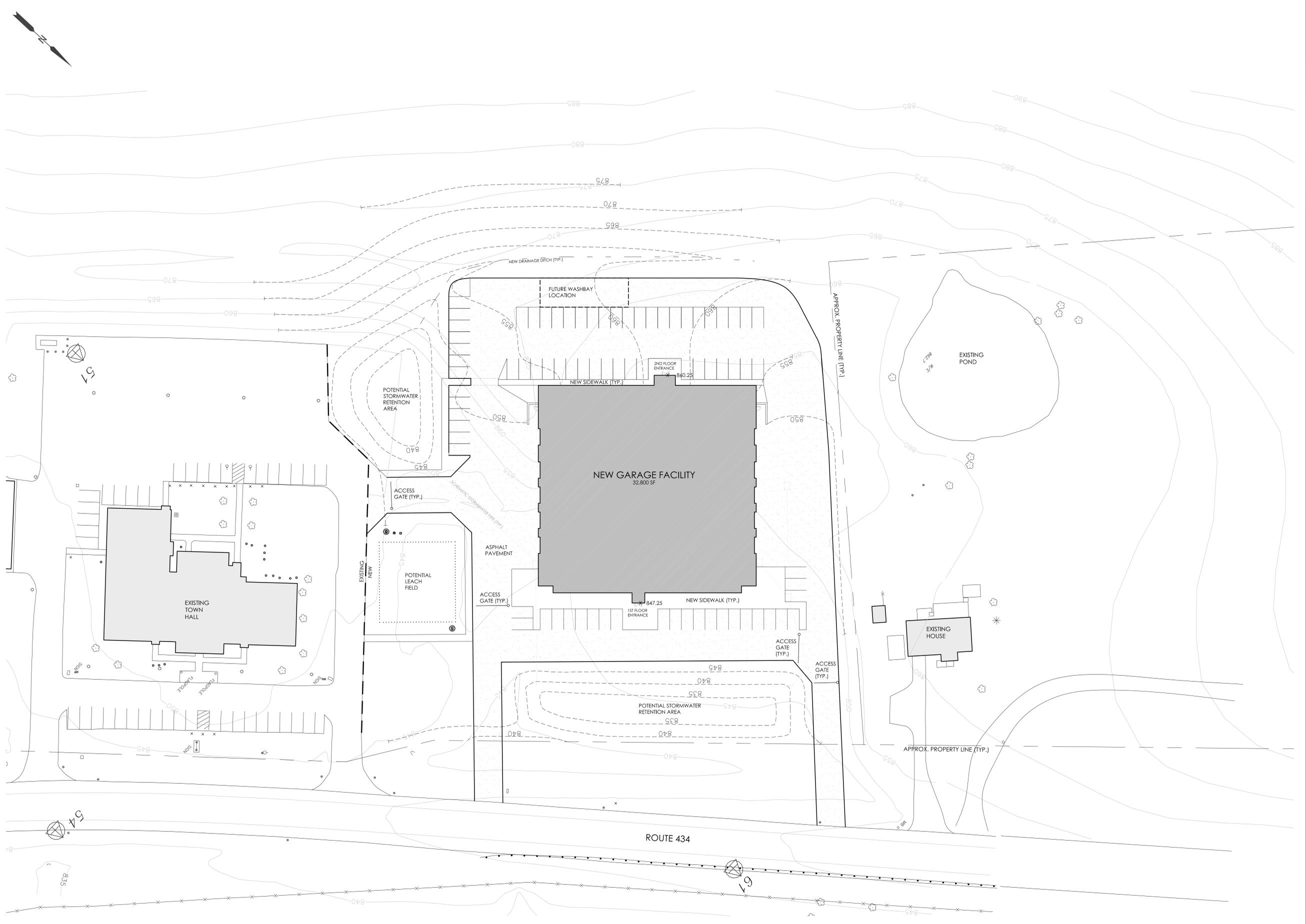
1. USFWS List of Threatened and Endangered Species – Official List
2. Migratory Birds - IPaC
3. Migratory Bird List – Habitat Summary
4. Northern Long-eared Bat 4(d) Rule Streamlined Consultation Form
5. Species Conclusions Table

Plotted By: Don Need

Date last plotted: 11/17/2016 2:54 PM

Date last accessed: 11/17/2016 1:59 PM

Drawing Name: J:\PROJECTS\Town of Owego\Shared Municipal\Design\08_CAD\AutoCAD\Civil\C201_C200_NOV_2016_DEC.dwg



1
C201
PROPOSED SITE PLAN
SCALE: 1" = 30'

Figure 1

REVISIONS NO.	DATE	BY	CHKD	DESCRIPTION

OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APULACIN, NEW YORK 13922

DATE	DRAWN	CHECKED
11/16/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED SITE PLAN		

PROJECT NUMBER	13688.00
SMF	C201
DRAWING NUMBER	

THIS DOCUMENT IS THE PROPERTY OF CLARK PATTERSON LEE ARCHITECTURE ENGINEERING AND PLANNING. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE TITLE BLOCK. ANY REUSE OR MODIFICATION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF CLARK PATTERSON LEE ARCHITECTURE ENGINEERING AND PLANNING IS STRICTLY PROHIBITED.



Drawing Name: J:\PROJECTS\Town of Owego\Shared Municipal\Design\08_CAD\AutoCAD\Civil\C201_C202_NOV_2016_DECDwg Date last accessed: 11/17/2016 1:59 PM Date last plotted: 11/17/2016 2:51 PM Plotted By: Don Need

1
C202 **PROPOSED SITE PLAN WITH AERIAL UNDERLAY**
 SCALE: 1" = 30'

Figure 2

REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION

OWEGO SHARED MUNICIPAL
FACILITY PROJECT

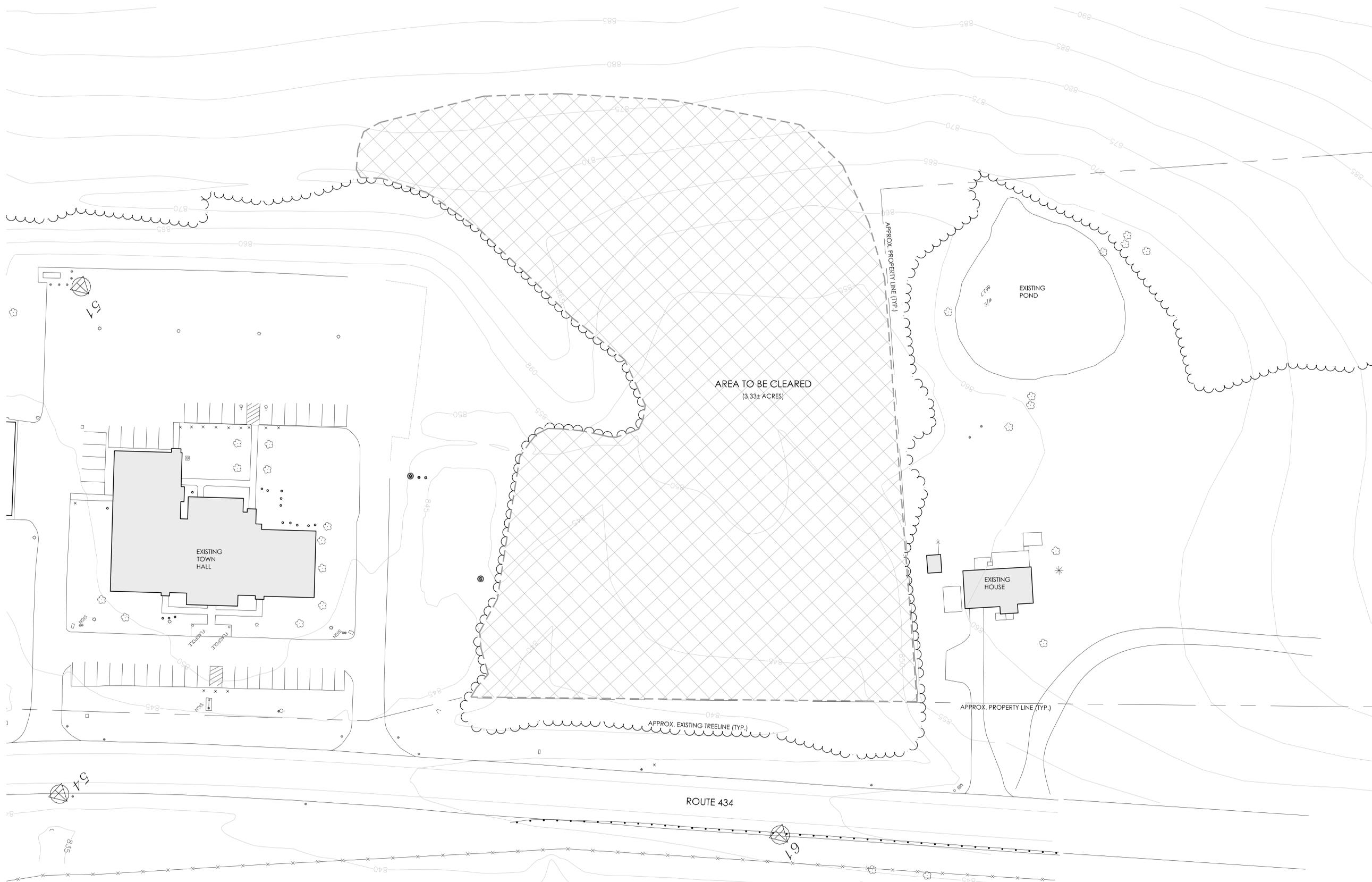
TOWN OF OWEGO
 2354 NY State Route 434
 APPLACHTIN, NEW YORK 13922

DATE	DRAWN	CHECKED
11/16/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED SITE PLAN WITH AERIAL UNDERLAY		

PROJECT NUMBER	13688.00
SMF	C201
DRAWING NUMBER	

THE AERIAL UNDERLAY IS A PHOTOGRAPHIC COPY OF AN AERIAL PHOTOGRAPH TAKEN BY THE TOWN OF OWEGO. THE TOWN OF OWEGO IS NOT RESPONSIBLE FOR THE ACCURACY OF THE AERIAL UNDERLAY. THE AERIAL UNDERLAY IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE AERIAL UNDERLAY IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE AERIAL UNDERLAY IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE AERIAL UNDERLAY IS NOT TO BE USED FOR ANY OTHER PURPOSE.

Drawing Name: J:\PROJECTS\Town of Owego\Shared Municipal\Design\08_CAD\AutoCAD\Civil\C200_NOV_2016_DEC.dwg Date last accessed: 11/28/2016 5:19 PM Date last plotted: 11/29/2016 1:26 PM Plotted By: Don Need



1
C200
PROPOSED TREE CLEARING PLAN
SCALE: 1" = 30'

Figure 3

REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION

--

OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APULACIN, NEW YORK 13222

DATE	DRAWN	CHECKED
11/30/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED TREE CLEARING PLAN		

PROJECT NUMBER	13688.00
SMF	C200
DRAWING NUMBER	

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Google earth

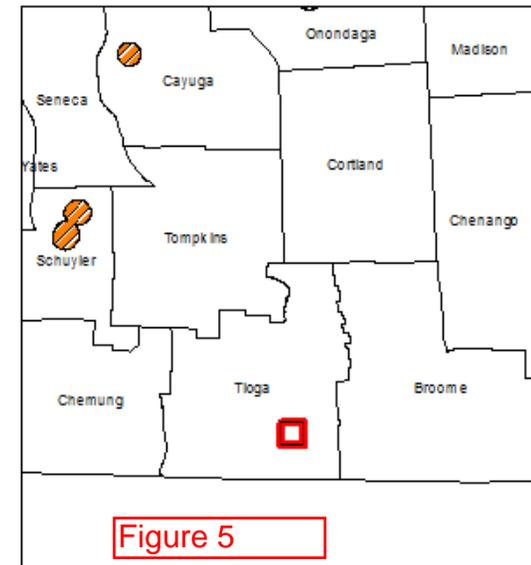


Owego New Garage - Project Area
Figure 4

NYS Resources Map

Village and town of Owego municipal facilities
Tioga County, NY

Prepared by AMP on 11/29/2016



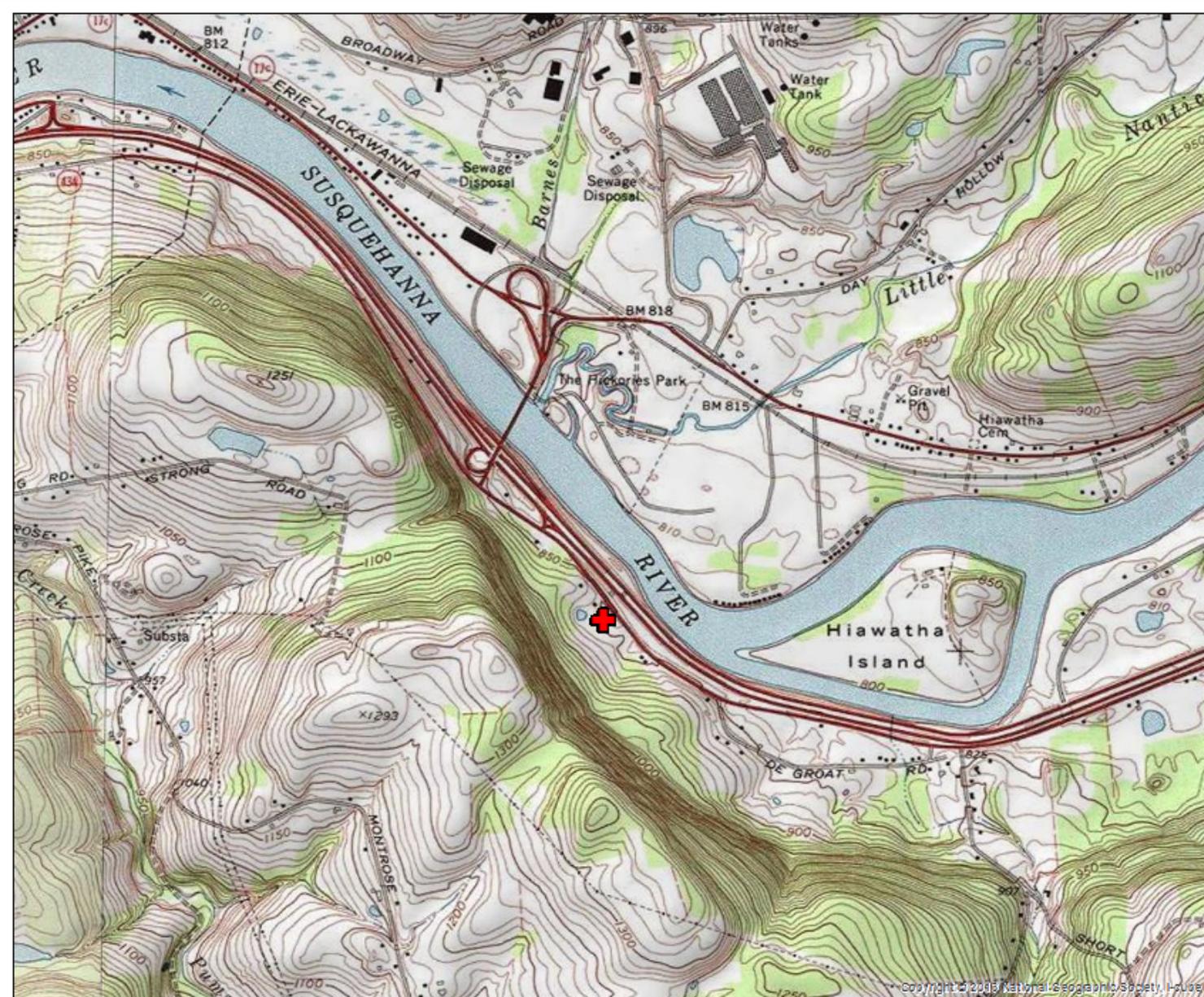
 Proposed project location

Bat Occurrences

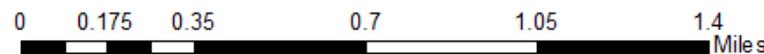
 Indiana Bat

 Northern Long-eared Bat

Disclaimer: This map was prepared by the NYSDEC using the most current data available. It is deemed accurate but is not guaranteed. NYSDEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data. This map may contain information that is considered sensitive and therefore the distribution of this map is strictly prohibited.



Department of
Environmental
Conservation



1 inch = 1,500 feet



1 PROJECT LOCATION
SCALE: NTS

Figure 6



2 PROJECT LOCATION (DETAIL)
SCALE: NTS



REVISIONS NO.	DATE	BY	CHKD	DESCRIPTION



OWEGO SHARED MUNICIPAL FACILITY PROJECT

TOWN OF OWEGO
2334 NY State Route 434
APPLACHIN, NEW YORK 13722

DATE	DRAWN	CHECKED
11/30/16	DMN	
SCALE	NTS	
SHEET TITLE		
PROJECT LOCATION		

PROJECT NUMBER	13688.00
SMF	
C100	
DRAWING NUMBER	

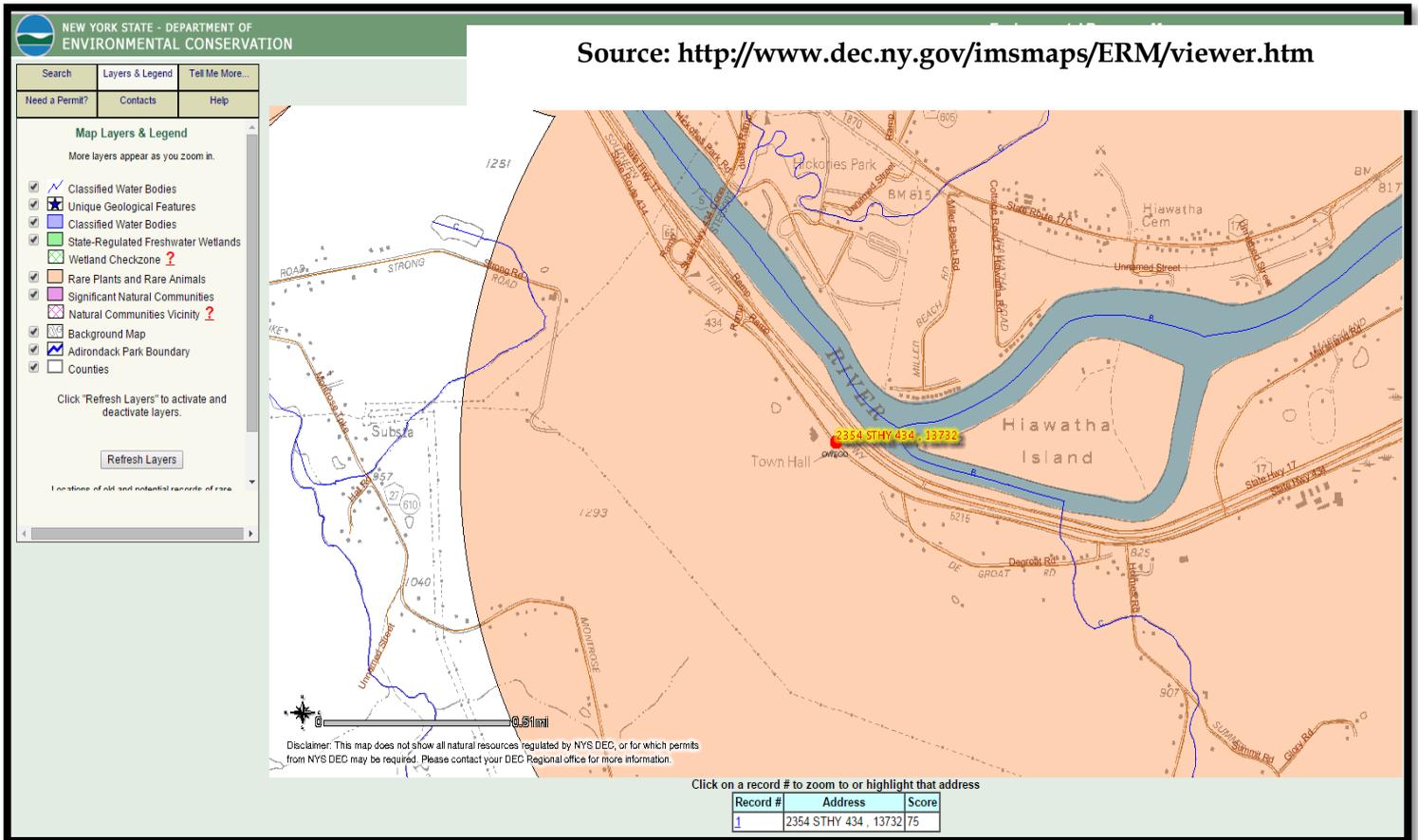


Town of Owego DPW, Parks and Utilities Relocation Project



Project Site Map

Figure 7



Rare and endangered species in Tioga County:

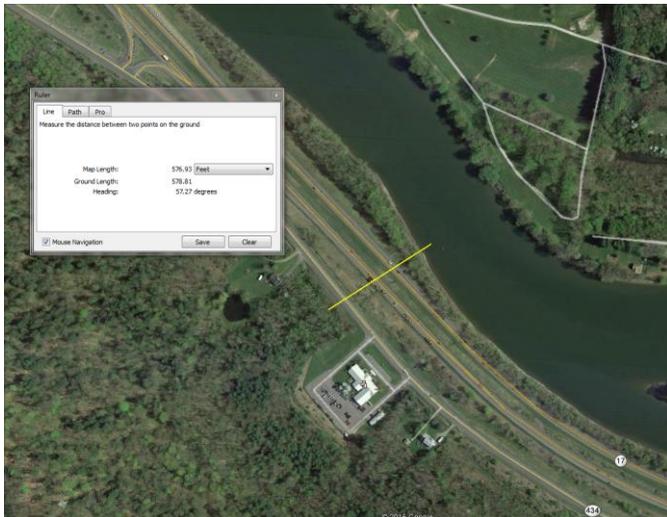
Bald Eagle (*Haliaeetus leucocephalus*) D (Delisted)

Town of Owego DPW, Parks and Utilities Relocation Project



DEC Mapper Results

Figure 8



Town of Owego DPW, Parks and Utilities Relocation Project



Aerial View of Project Location

Figure 9



Town of Owego DPW, Parks and Utilities Relocation Project

FEMA Floodplain Map

Figure 10



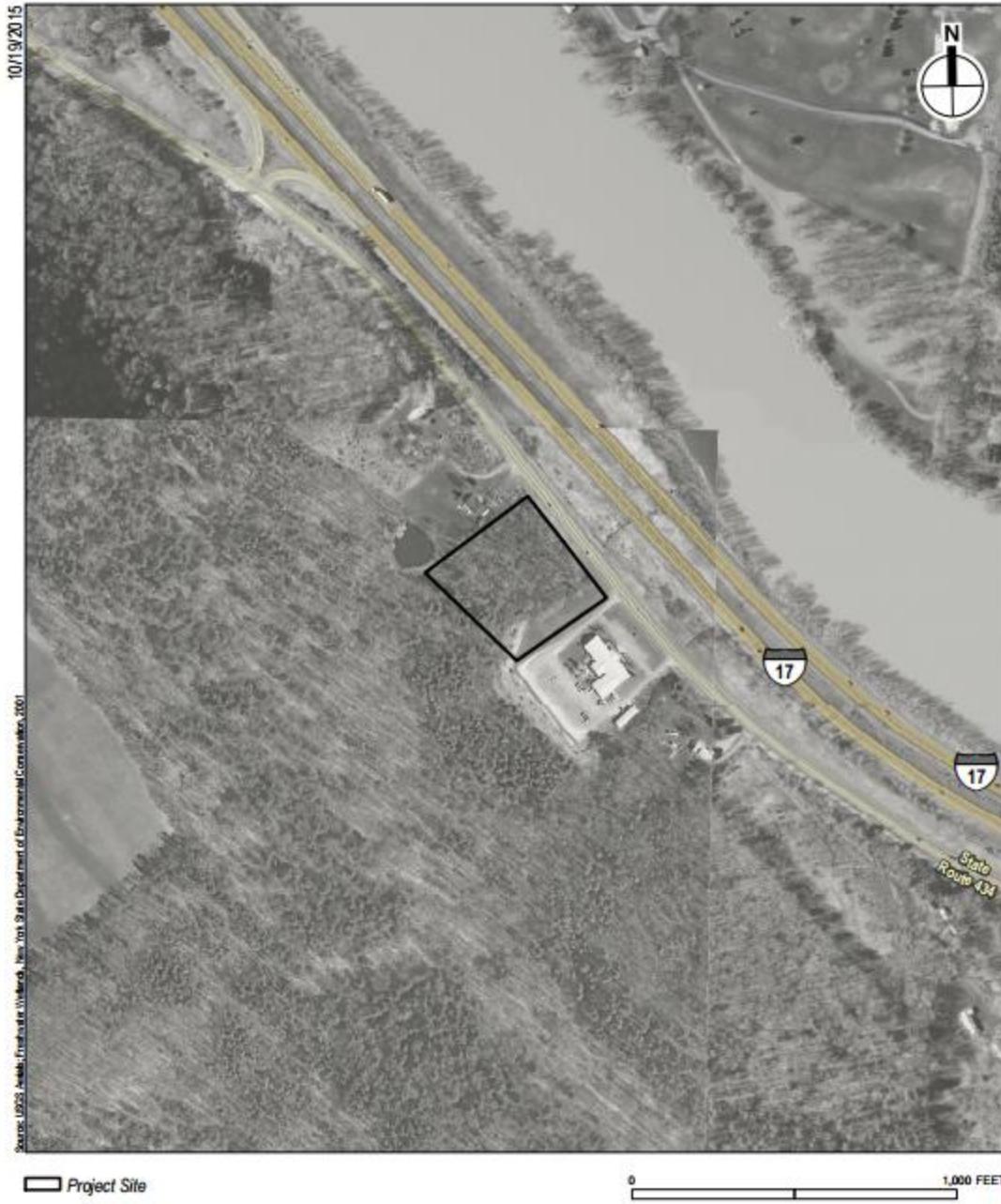


Town of Owego DPW, Parks and Utilities Relocation Project

NWI Wetlands

Figure 11





Town of Owego DPW, Parks and Utilities Relocation Project



NYS DEC Freshwater Wetlands

Figure 12

ATTACHMENT 1



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 LUKER ROAD
CORTLAND, NY 13045
PHONE: (607)753-9334 FAX: (607)753-9699
URL: www.fws.gov/northeast/nyfo/es/section7.htm

Consultation Code: 05E1NY00-2017-SLI-0386

December 02, 2016

Event Code: 05E1NY00-2017-E-00947

Project Name: Owego New Garage

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <http://www.fws.gov/northeast/nyfo/es/section7.htm>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (

http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the Services wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: Owego New Garage

Official Species List

Provided by:

New York Ecological Services Field Office

3817 LUKER ROAD

CORTLAND, NY 13045

(607) 753-9334

<http://www.fws.gov/northeast/nyfo/es/section7.htm>

Consultation Code: 05E1NY00-2017-SLI-0386

Event Code: 05E1NY00-2017-E-00947

Project Type: ** OTHER **

Project Name: Owego New Garage

Project Description: construction of a new garage for the town of owego to move municipal support facilities out of the floodplain including a water supply well, septic and drainage basins as well as parking and driveways.

