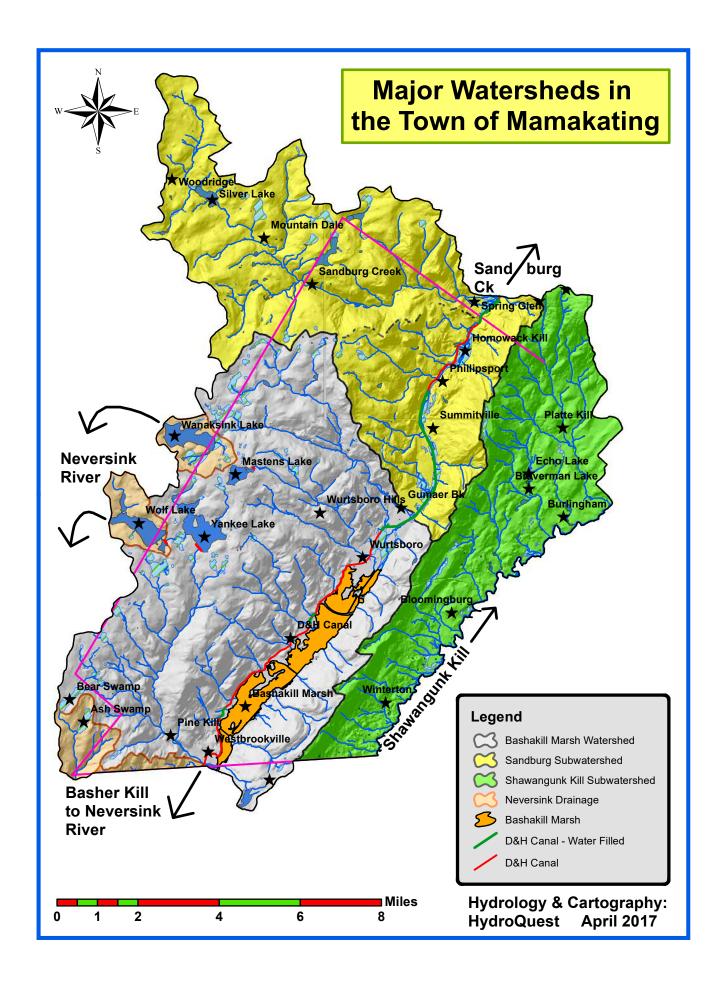
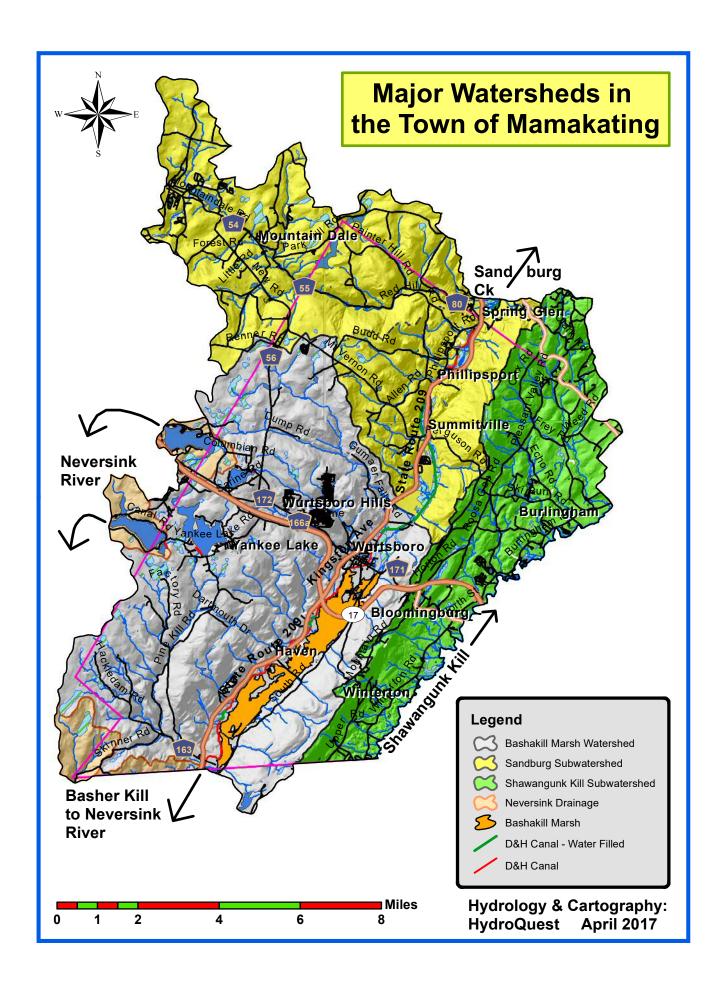
