



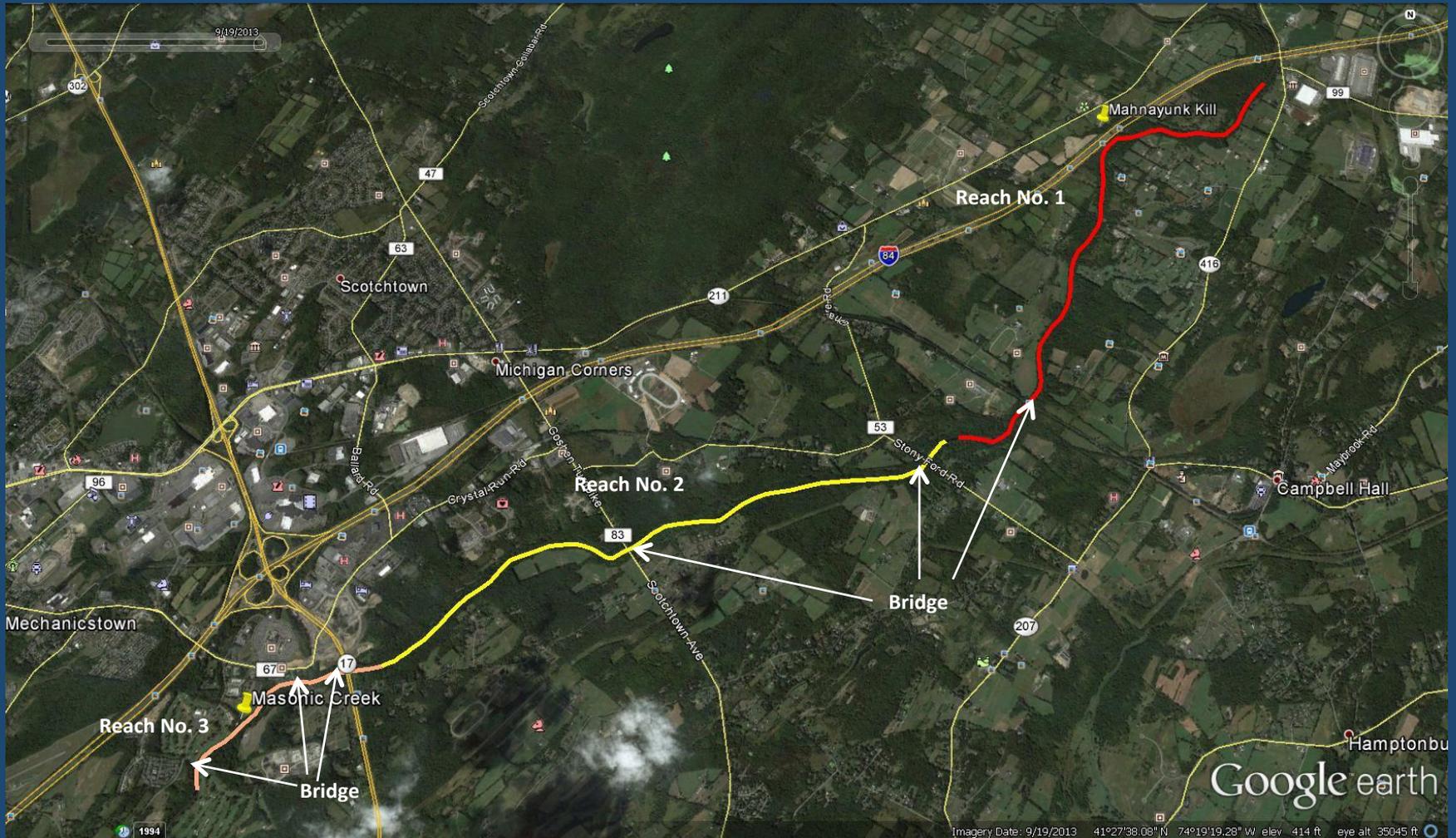
NYRCR

Town of Wallkill

Hydraulic Modeling Baseline

August 26, 2014

Walkkill River - Study Area



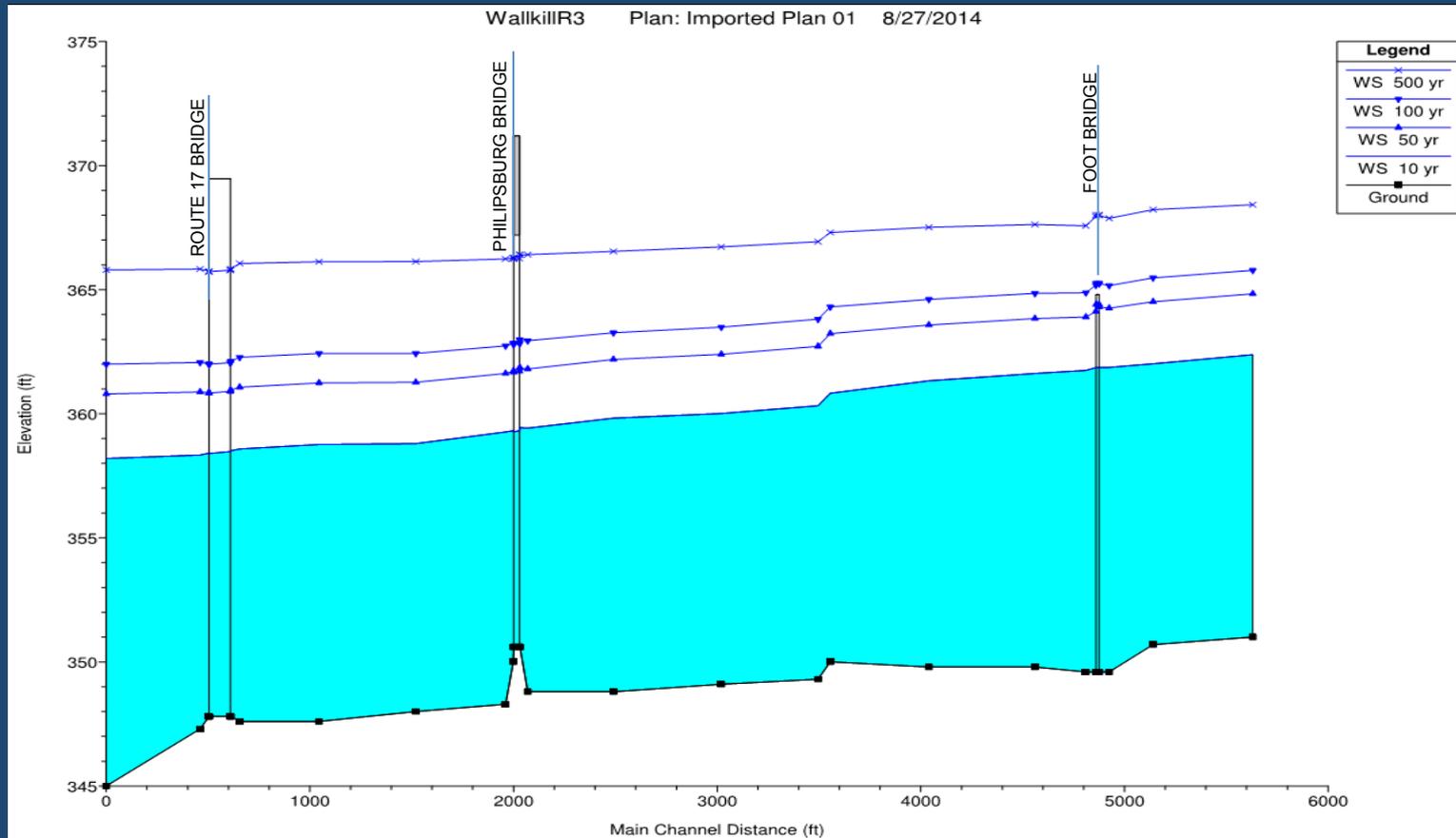
HEC-RAS Model

- Developed by U.S. Army Corps of Engineers
 - Simulate the water flow through a drainage area
- Predict the Water Surface Elevation (WSE) and extents of flooding for a given storm event
 - E.g., 100-year or 1% annual-chance event
- Assess the effectiveness of flood mitigation alternatives
 - Evaluate and compare potential benefits in terms of reduced flooding WSE and extents
- Received previously prepared Hydraulic Models
 - Currently updating and checking accuracy

