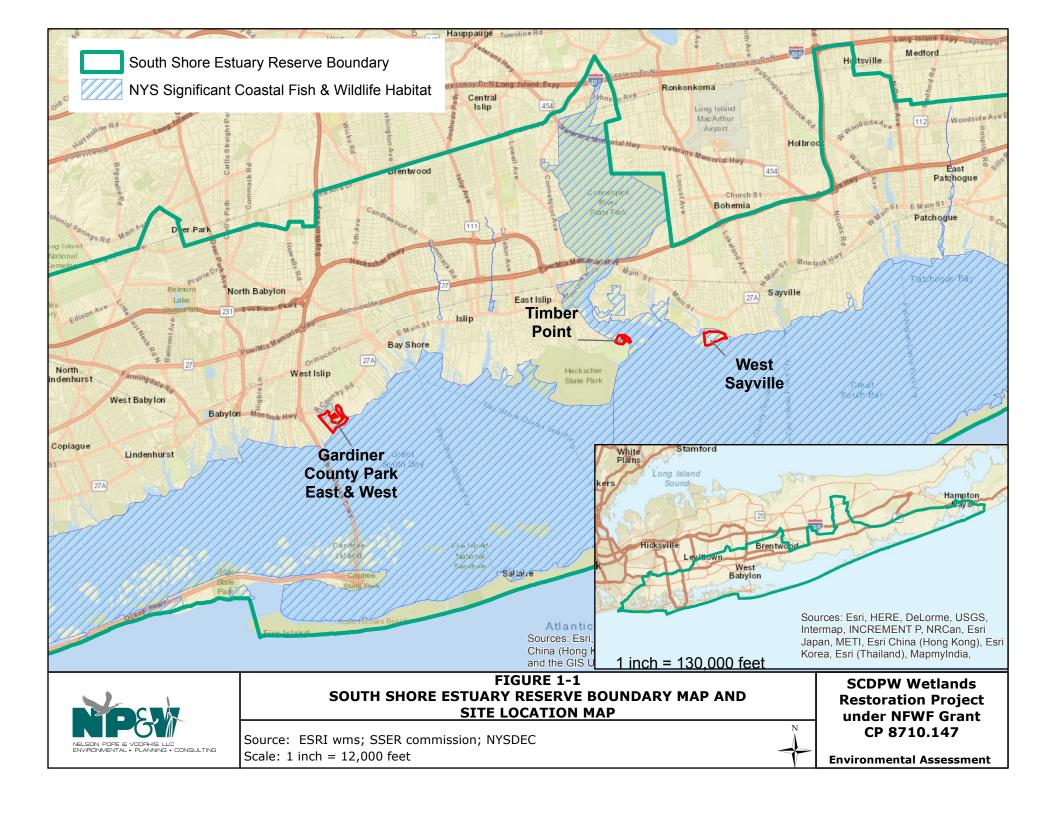
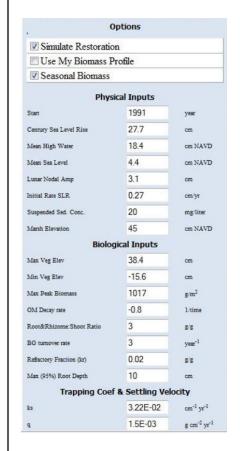
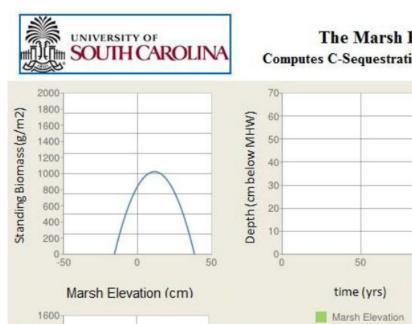
APPENDIX B