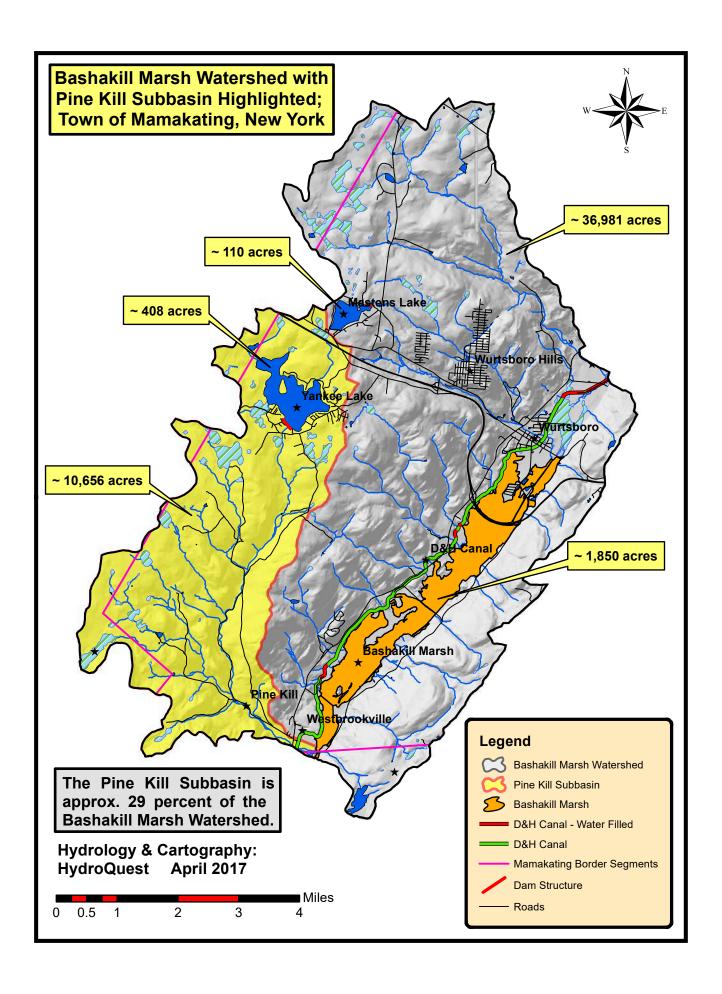
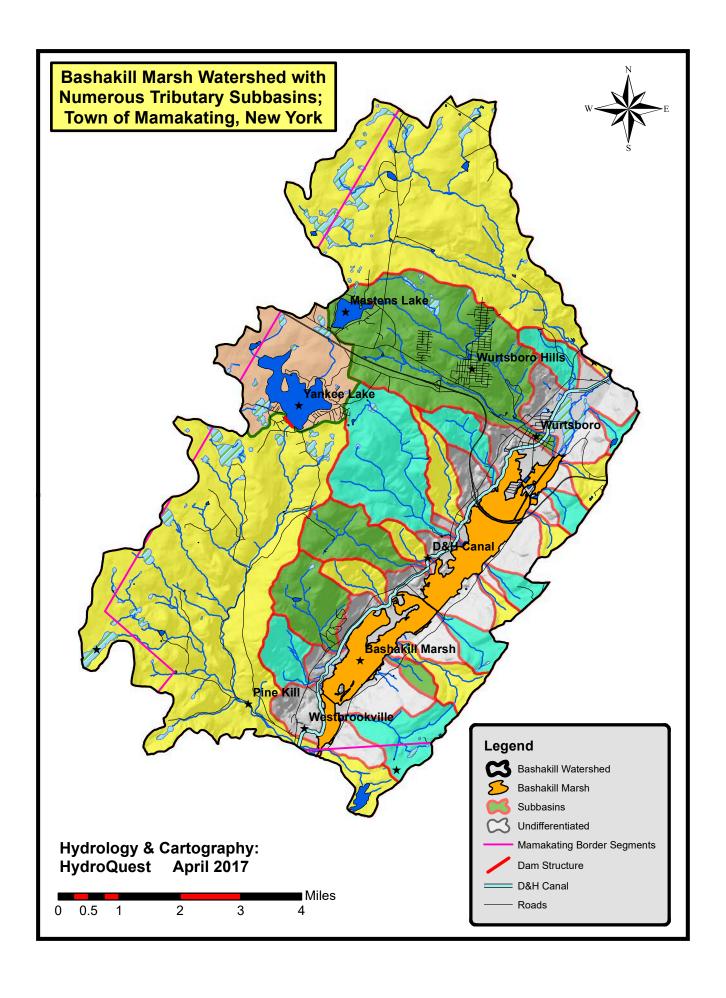