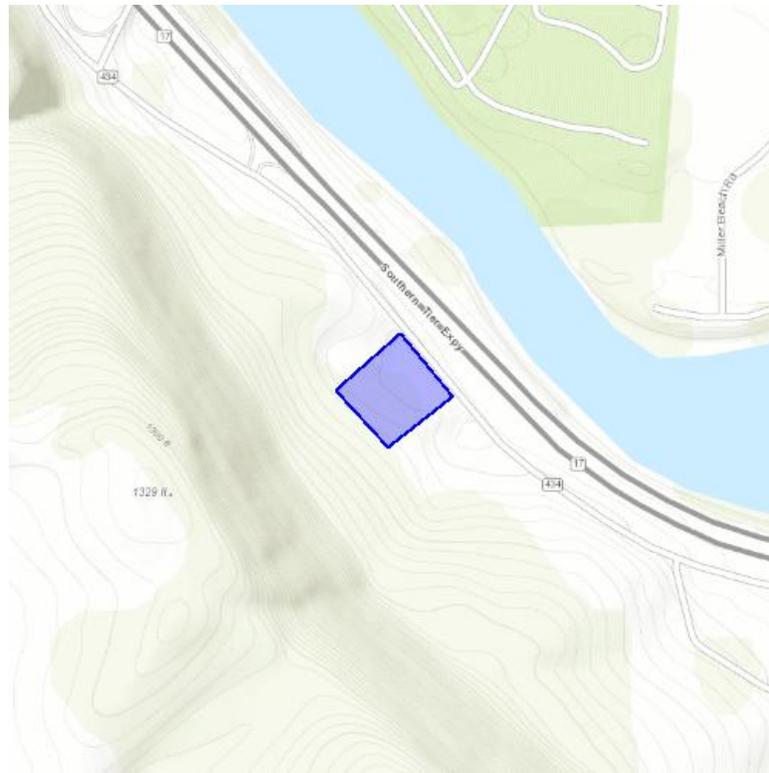
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Owego New Garage

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-76.22529566287994 42.085010153387785, -76.22422277927399 42.08405067467848, -76.22555315494537 42.08327034104572, -76.22662603855133 42.0841342812842, -76.22529566287994 42.085010153387785)))

Project Counties: Tioga, NY



United States Department of Interior
Fish and Wildlife Service

Project name: Owego New Garage

Endangered Species Act Species List

There are a total of 1 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Mammals	Status	Has Critical Habitat	Condition(s)
Northern long-eared Bat (<i>Myotis septentrionalis</i>) Population: Wherever found	Threatened		



United States Department of Interior
Fish and Wildlife Service

Project name: Owego New Garage

Critical habitats that lie within your project area

There are no critical habitats within your project area.

ATTACHMENT 2

IPaC**U.S. Fish & Wildlife Service**

Migratory birds

Birds are protected under the Migratory Bird Treaty Act

¹ and the Bald and Golden Eagle Protection Act².

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service

³. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

The species of migratory birds below are potentially affected by activities in this location.

-
1. The Migratory Birds Treaty Act of 1918.
 2. The Bald and Golden Eagle Protection Act of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

American Bittern

Botaurus Lentiginosus

Breeding

Bald Eagle

Haliaeetus Leucocephalus

Year-round

Black-billed Cuckoo

Coccyzus Erythrophthalmus

Breeding

Blue-winged Warbler

Vermivora Pinus

Breeding

Canada Warbler

Breeding

Wilsonia Canadensis

Golden-winged Warbler
Vermivora Chrysoptera

Breeding

Kentucky Warbler
Oporornis Formosus

Breeding

Louisiana Waterthrush
Parkesia Motacilla

Breeding

Olive-sided Flycatcher
Contopus Cooperi

Breeding

Peregrine Falcon
Falco Peregrinus

Breeding

Pied-billed Grebe
Podilymbus Podiceps

Breeding

Prairie Warbler
Dendroica Discolor

Breeding

Red-headed Woodpecker
Melanerpes Erythrocephalus

Breeding

Short-eared Owl
Asio Flammeus

Wintering

Willow Flycatcher
Empidonax Traillii

Breeding

Wood Thrush
Hylocichla Mustelina

Breeding

Worm Eating Warbler

Breeding

Helmitheros Vermivorum

for

ATTACHMENT 3

Migratory Birds
Owego New Garage

American bittern	
Habitat	Project area provide habitat (Y/N)
<p>Freshwater wetlands are the optimal habitat for the American Bittern. This species prefers wetlands that are dominated by tall dense vegetation. Due to the degree of difficulty involved in accessing such habitats, not a lot is known about this species' habitat use. American Bitterns will inhabit wetlands of all sizes but have been found to be more abundant in larger tracts of wetland with a large abundance of small semi-aquatic mammals and amphibians, as well as in wetlands created by an impoundment such as a beaver dam rather than by glacial activity (Gibbs et al. 1991). The spatial arrangement of vegetation and water is reported to be the best predictor of abundance for this species of marsh bird, and a greater degree of complexity is thought to increase breeding diversity in the area (Rehm and Baldassarre 2007). Optimal habitat is being lost from the species' geographic range at a rapid rate (Caffey and Schexnayder 2003, Lowther et al. 2009).</p>	N - No wetlands
Bald eagle	
Habitat	Project area provide habitat (Y/N)
<p>Bald eagles typically breed and winter in forested areas adjacent to large bodies of water. Throughout range, selects large, super-canopy roost trees that are open and accessible. Nests are usually constructed below the crown of a tree, often highest point where large branches join bole of tree. Nests are usually constructed below the crown of a tree, often the highest point where large branches join the bole of a tree. Nests are constructed from an array of sticks placed in an interwoven pattern. Other materials added as fillers may include grasses, mosses, even corn stalks. Nest bowls are lined with finer woody materials, especially Spanish moss in Florida, and ultimately lined with downy feathers from the adults. Nests are massive; often exceeding several thousand kilograms in weight. A nest is located greater than 660 feet from the project location. Bald Eagle feed on carrion of fish, birds, and mammals at sites that provide disturbance-free acces from the ground. During the breeding season, bald eagles are sensitive to a variety of human activities.</p>	<p>There is no open field for hunting, nest located greater than 660 feet from project location. NYDEC will be consulted for mitigation measures. No nests are on the project site.</p>

Migratory Birds
Owego New Garage

Black-billed Cuckoo	
Habitat	Project area provide habitat (Y/N)
This species of cuckoo occupies dense wooded habitats, and is often found in mesic environments that have strong associations with water, such as young deciduous and mixed deciduous-coniferous woods, the edges of bogs and marshes, rivers and lake-shores, or abandoned farmlands or brushy hillsides and pastures.	Y - however, the birds are expected to leave the area during construction activities. Additionally
Blue-winged Warbler	
Habitat	Project area provide habitat (Y/N)
Brushy hillsides, bogs, overgrown pastures, stream and woodland edges. Breeds in dry uplands in low shrubbery, brier patches, weed-grown fencerows, and bushy thickets; often in neglected fields or at the border of woods. Occasionally in deep swamp woods.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.
Canada Warbler	
Habitat	Project area provide habitat (Y/N)
Forest undergrowth, shady thickets. Breeds in mature mixed hardwoods of extensive forests and streamside thickets. Prefers to nest in moist habitat: in luxuriant undergrowth, near swamps, on stream banks, in rhododendron thickets, in deep, rocky ravines and in moist deciduous second-growth. Winters in a variety of habitats in South America, from forest undergrowth to scrub.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.

Migratory Birds
Owego New Garage

Golden-winged Warbler	
Habitat	Project area provide habitat (Y/N)
Open woodlands, brushy clearings, undergrowth. Breeds in brushy areas with patches of weeds, shrubs, and scattered trees (such as alder or pine). This habitat type is found in places where a cleared field is growing up to woods again, as well as in marshes and tamarack bogs. In winter, in the tropics, lives in forest edges and open woodland.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.
Kentucky Warbler	
Habitat	Project area provide habitat (Y/N)
Woodland undergrowth. In summer, prefers deep shaded woods with dense, humid thickets, bottomlands near creeks and rivers, ravines in upland deciduous woods, and edges of swamps. In winter in the tropics, requires dense lowland forests and second growth, mostly in lowlands but also in foothills.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.

Migratory Birds
Owego New Garage

Louisiana Waterthrush	
Habitat	Project area provide habitat (Y/N)
Brooks, ravines, wooded swamps. In southern areas, nests in bottomlands, borders of lagoons and swamps, or near sluggish or fast-moving streams. In northern part of range (where it overlaps the range of Northern Waterthrush), favors rapid-flowing, gravel-bottomed streams flowing through hilly, deciduous forest. In winter in the tropics, near streams in lowland woods, occasionally in coastal mangroves.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.
Olive-Sided flycatcher	
Habitat	Project area provide habitat (Y/N)
Breeds in montane and northern coniferous forests, at forest edges and openings, such as meadows and ponds. Winters at forest edges and clearings where tall trees or snags are present (winters in the south). The nest is an open cup of twigs, rootlets, and lichens, placed out near tip of horizontal branch of a tree. The Olive-sided Flycatcher breeds in the western U.S. as well as throughout Canada and Alaska, while wintering in southern Mexico and Central America. They are complete migrants between their North American breeding grounds and Central American wintering grounds, which is the longest migration route of any flycatcher breeding in North America.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.
Peregrine Falcon	
Habitat	Project area provide habitat (Y/N)
While greater densities may occur in tundra and coastal habitats, many terrestrial biomes are inhabited by Peregrine Falcons in the Americas, and none seem to be preferred. Occupied habitat during spring and fall migration may include urban environments. Nests are a scraping in the ground, typically on high ledges of rocks or man-made structures, is frequently initiated by the male. Substrate consists of dirt, sand, fine gravel, or sometimes decomposed fecal material or decomposed lining materials of old stick nest. No material deliberately added, but bones and other debris may be pulled around sitting bird to form circle of material around edge of scrape. Mostly eats birds, including everything from passerines to small geese. Consumed mammals may consist of bats, microtines, squirrels and rats. Their foraging behavior is best described as a sequence of actions: search, pursuit (attack), capture, killing, and eating.	N - Not identified by NYDEC as being present in Tioga County. Endangered in NY state.

Migratory Birds
Owego New Garage

Pied-billed Grebe	
Habitat	Project area provide habitat (Y/N)
It breeds on freshwater to brackish seasonal and permanent ponds. It requires dense stands of deep water emergent vegetation (e.g., cattails) for nesting and cover that are situated close to open water for foraging. In New York, pied-billed grebe breeding records are scattered across the state but are most abundant in marshes associated with the St. Lawrence River Valley and Lake Ontario. The mating pair builds a floating platform nest in open water or within stands of tall, emergent vegetation, such as cattails. The nest is made up of soft, flexible vegetation from the pond or lake bottom and leaves clipped from the water surface. The average clutch size is six eggs with one egg laid per day. Incubation generally lasts for 23 to 24 days. Chicks can swim for a few minutes at a time within the first day of hatching but spend most of the first week riding on the adult's back. Time spent on the water gradually increases over the next four weeks until the young are feeding independently. The pied-billed grebe diet typically consists of fish, crayfish, and aquatic insects which they collect during underwater dives. Fledging occurs 30 to 60 days after hatching; however, independent young may remain in small groups with their siblings until they leave for the wintering grounds between September and November.	N - NYS Threatened - not identified by NYSDEC as being in the project areas.
Prairie Warbler	
Habitat	Project area provide habitat (Y/N)
Brushy slashings, bushy pastures, low pines. Breeds in dry old clearings, edges of forest, and sandy pine barrens with undergrowth of scrub oaks, especially on ends of slopes and ridges. Likes thick second-growth of hickory, dogwood, hazel, or laurel with blackberry vines.	N - Additionally during site disturbance birds are expected to leave the area. Not expected to nest within the project area.
Red-headed Woodpecker	
Habitat	Project area provide habitat (Y/N)

Migratory Birds
Owego New Garage

<p>Groves, farm country, orchards, shade trees in towns, large scattered trees. Avoids unbroken forest, favoring open country or at least clearings in the woods. Forest edges, orchards, open pine woods, groves of tall trees in open country are likely habitats. Winter habitats influenced by source of food in fall, such as acorns or beechnuts. The breeding season is March to May.</p>	<p>Y - however, the birds are expected to leave the area during construction activities.</p>
<p>Short-Eared Owl</p>	
<p>Habitat</p>	<p>Project area provide habitat (Y/N)</p>
<p>Prairies, marshes, dunes, tundra. Found in open country supporting high numbers of small rodents. Nests most commonly on tundra, inland and coastal prairies, extensive marshes, farmland. In winter also found in stubble fields, small meadows, coastal dunes, shrubby areas.</p>	<p>N</p>
<p>Willow Flycatcher</p>	
<p>Habitat</p>	<p>Project area provide habitat (Y/N)</p>
<p>Bushes, willow thickets, brushy fields, upland copses. Breeds in thickets of deciduous trees and shrubs, especially willows, or along woodland edges. Often near streams or marshes (especially in southern part of range), but may be found in drier habitats than Alder Flycatcher. Winters around clearings and second growth in the tropics, especially near water.</p>	<p>N</p>
<p>Wood Thrush</p>	
<p>Habitat</p>	<p>Project area provide habitat (Y/N)</p>
<p>Mainly deciduous woodlands. Breeds in the understory of woodlands, mostly deciduous but sometimes mixed, in areas with tall trees. More numerous in damp forest and near streams than in drier woods; will nest in suburban areas where there are enough large trees. In migration, found in various kinds of woodland. Winters in understory of lowland tropical forest. Wood Thrush breed in late summer and fall</p>	<p>Y - however, the birds are expected to leave the area during construction activities and breeding will occur after tree removal.</p>

Migratory Birds
Owego New Garage

Worm Eating Warbler	
Habitat	Project area provide habitat (Y/N)
Leafy wooded slopes. During breeding season, frequents dense deciduous woodlands. Prefers cool, shaded banks, sheer gullies and steep, forested slopes covered with medium-sized trees and an undergrowth of saplings and shrubs. In winter in the tropics, forages alone in dense thickets or in the forest undergrowth, usually near the ground.	N

ATTACHMENT 4

Northern Long-Eared Bat 4(d) Rule Streamlined Consultation Form

Federal agencies should use this form for the optional streamlined consultation framework for the northern long-eared bat (NLEB). This framework allows federal agencies to rely upon the U.S. Fish and Wildlife Service's (USFWS) January 5, 2016, intra-Service Programmatic Biological Opinion (BO) on the final 4(d) rule for the NLEB for section 7(a)(2) compliance by: (1) notifying the USFWS that an action agency will use the streamlined framework; (2) describing the project with sufficient detail to support the required determination; and (3) enabling the USFWS to track effects and determine if reinitiation of consultation is required per 50 CFR 402.16.

This form is not necessary if an agency determines that a proposed action will have no effect to the NLEB or if the USFWS has concurred in writing with an agency's determination that a proposed action may affect, but is not likely to adversely affect the NLEB (i.e., the standard informal consultation process). Actions that may cause prohibited incidental take require separate formal consultation. Providing this information does not address section 7(a)(2) compliance for any other listed species.

Information to Determine 4(d) Rule Compliance:

YES NO

Information to Determine 4(d) Rule Compliance:	YES	NO
1. Does the project occur wholly outside of the WNS Zone ¹ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Have you contacted the appropriate agency ² to determine if your project is near known hibernacula or maternity roost trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Could the project disturb hibernating NLEBs in a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Could the project alter the entrance or interior environment of a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Does the project remove any trees within 0.25 miles of a known hibernaculum at any time of year?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Would the project cut or destroy known occupied maternity roost trees, or any other trees within a 150-foot radius from the maternity roost tree from June 1 through July 31.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

You are eligible to use this form if you have answered yes to question #1 **or** yes to question #2 **and** no to questions 3, 4, 5 and 6. The remainder of the form will be used by the USFWS to track our assumptions in the BO.

Agency and Applicant³ (Name, Email, Phone No.):

Alicia Shultz
 Governor's Office of Strom Recover
 New York State Homes and Community Renewal
 38-40 State Street, Hampton Plaza
 Albany NY 12207

Project Name:

Town of Owego New Garage

Project Location (include coordinates if known):

Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042).

¹ <http://www.fws.gov/midwest/endangered/mammals/nleb/pdf/WNSZone.pdf>

² See <http://www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html>

³ If applicable - only needed for federal actions with applicants (e.g., for a permit, etc.) who are party to the consultation.

Basic Project Description (provide narrative below or attach additional information):

The Town of Owego was impacted by Hurricane Irene and Tropical Storm Lee. Relocating the Town of Owego municipal facilities outside of the floodplain will allow for continuity of services. The area where the proposed project will take place is located adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042).

The Proposed Action will include the construction of a new 32,800 sf garage facility to house critical municipal operations for the Town of Owego. This facility will be built adjacent to the existing Owego Town Hall. This building will be staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations in response to a storm event. The project will relocate the Town of Owego’s municipal operations to an area outside the floodplain to ensure continuous operation of municipal services during future storm events. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations.

Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, storm retention basins and utilization of the Town's wastewater treatment plant or construction of a new septic system with leach field.

General Project Information

YES NO

	YES	NO
Does the project occur within 0.25 miles of a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project occur within 150 feet of a known maternity roost tree?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project include forest conversion ⁴ ? (if yes, report acreage below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated total acres of forest conversion		
If known, estimated acres ⁵ of forest conversion from April 1 to October 31		
If known, estimated acres of forest conversion from June 1 to July 31 ⁶		
Does the project include timber harvest? (if yes, report acreage below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated total acres of timber harvest		
If known, estimated acres of timber harvest from April 1 to October 31		
If known, estimated acres of timber harvest from June 1 to July 31		
Does the project include prescribed fire? (if yes, report acreage below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated total acres of prescribed fire		
If known, estimated acres of prescribed fire from April 1 to October 31		
If known, estimated acres of prescribed fire from June 1 to July 31		
Does the project install new wind turbines? (if yes, report capacity in MW below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated wind capacity (MW)		

Agency Determination:

⁴ Any activity that temporarily or permanently removes suitable forested habitat, including, but not limited to, tree removal from development, energy production and transmission, mining, agriculture, etc. (see page 48 of the BO).

⁵ If the project removes less than 10 trees and the acreage is unknown, report the acreage as less than 0.1 acre.

⁶ If the activity includes tree clearing in June and July, also include those acreage in April to October.

By signing this form, the action agency determines that this project may affect the NLEB, but that any resulting incidental take of the NLEB is not prohibited by the final 4(d) rule.

If the USFWS does not respond within 30 days from submittal of this form, the action agency may presume that its determination is informed by the best available information and that its project responsibilities under 7(a)(2) with respect to the NLEB are fulfilled through the USFWS January 5, 2016, Programmatic BO. The action agency will update this determination annually for multi-year activities.

The action agency understands that the USFWS presumes that all activities are implemented as described herein. The action agency will promptly report any departures from the described activities to the appropriate USFWS Field Office. The action agency will provide the appropriate USFWS Field Office with the results of any surveys conducted for the NLEB. Involved parties will promptly notify the appropriate USFWS Field Office upon finding a dead, injured, or sick NLEB.



Signature: _____ Date Submitted: December 2, 2016

ATTACHMENT 5

Species Conclusions Table

Project Name: Owego New Garage

Date: December 2, 2016

Species Name	Potential Habitat Present?	Species Present?	Piping Plover Critical Habitat Present?	ESA / Eagle Act Determination (REQUIRED) (e.g. no effect, may affect but not likely to adversely affect, likely to adversely affect, no take, may affect but 4(d) rule).	Notes / Documentation Summary (include full rationale in your report)
Northern long-eared Bat (<i>Myotis septentrionalis</i>)	Yes	Yes	No	NA	
Bald Eagle	Yes	Yes	No	unlikely to disturb nesting bald eagles, consulting with NYSDEC	



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Interim Executive Director

November 29, 2016

New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program – Information Services
625 Broadway, 5th Floor
Albany, New York 12233-4757

VIA EMAIL: dec.sm.NaturalHeritage

Re: Natural Heritage Compliance Process Request for
Town of Owego - DPW, Parks and Utilities Office Relocation
(Joint Project with the Village of Owego)

The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the Department of Housing & Urban Development (HUD) is currently preparing an environmental review for the Town of Owego - DPW, Parks and Utilities Office Relocation (the "Proposed Action", see Figure 1, Project Location Map, Figure 2 Project Site Map).

The purpose of this letter is to provide the New York State Department of Environmental Conservation (DEC) Natural Heritage Program (NYNHP) notice of the Proposed Action and determine whether the Proposed Action has the potential to impact any state or federal endangered, threatened, or rare species or significant natural communities.

Area of Effect: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Relocating the Village and Town of Owego municipal facilities outside of the floodplain will allow for continuity of services. The area where the proposed project will take place is located adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042).

Proposed Project Description: The Proposed Action will include the construction of a new 32,800 sf garage facility to house critical municipal operations for the Town of Owego. This facility will be built adjacent to the existing Owego Town Hall. This building will be staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations in response to a storm event.

The project will relocate the Town of Owego's municipal operations to an area outside the floodplain to ensure continuous operation of municipal services during future storm events. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations.

Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Compliance: According to information reviewed from the New York State Environmental Resource Mapper, rare, threatened or endangered plant or animal species are known to exist in the property's vicinity. See Figure 3, Environmental Resource Mapper Findings.

GOSR respectfully requests NYNHP review the Proposed Action and location and provide consultation on whether or not the Proposed Action is likely to adversely affect the project location and review locations of proposed project for any records of rare species or significant natural communities in the natural heritage databases which are in the vicinity and

which may be impacted by the Project Action.

If you have questions or require additional information regarding this request, please contact me at (518) 474-0647 or alicia.shultz@nyshcr.org. Thank you for your time and consideration.