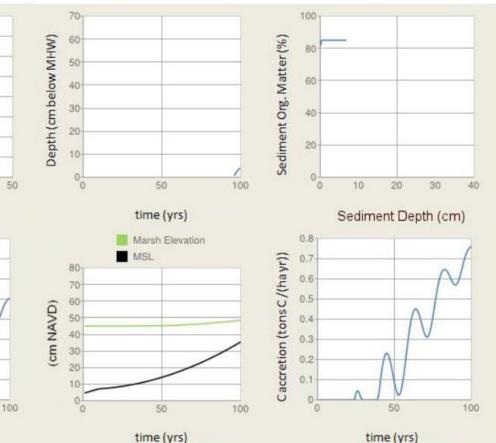
Figures







The Marsh Equilibrium Model MEM 3.4 Computes C-Sequestration and Marsh Responses to Sea-Level Rise



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FIGURE 1-2 - GARDINER COUNTY PARK MARSH EQUILIBRIUM MODEL

Source: MEM Model, Morris et al 2012.

Scale: N/A

Standing Biomass (g/m2)

1400

1200

1000

800

400

200

0

50

time (yrs)



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FIGURE 1-3 GARDINER COUNTY PARK AERIAL MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 750 feet



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"940t River





FIGURE 1-4 TIMBER POINT AERIAL MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 200 feet







FIGURE 1-5 WEST SAYVILLE AERIAL MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 400 feet



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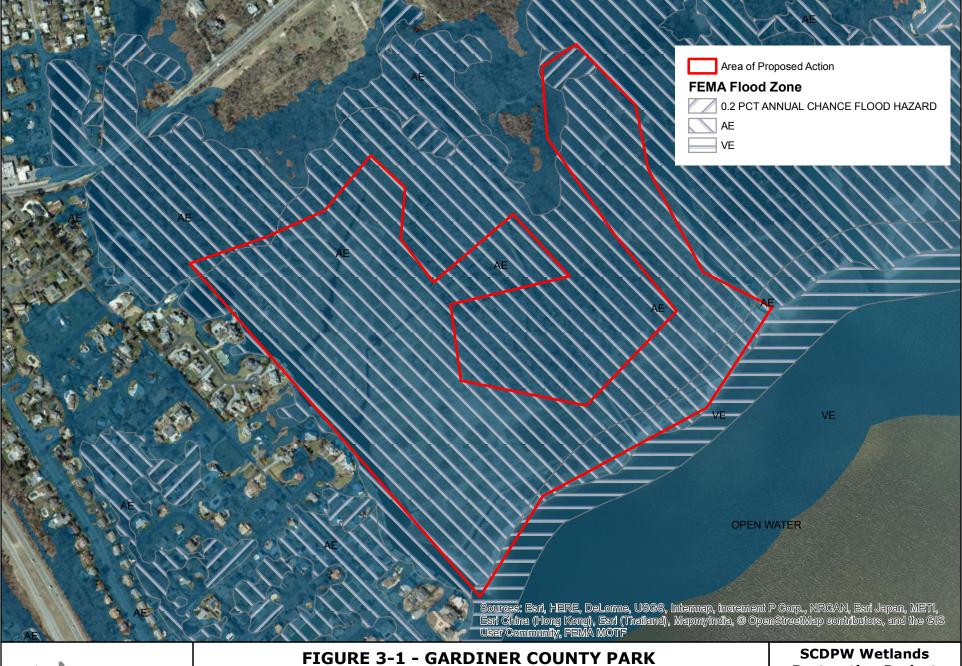




FIGURE 3-1 - GARDINER COUNTY PARK FLOOD ZONES AND HURRICANE SANDY SURGE BOUNDARY MAP

Source: ESRI wms; FEMA 100yr layer, Suffolk Cty, 2013; FEMA Sandy wms

Scale: 1 inch = 600 feet



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Approximate location of project site