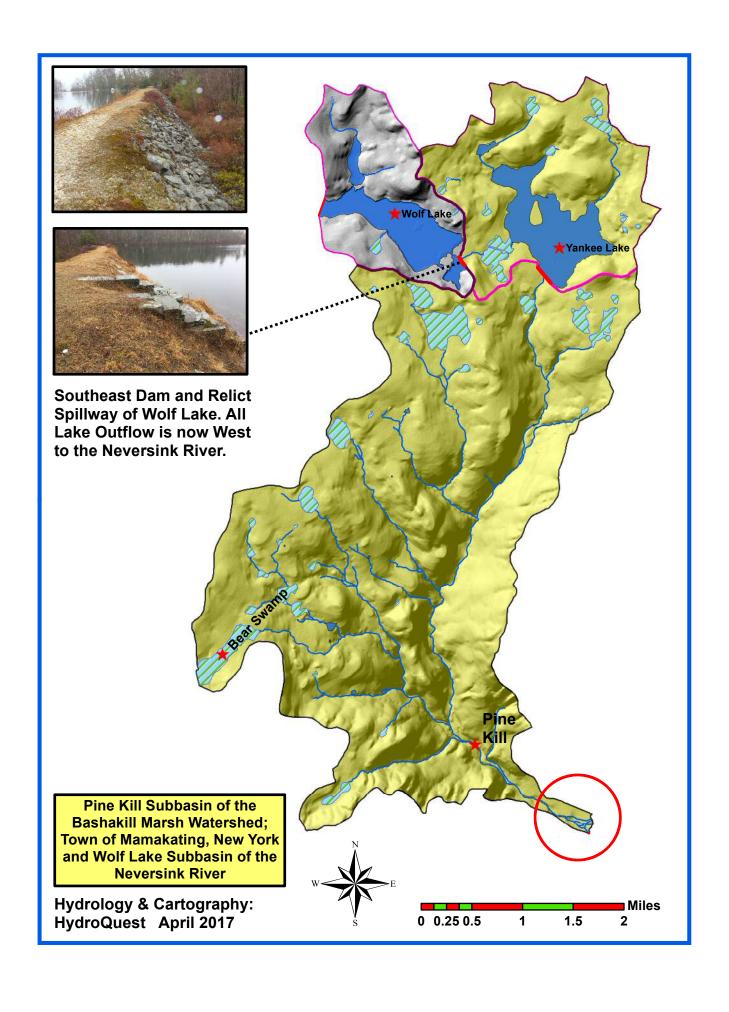
Note: In places, NYS and Federal wetlands overlap. In other locations, wetland boundaries vary. Wetlands, including the Bashakill Marsh, that are portrayed on other maps in this project were mapped using high resolution color infrared imagery (CIR) and were not differentiated based on size. While this new CIR mapping provides higher quality wetland and stream mapping throughout the Town, development requires site-specific wetland delineation.