Sincerely,



Alicia Shultz
Community Developer – Environmental Services
New York State Homes and Community Renewal
38-40 State Street, Hampton Plaza
Albany NY 12207

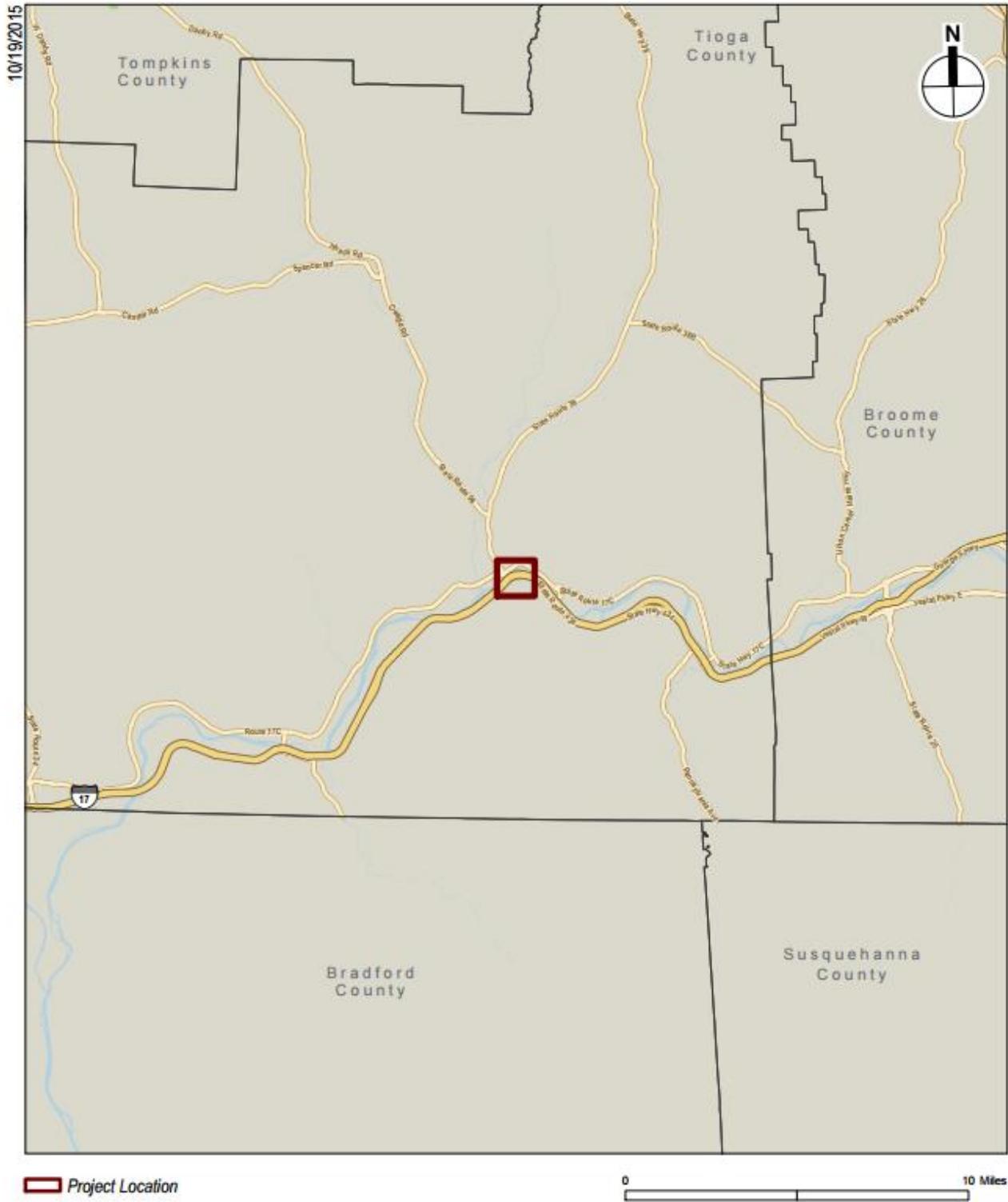
cc:
Governor’s Office of Storm Recovery

Enclosures:

Figure 1: Project Location Map
Figure 2: Project Site Map
Figure 3: Environmental Resource Mapper Findings
Figure 4: Aerial View of Project Location
Figure 5: Floodplain Map
Figure 6: NWI Wetlands Map
Figure 7: NYSDEC Wetlands Map
Figure 8: FEMA FIRM

Attachment:

Project Plans: 2 sheets



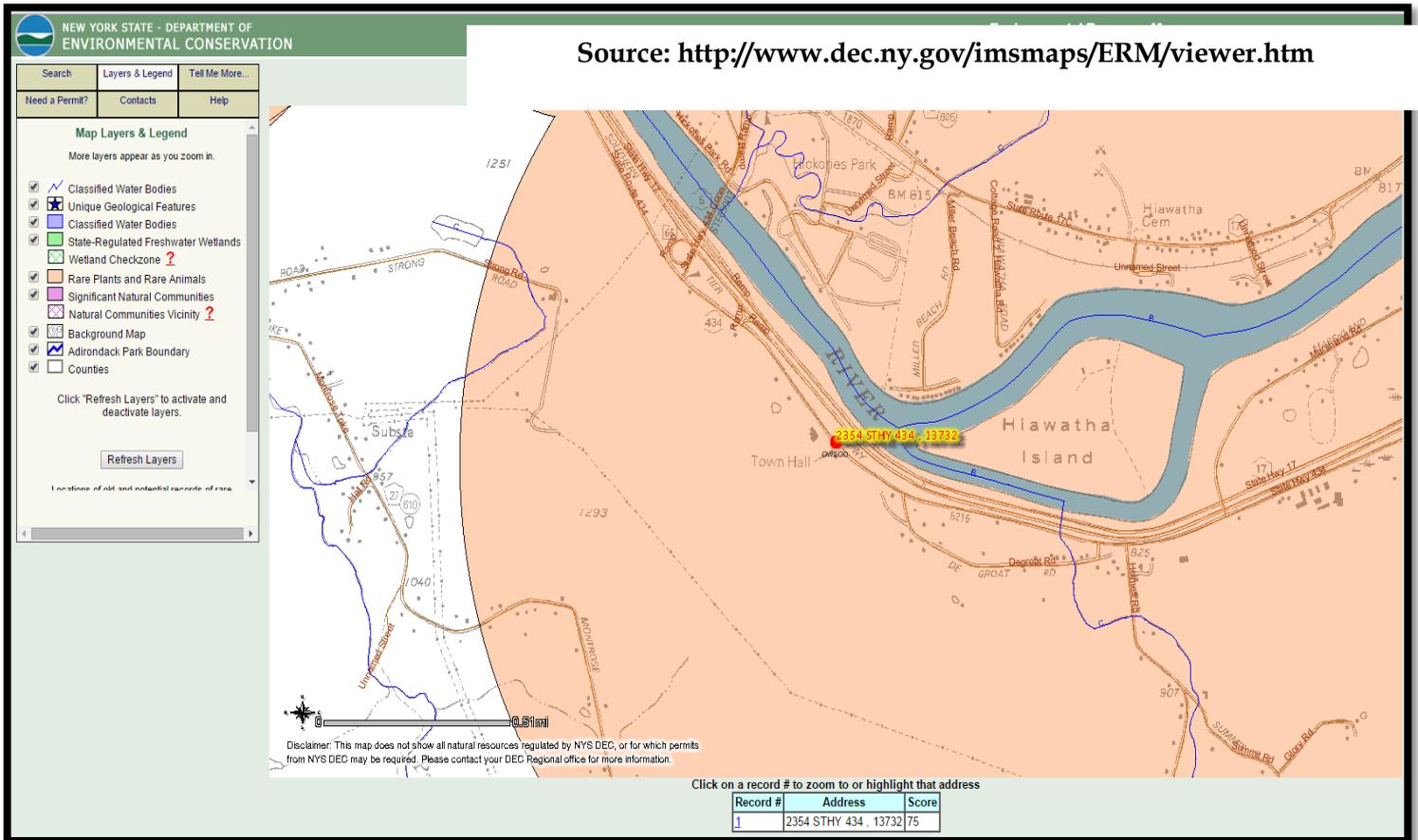
**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**Project Site Map
Figure 2**

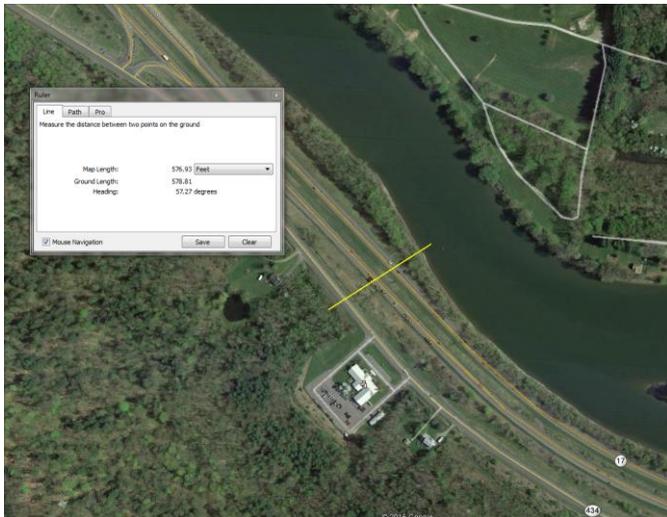


Rare and endangered species in Tioga County:

Bald Eagle (*Haliaeetus leucocephalus*) D (Delisted)

**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**DEC Mapper Results
Figure 3**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**Aerial View of Project Location
Figure 4**



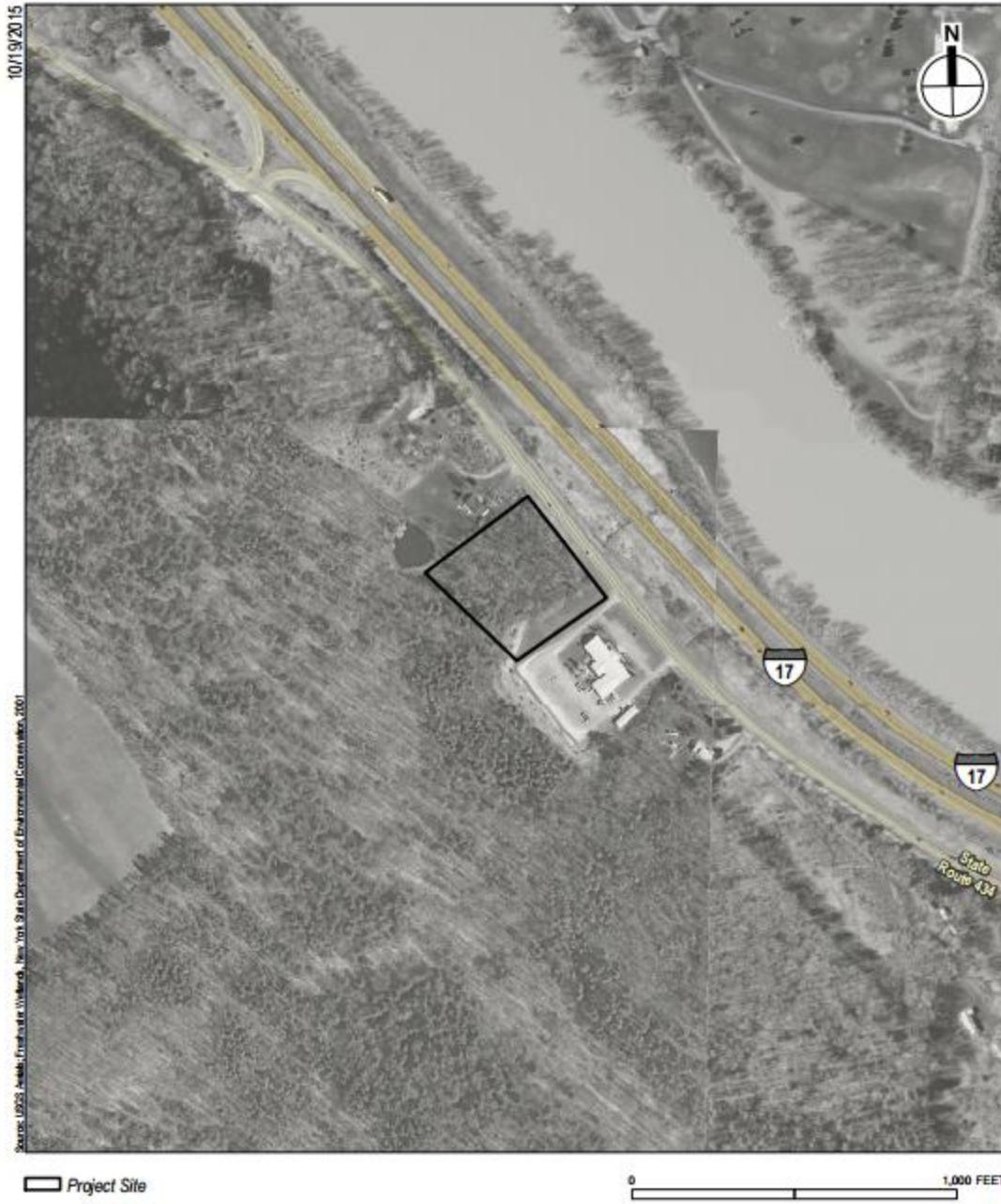
**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**FEMA Floodplain Map
Figure 5**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**NWI Wetlands
Figure 6**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint project with the Village of Owego)**

**NYS DEC Freshwater Wetlands
Figure 7**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov



December 13, 2016

Alicia Shultz
Governor's Office of Storm Recovery
38-40 State Street
Albany, NY 12207

Re: Town of Owego - DPW, Parks and Utilities Office Relocation and Construction (Joint Project with the Village of Owego)

Town/City: Owego.

County: Tioga.

Dear Ms. Shultz:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of concern of rare or state-listed animals or plants, or significant natural communities at your site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage Database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 7 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

A handwritten signature in black ink that reads "Nick Conrad".

Nicholas Conrad
Information Resources Coordinator
New York Natural Heritage Program

Appendix E – SHPO Correspondence



ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

November 30, 2016

Mr. Larry Moss
Historic Preservation Technical Specialist
New York State Office of Parks, Recreation and Historic Preservation
Division of Historic Preservation
Peebles Island
P.O. Box 189
Waterford, New York 12188-0189

Re: Update to Section 106 Compliance for the Town of Owego - DPW, Parks and Utilities Office
Relocation, Owego, Tioga County, New York

Dear Mr. Moss:

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR), an office of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery ("CDBG-DR") funds from the United States Department of Housing and Urban Development ("HUD"), is serving as the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. A consultation request for the project described herein will also be sent to the Cayuga Nation, the Onondaga Nation, and the Seneca-Cayuga Nation. In accordance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (54 U.S.C. §306108), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action.

Area of Potential Effect: The proposed new garage will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat.42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town of Owego was particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town of Owego have applied to GOSR under the NYRCR program to fund the relocation of the Town municipal facilities to assure continuous operation of municipal services during future storm events.



ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

GOSR proposes to fund the application to construct a new 32,800 sf garage to house critical municipal operations for the Town of Owego. This new garage will be designed to relocate the Town of Owego's municipal operations to an area outside the floodplain to ensure continuous operation of municipal services during future storm events. The proposed project will include consolidation of municipal operations into one campus, which will lead to cost savings as well. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations in response to a storm event. Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

The purpose of this letter is to initiate consultation pursuant to Section 106 of the National Historic Preservation Act (NHPA) per the implementing regulations at 36 Code of Federal Regulations (CFR) Part 800. GOSR respectfully requests your review of the proposed project described herein. If the Area of Potential Effect encompasses historic properties of religious or cultural significance, please respond within 15 days or sooner. Please respond by email or in writing to the address listed below.

Alicia Shultz
Community Developer – Environmental Services
Governor's Office of Storm Recovery
38 – 40 State Street
Hampton Plaza, Albany, New York 12231

If you have any questions or require additional information regarding this request, please feel free to contact me at (518) 474-0647 or via email at Alicia.Shultz@nyshcr.org. Thank you for your time and consideration.

Sincerely,

Alicia Shultz
Community Developer – Environmental Services
Governor's Office of Storm Recovery

Enclosures:

Figure 1: Project Location Map
Figure 2: Project Site Map
Project Plan: 2 Sheets



Plotted By: Don Need

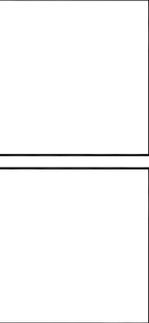
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1
C202 **PROPOSED SITE PLAN WITH AERIAL UNDERLAY**
SCALE: 1" = 30'

REVISIONS	NO.	DATE	BY	CHECKED	DESCRIPTION



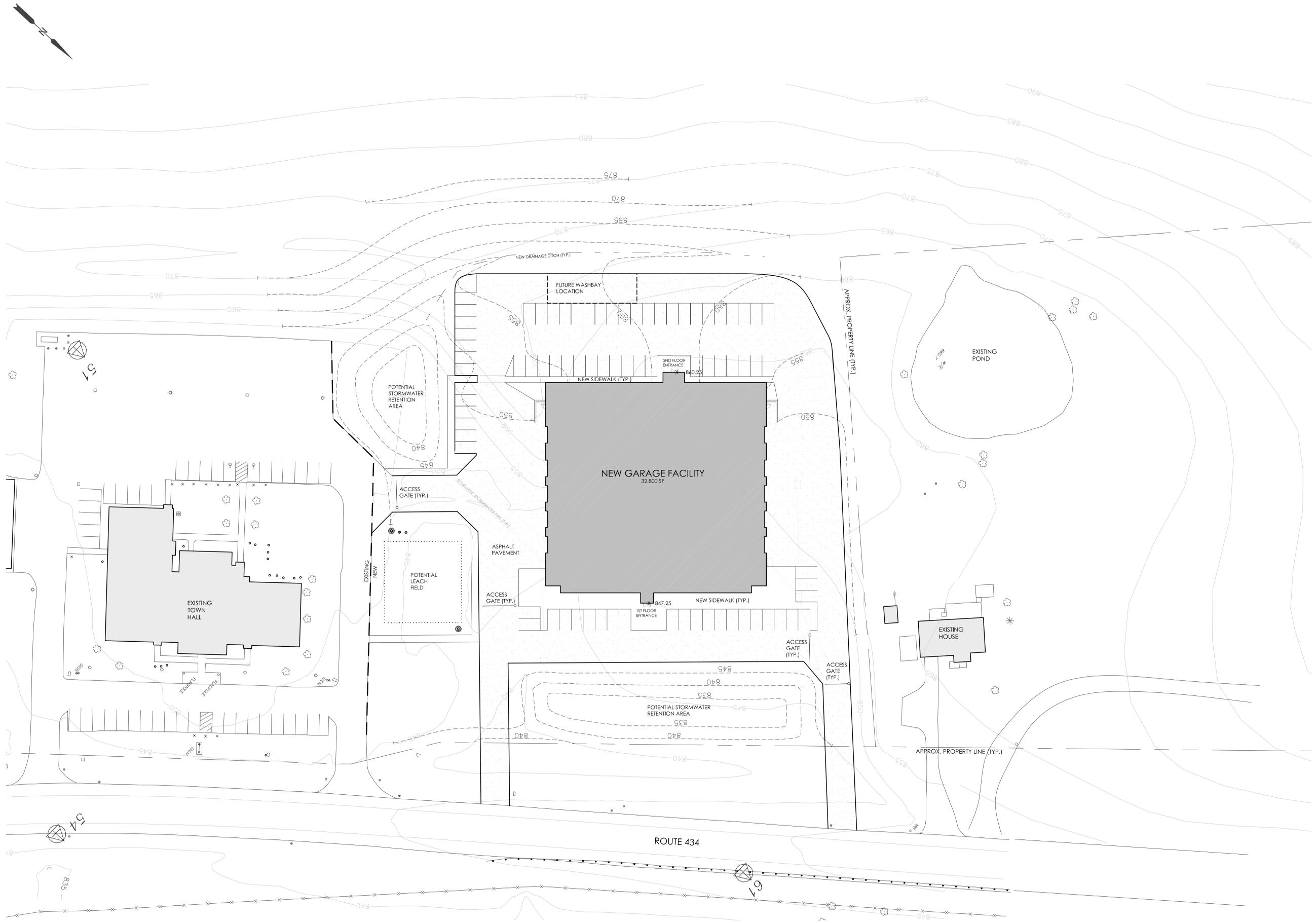
OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APPLACHIN, NEW YORK 13922

DATE	DRAWN	CHECKED
11/16/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED SITE PLAN WITH AERIAL UNDERLAY		

PROJECT NUMBER	13688.00
SMF	
C201	
DRAWING NUMBER	

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1 PROPOSED SITE PLAN
C201 SCALE: 1" = 30'

REVISIONS NO.	DATE	BY	CHKD	DESCRIPTION

OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APPLACHIN, NEW YORK 13922

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Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

December 1, 2016

Alicia Shultz
New York State Homes & Community Renewal
38-40 State Street
Albany, NY 12207

Re: NYSHCR/ GOSR/ NY Rising Program- new building
Town of Owego - DPW, Parks and Utilities Office Relocation
2354 NYS Route 434, Apalachin (Town of Owego)/ Tioga County
16PR00325

Dear Ms. Shultz:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the materials submitted on Nov. 30, 2016 in accordance with Title 54, Section 306108 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/ Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based on this review, it is the continued opinion of SHPO that there will be No Historic Properties Affected by the proposed undertaking.

If I can be of further assistance, contact me at (518) 268-2187 or Larry.moss@parks.ny.gov

Sincerely,

A handwritten signature in black ink that reads "Larry K Moss".

Larry K Moss, Historic Preservation Technical Specialist

CC: Tom King, GOSR
Mary Barthelme, GOSR
Lauren Hayden, Louis Berger
Nina Peek, AKRF

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • www.nysparks.com

PHASE I ARCHAEOLOGICAL SURVEY TOWN OF OWEGO DPW, PARKS AND UTILITY OFFICE RELOCATION

Town of Owego, Tioga County, New York



Prepared for:



Governor's Office of Storm Recovery
99 Washington Avenue, Suite 1224
Albany, New York 12260

Prepared by:



Louis Berger

Louis Berger
20 Corporate Woods Blvd.
Albany, New York 12211

*Draft Report
April 11, 2016*

Management Summary

Involved Agencies	Governor's Office of Storm Recovery (GOSR) New York State Office of Parks, Recreation and Historic Preservation (OPRHP)
PR Number	16PR00325
Phase of Survey	Phase I Archaeological Survey
Location Information	The project area, or area of potential effect (APE), consists of the entire property, approximately 2 hectares (5 acres). The project area is located in a wooded parcel on the northwest side of the Owego Town Hall along NY State Route 434.
	<i>Town</i> Owego
	<i>County</i> Tioga
Survey Area	Entire project area, or 2 hectares (5 acres), which includes graded surfaces, constructed berms, drainage features, spoil piles, and other areas subjected to prior disturbance.
USGS 7.5-Minute Quadrangle Map	<i>Apalachin, NY</i> , 7.5-Minute Series Topographic Quadrangle, 1956 (photorevised 1983)
Archaeological Survey Overview	
<i>Methods Used</i>	Pedestrian reconnaissance Subsurface shovel testing (19 shovel tests excavated at 15-meter [50-foot] intervals)
<i>Artifacts Recovered/ Features Identified</i>	None
Results of Archaeological Survey	
<i>No./Name(s) of Prehistoric Sites Identified</i>	N/A
<i>No./Name(s) of Historic Sites Identified</i>	N/A
Recommendations	No sites were identified. No additional work is recommended within the proposed project area.
Report Author	Delland M. Gould.
Date of Report	April 11, 2016

Abstract

On behalf of the Governor’s Office of Storm Recovery (GOSR), The Louis Berger Group, Inc. (Louis Berger), has completed a Phase I Archaeological Survey of the proposed Owego Town, Department of Public Works (DPW), Parks and Utility Office Relocation in the Town of Owego, Tioga County, New York. GOSR proposes to fund the application to construct a new 24,000-square-foot building to house municipal operations for the Town and the Village of Owego. The consolidated municipal operations of both the Town and Village of Owego will be located on one campus, to be located adjacent to the current Owego Town Hall. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town’s wastewater treatment plant. The archaeological survey was conducted to determine the presence of any potentially significant archaeological sites prior to the proposed construction.

The area of potential effect (APE), or project area, consists of the entire property, approximately 2 hectares (5 acres). The project area is located in a wooded parcel on the northwest side of the Owego Town Hall along NY State Route 434. The project area was determined to be archaeologically sensitive because it is close to the Susquehanna River. The project area consists of a wooded talus slope and low depression, flanked on three sides by twentieth-century development, including a residential structure and large pond, the Owego Town Hall and associated parking lots, and New York State Route 434.

During the investigation Louis Berger excavated 19 shovel tests, focused primarily in the southwest half of the 2-hectare (5-acre) project area. Shovel tests were excavated at a standard 15-meter (50-foot) interval, with the exception of shovel tests placed in the low-lying northeast half of the project area, which consisted of mildly undulating topography and much of which had standing water at the surface. Lying within a topographic low, the northeast portion appeared to be perennially wet and was in part occupied by the outflow from the pond on the adjacent property. The entire project area appears to have been poorly drained throughout the past. None of the excavated shovel tests resulted in the recovery of any artifacts.

No archaeological sites were identified, and no cultural material was recovered from the subsurface testing. It is Louis Berger’s opinion that no cultural resources are present in the project area that are eligible for inclusion in the National Register of Historic Places (NRHP), and that the proposed project can proceed as planned.

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I. Introduction

On behalf of the Governor's Office of Storm Recovery (GOSR), The Louis Berger Group, Inc. (Louis Berger), has completed a Phase I Archaeological Survey of the Proposed Owego Town and Utility Offices Relocation in the Town of Owego, Tioga County, New York. GOSR proposes to fund the application to construct a new 24,000-square-foot building to house municipal operations for the Town and the Village of Owego. The consolidated municipal operations of both the Town and Village of Owego will be located on one campus, located adjacent to the current Owego Town Hall. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant. The archaeological survey was conducted to determine the presence of any potentially significant archaeological sites prior to the proposed construction.

The Phase I archaeological survey was conducted in accordance with guidelines and recommendations established by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) and the *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections*, published by the New York Archaeological Council (1994). The technical report conforms to the New York Archaeological Council standards and the requirements set forth in 36 CFR 66, *Methods, Standards, and Reporting Requirements for Data Recovery*. The survey was performed in accordance with the National Historic Preservation Act of 1966, as amended; Procedures for the Protection of Historic and Cultural Properties (36 CFR 800); the Procedures for Determining Site Eligibility for the National Register of Historic Places (36 CFR 60 and 63); the New York State Environmental Quality Review Act (SEQRA); and the Secretary of the Interior's Standards for Archaeology and Historic Preservation. The Project Manager and Project Archaeologist meet or exceed the qualifications described in the Secretary of the Interior's Professional Qualifications Standards (*Federal Register* 48:190:44738-44739) (U.S. Department of the Interior 1983) and in 36 CFR 66.3(b)(2) and 36 CFR 61.

This report has been organized into six chapters. Chapter II summarizes the existing conditions in the project area and provides relevant environmental and cultural contexts. Chapter III describes the methods used for the Phase I archaeological survey. The results of the Phase I archaeological survey are presented in Chapter IV, followed by Chapter V, the summary and conclusions. Chapter VI contains a list of the references cited. The report concludes with Appendix A, which contains a complete log of shovel test results.

The Phase I archaeological survey was conducted under the direction of Jennifer Gonzalez, Principal Environmental Planner, and Lauren Hayden, Archaeologist. Delland Gould, Principal Field Director and Bryan Herling, Research Analyst, conducted the fieldwork. Mr. Gould wrote the report. Principal Editor Anne Moiseev supervised the editing and production of this report, including the graphics, which were prepared by Principal Draftsperson/GIS Analyst Jacqueline L. Horsford.