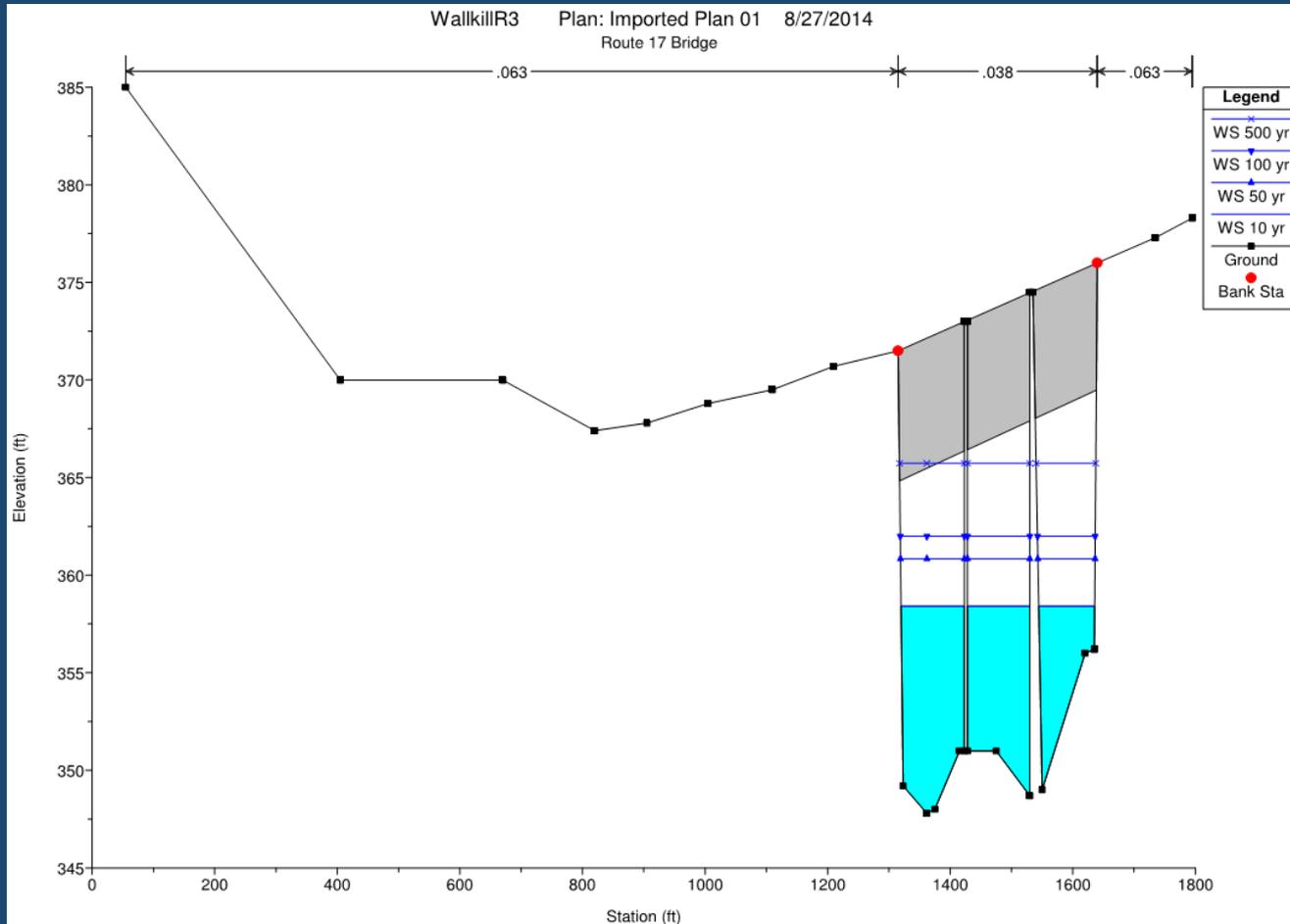
Walkill Town Study Area– Reach No. 3