Diversion of the Pine Kill

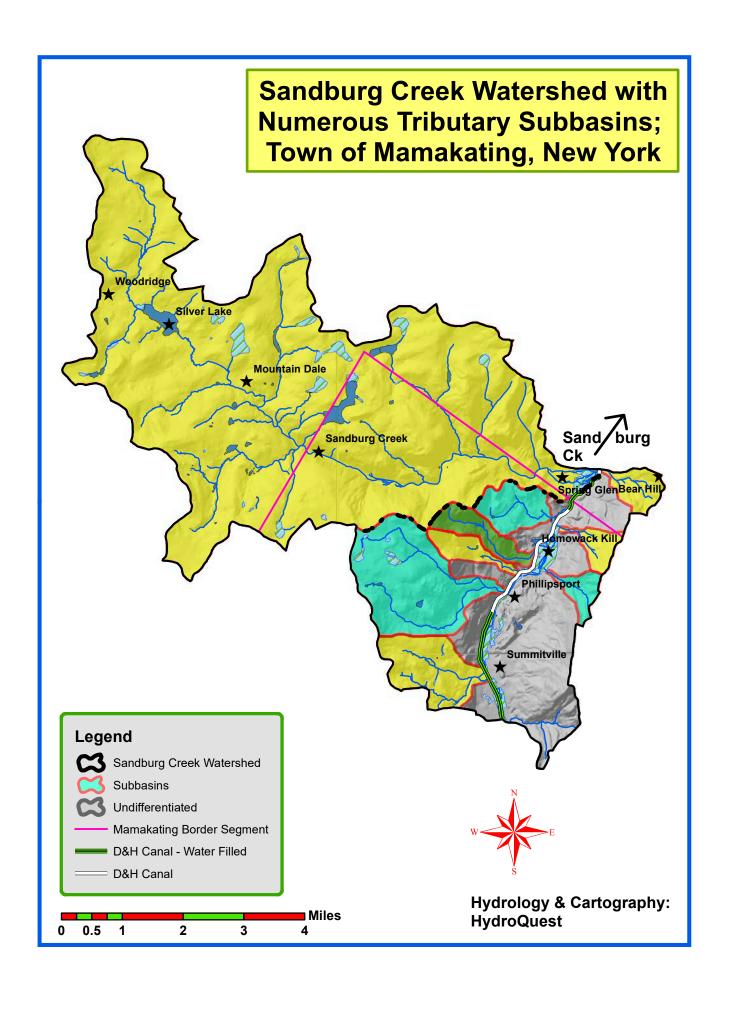


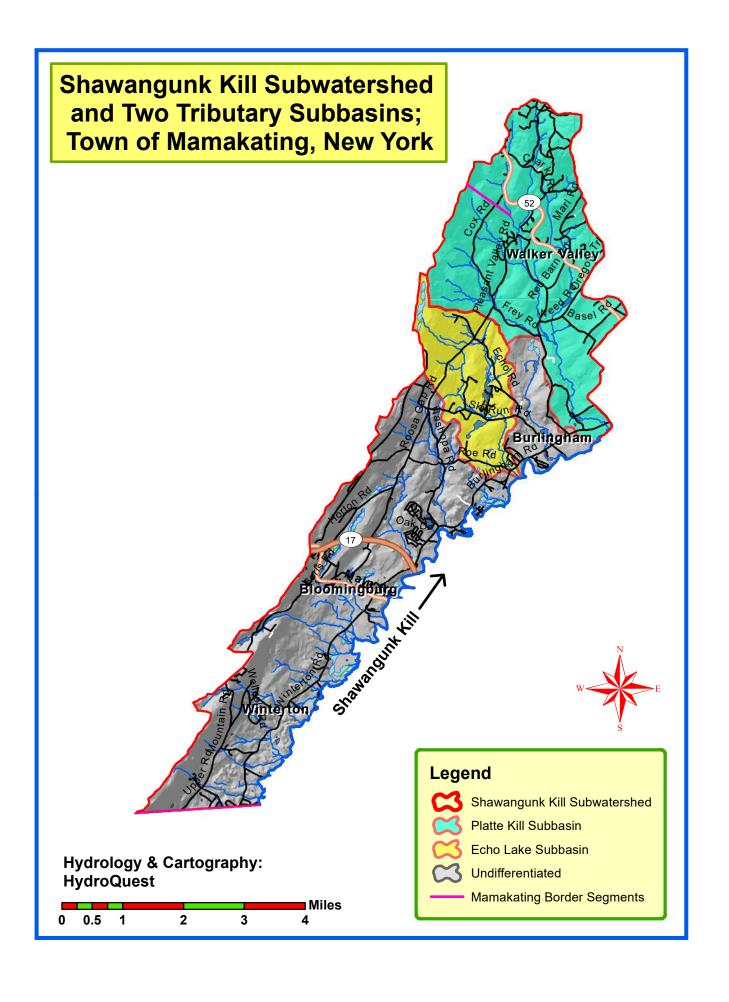


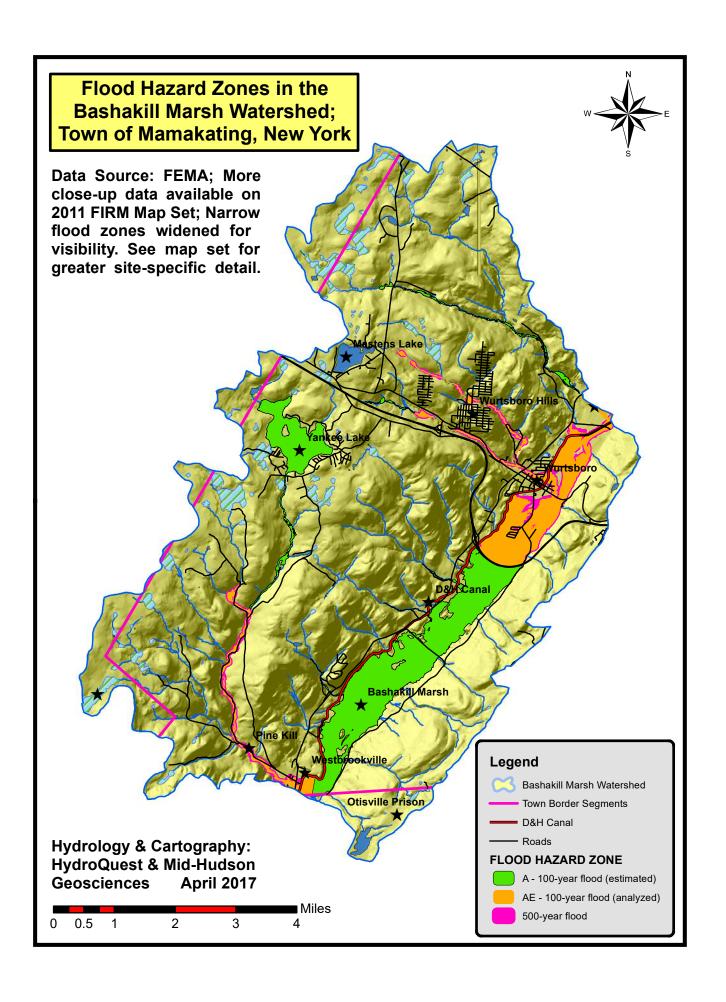
Location A. Channel fill material bermed up against backyard on stream right. Looking upstream.