II. Project Background

Research was conducted for the project area through the New York State OPRHP Cultural resource Information System (CRIS) to assess the archaeological sensitivity of the APE and to place it within its precontact- and historic-period archaeological context. The research included review of the cultural resource management (CRM) reports on file on previous investigations in the project vicinity, and a check of archaeological site files. Louis Berger also conducted a review of local histories and a study of eighteenth-, nineteenth-, and twentieth-century maps and plans.

A. Project Area Description

The project area, or area of potential effect (APE), consists of the entire property, a 2-hectare (5-acre) parcel situated in a wooded plot along the toeslope topographical depression at the base of a very steep slope on the southwest side of the Susquehanna River in the Town of Owego in Tioga County, New York (Figures 1 and 2). The slope faces northeast, and project area elevations range from approximately 253 to 262 meters (830 feet to 860 feet) above mean sea level. The project area is flanked on two sides by twentieth-century development, including a residence to the northwest and the Owego Town Court facility to the southeast, and on the east side by New York State Route (Route) 434 (Photographs 1-3). All of this development is located on elevated pads or berms relative to the majority of the project area.

The project area is wooded, with mostly large pine trees located on the toeslope in the west half and young mixed hardwoods within the depression in the east half of the project area. The trees within the depression are generally small, and many are standing dead. There was a significant understory in the east half, whereas the west half was more open. The ground surface throughout was marked by numerous small channels that carried upslope drainage into a patchwork of depressions, creating an overall hummocky ground surface (Photographs 4-6).

A portion of the project area consists of a large berm, a graded flat area with a stormwater collection pond located adjacent to the parking lot for the Town Court (Photographs 7-8).

B. Environmental Context and Soils

The project area in New York State is located within the geophysical province of the Appalachian Highlands Division of the Conterminous United States, in the Appalachian Plateau geophysical province (Fenneman and Johnson 1946). Within the Appalachian Plateau Province the project area falls within the Southern New York Section (Cadwell et al. 2003; Fenneman and Johnson 1946).

The Appalachian Plateau lies along the west side of the Appalachian Mountains and is characterized by nearly horizontal sedimentary rocks. In the APE vicinity the Appalachian Plateau is underlain by interbedded shales, siltstones, and weak and soft sandstones. Glacial till deposits of stony silts and with varying amounts of clay cover most valley sides and uplands. Inceptisols dominate the soils of this area and range from shallow in the uplands to very deep in the valley bottoms, and are typically loamy (United States Department of Agriculture-Natural Resources Conservation Service [USDA-NRCS] 2016).

Mapped soils present in the project area are classified as Volusia channery silt loam in the southwest half of the project area and Braceville gravelly silt loam in the northeast half. The mapped soil units correspond to the surficial topography, with Volusia soils mapped in the toeslope and Braceville mapped in the low-lying remainder of the project area. Volusia soils are derived from till, and Braceville soils formed in glaciofluvial deposits on lake plains and terraces (USDA-NRCS 2016).

C. Prehistoric Context

Archaeologists have divided the vast expanse of New York culture history into five general periods: Paleoindian (12,000 to 9500 years before present [BP]); Archaic (9500 to 3000 BP); Woodland (3000 to 500 BP); Contact (500 to 300 BP); and Historic (300 BP to present). The first three subdivisions (Paleoindian, Archaic, and Woodland) are

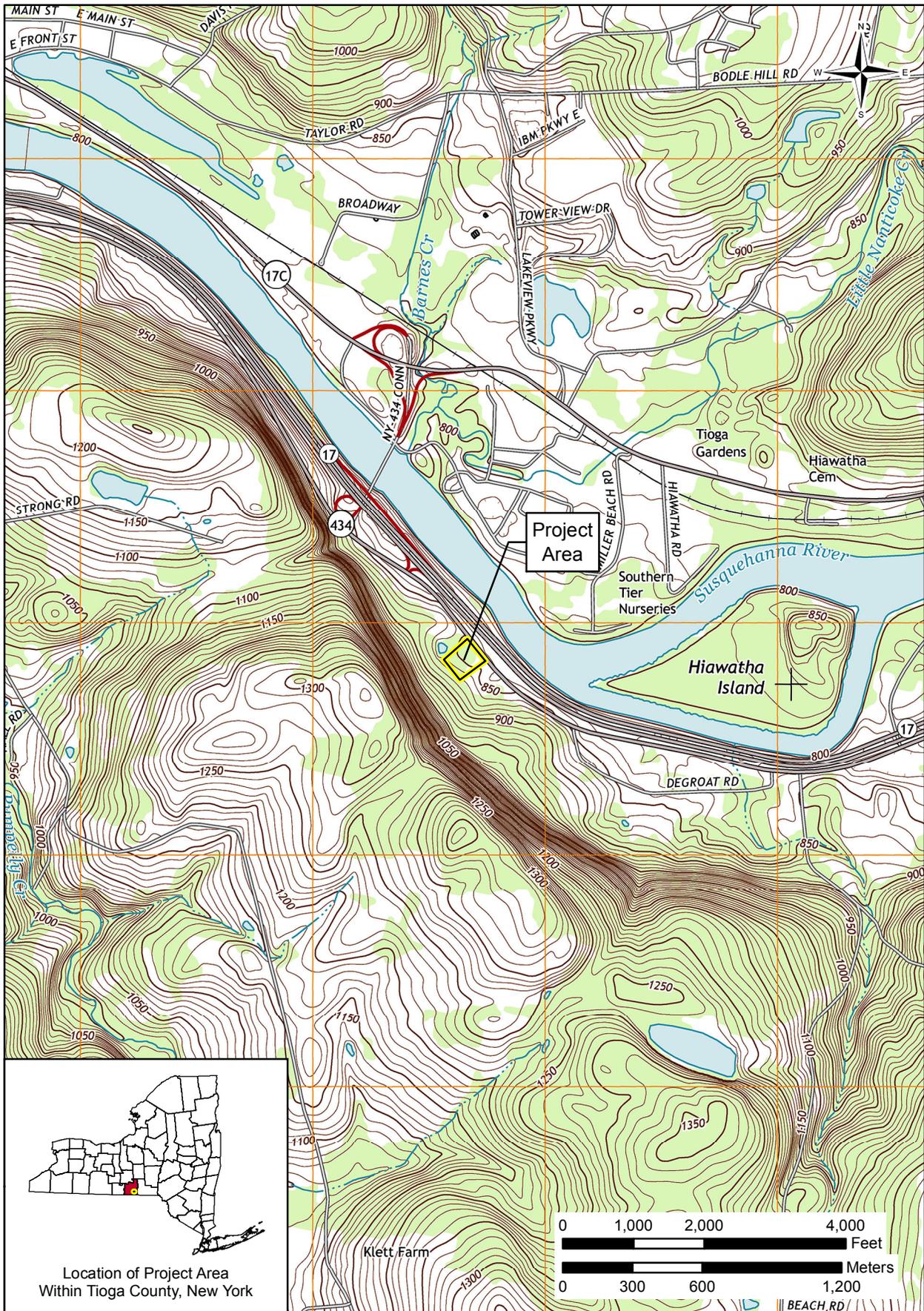


FIGURE 1: Location of Project Area (APE) (USGS Apalachin 2013)



FIGURE 2: Plan Map of Project Area Showing Shovel Tests and Photograph Angles (ESRI World Imagery 2013)



PHOTOGRAPH 1: Overview of South Portion of Project Area, with Owego Town Hall in Background, View East



PHOTOGRAPH 2: View of North Edge of Project Area Along State Route 434, View Southeast



PHOTOGRAPH 3: Overview of Southwest Portion of Project Area, View South



PHOTOGRAPH 4: Overview of Northeast Portion of Project Area, View North



PHOTOGRAPH 5: Overview of Northeast Portion of Project Area, View East



PHOTOGRAPH 6: Ponded Water in Northeast Portion of Project Area, View South



PHOTOGRAPH 7: Overview of Berm and Stormwater Collection Pond Along Southeast Portion of Project Area, View West



PHOTOGRAPH 8: Overview of Disturbance in Southeast Portion of Project Area, View North

thought to represent Native American cultural adaptation to changing climatic conditions since the arrival of humans in the New York region around 12,000 years ago—from Pleistocene (Ice Age) to Holocene (modern) norms. The region's natural environment and geomorphology have greatly influenced the nature of Native American settlement, land use, and cultural development. One important factor in the interpretation of New York prehistory is the impact of glaciation on the topographic and hydrologic conditions in the area since the end of the Pleistocene.

1. *Paleoindian Period (12,000 to 9500 BP)*

Humans (the Paleoindians) first entered the region from the south between 12,000 and 9500 BP, following the retreat of the Wisconsin glaciers. At its maximum extent (18,000 and 16,000 BP), the Wisconsin glacier covered all of New York State and extended south into northern New Jersey and Pennsylvania. As the ice sheets receded, open spruce woodland developed in the Northeast, with pine replacing spruce as the dominant arboreal species by about 10,000 BP (Gaudreau 1988).

Few definite habitation sites from the Paleoindian period have been identified in the Northeast. It is more common to encounter isolated finds of artifacts that are diagnostic for the period. Such artifacts include Clovis-type fluted projectile points, assorted scrapers, graters, and drills. These lithic tools are usually made from cherts that originate in eastern New York and jaspers found in Pennsylvania and New Jersey. The Paleoindian sites that have been located in New York tend to be quarry-related activity areas, small base camps, and isolated kill sites.

Paleoindian period sites in the region appear to be located in three geographic settings: (1) lowlands adjacent to water and near coniferous swamps or larger rivers; (2) upland bluffs with deciduous trees as the predominant arboreal species; and (3) ridgetops with deciduous trees as the predominant arboreal species. The basic model for Paleoindian habitation in the Northeast assumes that Paleoindians coalesced in small, highly mobile bands that traveled and hunted through large territories, focusing on post-Pleistocene megafauna. It is also possible, however, that Paleoindian populations used a relatively wide range of plant and animal resources that were encountered in more restricted territorial ranges.

2. *Archaic Period (9500 to 3000 BP)*

The Archaic period is characterized by climatic amelioration that eventually resulted in greater biodiversity in the resource base, and changes in technology, site size, and site locations that reflect use of a broader spectrum of resources. Researchers usually divide the Archaic into three subperiods: Early (9500 to 7000 BP); Middle (7000 to 5500 BP); and Late (5500 to 3000 BP).

a. *Early Archaic Period (9500 to 7000 BP)*

The Early Archaic period was initially characterized by fluctuations in climate that eventually stabilized into a warming trend. The warmer conditions enhanced biological diversity in the plant and animal communities developing in the region. The subsistence focus of aboriginal populations shifted from primarily hunting post-Pleistocene megafauna to hunting, fishing, and gathering a diverse range of animal and plant forms. Populations may have increased as a result of the greater stability of the resource base. Most of the evidence of human occupation during this period is based on isolated finds of artifacts diagnostic for the period, including bifurcate-base points, which are most often located along major drainages.

b. *Middle Archaic Period (7000 to 5500 BP)*

During the Middle Archaic the climatic warming trend continued, and new varieties of flora and fauna became established in the region. The subsistence and settlement pattern of the human occupants of the region continued to shift toward seasonal transhumance focused on use of specialized resources within limited ranges, which may have fostered a greater degree of territoriality (Dincauze and Mulholland 1977). Diagnostic artifacts include Neville and Stark projectile points. The reliance on diverse and specialized resources fostered expansion of the toolkit, which included adzes, axes, drills, mortars and pestles, netsinkers, and hammerstones.

c. Late Archaic Period (5500 to 3000 BP)

Climatic warming continued into the Late Archaic. The rich and diverse biotic resource base enabled increased habitation. Diagnostic artifacts for the subperiod include small stemmed projectile points, such as Lamoka, Taconic, Squibnocket, and Brewerton.

By the Terminal Archaic or Transitional period, people were grinding and polishing soapstone to make bowls and other cultural items. The Terminal Archaic is characterized by three cultural traditions: the Laurentian tradition (Vergennes phase and Vosberg complex); the small stemmed tradition; and the Susquehanna tradition (Snook Hill and Orient phases). Based on a reassessment of the distribution of Terminal Archaic points, Snow suggests that the Susquehanna tradition (Snook Hill, Perkiomen, and Susquehanna Broad points) was dominant in the first half of the Terminal Archaic and superseded by the Orient complex (Orient Fishtail points) in the second half of the period (Snow 1980:237). The exact nature of the cultural differences between these traditions has not been conclusively discerned. They may represent differences in settlement system and technology based on use of different resource niches, the migration of new people into the region, or the spread of distinctive technological ideas.

3. Woodland and Contact Periods (3000 to 300 BP)

The Woodland period is divided into three subperiods: Early Woodland (3000 to 1700 BP); Middle Woodland (1700 to 1200 BP); and Late Woodland (1200 to 500 BP).

a. Early Woodland Period (3000 to 1700 BP)

In general, Early Woodland occupations in the Eastern Woodlands are characterized by a continuation of Late Archaic lifeways. Throughout the eastern United States it appears that Early Woodland groups were sedentary or semisedentary, with residential sites located in riverine and upland contexts and logistical sites located in a variety of physiographic contexts.

Ritchie and Funk (1973:96) write that “as in the case of the Transitional [Archaic] stage, it [the Early Woodland] is marked by the appearance of certain new traits and by the characteristic expression of other, older traits,” but “there is no evidence for significant changes in subsistence or settlement patterns.” Substantial residential sites of the Late Archaic are often referred to as base camps, yet similar sites of the Early Woodland become “villages” with the presence of ceramics and possible storage pits at these sites.

Broadspear forms were phased out in the Early Woodland period, and small stemmed and notched forms, as well as lanceolate and teardrop forms, dominate hafted biface assemblages. Ground grooved axes, seen in the Late Archaic, continue into the Early Woodland but are refined, and the repertoire of such implements is expanded. Slate gorgets, pendants, and ground slate pieces have also been recovered from Early Woodland sites.

The mortuary complexity exhibited by some Late Archaic groups continued into the Early Woodland. Meadowood (3000 to 2560 BP) cremations, bundle burials, and flex burials include red ochre, cache blades (“up to 1,500 in one grave”), gorgets, tubular pipes, and copper objects, as well as utilitarian items such as hafted bifaces, other bifacial tools, adzes, celts, bone tools, carbonized nets, and basketry (Ritchie and Funk 1973:96, 348). Early Woodland groups also created burial mounds for their dead, which represents one of the most dramatic manifestations of the social complexity inherent in Adena societies.

The Early Woodland period (Middlesex phase) is characterized by the introduction of ceramic vessels—in this region typed as Vinette 1 undecorated wares, some with steatite temper. Sites of the period are usually found on well-drained knolls next to fresh water (Ritchie 1980:21).

b. Middle Woodland Period (1700 to 1200 BP)

The Middle Woodland period is marked by changes in lithic and ceramic technology. During the Middle Woodland maize agriculture and other horticultural practices were gradually incorporated into the subsistence adaptations of the occupants of the region, promoting development of semipermanent village settlement. Subsistence practices during

the Middle Woodland period were not very different from those of earlier periods, although intensified hunting, gathering, and small-scale agriculture increased use of resources. The climate during this cultural period remained similar to that of the Early Woodland period. Episodic fluctuations in temperature and precipitation did occur, which affected the distribution and composition of biotic communities. Site types identified include small camps (some temporary and some reoccupied over time), semipermanent large camps, cemeteries, burial mounds, and workshop activity areas (Ritchie and Funk 1973:349). The bow and arrow were introduced in this period. Diagnostic lithic artifacts include Jack's Reef Corner Notched and Pentagonal projectile points, and Fox Creek projectile points. The presence of increased amounts of exotic lithic materials suggests further development of interregional trade networks. Other items of material culture associated with the Middle Woodland include ornamental pendants and pins. Ceramic technology became more sophisticated as indicated by a decrease in the wall thickness of pots and a rounding of vessel shape. Ceramic decoration, including netmarking, and ornamentation of collars and bodies increased.

c. Late Woodland and Contact Periods (1200 to 300 BP)

During the Late Woodland period aboriginal populations continued to grow and expand into riverine environmental zones. Agriculture continued to increase in importance as part of aboriginal subsistence systems. Maize became a major component of the prehistoric diet. By the time of the Late Woodland, the climate was very similar to that of today. A greater number of sites, larger sites, and sites with a higher density of cultural material are associated with this period in prehistory compared with earlier periods. Sites have been encountered along major drainages, in association with rockshelters, in coastal areas, and on islands. Small campsites are also located near swamps and streams. The settlement-subsistence system for this period appears to be characterized by an annual pattern of seasonal movement between riverine, coastal, and inland sites. The semipermanence of many of the occupations and resource areas may have fostered greater territoriality (Mulholland 1988:163). Diagnostic artifacts include Levanna projectile points and Owasco-related ceramics.

D. Historic Context

Euro-American settlement in the vicinity of Tioga County did not occur until after the American Revolutionary War. Jesuits on missions to the Iroquois had explored the area, and traders involved in the fur trade moved through the territory of central New York during the seventeenth and eighteenth centuries. The Fort Stanwix Treaty of 1768 maintained the area as Indian territory. The Susquehanna River became an important travel corridor for the British and their Iroquois allies during the Revolutionary War, and was also used by the American forces. What is described as a Tuscarora village at Owego was burned during Clinton and Sullivan's campaigns against the British forces (Everts and Ensign 1879; Gay 1887).

Tioga County was formed from Montgomery County in 1791, and Brome County was split from Tioga County in 1805. The first European settlement in the vicinity of the project area was Amos Draper's trading post near the current Village of Owego. A small settlement grew up around the trading post during the earliest part of the nineteenth century, and various patents were granted on the lands that surrounded the early village. Early pursuits in the town and surrounding region were agriculture, timbering, and milling (grains and lumber). Numerous small hamlets, such as Apalachin, Flemingville, and Campville, sprang up in the nineteenth century, and by 1875 the population of the county was almost 10,000 individuals (Everts and Ensign 1879).

The growth of manufacturing in the region led to similar growth in and around Owego. The establishment and growth of International Business Machines (IBM) in Endicott, and satellite facilities in nearby towns, including Owego, fueled development in the area through the twentieth century (Sedore 2009).

E. Previously Identified Sites and Previous Investigations

No previously documented archaeological sites are located in the APE. The APE has not been previously surveyed. Site-file research revealed a total of four archaeological sites documented within a 1.6-kilometer (1-mile) radius of the project area (Table 1). No information is available on one site (10706.000003). The other three sites are recorded as lithic sites ranging in age from the Late Archaic through the Early Woodland; two of these sites are located on the opposite side of the Susquehanna River north of the project area, and one is recorded on Hiawatha Island (formerly Big Island) in the river channel to the east. No NRHP-listed or eligible properties have been recorded within a 1.6-

kilometer (1-mile) radius of the project area. A review of available historical maps (Beers 1869; Geil 1855; USGS 1904, 1956) (Figures 3 and 4) was conducted to determine the location of possible structures in the APE and the historical development in and around the project area. A review of historic nineteenth- and twentieth-century maps did not indicate the presence of any map-documented structures (MDS) in the APE.

TABLE 1
 RECORDED ARCHAEOLOGICAL SITES IN THE PROJECT VICINITY

SITE No./ ADDITIONAL SITE No., NAME	DISTANCE FROM APE	SITE TYPE/ TIME PERIOD	ARTIFACTS/ FEATURES	REPORTED BY
10706.000003/ Herbert Chrysler Site	650 m (2132 ft)	No information	No information	No information
10706.000079 / SUBi-1896, Little Nanticoke Creek Sites	1234 m (4047 ft)	Precontact/Unknown	4 pcs. chert debitage, 1 shatter/NA	Levandowski 1998
10706.000078 / SUBi-1995, Little Nanticoke Creek Sites	1321 m (4334 ft)	Precontact/ Transitional Archaic- Early Woodland	Chert debitage, bifaces, FCR/NA	Levandowski 1999
10706.000015 / Hiawatha Island Sites	1610 m (5821 ft)	Precontact/ Late and Transitional Archaic	No information	Bush and Versaggi 1976

F. Archaeological Sensitivity

Regarding archaeological sensitivity, most known prehistoric archaeological sites in the larger region can be dated from the Late Archaic through the Late Woodland periods. Although large sites would be expected on the higher terraces along the river, especially near major confluences, smaller satellite sites, such as small camps of varying sizes and lithic production sites, might be expected in or near the project area. No historical archaeological resources would be expected in the project area.

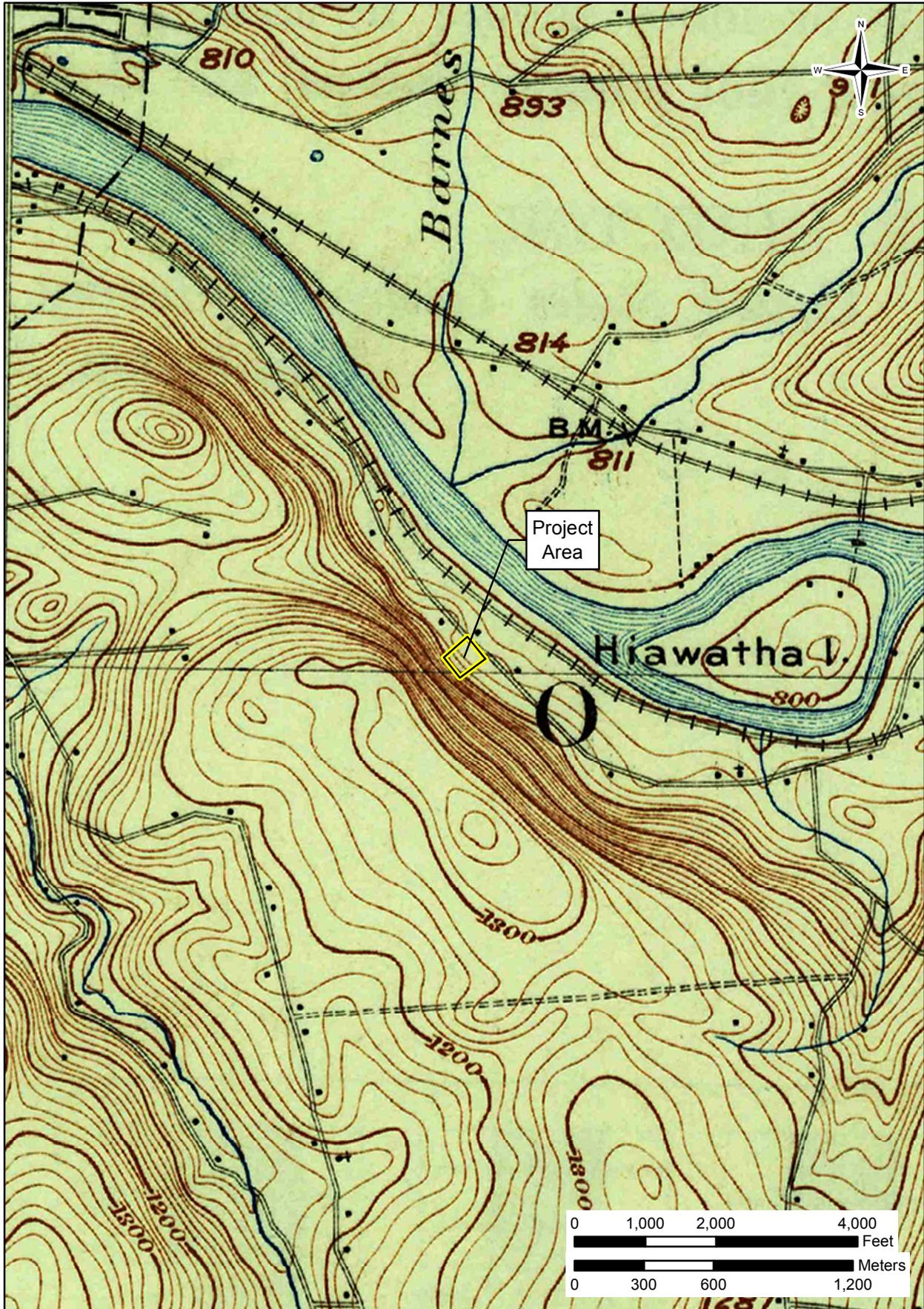


FIGURE 3: Project Area in 1903 (USGS Apalachin 1904)

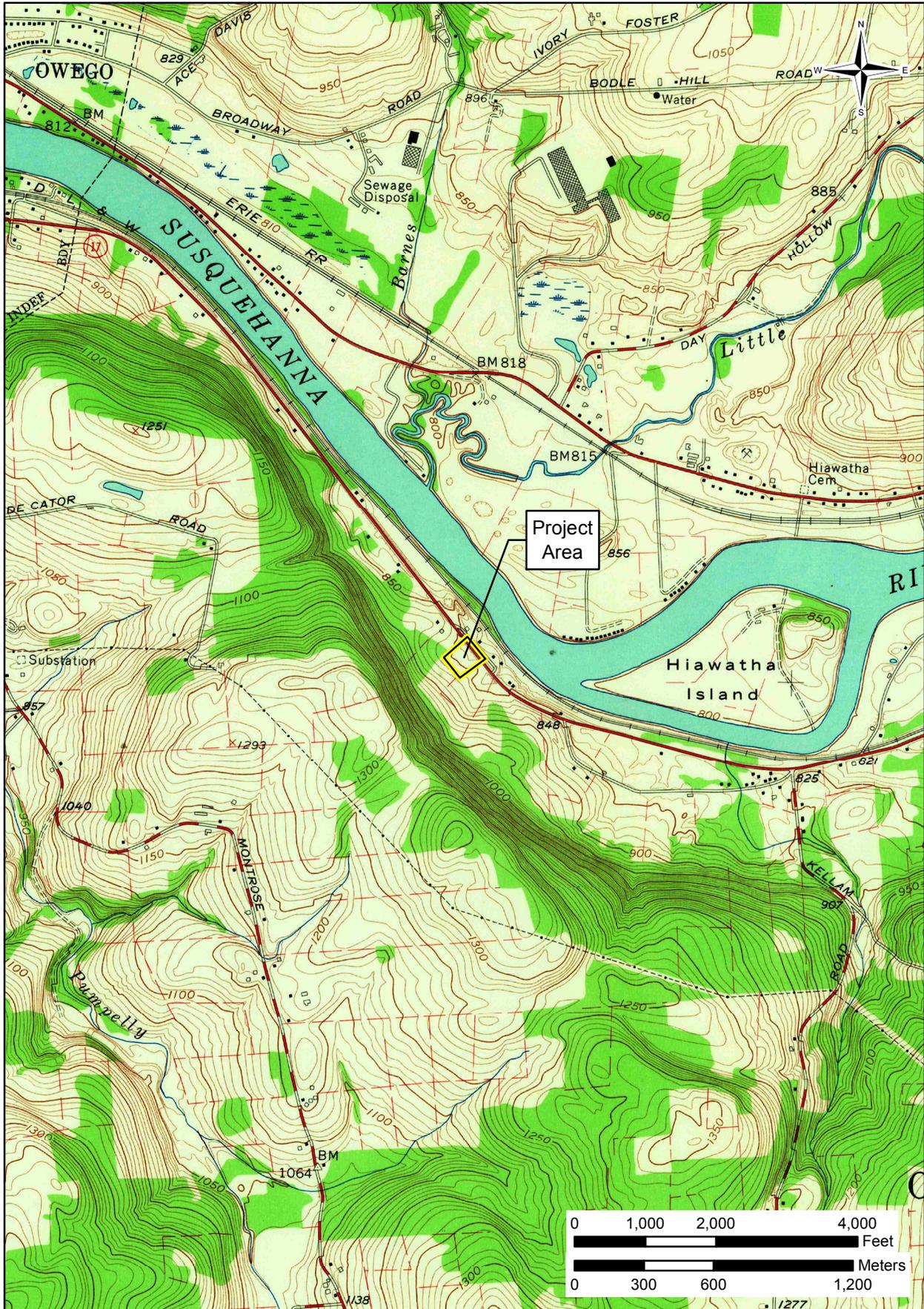


FIGURE 4: Project Area in 1956 (USGS Apalachin 1956)

III. Archaeological Field Methods and Techniques

The fieldwork was conducted on March 1, 2016. The fieldwork consisted of a thorough pedestrian reconnaissance of the project area, followed by subsurface shovel testing in areas that were sufficiently well drained to permit excavation.