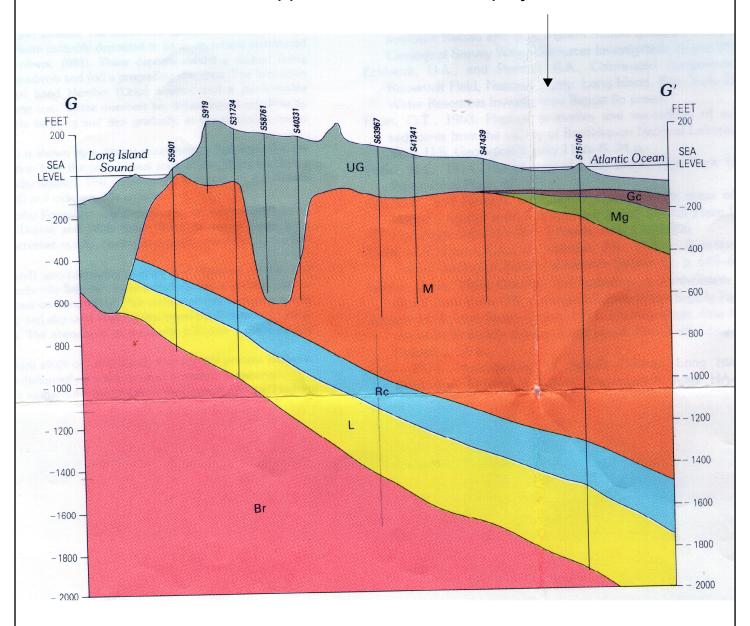
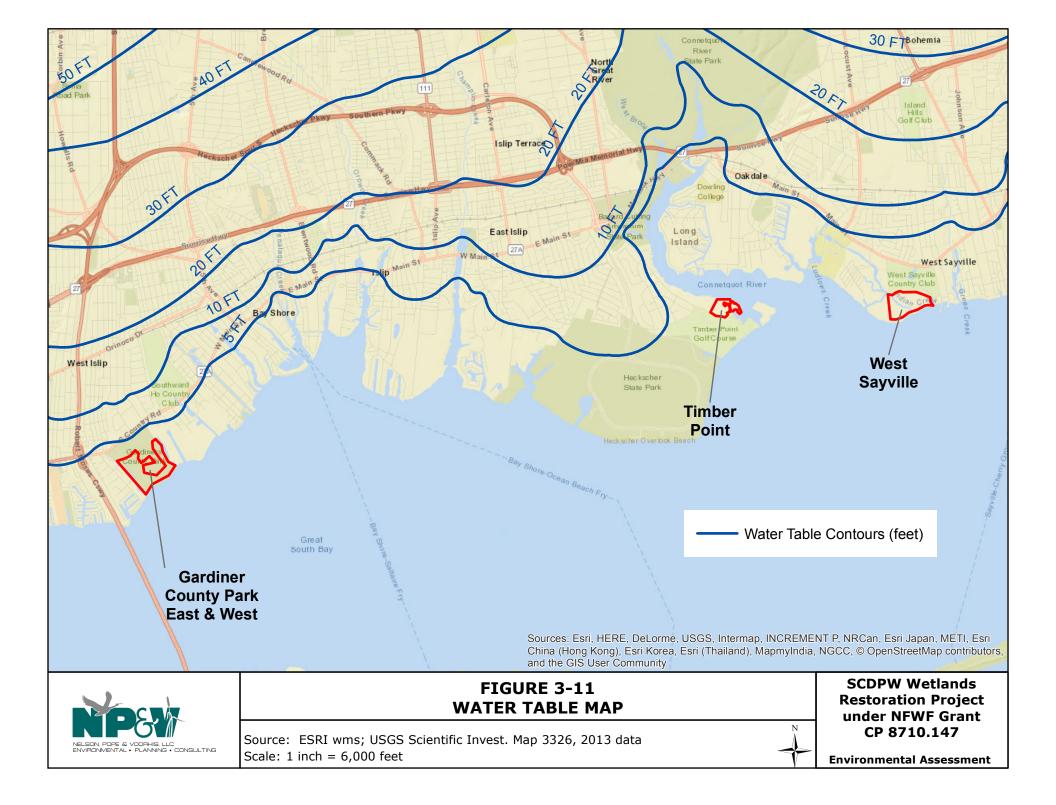