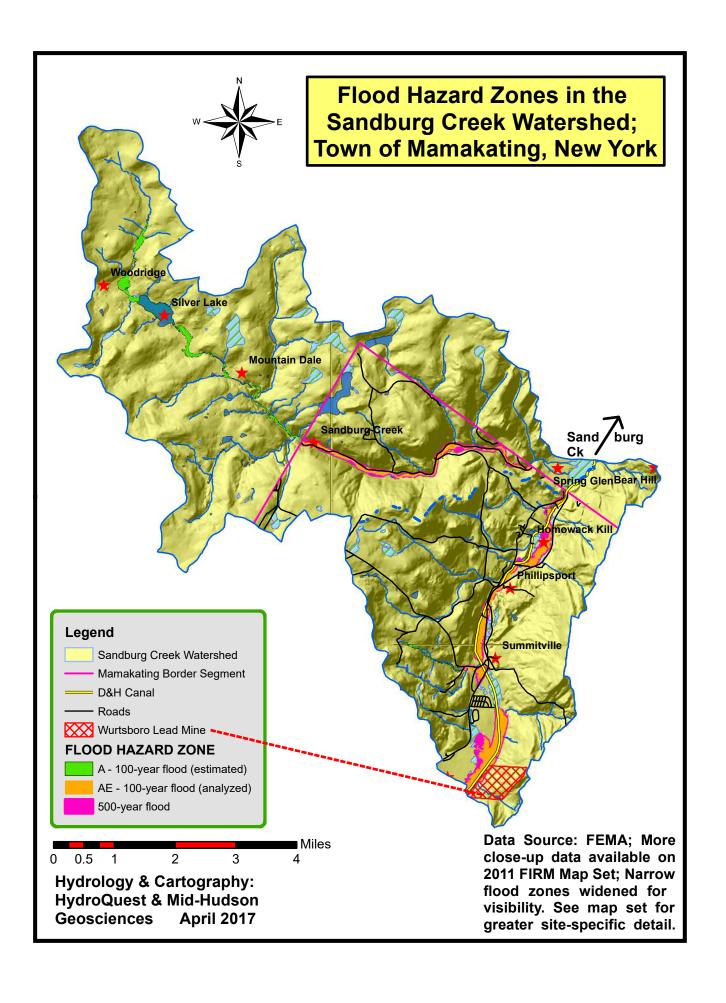


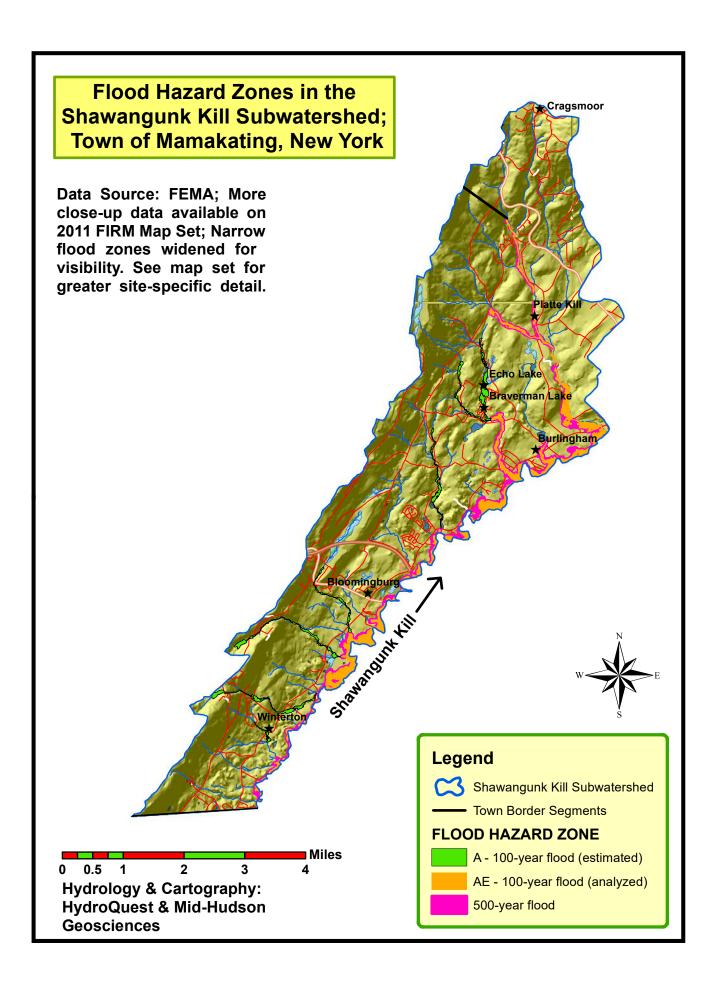
Location B. Looking downstream at new diversion point. Flow left of oval is now shunted into the Bashakill Marsh versus southwest of wetland in former channel.