Shovel tests were excavated at a standard 15-meter (50-foot) interval and measured approximately 40 centimeters (1.3 feet) in diameter. All soils removed from the shovel tests were passed through 0.64-centimeter (0.25-inch) mesh hardware cloth to recover artifacts. As each natural or cultural stratum was excavated, that stratum was assigned an alphabetic designation (Stratum A, Stratum B, etc.) to indicate its stratigraphic relationship to the other levels in the shovel test. The letter designations were assigned beginning with the first excavated level of the shovel test and proceeded alphabetically through each subsequent level, until the termination of the shovel test. The shovel test data were recorded on standardized forms and included stratum depth, soil texture, soil color according to Munsell soil color charts, percentage of rock fragments, and other data, such as presence of groundwater, as needed. Shovel tests were terminated in sterile subsoil unless an impasse was encountered. Shovel test proveniences and project area conditions were recorded on a project plan map. Digital photographs were taken of the project area to document disturbances and to complement the field notes. Details of shovel test results are provided in Appendix A.

IV. Results of the Phase I Archaeological Survey

Louis Berger excavated 21 shovel tests in the project area (see Figure 2). These shovel tests were arrayed in three transects parallel to the southwest boundary of the project area (Transects A, B, and C), consisting of 14 excavated shovel tests, with five additional tests placed judgmentally in the lower-lying portion of the project area to assess the subsurface conditions (Shovel Tests J-1–J-5).

Disturbances were noted in the project area during surface inspection, including paving, buildings, soil berms, and road shoulder (see Figure 2). For the most part these disturbances were located along the margins of the project area, and generally the majority of the project area appeared to be undisturbed.

Generally, the soils encountered in intact shovel tests consisted of a dark brown to dark grayish brown (10YR 4/2 to 4/3) silt loam Ap horizon approximately 20 to 30 centimeters (0.65 to 0.98 feet) thick, capping a mottled light olive brown to olive yellow (2.5Y 5/6 to 6/6) silty clay loam Bw horizon (see Appendix A). Rock content was generally high, with cobble, gravel, and channery content ranging from 10 to 20 percent in the Ap horizon to 20 percent or more in the B horizon.

Northeast of Transect C, conditions were significantly wetter, with some relatively large areas of standing water. Judgmental shovel tests (J-1–J-5) excavated in even slightly elevated hummocks in this part of the project area encountered ground water within 10 to 20 centimeters (0.3 to 0.6 feet) of the surface. The generally wet conditions appeared to be reflected in the vegetation change; the pine overstory was absent in this portion of the project area, and the thick understory appeared to be partly a result of the limited hardwood overstory, much of which appeared to be dead or dying.

Groundwater was typically close to the surface; in some places it was encountered either at the surface or above the base of the plowzone. Based on the conditions observed in the soil, it appears likely that agriculture would have been practiced only when artificial drainage was maintained. Lacking an active drainage system to divert the upslope groundwater below the surface, the project area appears to have reverted to pre-agricultural conditions, i.e., wooded and generally wet, with the wet soil conditions increasing in the downslope direction. So, although a plowzone was encountered, the project area appears to have been marginal agricultural land.

No artifacts were recovered from any of the shovel tests, and no evidence of prior historical development was noted during the pedestrian reconnaissance.

V. Summary and Conclusions

On behalf of GOSR, Louis Berger has completed a Phase I Archaeological Survey of the proposed Owego Town and Utility Offices Relocation in the Town of Owego, Tioga County, New York. The archaeological survey was conducted to determine the presence of any potentially significant archaeological sites prior to the proposed construction. The APE, or project area, consists of the entire property, approximately 2 hectares (5 acres) located in a wooded parcel on the northwest side of the Owego Town Hall along Route 434.

During the investigation Louis Berger excavated 19 shovel tests, focused primarily in the southwest half of the 2-hectare (5-acre) project area. Shovel tests were excavated at a standard 15-meter interval, with the exception of shovel test locations placed in the low-lying northeast half of the project area, consisted of undulating topography, much of which had standing water at the surface. Lying within a topographic low, the northeast portion appears to be perennially wet, and is in part occupied by the outflow from the pond on the adjacent property. None of the excavated shovel tests resulted in the recovery of any artifacts, and the project area appears to have been poorly drained throughout the past.

No archaeological sites were identified, and no cultural material was recovered from the subsurface testing. It is Louis Berger's opinion that no cultural resources are present in the project area that are eligible for inclusion in the National Register of Historic Places (NRHP), and the proposed project can proceed as planned.

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1956 *Apalachin, NY*. 7.5-Minute Series Topographic Quadrangle. Photorevised 1983. United States Geological Survey, Reston, Virginia.

Appendix A

Shovel Test Log

STP	Stratum	Depth to base of Stratum		Soil Color	Texture	Coarse Fraction	Artifact Cat. #	Comments
		cm	ft					
A-1	A	25	0.82	10YR 4/3 DarkYellowish Brown	Silt Loam	10 Percent Channers and Gravels	NCM	
	B	42	1.38	2.5Y 6/6 Olive Yellow	Silty Clay Loam	20 Percent Channers and Gravels	NCM	
A-2	A	32	1.05	10YR 4/3 DarkYellowish Brown	Silt Loam	20 Percent Channers and Gravels	NCM	
	C	46	1.51	2.5Y 6/6 Olive Yellow	Silty Clay Loam	20 Percent Channers and Gravels	NCM	Groundwater at 38 cm
A-3	A	28	0.92	10YR 4/3 DarkYellowish Brown	Silt Loam	20 Percent Gravels	NCM	
	B	44	1.44	2.5Y 5/6 Light Olive Brown	Silty Clay Loam	20 Percent Channers and Gravels	NCM	
A-4	A	22	0.72	10YR 4/3 DarkYellowish Brown	Silt Loam	10 Percent Channers and Gravels	NCM	
	B	46	1.51	2.5Y 6/6 Olive Yellow	Silty Clay Loam	20 Percent Channers and Gravels	NCM	
A-5	A	23	0.75	10YR 4/2 Very Dark Grayish Brown	Silt Loam	10 Percent Gravels	NCM	
	B	33	1.08	2.5Y 6/6 Olive Yellow	Silty Clay Loam	10 Percent Channers and Gravels	NCM	Groundwater at 33 cm
A-6	A	24	0.79	10YR 4/3 DarkYellowish Brown	Silt Loam	10 Percent Channers and Gravels	NCM	
	B	37	1.21	2.5Y 5/6 Light Olive Brown	Silty Clay Loam		NCM	
A-7	A	29	0.95	10YR 4/2 Very Dark Grayish Brown	Silt Loam		NCM	
	B	39	1.28	2.5Y 5/6 Light Olive Brown	Silty Clay Loam	10 Percent Channers and Gravels	NCM	Groundwater at 36 cm
B-2	A	31	1.02	10YR 4/3 DarkYellowish Brown	Silt Loam		NCM	
	B	45	1.48	2.5Y 6/6 Olive Yellow	Silty Clay Loam		NCM	
B-3	A	33	1.08	10YR 4/3 DarkYellowish Brown	Silt Loam	10 Percent Channers and Gravels	NCM	
	B	48	1.57	2.5Y 6/6 Olive Yellow	Silty Clay Loam	10 Percent Channers and Gravels	NCM	

STP	Stratum	Depth to base of Stratum		Soil Color	Texture	Coarse Fraction	Artifact Cat. #	Comments
		cm	ft					
B-4	A	29	0.95	10YR 4/3 DarkYellowish Brown	Silt Loam	2 Percent Gravels	NCM	
	B	40	1.31	2.5Y 5/6 Light Olive Brown	Silty Clay Loam	5 Percent Gravels	NCM	Groundwater at 33 cm
B-5	A	26	0.85	10YR 4/2 Very Dark Grayish Brown	Silt Loam	10 Percent Gravels	NCM	
	B	44	1.44	2.5Y 6/6 Olive Yellow	Silty Clay Loam	20 Percent Channers and Gravels	NCM	
B-6	A	25	0.82	10YR 4/3 DarkYellowish Brown	Silt Loam	20 Percent Channers and Gravels	NCM	Groundwater at 23 cm
B-7	A	18	0.59	10YR 4/2 Very Dark Grayish Brown	Silt Loam		NCM	Groundwater at 16 cm
C-2								Not Excavated; On Berm
C-3	A	36	1.18	10YR 4/3 DarkYellowish Brown	Silt Loam		NCM	
	B	45	1.48	2.5Y 6/6 Olive Yellow	Silty Clay Loam		NCM	
C-4	A	25	0.82	10YR 4/2 Very Dark Grayish Brown	Silt Loam	5 Percent Gravels	NCM	
	B	42	1.38	2.5Y 5/6 Light Olive Brown	Silty Clay Loam		NCM	Groundwater at 30 cm
C-5	A	28	0.92	10YR 4/3 DarkYellowish Brown	Silt Loam	5 Percent Gravels	NCM	Groundwater at 27 cm
C-6								Not excavated; standing water
C-7								Not excavated; standing water
J-1	A	16	0.52	10YR 3/2 Very Dark Grayish Brown	Silt Loam	10 Percent Gravels	NCM	Groundwater at 15 cm
J-2	A	18	0.59	10YR 4/2 Very Dark Grayish Brown	Silt Loam	20 Percent Gravels	NCM	
	B	32	1.05	10YR 5/1 Gray	Clay Loam		NCM	Groundwater at 23 cm
J-3	A	22	0.72	10YR 4/1 Dark Gray	Silt Loam	5 Percent Gravels	NCM	Groundwater at 17 cm
J-4	A	20	0.66	10YR 4/1 Dark Gray	Silt Loam	10 Percent Gravels	NCM	Groundwater at 16 cm
J-5	A	9	0.30	10YR 4/1 Dark Gray	Silt Loam		NCM	Groundwater at 7 cm



Louis Berger

Appendix F – Tribal Correspondence



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Clint Halfdown, Chief
Cayuga Nation of New York
P.O. Box 803
Seneca Falls, NY 13148

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Chief Clint Halfdown,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for the construction of a critical municipal operations building for the Town and the Village of Owego. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Cayuga Nation of New York and the Onondaga Nation.

Area of Potential Effect: The Town of Owego (in a joint project with the Village of Owego) is proposing to construct a new 24,000 sf building to house critical municipal operations for both the Town and the Village of Owego. The consolidated municipal operations will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town and village facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town and Village of Owego have applied to the Governor's



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
Suite 1224
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
Governor's Office of Storm Recovery



Governor's Office of Storm Recovery



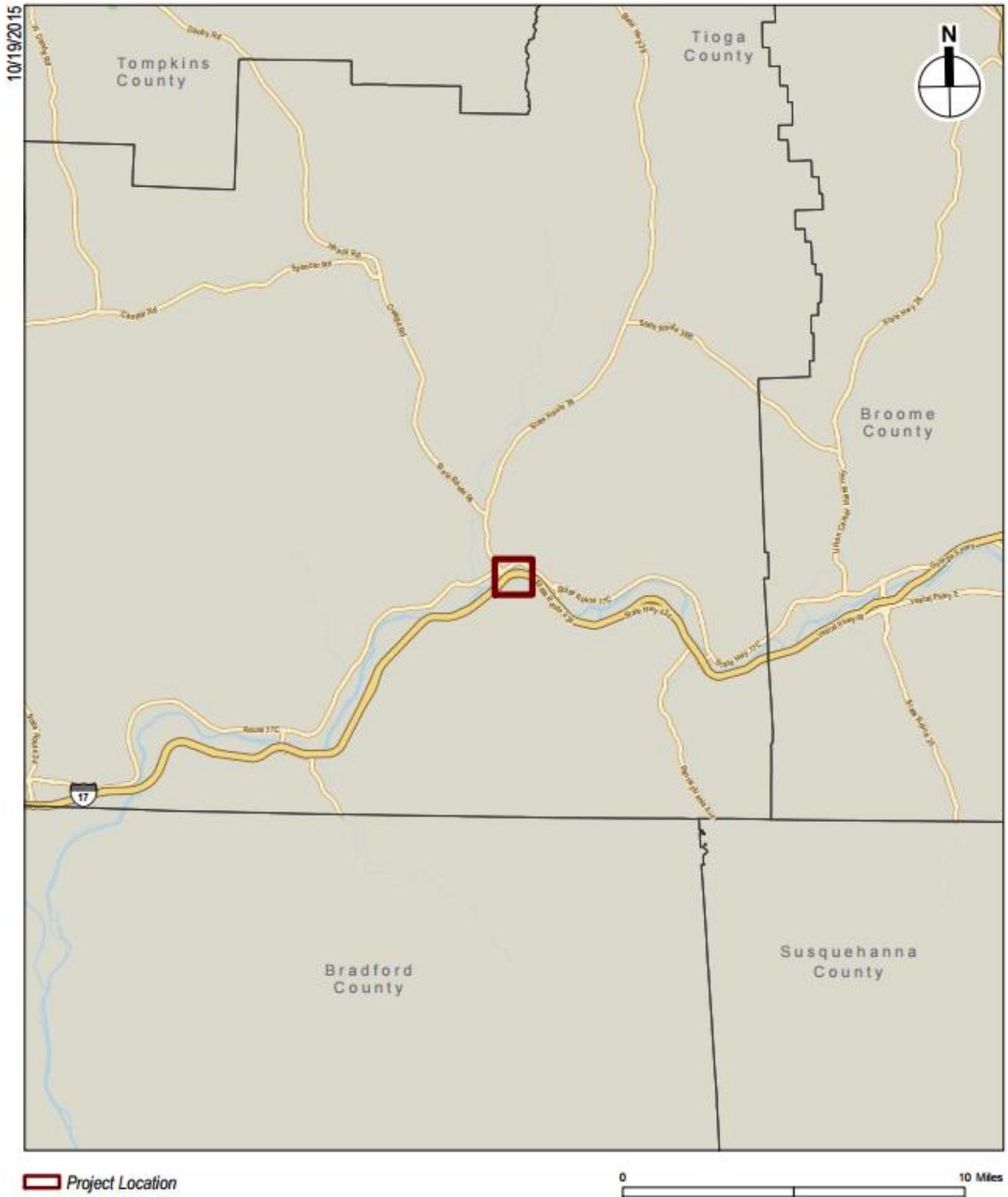
Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Enclosures:

Figure 1: Project Location

Figure 2: Project Site



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Tim Twoguns, Nation Representative
Cayuga Nation of New York
P.O. Box 786
Seneca Falls, NY 13148

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Tim Twoguns,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

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Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
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Albany, New York 12260

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Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
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Governor's Office of Storm Recovery



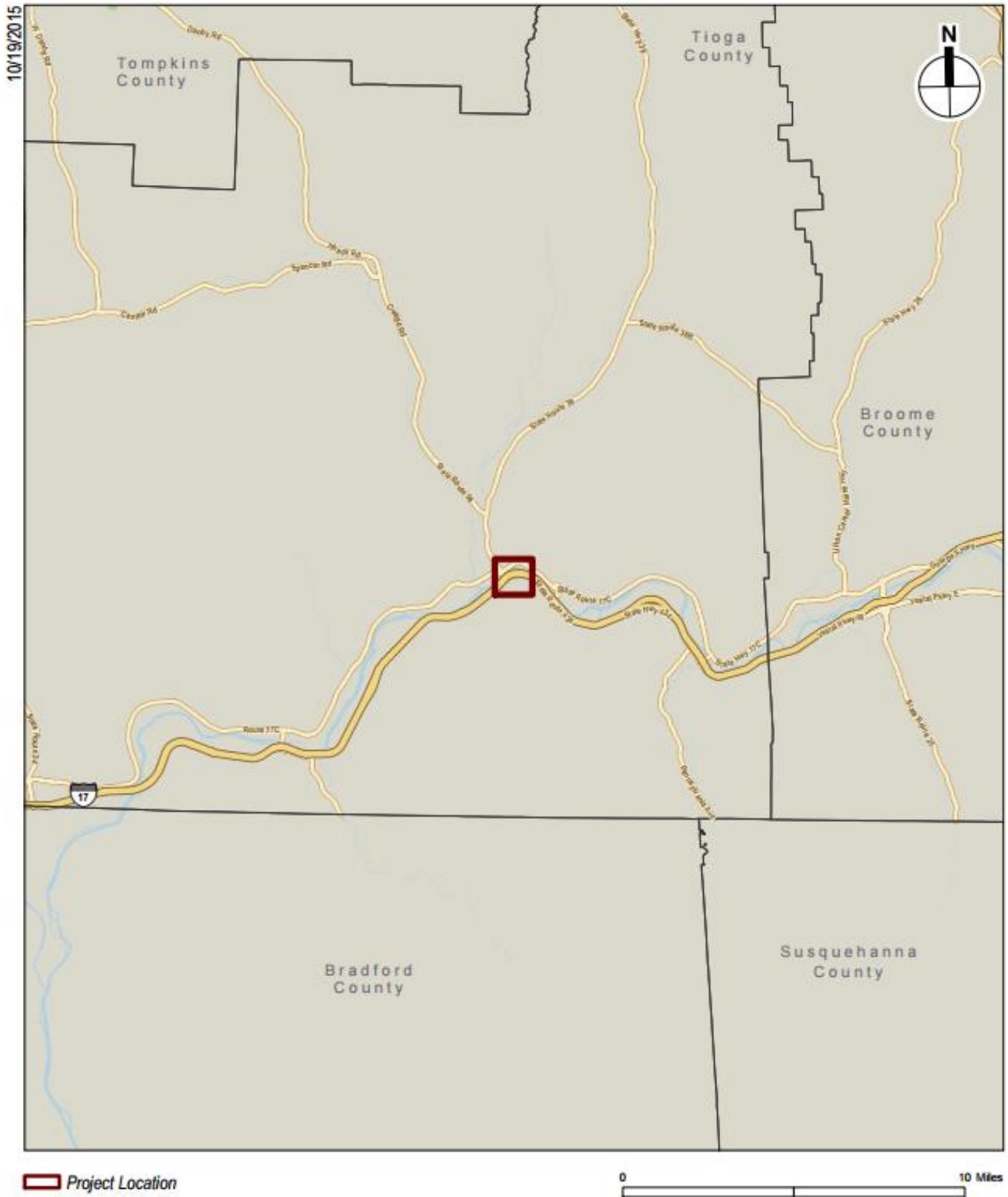
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Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Tina Orbaker, Nation Representative-Assistant
Cayuga Nation of New York
P.O. Box 786
Seneca Falls, NY 13148

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Tina Orbaker,

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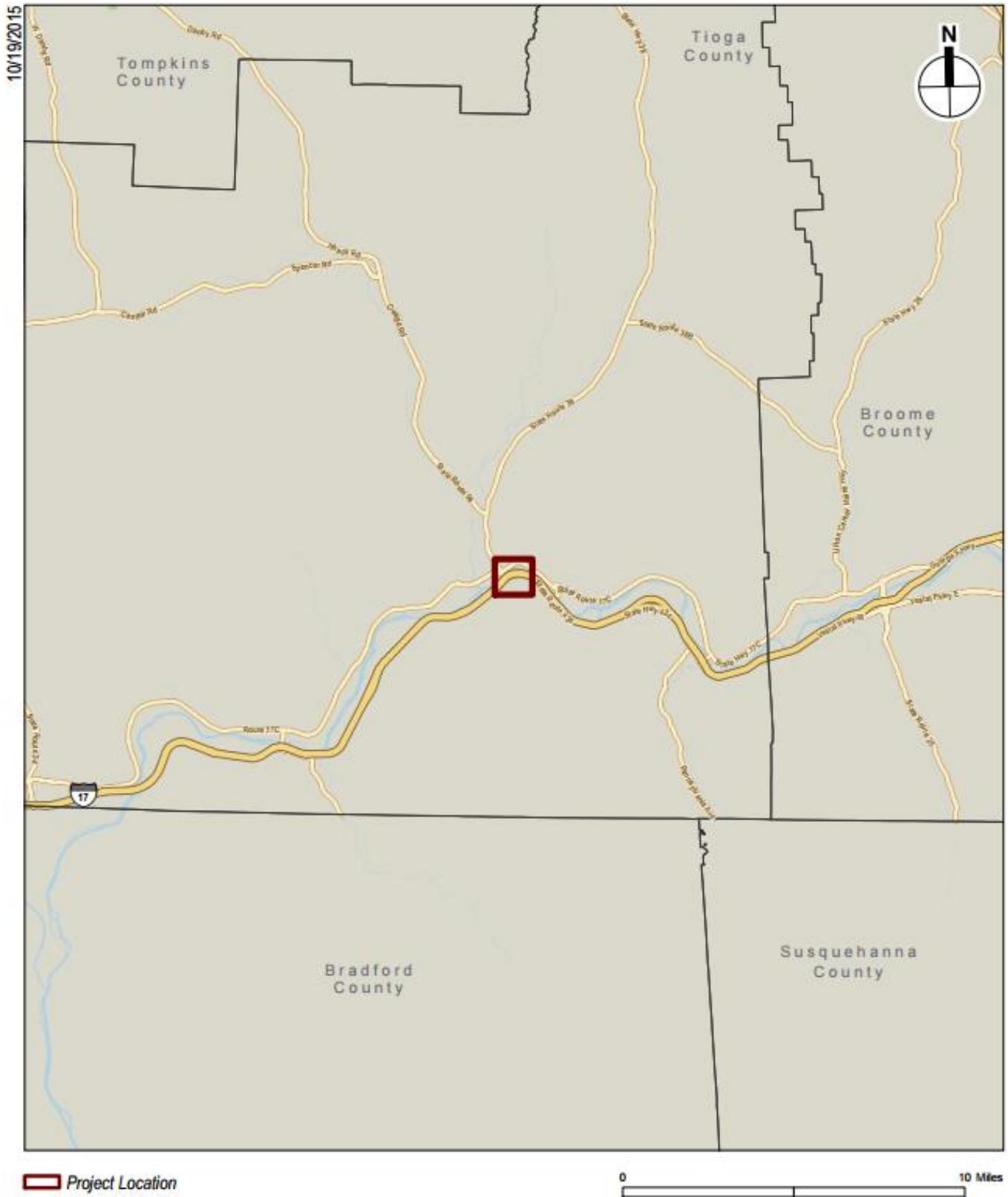
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Executive Director

Enclosures:

Figure 1: Project Location

Figure 2: Project Site



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Irving Powless, Chief
Onondaga Nation
RR#1, Box 319-B
Onondaga Nation via Nedrow, NY 13120

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Chief Irving Powless,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for the construction of a critical municipal operations building for the Town and the Village of Owego. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Cayuga Nation of New York and the Onondaga Nation.