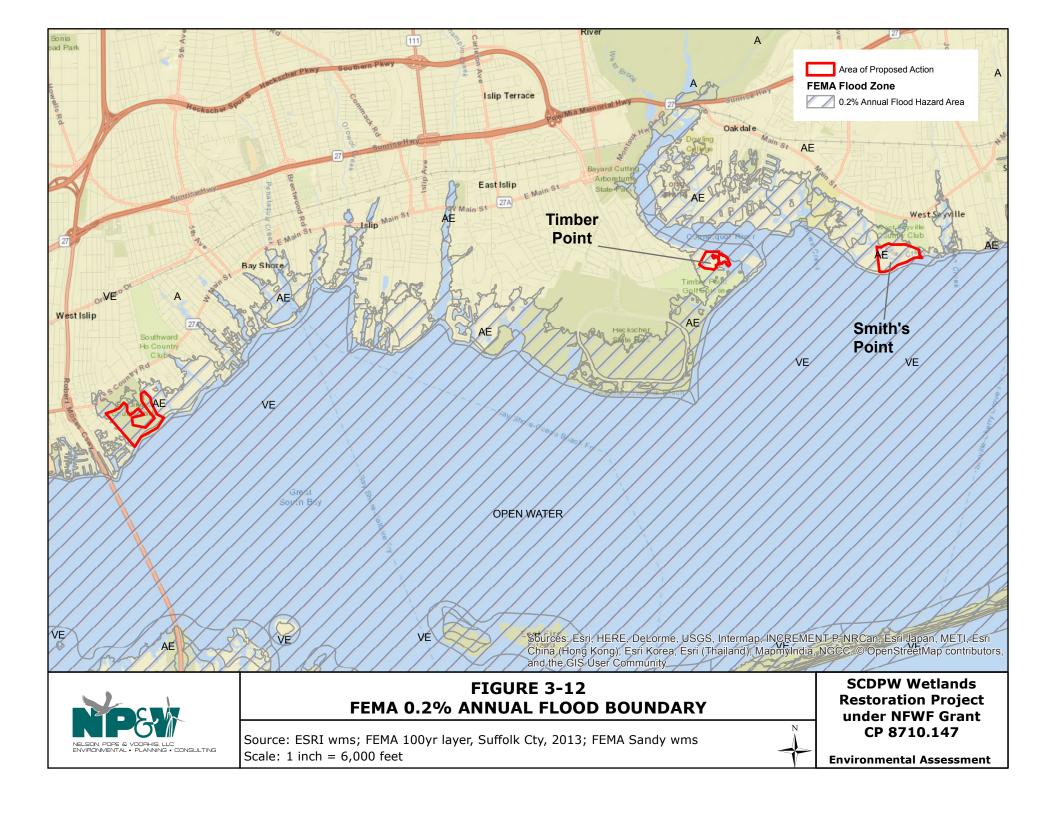


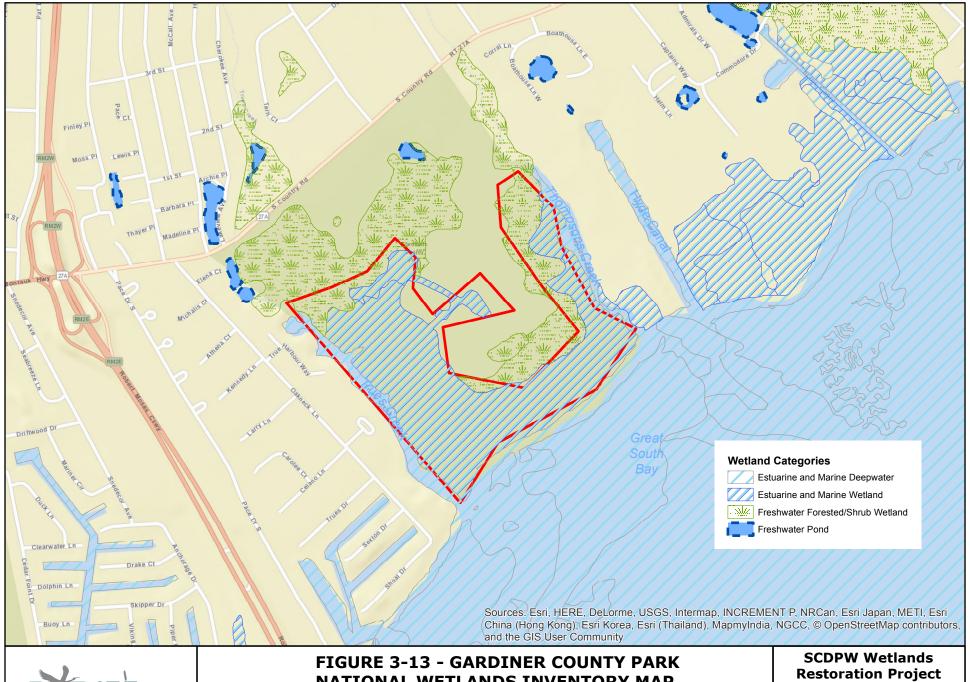
FIGURE 3-10 - WEST SAYVILLE GEOLOGIC CROSS-SECTION