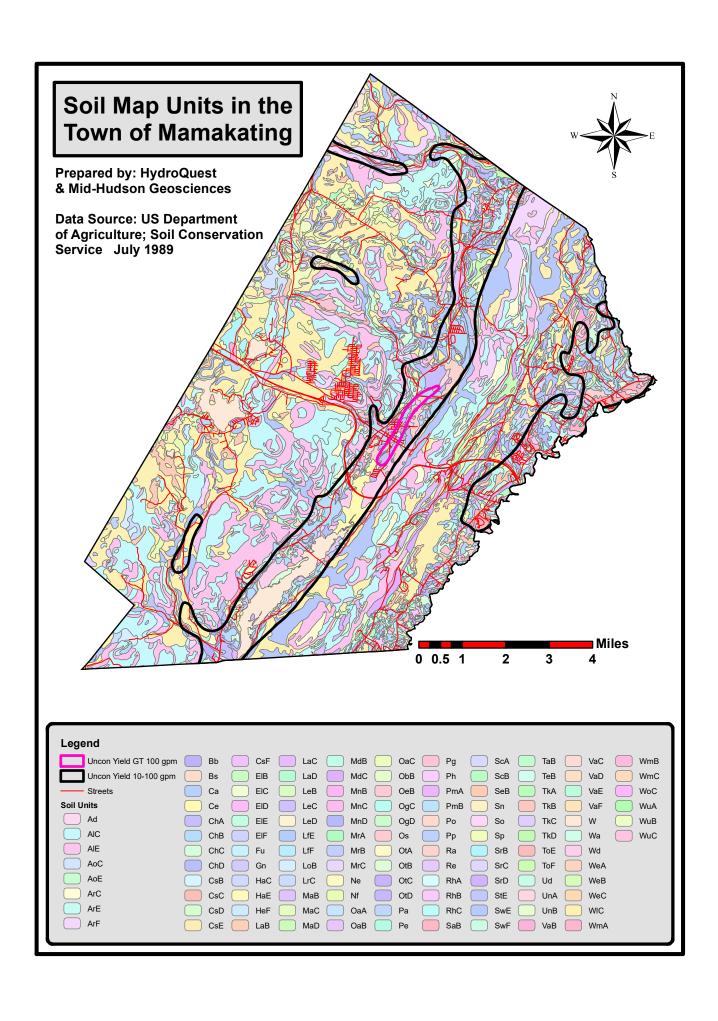


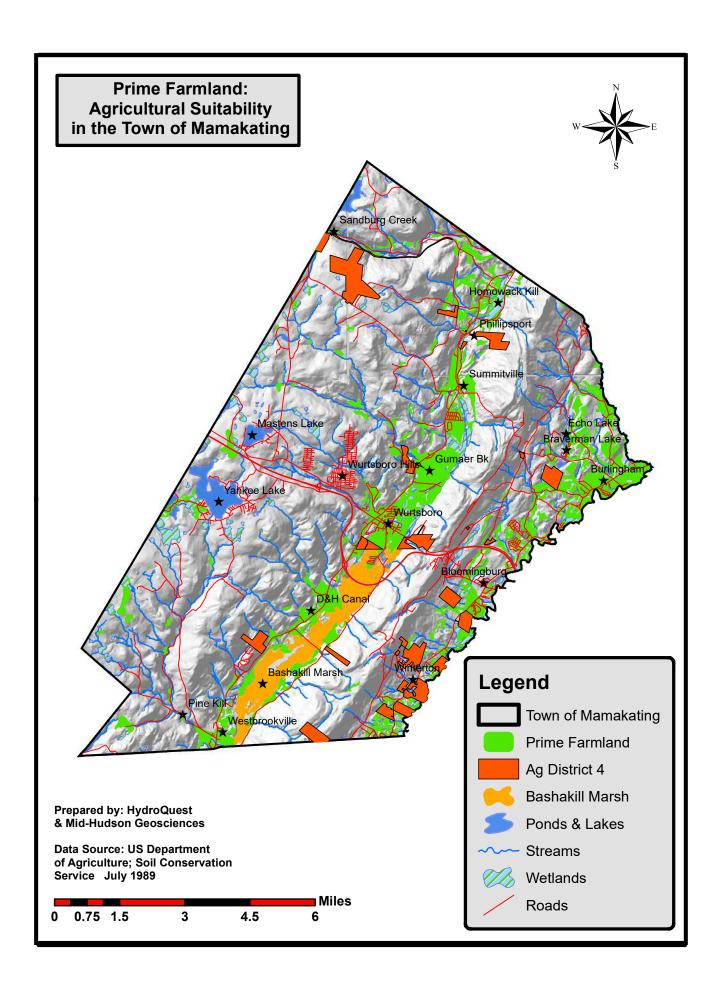


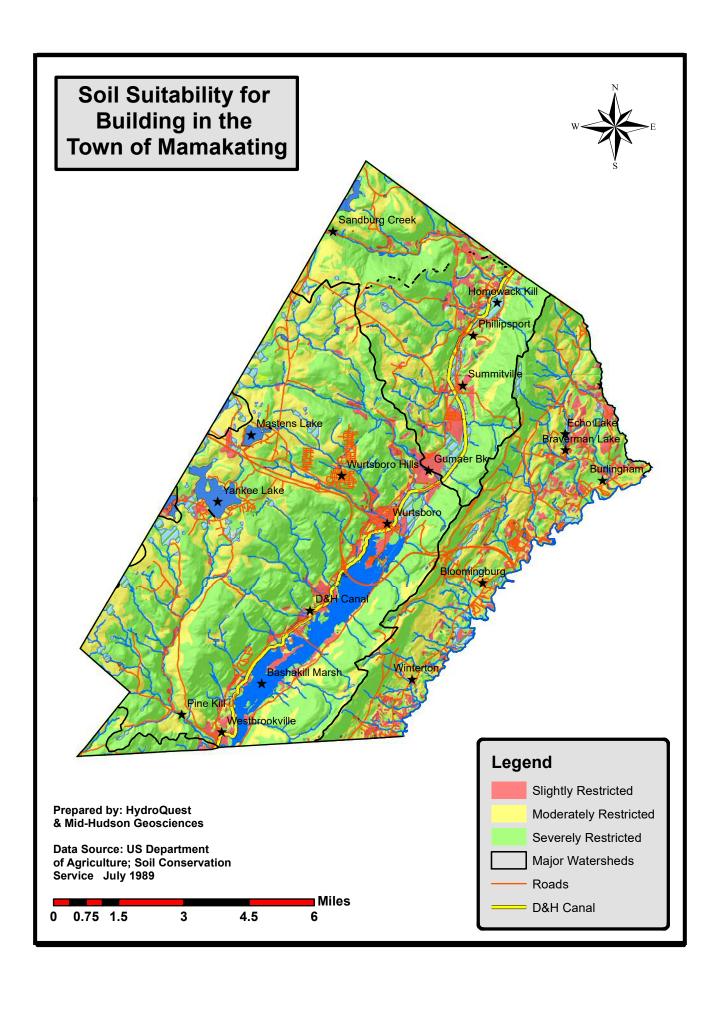


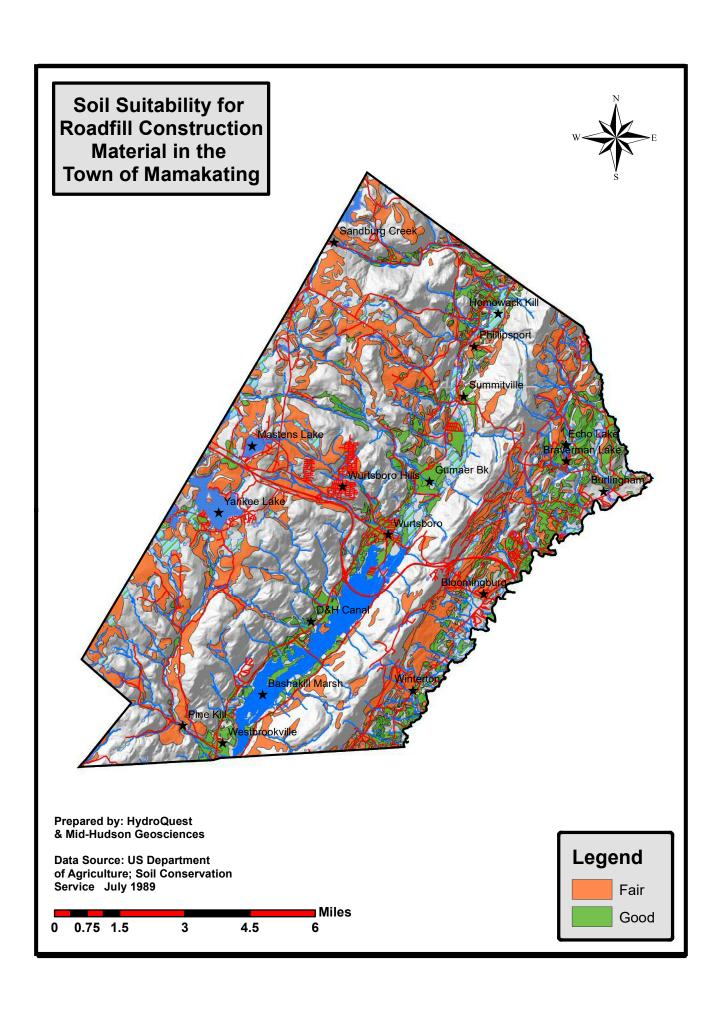


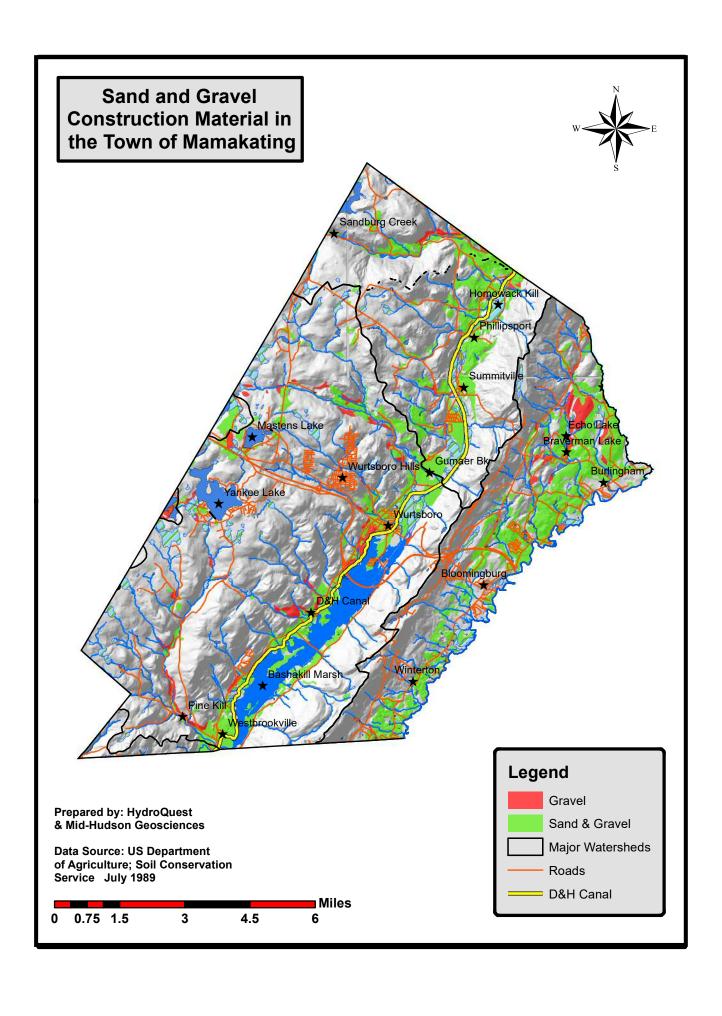


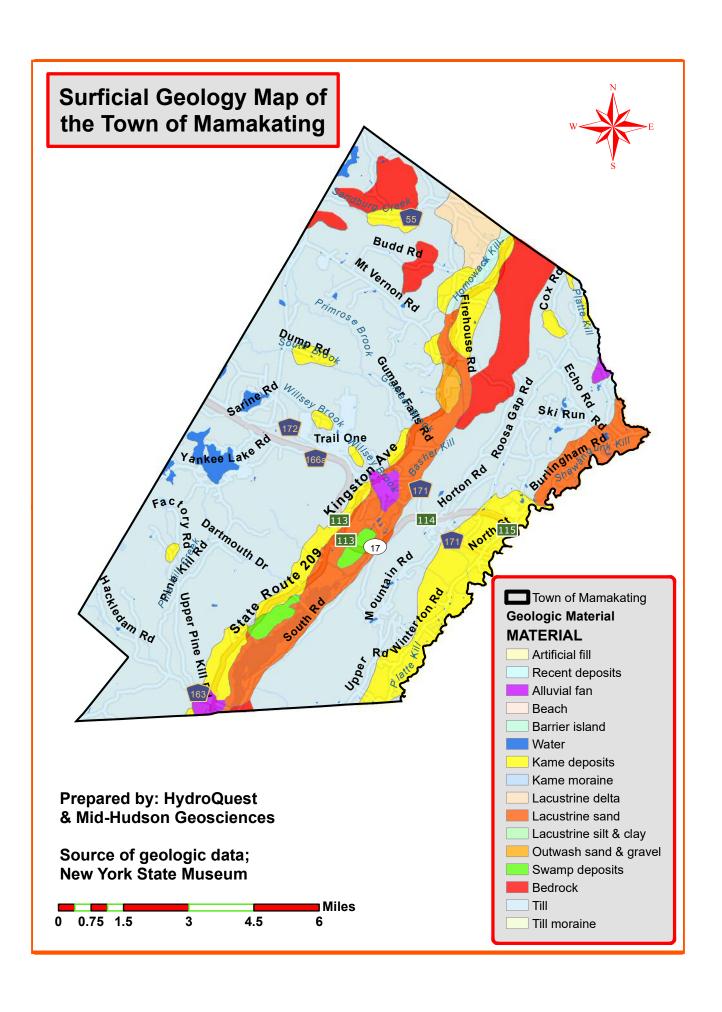


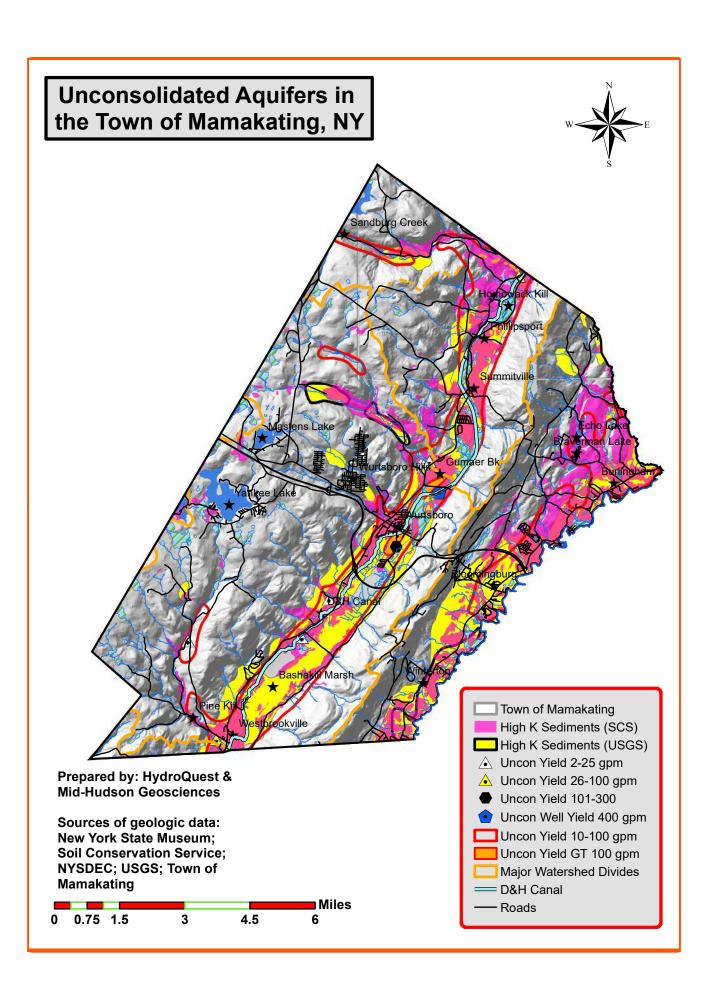


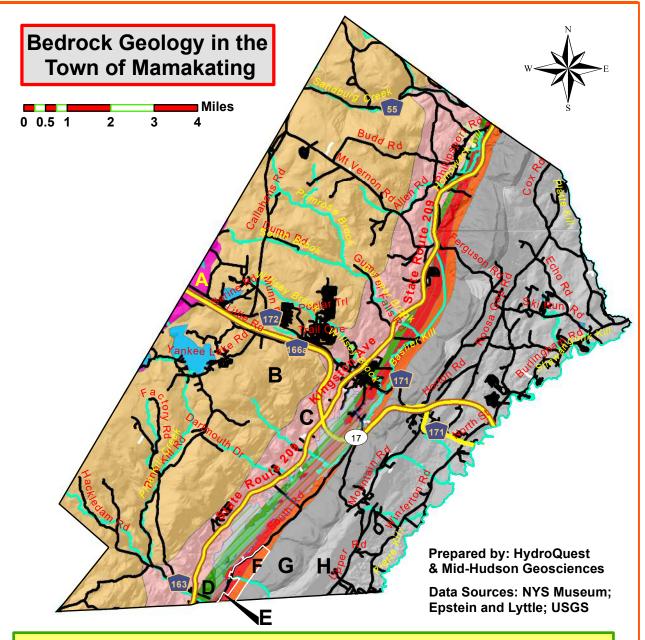












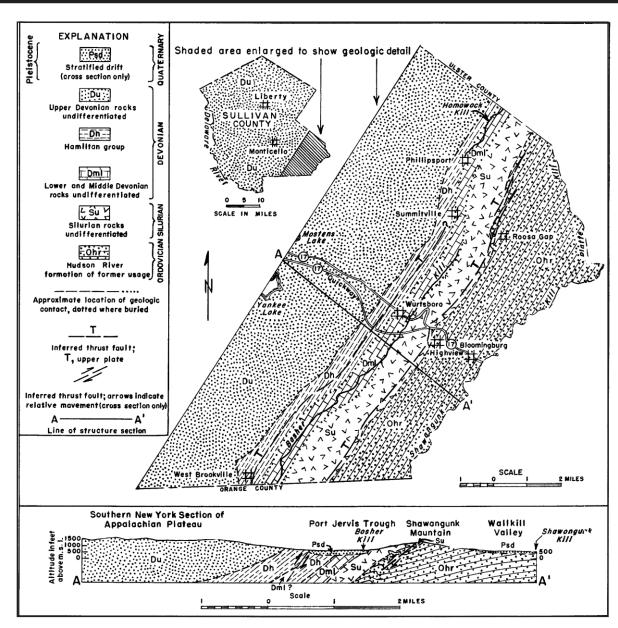
GEOLOGY

- A: Lower Walton Fm shale, sandstone, conglomerate
- B: Oneonta Fm shale, sandstone
- C: Hamilton Group shale, siltstone, sandstone, conglomerate
- D: Onondaga Ls limestone (cave former), shale, chert, siltstone
- E: Helderberg Group limestone, dolostone, some sandstone and shale; lower units are cave formers
- F: Rondout Fm siltstone, limestone, shaly dolostone; some cave development
- G: Bloomsburg Fm sandstone, qtzite, congl, siltstone and shale subdivided into:

Basher Kill Tongue Ellenville Tongue

Wurtsboro Tongue

- G: Shawangunk Fm gtzite, conglomerate, shale
- H: Martinsburg Fm shale, graywacke, sandstone



Geologic cross section through Sullivan County. From Soren (USGS Survey Bulletin GW-46, 1961). See Bedrock Geology figure in this report for additional detail.



Flat-lying red shales and sandstone beds of the Oneonta Formation (Du) exposed near Mastens Lake in the above section.



Inclined Helderberg Group carbonate beds (Dml) exposed near the middle of the above geologic cross section.