Area of Potential Effect: The Town of Owego (in a joint project with the Village of Owego) is proposing to construct a new 24,000 sf building to house critical municipal operations for both the Town and the Village of Owego. The consolidated municipal operations will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town and village facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town and Village of Owego have applied to the Governor's



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
Suite 1224
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
Governor's Office of Storm Recovery



Governor's Office of Storm Recovery



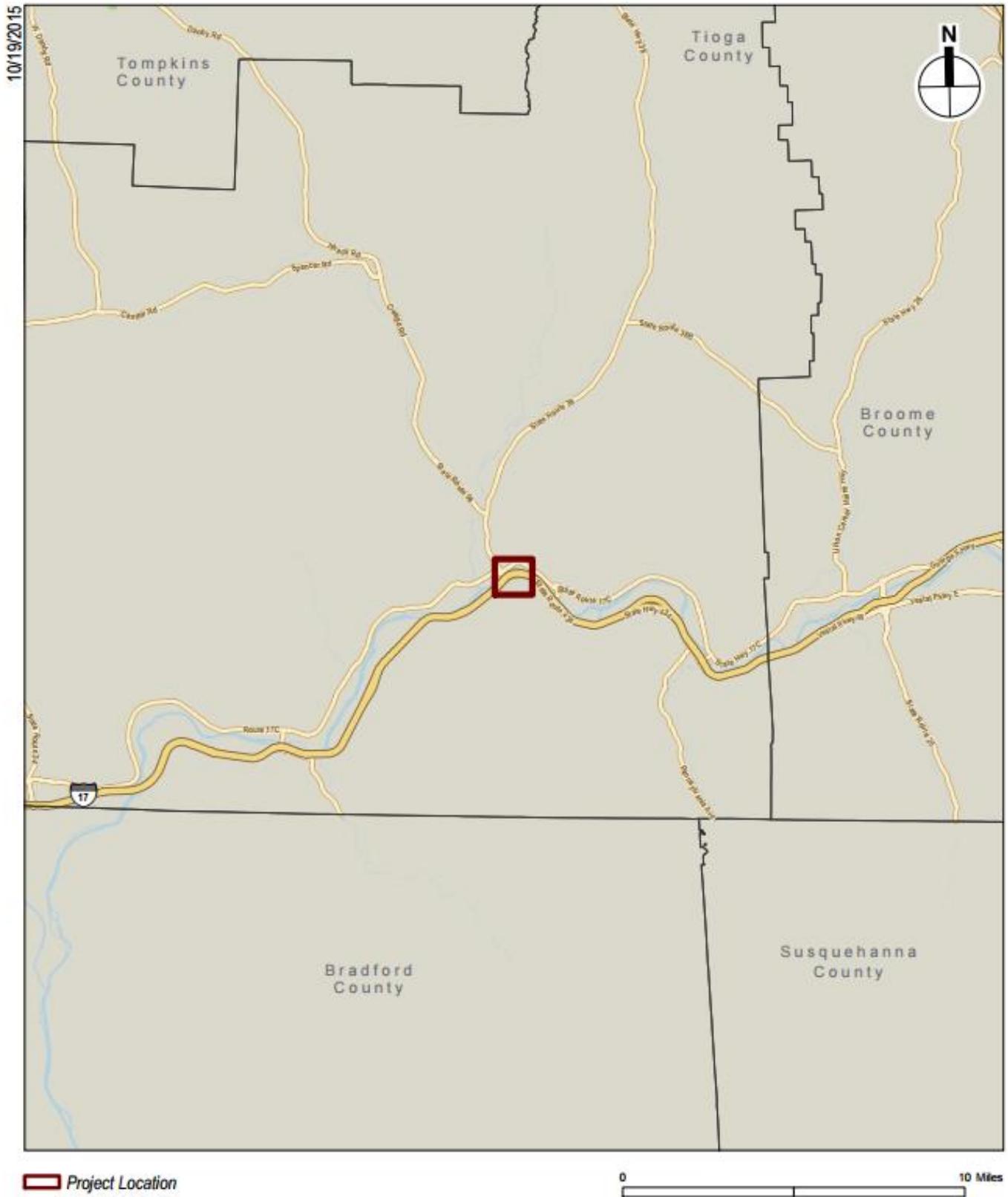
Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Enclosures:

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(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Anthony Gonyea, Faithkeeper-Beaver Clan
Onondaga Nation
RR#1, Box 245
Onondaga Nation via Nedrow, NY 13120

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Anthony Gonyea,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for the construction of a critical municipal operations building for the Town and the Village of Owego. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Cayuga Nation of New York and the Onondaga Nation.

Area of Potential Effect: The Town of Owego (in a joint project with the Village of Owego) is proposing to construct a new 24,000 sf building to house critical municipal operations for both the Town and the Village of Owego. The consolidated municipal operations will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town and village facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town and Village of Owego have applied to the Governor's



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
Suite 1224
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
Governor's Office of Storm Recovery



Governor's Office of Storm Recovery



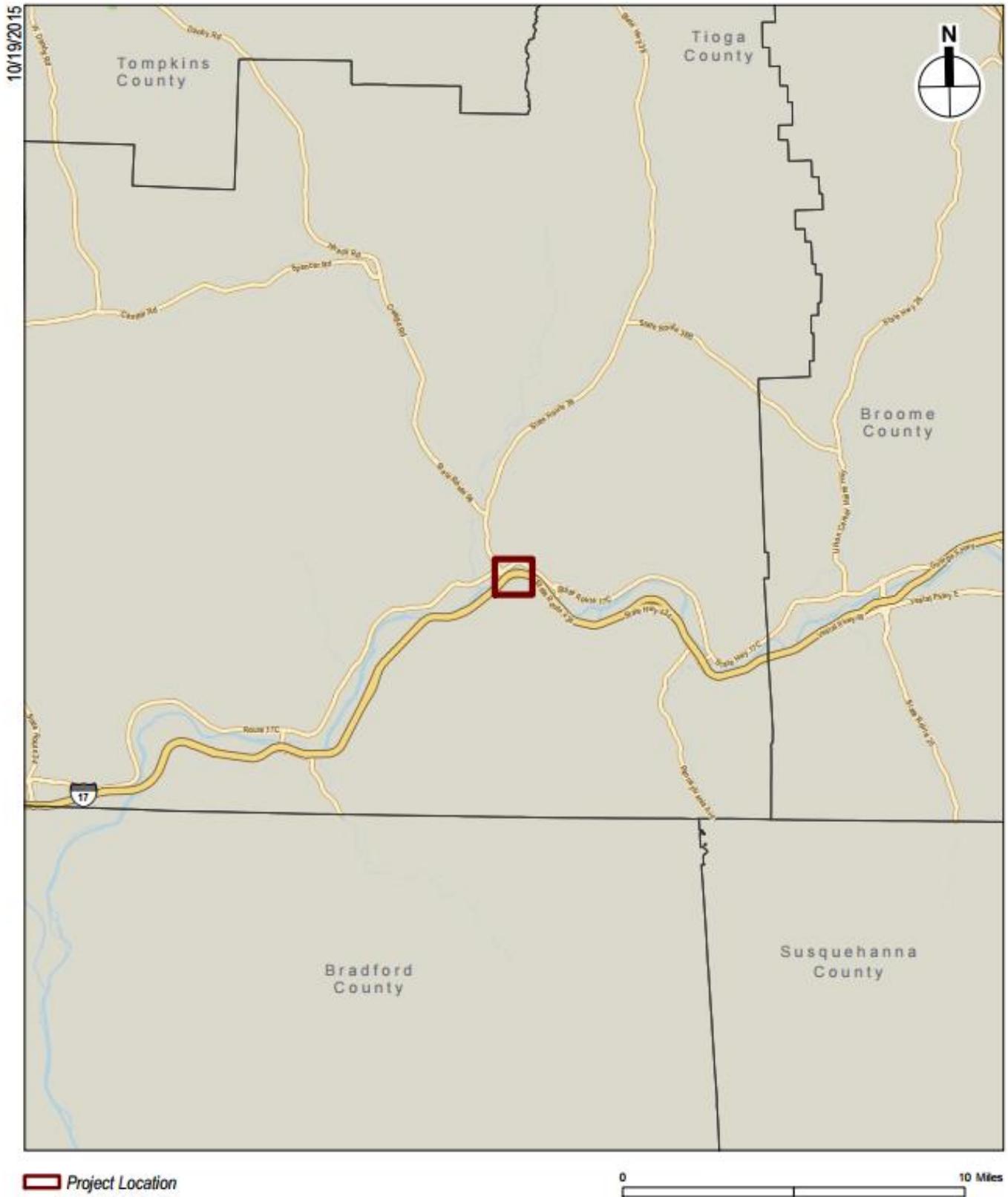
Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Enclosures:

Figure 1: Project Location

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**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

March 3, 2016

Ms. Thane Joyal
Attorney at Law, Counsel to Onondaga Nation
512 Jamesville Avenue
Syracuse, NY 13210

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Ms. Thane Joyal,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for the construction of a critical municipal operations building for the Town and the Village of Owego. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Cayuga Nation of New York and the Onondaga Nation.

Area of Potential Effect: The Town of Owego (in a joint project with the Village of Owego) is proposing to construct a new 24,000 sf building to house critical municipal operations for both the Town and the Village of Owego. The consolidated municipal operations will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town and village facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town and Village of Owego have applied to the Governor's



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 30 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
Suite 1224
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
Governor's Office of Storm Recovery



Governor's Office of Storm Recovery



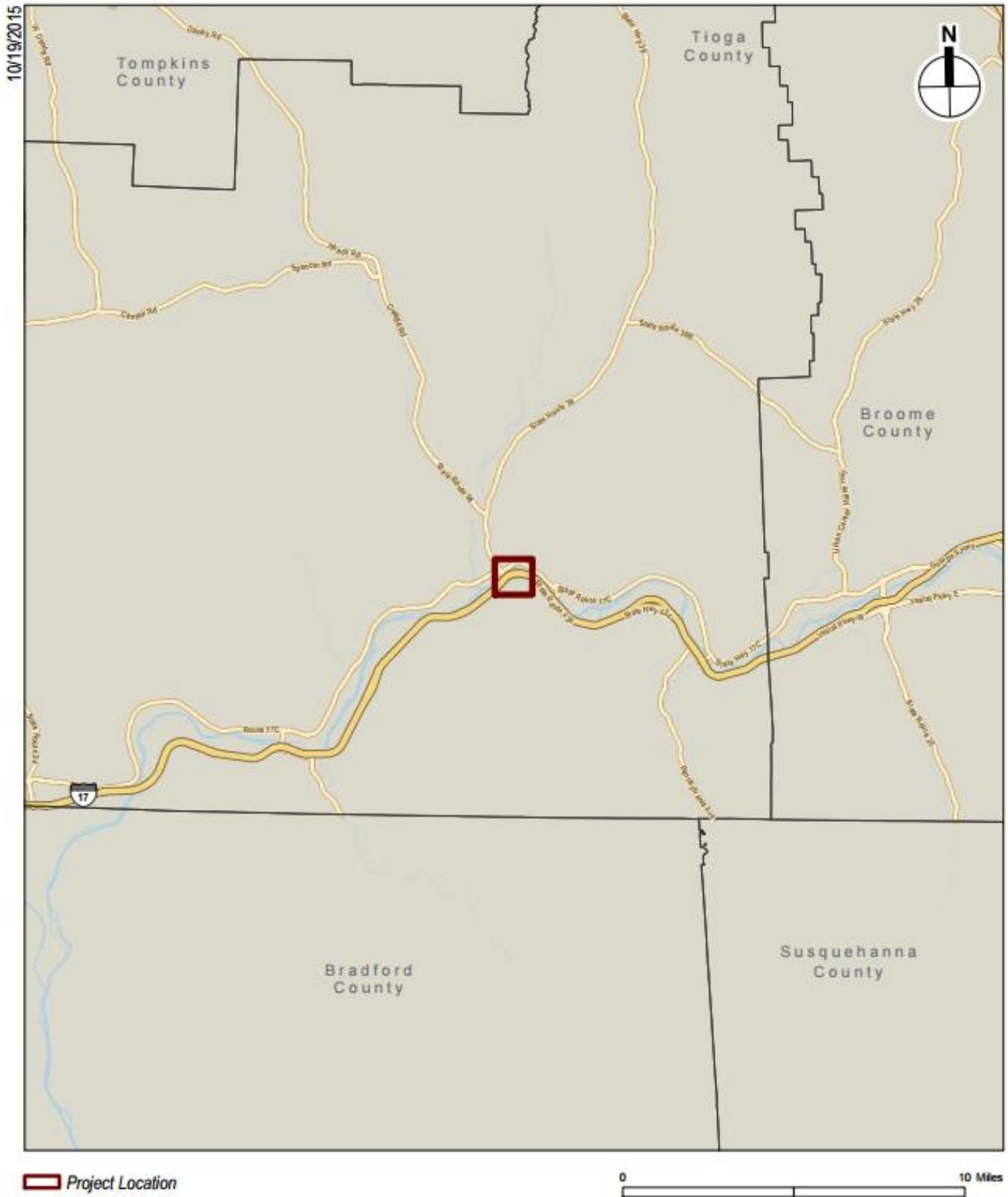
Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Enclosures:

Figure 1: Project Location

Figure 2: Project Site



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

April 22, 2016

William Fisher, Chief
Seneca-Cayuga Nation
PO Box 453220
Grove, OK 74345-3220

Re: Section 106 Discussion CDBG-DR, NYRCR Town of Owego-DPW, Parks and Utilities Office Relocation (Joint Project with the Village of Owego), Owego, Tioga County, New York

Dear Chief William Fisher,

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for the construction of a critical municipal operations building for the Town and the Village of Owego. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Cayuga Nation of New York, Onondaga Nation, and the Seneca Cayuga Nation.

Area of Potential Effect: The Town of Owego (in a joint project with the Village of Owego) is proposing to construct a new 24,000 sf building to house critical municipal operations for both the Town and the Village of Owego. The consolidated municipal operations will be located on one campus adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat. 42.082329, Long. -76.226042). Figures depicting the project site are enclosed with this letter.

Proposed Project Description: The Town and Village of Owego were particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, some critical town and village facilities are located in the floodplain and are thus vulnerable during large storm events. In response to the need to relocate critical services out of the floodplain, the Town and Village of Owego have applied to the Governor's



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Office of Storm Recovery (GOSR) under the New York Rising Community Recovery (NYRCR) program to fund the relocation of the Village and Town municipal facilities to assure continuous operation of municipal services during future storm events.

This building will be designed to include a shared space for the Town and Village's Department of Public Works (DPW) equipment. Other areas will be designated for use by each municipal entity. The Town of Owego will utilize their designated area to house the sewer and water department, parks office and DPW office. The Village of Owego will utilize their designated area for a DPW office and code office. Construction activities will include clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. A Phase I has been completed for this project and submitted to SHPO with the proposed finding of No Effect to Historic Properties. GOSR is completing an environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 20 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King, Esq.
Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue
Suite 1224
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King, Esq.
Deputy General Counsel and Certifying Officer
Governor's Office of Storm Recovery



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Enclosures:

Figure 1: Project Location

Figure 2: Project Site

Figure 3: SHPO Determination

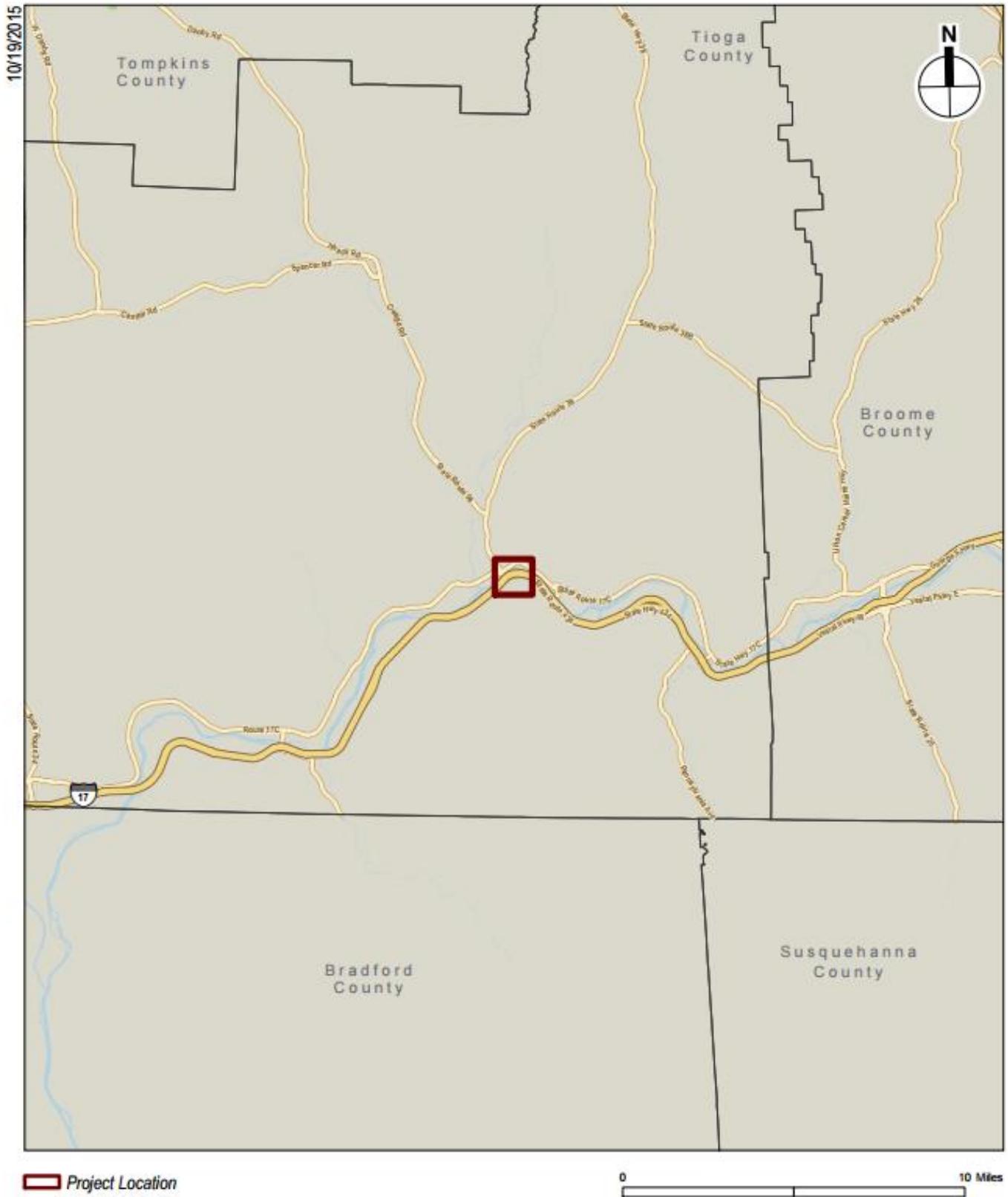
Electronic letter sent to:

Paul Barton, THPO Representative

Seneca-Cayuga Nation

PO Box 453220

Grove, OK 74345-3220



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Location Map
Figure 1**



**Town of Owego DPW, Parks and Utilities Relocation Project
(Joint Project with the Village of Owego)**

**Project Site Map
Figure 2**

Clint Halfdown, Chief
Cayuga Nation of New York
P.O. Box 803
Seneca Falls, NY 13148

Tina Orbaker, Nation Representative-
Assistant
Cayuga Nation of New York
P.O. Box 786
Seneca Falls, NY 13148

Ms. Thane Joyal
Attorney at Law, Counsel to
Onondaga Nation
512 Jamesville Avenue
Syracuse, NY 13210

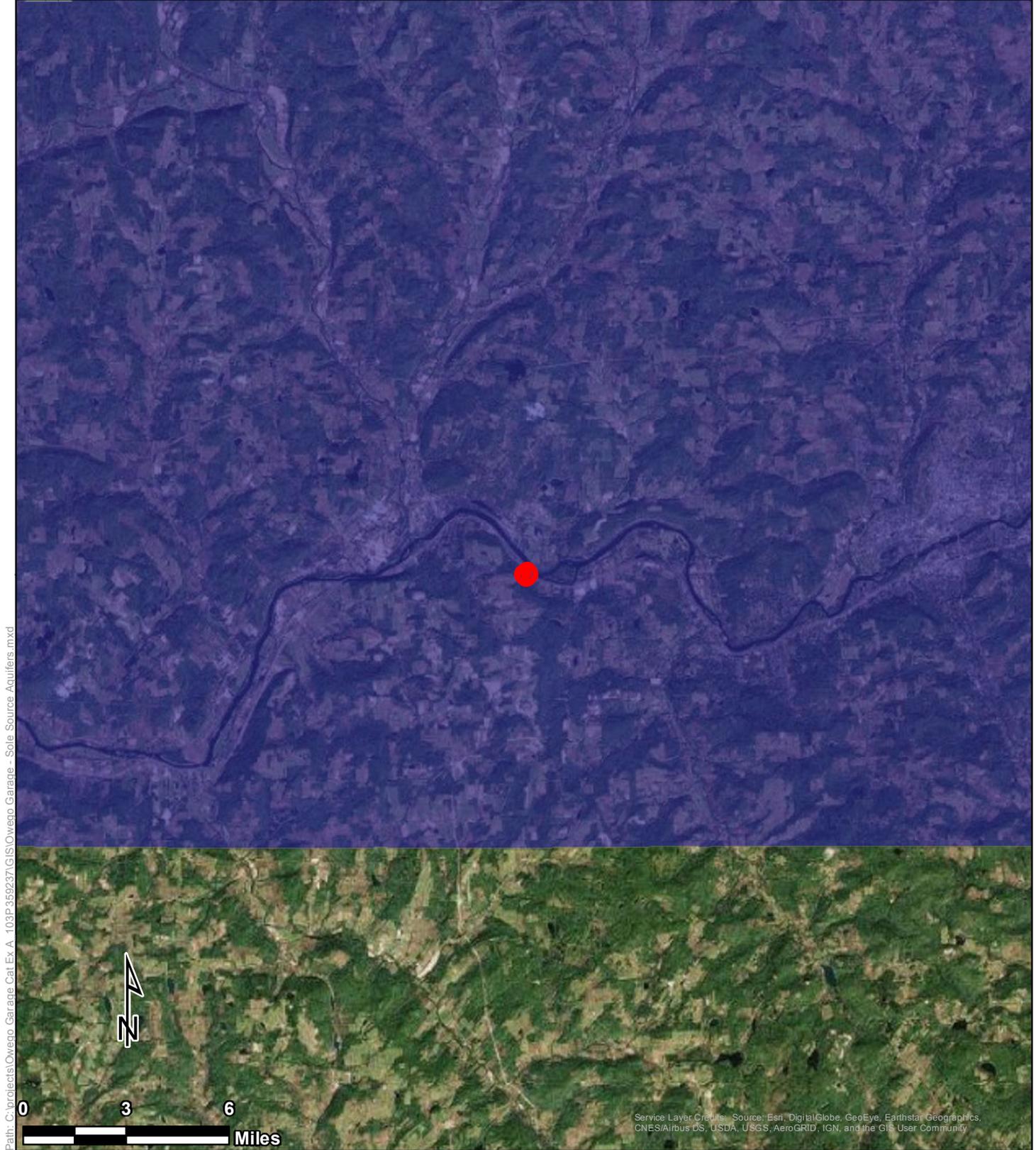
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13120

Tina Orbaker, Nation Representative-
Assistant
Cayuga Nation of New York
P.O. Box 786
Seneca Falls, NY 13148

Anthony Gonyea, Faithkeeper-Beaver Clan
Onondaga Nation
RR#1, Box 245
Onondaga Nation via Nedrow, NY 13120

Appendix G – Sole Source Aquifer



Sole Source Aquifers

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

Legend

- Project Location
- Clinton Street Ballpark SSA



Tetra Tech, Inc



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

December 7, 2016
Ms. Grace Musumeci
U.S. Environmental Protection Agency
Region II Main Regional Office
290 Broadway, 25th Floor
New York, NY 10007

Re: Sole Source Aquifer Analysis - CDBG-DR NY Rising Community Reconstruction Program – Town of Owego New Garage in Owego, Tioga, NY

Dear Ms. Musumeci:

The Governor's Office of Storm Recovery (GOSR), operating under the auspices of the New York State Homes and Community Renewal's (NYSHCR) Housing Trust Fund Corporation, was established to aid the statewide recovery of disaster-affected communities in New York State. GOSR is administering a U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant for Disaster Recovery (CDBG-DR). 24 C.F.R. Part 58 requires GOSR to review projects for conformance with the Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300(f) *et seq.*, and 21 U.S.C. 349) as amended, and Environmental Protection Agency ("EPA") regulations pertaining to Sole Source Aquifers found at 40 C.F.R. Part 149. On behalf of GOSR, please find enclosed the sole source aquifer review information for one such project.

The Town of Owego has applied for CDBG-DR funding through the NY Rising Community Reconstruction Program for the construction of a new 32,800 sf garage facility to house critical municipal operations for the Town of Owego (see attached figures). This facility will be built adjacent to the existing Owego Town Hall. During emergency responses the building will be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations and to house the sewer and water department, parks office and DPW office. Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant or construction of an on-site septic and leachate field.

The purpose of the project is to move the Town of Owego municipal facilities out of the 100-year floodplain to ensure the continued operation of town operations during flood events. The Town of Owego was particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, critical town facilities are located in the floodplain and are vulnerable during large storm events. Relocating the Town of Owego municipal facilities outside of the floodplain will allow for continuity of services. The area where the proposed project will take place is located adjacent to the current **Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat.42.082329, Long. -76.226042)** (see attached figures).

The proposed project will include consolidation of municipal operations into one campus, which will lead to cost savings as well. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

during storm events. The need for the project was identified in the Long Term Community Recovery Strategy and 2014 New York Rising Community Recover Tioga Plan.