Source: section G from Smolensky, et. al; USGS

Hydrologic Atlas:709, 1990 Scale: NTS, Verticle exaggeration SCDPW Wetlands Restoration Project under NFWF Grant CP 8710.147









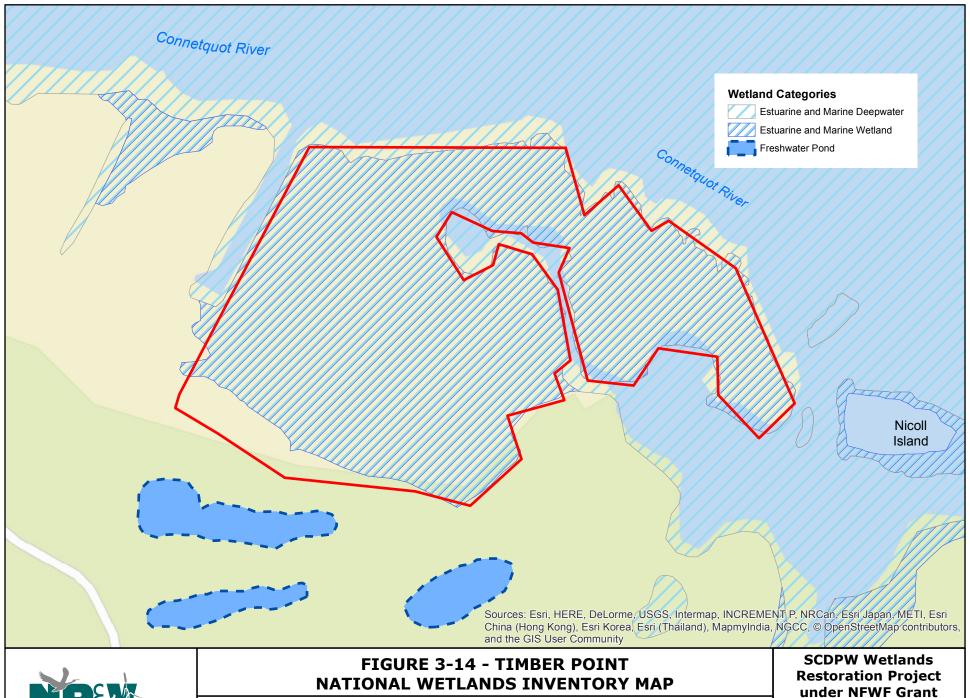
NATIONAL WETLANDS INVENTORY MAP

Source: ESRI wms; USF&W nwi wetlands layer

Scale: 1 inch = 1,000 feet



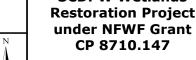
under NFWF Grant CP 8710.147