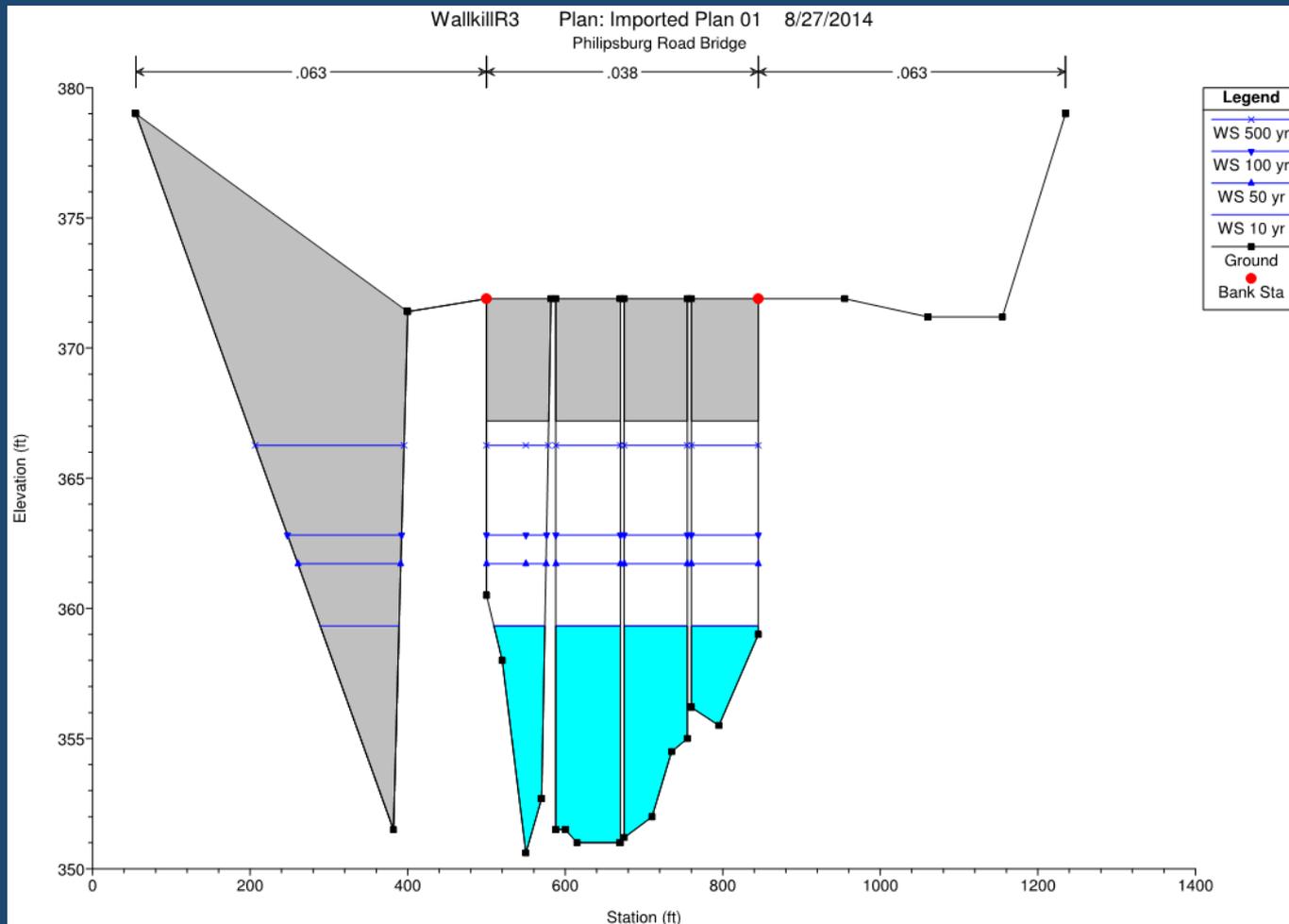
Walkkill Town (Water Surface Profile)