Approximately 3 acres of land will be cleared of trees for the construction of a new town garage, septic system, supply well, parking and storm drainage basins (see attached figures).

In accordance with the Memorandum of Understanding (“MOU”) between EPA and HUD dated August 24, 1990, GOSR hereby requests an Initial Screen/Preliminary Review for the project. Please review the attached documentation, including Attachment 2.A and 3 to the MOU. Responses can be sent to me via email at alicia.shultz@nyshcr.org. In accordance with the MOU, I will look forward to your response within the next 15 days. If you have any questions, please call me at (518) 474-0648.

Sincerely,

Alicia Shultz
Community Developer - Environmental Services
New York State Homes & Community Renewal
38-40 State St., 408N, Hampton Plaza, Albany, NY 12207
Office (518) 474-0647
Cell (917) 376-9003
Alicia.Shultz@nyshcr.org

Enclosures:

- 2.A Non-housing/Project Activity Initial Screen Criteria
- 3 SSA Preliminary Review Information Requirements

Attachments:

- A. Project Summary
- B. Figures

ATTACHMENT 2.A

NON-HOUSING/PROJECT ACTIVITY INITIAL SCREEN CRITERIA

The following list of criteria questions are to be used as an initial screen to determine which **non-housing** projects/activities should be forwarded to the Environmental Protection Agency (EPA) for Preliminary Sole Source Aquifer (SSA) Review. (For housing projects/activities see Attachment 2.B) If any of the questions are answered affirmatively, Attachment 3, SSA Preliminary Review Requirements, should also be completed. The application/final statement, this Attachment, Attachment 3, and any other pertinent information should then be forwarded to EPA at the address below.

Any project/activity not meeting the criteria in this Attachment, but suspected of having a potential adverse effect on the Sole Source Aquifer should also be forwarded.

CRITERIA QUESTIONS	YES	NO	N/A
<p>1. Is the project/activity located within a currently designated or proposed groundwater sensitive area such as a special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.? [This information can be obtained from the County or Regional Planning board, the local health department, the State health department or the State environmental agency.] Sole Source Aquifer Only.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>2. Is the project/activity located within a one half mile radius (2640 feet) of a current or proposed public water supply well or wellfield? [This information can be obtained from the local health department, the State health department or the State environmental agency.] The town hall and adjacent residents have private supply wells. There is no public water within 2640 feet of the project.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Will the project/activity include or directly cause (check appropriate items):

	YES	NO	N/A
construction or expansion of solid waste disposal, recycling or conversion facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion or closure of landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of water supply facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of on-site wastewater treatment plants or sewage trunk lines A septic system for the project site will be constructed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of gas or petroleum trunk lines greater than 1320 feet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of railroad spurs or similar extensions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of municipal sewage treatment plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4. Will the project/activity include storage or handling of any hazardous constituents as listed in Attachment 4, Hazardous Constituents

YES NO N/A

5. Will the project/activity include bulk storage of petroleum in underground or above ground tanks in excess of 1100 gallons?
(Please give what assurance they are done in a proper manner.)

YES NO N/A

6. Will the project/activity require a federal or state discharge elimination permit or modification of an existing permit? **A state discharge elimination permit will be required for storm water retention.**

YES NO N/A

This attachment was completed by:

Name: Alicia Shultz
Title: Community Developer – Environmental Services
Address: 38-40 State Street, Hampton Plaza
Albany, NY 12207
Telephone number: 518 474 0647
Date: 12/07/2016

ATTACHMENT 3

SSA PRELIMINARY REVIEW INFORMATION REQUIREMENTS

Where currently available, the information in this Attachment should be provided to the Environmental Protection Agency (see address below) along with the application/final statement; Attachment 2.A, Non-Housing Initial Screen Criteria or Attachment 2.B, Housing Initial Screen Criteria; and any other information which may be pertinent to a Sole Source Aquifer review. Where applicable, indicate the source of your information.

I. Project/Activity Location	Enclosed?	
	Yes	No
1. Provide the geographic location and total acreage of the project/activity site. Include a site map which identifies the site in relation to the surrounding area. [Examples of maps which can be used include: 1:24,000 or 1:25,000 U.S. Geological Survey quadrangle sheet, Hagstroms Street Map.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. If applicable, identify which groundwater sensitive areas (Special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.) the project/activity is located within or adjacent to. [This information may be obtained from the County or Regional planning board, the local health department, the State health department or the State environmental agency.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>

II. Nature of Project/Activity	Enclosed?	
	Yes	No
3. Provide a general narrative describing the project/activity including but not limited to: type of facility; type of activities to be conducted; number and type of units; number of residents, etc. Provide the general layout of the project/activity site and site-plan if available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

III. Public Water Supply	Enclosed?	
	Yes	No
4. Provide a description of plans to provide water supply.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. Provide the location of nearby existing or proposed public water supply wells or wellfields within one half mile radius (2640 feet) of the project/activity. Provide the name of the supplier(s) of those wells or wellfields. This information should be available from the local health department, State health department or the State environmental agency.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	-------------------------------------	--------------------------

IV. Wastewater and Sewage Disposal	Enclosed?	
	Yes	No
6. Provide a description of plans to handle wastewater and sewage disposal. If the project/activity is to be served by existing public sanitary sewers provide the name of the sewer district.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Provide a description of plans to handle storm water runoff.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

V. Use, Storage, Transport of Hazardous or Toxic Materials <i>(Applies only to non-housing projects/activities)</i>	Enclosed?	
	Yes	No
9. Identify any products listed in Attachment 4, Hazardous Constituents, of the Housing and Urban Development-Environmental Protection Agency Memorandum of Understanding which may be used, stored, transported, or released as a result of the project not related to construction None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Identify the number and capacity of underground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site. None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Identify the number and capacity of above ground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site. None.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

This form was completed by:

Name: Alicia Shultz
Title: Community Developer – Environmental Services
Address: 38-40 State Street, 408N
Hampton Plaza, Albany, NY 12207
Telephone number: 518 474 0647
Date: December 1, 2016

Owego New Garage - Attachment to Attachment 3

I Project Location

1. See Figure 1, project location. As shown in Figure 2, the project is about 3 acres in size including the new garage and associated parking as well as water retention basin on a 10.5 acre parcel.
2. The project site is located over a sole source aquifer: Clinton Street Ballpark. Consultation with NYSDEC did not identify another other protections.

II Nature of Project

3. The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the Department of Housing & Urban Development (HUD), is preparing an Environmental Assessment (EA) for the construction of a new 32,800 sf garage facility to house critical municipal operations for the Town of Owego (see attached figures). This facility will be built adjacent to the existing Owego Town Hall. During emergency responses the building will be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations and to house the sewer and water department, parks office and DPW office. Construction activities will include tree removal, clearing, grubbing, site preparation, soil borings, footings, roadway, parking, installation of a water well, and utilization of the Town's wastewater treatment plant or construction of an on-site septic and leachate field.

The purpose of the project is to move the Town of Owego municipal facilities out of the 100-year floodplain to ensure the continued operation of town operations during flood events. The Town Owego was particularly impacted by Hurricane Irene and Tropical Storm Lee. Currently, critical town facilities are located in the floodplain and are vulnerable during large storm events. Relocating the Town of Owego municipal facilities outside of the floodplain will allow for continuity of services. **The area where the proposed project will take place is located adjacent to the current Owego Town Hall at 2354 NYS Route 434, Apalachin, New York, 13732 (Lat.42.082329, Long. -76.226042).**

The proposed project will include consolidation of municipal operations into one campus, which will lead to cost savings as well. It is anticipated that this area will also be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations during storm events. The need for the project was identified in the Long Term Community Recovery Strategy and 2014 New York Rising Community Recover Tioga Plan.

Approximately 3 acres of land will be cleared of trees for the construction of a new town garage, septic system, supply well, parking and storm drainage basins (see attached Figure 3).

III. Public Water Supply

4. The adjacent Owego Town Hall obtains water from on-site water supply well. The water supplies for both the town hall and the new garage will be supplemented by the addition of a supply well. Two water supply wells will provide water supplies to both the town hall and the new garage.
5. Figure 4 shows the location of the current Owego Town Hall well and a residential supply well.

IV. Wastewater and Sewage Disposal

6. A new septic system with onsite leachate field will be construction in accordance with local and state requirements including permitting requirements.
7. Storm water runoff with directed to onsite storm water retention basins and allowed to infiltrate the ground system. NYSDEC permits will be obtained for the storm water system.
8. The currently location of retention basins are shown in Figure 2. The basins may be somewhat revised during finalization of site plans in response to NYSDEC permitting process.

V. Use, Storage Transport of Hazardous or Toxic Material

No hazardous or toxic materials are associated with the project.



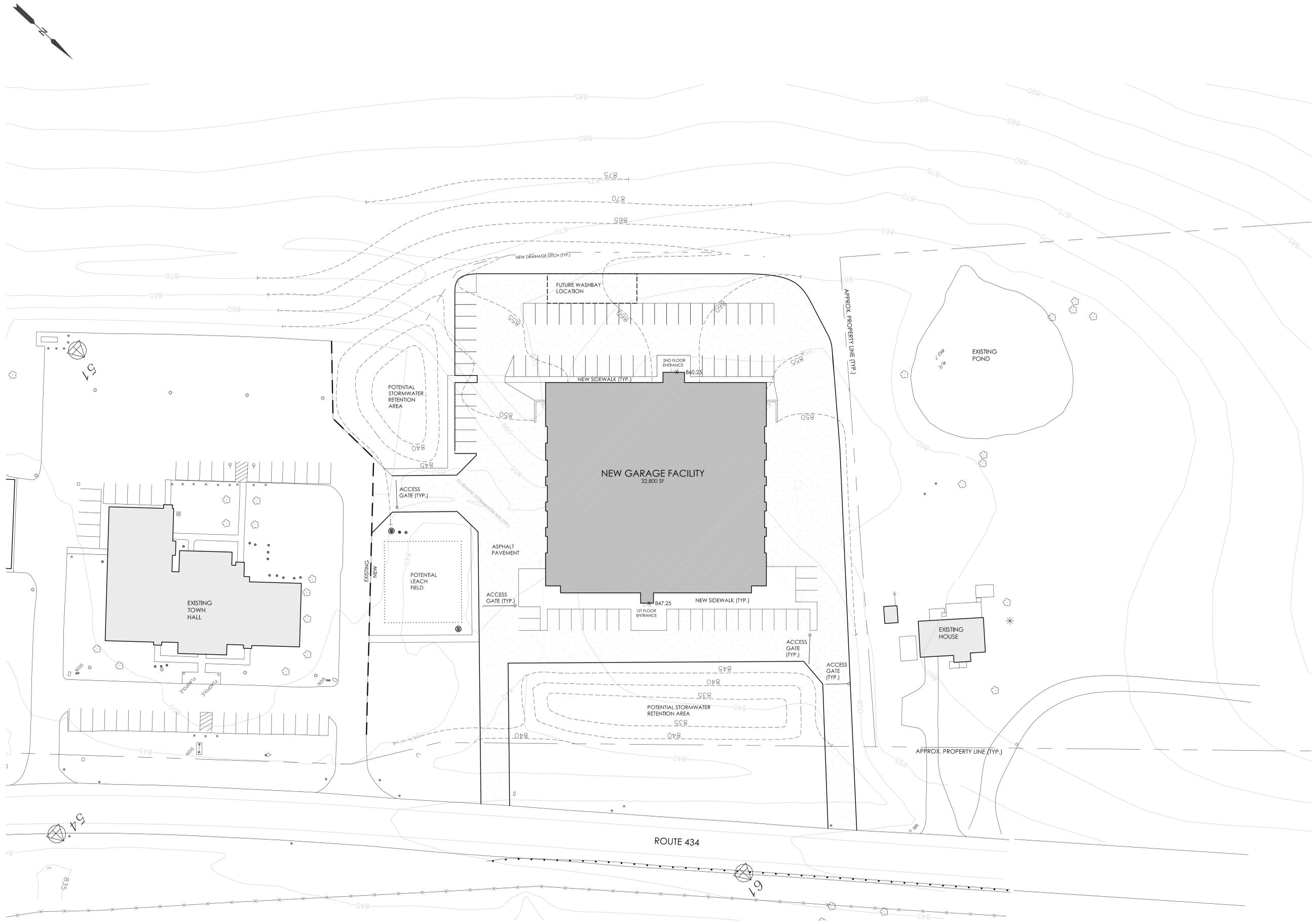
Town of Owego DPW, Parks and Utilities Relocation Project

Project Location

Project Site Map

Figure 1

Drawing Name: J:\PROJECTS\Town of Owego\Shared Municipal\Design\08_CAD\AutoCAD\Civil\C201_C200_NOV_2016_DEC.dwg Date last accessed: 11/17/2016 1:59 PM Date last plotted: 11/17/2016 2:54 PM Plotted By: Don Need



1
C201 **PROPOSED SITE PLAN**
SCALE: 1" = 30'

Figure 2

REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION

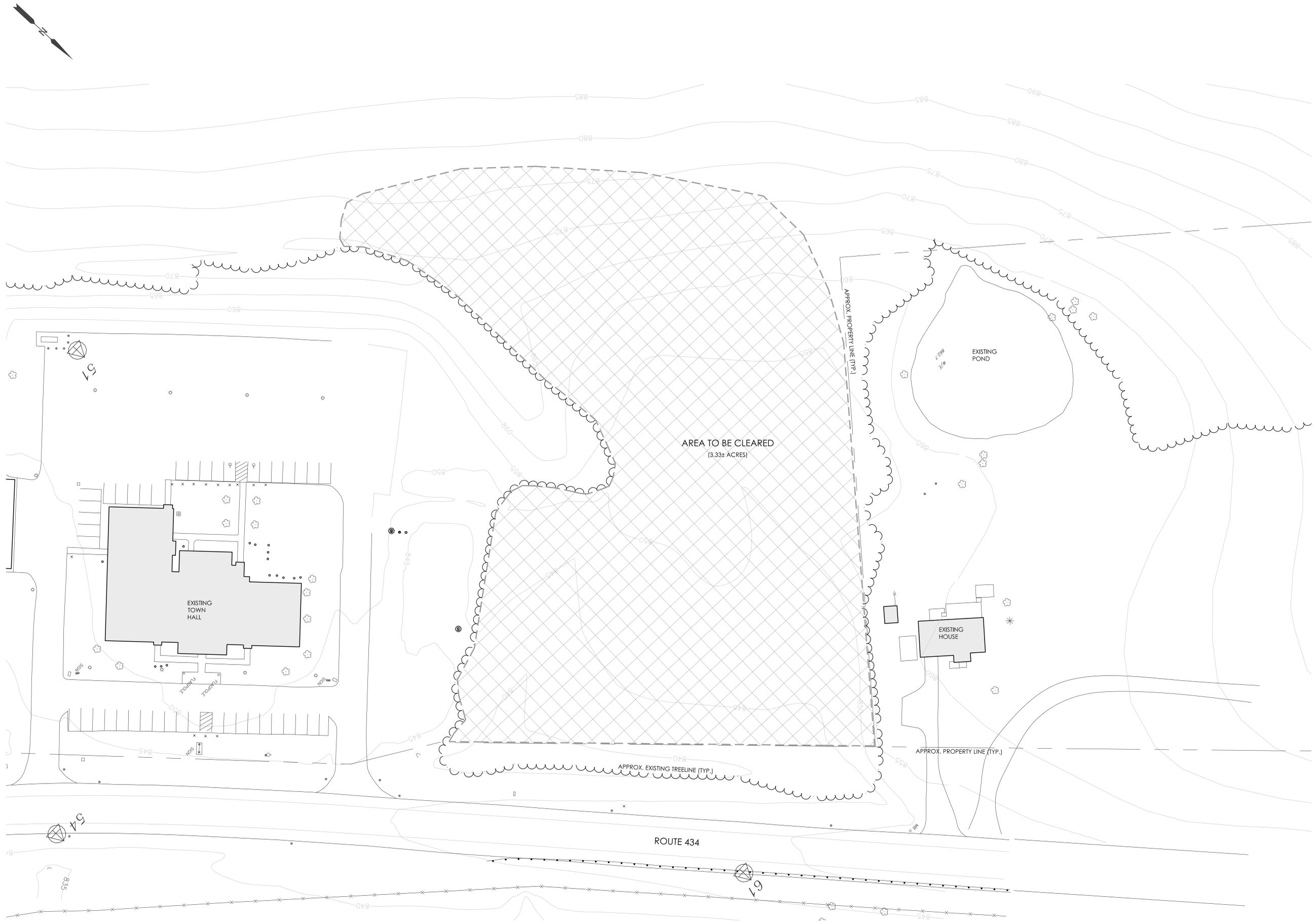
OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APULACIN, NEW YORK 13922

DATE	DRAWN	CHECKED
11/16/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED SITE PLAN		

PROJECT NUMBER	13688.00
SMF	C201
DRAWING NUMBER	

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Drawing Name: J:\PROJECTS\Town of Owego\Shared Municipal\Design\08_CAD\AutoCAD\Civil\C200_NOV_2016_DEC.dwg Date last accessed: 11/28/2016 5:19 PM Date last plotted: 11/29/2016 1:26 PM Plotted By: Don Need



1 PROPOSED TREE CLEARING PLAN
SCALE: 1" = 30'

Figure 3

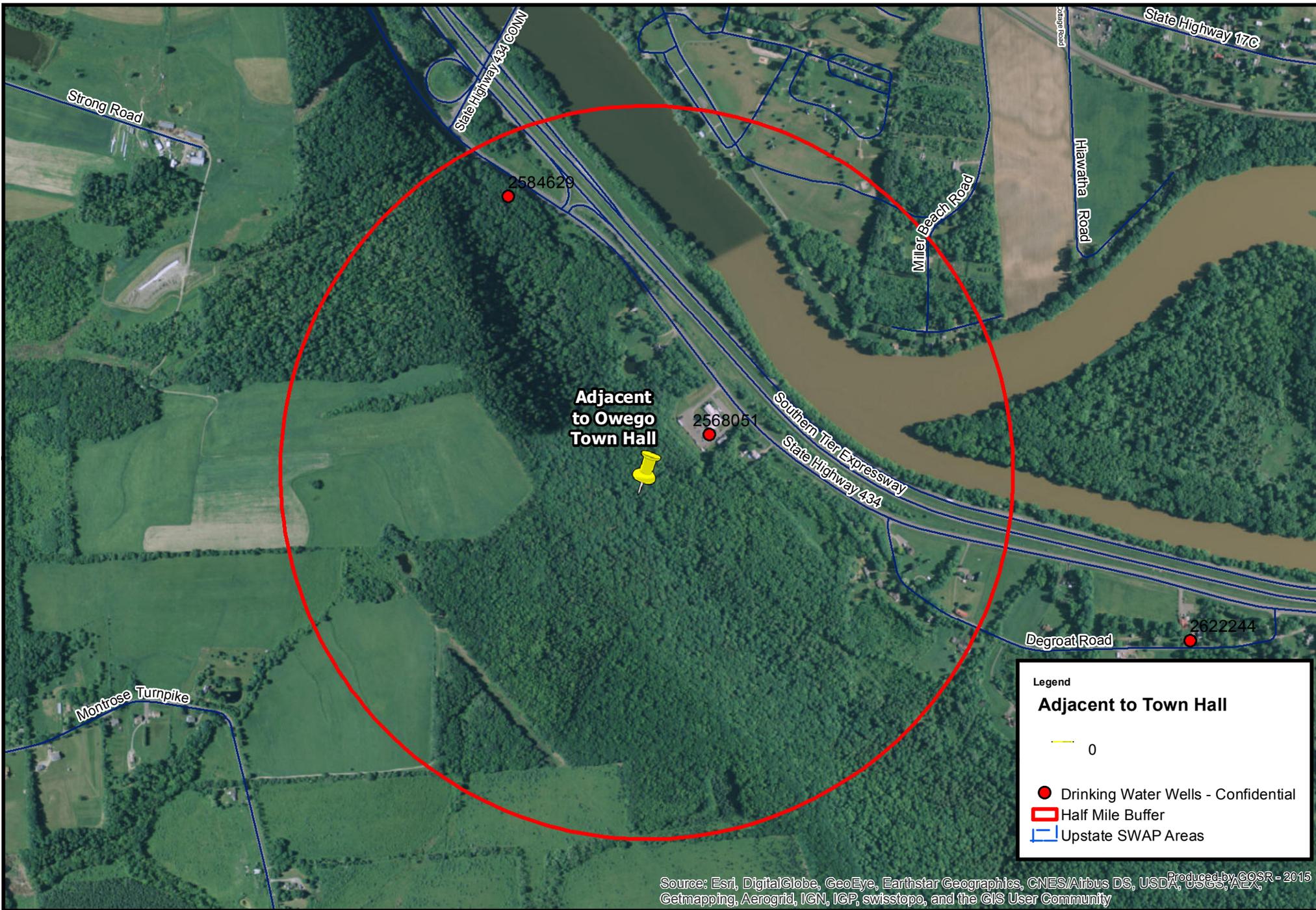
REVISIONS NO.	DATE	BY	CHKD	DESCRIPTION

OWEGO SHARED MUNICIPAL FACILITY PROJECT
TOWN OF OWEGO
2354 NY State Route 434
APULACIN, NEW YORK 13222

DATE	DRAWN	CHECKED
11/30/16	DMN	
SCALE 1" = 30'		
SHEET TITLE		
PROPOSED TREE CLEARING PLAN		

PROJECT NUMBER	13688.00
SMF	C200
DRAWING NUMBER	

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Legend

Adjacent to Town Hall

— 0

● Drinking Water Wells - Confidential

□ Half Mile Buffer

□ Upstate SWAP Areas

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Produced by GOSR - 2015

N

0 0.050.1 0.2 Miles

Figure 4

GOSR - Area adjacent to Owego Town Hall
 2354 NYS Route 434, Apalachin, New York, 13732
 (Lat.42.082329, Long. -76.226042)
 1/2 Mile Buffer and SWAP Analysis

Source: GOSR, New York State GIS Clearinghouse, NYS GIS Program Office, ESRI Corporation, HERE, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community. Draft Copy - For Internal Use only. Not to be used for any planning or policy analysis or decisions by others.

NY RISING
GOVERNOR'S OFFICE OF STORM RECOVERY
"We're not just going to build what was, we're going to build to a level that never was before."
 - Governor Cuomo

Date: 02/17/2016	Version: 1.0	Drawn By: DCG
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Region 2 Water



Serving New Jersey, New York, Puerto Rico, US Virgin Islands and 8 Tribal Nations

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中文: 简体版

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Wastewater Treatment

Watershed Protection

Water Bodies

No Discharge Areas

Sole Source Aquifers

Sole Source Aquifer designation is one tool to protect drinking water supplies in areas with few or no alternative sources to the ground water resource, and where if contamination occurred, using an alternative source would be extremely expensive. The designation protects an area's ground water resource by requiring EPA to review all proposed projects within the designated area that will receive federal financial assistance. All proposed projects receiving federal funds are subject to review to ensure they do not endanger the ground water source.

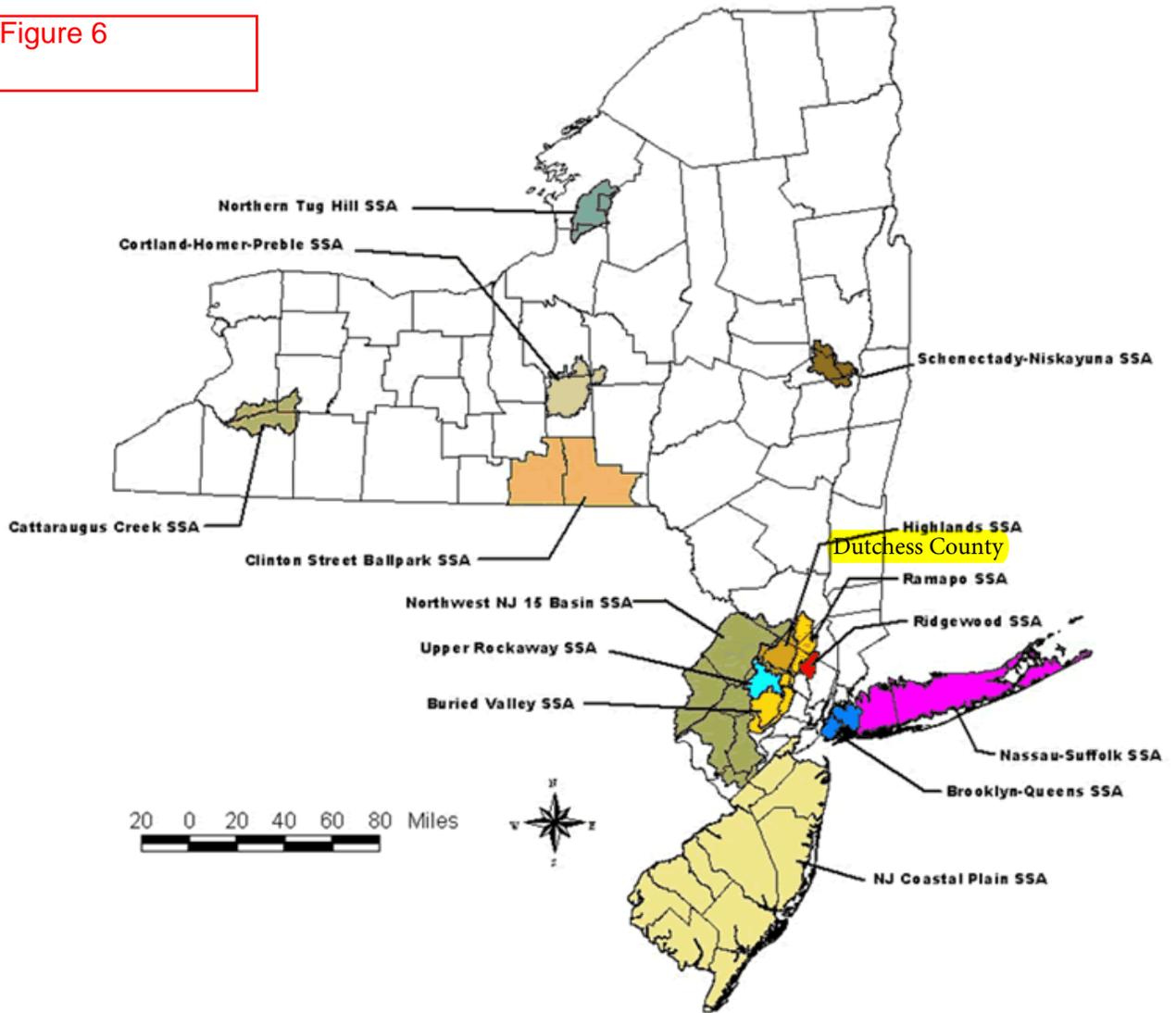
Related Information

- [Sole Source Aquifer Program](#)
- [Petitioner Guidance](#)
- [FAQs \[PDF 14 KB, 2 pp\]](#)
- [40 CFR 149](#)

EPA defines a sole or principal source aquifer as one which supplies at least fifty percent (50%) of the drinking water consumed in the area overlying the aquifer. These areas can have no alternative drinking water source(s) which could physically, legally, and economically supply all those who depend upon the aquifer for drinking water. For convenience, all designated sole or principal source aquifers are referred to as "sole source aquifers" (SSA).

If you are interested in petitioning the EPA to make a designation, please consult the [Sole Source Aquifer Program Petitioner's Guidance](#) or contact EPA for assistance.

Figure 6



DESIGNATED SOLE SOURCE AQUIFERS

State	Name	Federal Register	Date	GIS Map	Information
-------	------	------------------	------	---------	-------------

NJ	Buried Valley Aquifers, Central Basin, Essex and Morris Counties	45 FR 30537	05/08/80	Yes	Yes
NJ	Upper Rockaway River Basin	49 FR 2946	01/24/84	Yes	Yes
NJ	Ridgewood Area Aquifers	49 FR 2943	01/24/84	Yes	Yes
NJ/NY	Highlands Aquifer System Passaic, Morris & Essex Co's NJ; Orange Co. NY	52 FR 37213	10/05/87	Yes	Yes
NJ/DE/PA	New Jersey Coastal Plain Aquifer System	53 FR 23791	06/24/88	Yes	Yes
NJ/NY	New Jersey Fifteen Basin Aquifers	53 FR 23685	06/23/88	Yes	Yes
NJ/NY	Ramapo River Basin Aquifer Systems	57 FR 39201	08/28/92	Yes	Yes
NY	Nassau/Suffolk Co., Long Island	43 FR 26611	06/21/78	Yes	Yes
NY	Kings/Queens Counties	49 FR 2950	01/24/84	Yes	Yes
NY	Schenectady/Niskayuna	50 FR 2022	01/14/85	Yes	Yes
NY	Clinton Street-Ballpark Valley Aquifer System, Broome and Tioga Co's	50 FR 2025	01/14/85	Yes	Yes
NY	Cattaraugus Creek Basin Aquifer, WY & Allegany Cos.	52 FR 36100	09/25/87	Yes	Yes
NY	Cortland-Homer-Preble Aquifer System	53 FR 22045	06/13/88	Yes	Yes
NY	Northern Tug Hill Glacial Aquifer	71 FR 64524	11/02/06	Yes	Yes

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<http://www.epa.gov/region02/water/aquifer/>
[Print As-Is](#)

Last updated on ??/?29?/?2014

NYS Resources Map

Town of Owego Tioga County

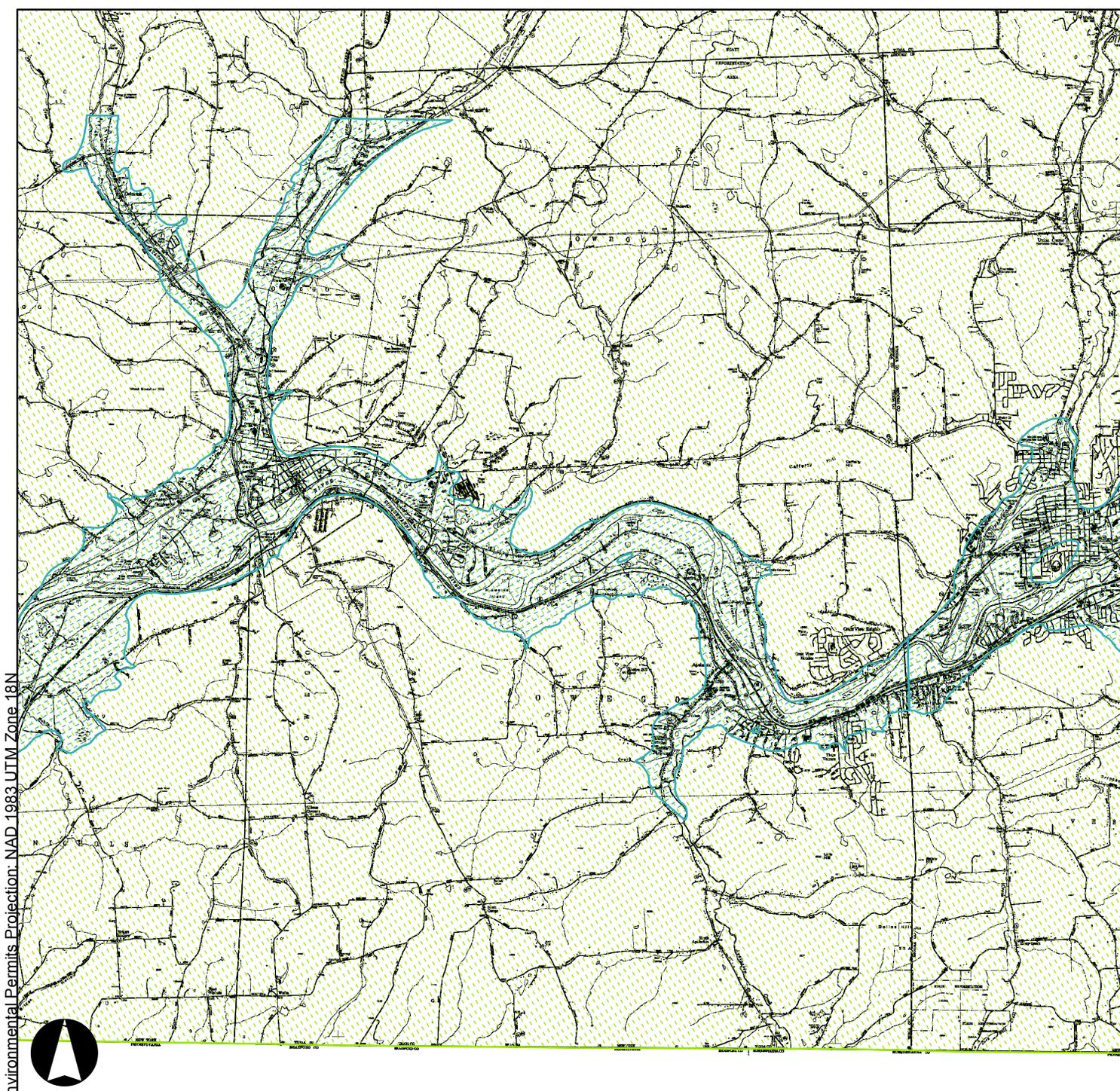
Prepared by MHO Date: 12/1/16

0 0.5 1 2
Miles

1 inch equals 2 miles

Figure 7

-  EPA Sole Source Aquifers
-  Aquifers, Primary



Division of Environmental Permits Projection: NAD 1983 UTM Zone 18N



Department of
Environmental
Conservation

Disclaimer: This map was prepared by the NYSDEC using the most current data available. It is deemed accurate but is not guaranteed. NYSDEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data. This map may contain information that is considered sensitive and therefore the distribution of this map is strictly prohibited.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

DEC 29 2016

Ms. Alicia Shultz
Community Developer – Environmental Services
Governor’s Office of Storm Recovery
New York State Homes & Community Renewal
38-40 State Street, 408N
Hampton Plaza
Albany, NY 12207

Dear Ms. Shultz:

This is in response to your letter dated December 7, 2016 to the Environmental Protection Agency (EPA) requesting a Sole Source Aquifer review of the proposed “Owego New Garage” project to be located in the Town of Owego, Tioga County, New York. The project is to receive funding from the U.S. Department of Housing and Urban Development’s Community Development Block Grant – Disaster Recovery program (CDBG-DR). The project site is located in the Clinton Street Ballpark Aquifer System, designated by the EPA as a Sole Source Aquifer on January 14, 1985 (citation 50 CFR 2025). Therefore, our review has been conducted in accordance with Section 1424(e) of the Safe Drinking Water Act (SDWA).

The stated purpose of this project is to relocate the town’s municipal facilities out of the 100-year floodplain to ensure the continued operation of town operations during flood events. The proposed project involves the construction of a new 32,800-square-foot garage, associated parking, a septic system, a drinking water supply well, and a stormwater drainage basin. The new facility would house critical municipal operations for the town – the sewer and water departments, parks office, and Department of Public Works office. The information provided states that during emergency operations, the building will be used as a staging area for utility companies, law enforcement, fire and rescue personnel, National Guard, and other municipal operations. The new facility will be built adjacent to the existing Owego Town Hall. Based on the information provided, we understand that the foundation of the new garage will consist of concrete spread footings, 5 feet below grade and surrounded by a 5-foot high wall of poured concrete. Structural fill (mostly gravel) will be added between the walls, compacted with a vibratory compactor, and then overlain with a vapor-barrier sheet before the first-floor slab of concrete is poured. The concrete wall will be extended 5 feet above grade and a pre-fabricated metal structure will be set down on top of that wall.

The proposed new well will augment the water supply provided by the existing well (which provides water to the town hall). A new septic system, with an on-site leach field, will also be installed in accordance with local and state requirements and specifications. The new well and septic system will essentially be similar in design and dimension to the existing well and septic system. It is our understanding that the well will be about 3 inches in diameter and a couple of distribution lines will be copper. We note that the septic system will be sized for approximately 600 gallons/day.

The information provided indicates that stormwater runoff will drain by overland flow to the proposed retention basin and then recharge groundwater; the actual location of the basin has not yet been determined. We note that maintenance of the basin (for example, removal of accumulated silt) will be carried out by the town, as detailed in a Stormwater Pollution Prevention Plan not yet finalized. Heat and hot water will be supplied by electrical power, together with an above-ground propane tank. No other petroleum fuel storage tanks are anticipated on site.

It is our understanding that in order to make room for this project, approximately 3 acres of land will be cleared of trees. Since the project, as currently designed, will be disturbing a sizable amount of wooded land, we are concerned about the environmental impacts of doing so. Wooded areas provide water quality benefits, flood storage benefits, and carbon sequestration benefits; their loss should be considered in the environmental analysis. Potential impacts to species and/or their habitat should also be considered. With respect to climate change, forested areas provide carbon sequestration benefits by serving as a carbon sink for carbon dioxide (CO₂) emissions. Given the environmental impacts, we encourage a redesigning of the project to eliminate or minimize disturbance to the wooded area. If this is not possible, we recommend the project consultant calculate the value of the carbon sink lost as a result of the proposed development and replace that sink elsewhere (in the form of replanting lost trees and vegetation). Please see https://ceq.doe.gov/current_developments/GHG-accounting-tools.html for further information on estimating forest vegetation and shrub and grassland vegetation biomass carbon stocks.

Based on the information provided, the project satisfies the requirements of Section 1424(e) of the SDWA. Please be advised that meeting the requirements of 1424(e) does not preclude the need to meet National Environmental Policy Act (NEPA) requirements to address direct, indirect, and cumulative impacts. This review does not constitute a review under Section 309 of the Clean Air Act; EPA therefore reserves the right to review additional environmental documents on this project.

EPA offers the following for your consideration to reduce environmental impacts and to create a more sustainable project.

Clean Diesel:

Implement diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment used for transportation, soil movement, or other construction activities, including:

- Strategies and technologies that reduce unnecessary idling, including auxiliary power units, the use of electric equipment, and strict enforcement of idling limits; and
- Use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment.

For more information on diesel emission controls in construction projects, please see:
<http://www.northeastdiesel.org/pdf/NEDC-Construction-Contract-Spec.pdf>

Stormwater:

We emphasize the importance of Low Impact Development (LID) principles such as minimizing effective imperviousness to create site drainage, and the planting of native and non-invasive vegetation on the project site for stormwater management purposes. Other LID practices can include bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements. For further information, please see the following website:

<http://water.epa.gov/polwaste/green/>

Encourage cost-efficient, environmentally-friendly landscaping:

There are many benefits to making greener landscaping choices. For additional information, please see the following website:

<http://www2.epa.gov/greenerproducts/identifying-greener-landscaping-choices>

Energy-Efficiency:

Energy-efficient technologies should be incorporated into all aspects of the project. Please see the following website: <http://www.energystar.gov>

Water conservation and efficiency:

Promote water conservation and efficiency through the use of water efficient products and practices in the facility. We recommend considering the use of products with the WaterSense label where appropriate. Please refer to the WaterSense website for tips on water efficiency, a WaterSense labeled product search tool, a list of WaterSense Partners, and access to the Water Budget Tool at: <http://www.epa.gov/watersense/>

In addition to using WaterSense labeled products and certified professionals, there are many water conservation strategies and best management practices that can be used in new construction. Here are some useful links to water conservation information:

http://www.wbdg.org/resources/water_conservation.php

<http://www.allianceforwaterefficiency.org/>

<http://www.wateruseitwisely.com/100-ways-to-conserve/index.php>

If you have any questions concerning this matter or would like additional information, please feel free to contact Rajini Ramakrishnan of my staff at (212) 637-3731.

Sincerely yours,



jr Grace Musumeci, Chief
Environmental Review Section

bcc: S. Gould, CWD-DWMIB-DWGWPS
R. Ramakrishnan, CASD-SMPB-ERS
R. Kieber, CASD-SMPB-ERS, Disaster Recovery Coordinator (electronically)

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OwegoNewGarage.HUD.ClintonBallpark.docx

Save To: G:\user\share\deppdiv\SPM\ERS\ERSFINAL \Sole Source Aquifer\New York\ Clinton
Street- Ballpark\ OwegoNewGarage.HUD.ClintonBallpark.pdf

CASD-SMPB-ERS:RAMAKRISHNAN:12/15/16:x3731

Appendix H – Wetlands



Path: C:\projects\Owego Garage Cat Ex A - 103P-359237\GIS\Owego Garage - Freshwater Wetlands.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Project Location
- NYS Freshwater Wetlands
- NYS Freshwater Wetlands Buffer

NWI Wetlands

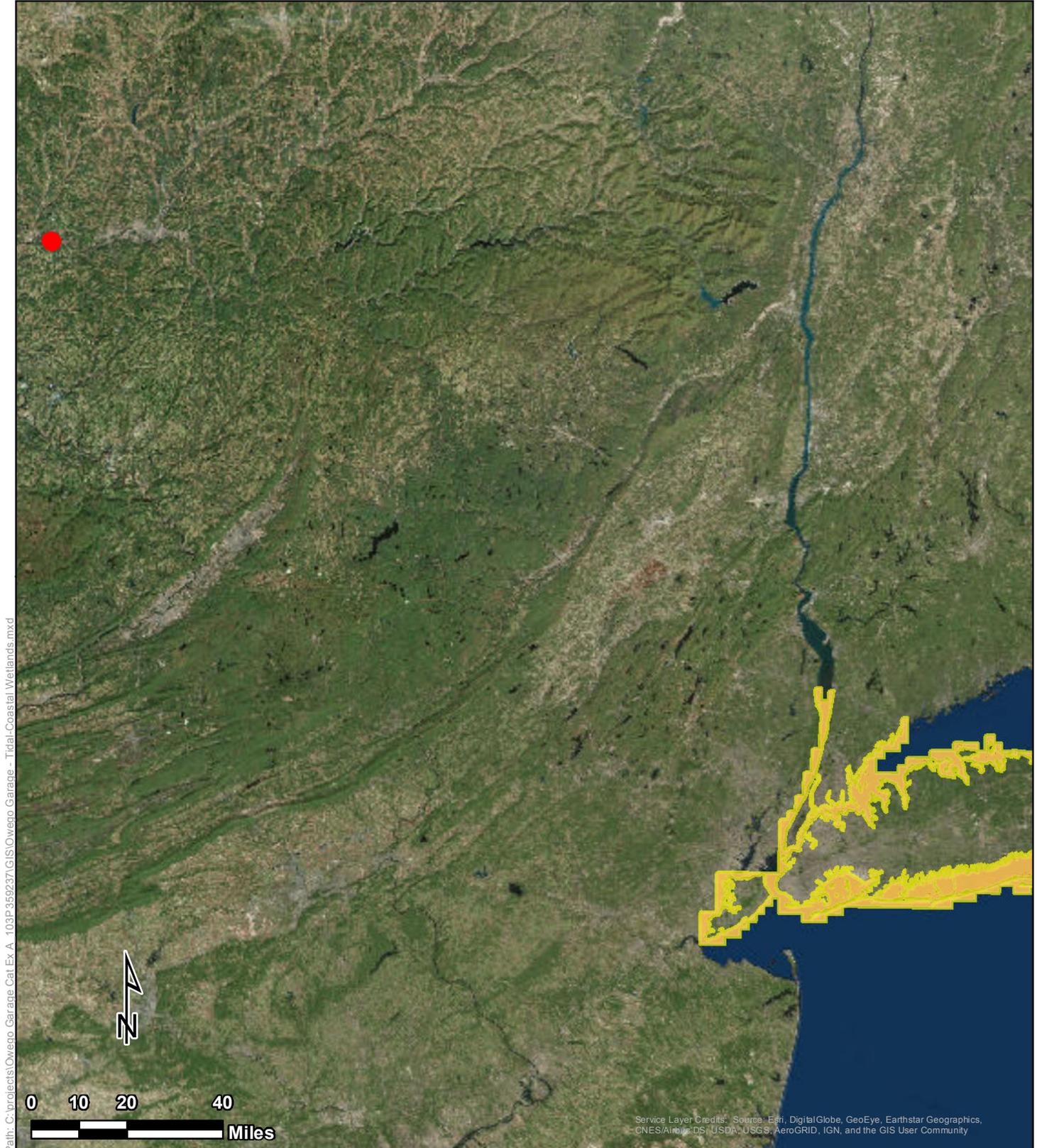
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine

Freshwater Wetlands

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York



Tetra Tech, Inc



Tidal-Coastal Wetlands

Owego DPW, Parks and Utilities Office Relocation
 Village of Owego, Town of Owego
 Tioga County, New York

- Legend**
- Project Location
 - Tidal - Coastal Wetlands
 - Tidal - Coastal Wetlands 300ft Buffer



December 7, 2015

Ms. Nina Peek, AICP
Technical Director
AKRF, Inc.
34 South Broadway, Suite 401
White Plains, NY 10601

**Re: Wetland Screening & Delineation
Proposed Relocation of Town of Owego Municipal Building
2354 New York State Route 434
Apalachin, NY 13732**

Dear Ms. Peek:

In accordance with our Scope of Services, Shumaker Consulting Engineering & Land Surveying, D.P.C. (SCE) performed a wetland screening of the property located at 2354 State Route 434, Apalachin, New York on Friday, November 20, 2015. The screening was performed on behalf of AKRF, Inc and the Town of Owego. The intent of the visit was to identify and delineate the boundaries of any unmapped wetlands on the property. The National Wetland Inventory (NWI) and New York State Department of Environmental Conservation (NYSDEC) wetland maps do not depict any wetlands on the parcel.

Prior to the field survey effort, a number of sources were consulted to obtain background information. These sources included: the NYSDEC Environmental Resource Mapper (ERM), the NWI Map published by the United States Fish and Wildlife Service (USFWS), the Tioga County Soil Survey Map, and aerial photography.

The roughly square site is bound by a private residence to the northwest, State Route 434 to the northeast, the Town of Owego Town Hall and state police barracks to the southeast, and undeveloped forest to the southwest.

The county soil survey shows that the Site contains soils that have been classified as Braceville gravelly silt loam (Bg), Unadilla silt loam (Uns), and Volusia channery silt loam (Vcs). Uns is listed as nonhydryc, while Bg and Vcs are listed as predominantly nonhydryc. The mapped soils are shown on Figure 1.

No wetlands or streams were identified during the field screening effort. The area included in the screening is depicted on Figure 1.

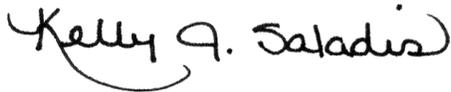
The approximately 4-acre site is gently sloping to the northeast. The current land use on site is successional hardwood forest. Dominant vegetation includes white pine (*Pinus strobus*), red maple (*Acer rubrum*), ash (*Fraxinus* sp.), quaking aspen (*Populus tremuloides*), Morrow's honeysuckle (*Lonicera morrowii*), summer grape (*Vitis aestivalis*), wrinkle-leaved goldenrod (*Solidago rugosa*), garlic mustard (*Alliaria petiolata*), and black raspberry (*Rubus occidentalis*). Soils were observed to be gravelly and lacking redoximorphic features, indicating the absence of hydric soil indicators. No indicators of hydrology were observed. A formal test site was not advanced since conditions clearly exhibited upland characteristics.

Photographs of the overall project area are attached. The photograph locations are depicted on Figure 1.

If you have any questions or require additional information please do not hesitate to contact me. Thank you for the opportunity to provide support on this project.

Very truly yours,

**SHUMAKER CONSULTING ENGINEERING
& LAND SURVEYING, D.P.C.**



Kelly J. Saladis
Environmental Scientist IV

Enclosures



Legend	Photograph Location
Site Boundary	NWI Wetlands
Soil Map Unit	NYSDEC Wetlands

**FIGURE 1
ENVIRONMENTAL OVERVIEW MAP**

Town of Owego Municipal Building Relocation
2354 State Route 434, Apalachin
Tioga County, NY 13732

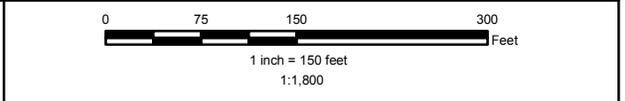




Photo No. 001 Photo Date: 20 November 2015

Description: Site overview, looking southwest.

See Photo Location on Figure 1



Photo No. 002 Photo Date: 20 November 2015

Description: Site overview, looking southeast.

See Photo Location on Figure 1

Wetland Delineation
Town of Owego Municipal Building Relocation
2354 State Route 434, Apalachin
Tioga County, New York



Photo No. 003 Photo Date: 20 November 2015

Description: Site overview, looking northeast.

See Photo Location on Figure 1



Photo No. 004 Photo Date: 20 November 2015

Description: Site overview, looking northeast.

See Photo Location on Figure 1

Wetland Delineation
Town of Owego Municipal Building Relocation
2354 State Route 434, Apalachin
Tioga County, New York

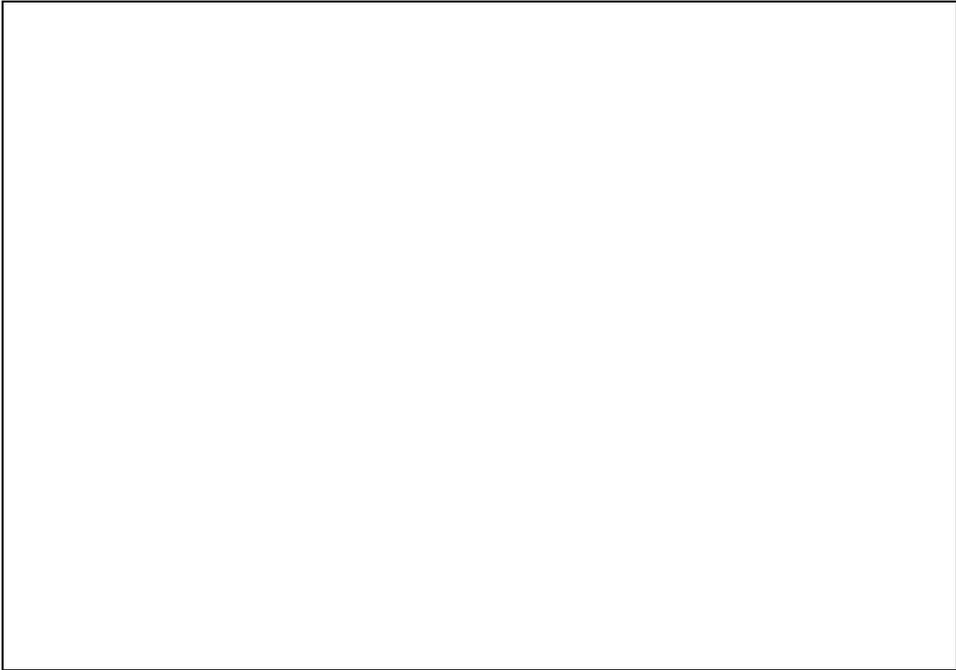


Photo No. 005 Photo Date: 20 November 2015

Photo No. _____ Photo Date: _____

Description: Site overview, looking southwest.

Description: _____

See Photo Location on Figure 1

Wetland Delineation
Town of Owego Municipal Building Relocation
2354 State Route 434, Apalachin
Tioga County, New York