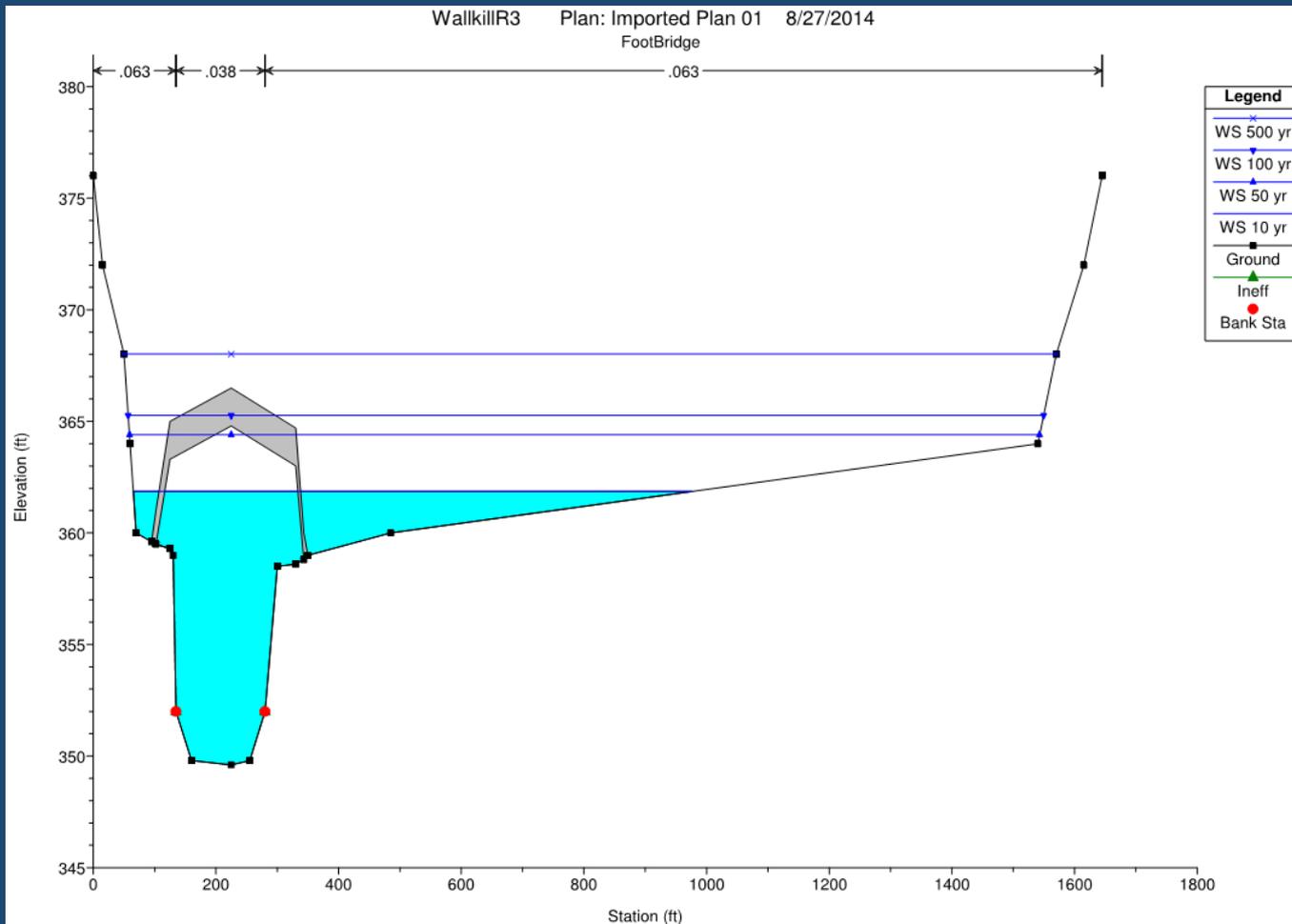
Walkkill River – Route 17 (Cross Section)



Walkkill River – Philipsburg Road (Cross Section)



Walkill River- Footbridge (Cross Section)



Thank You for Your Attention

Questions?