Source: ESRI wms; USF&WS NWI layer

Scale: 1 inch = 300 feet





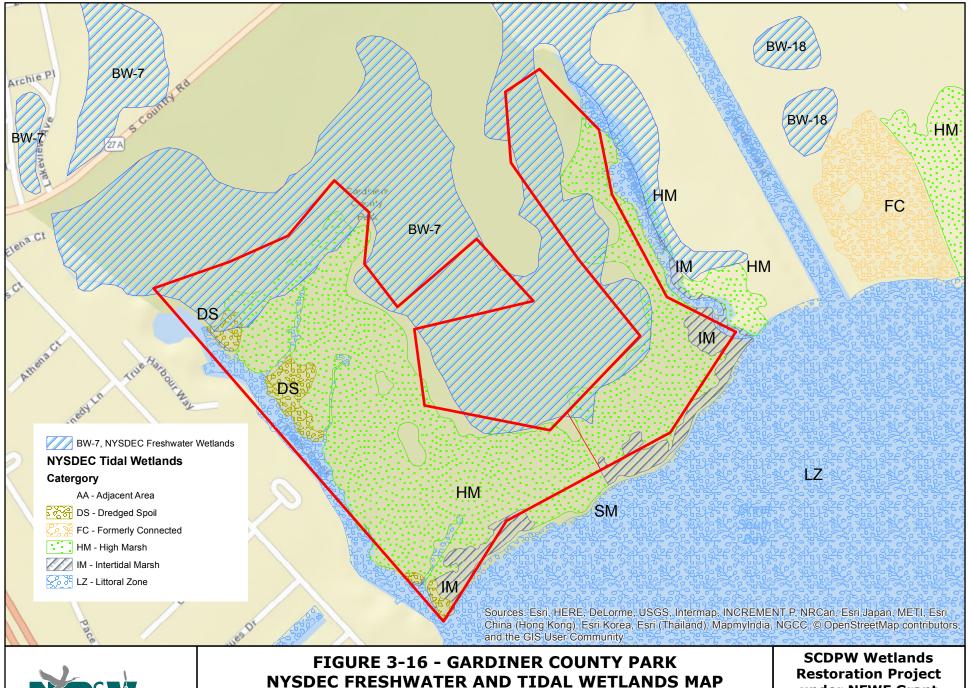


Source: ESRI wms; USF&W NWI layer

Scale: 1 inch = 500 feet



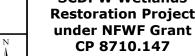
under NFWF Grant CP 8710.147

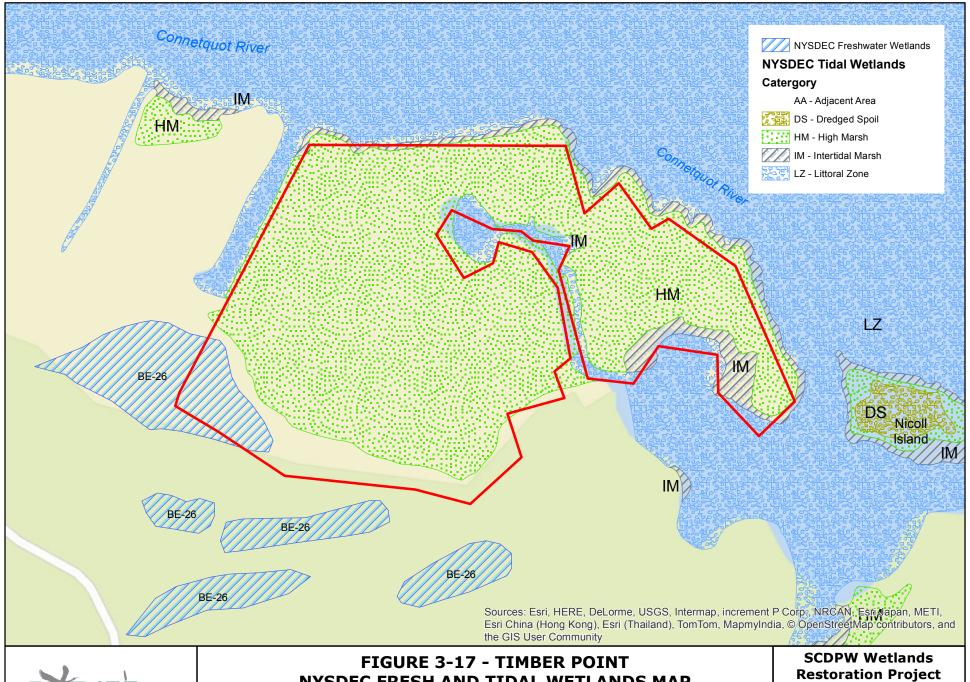




Source: ESRI wms; NYSDEC Freshwater & Tidal Wetlands

Scale: 1 inch = 600 feet



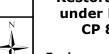




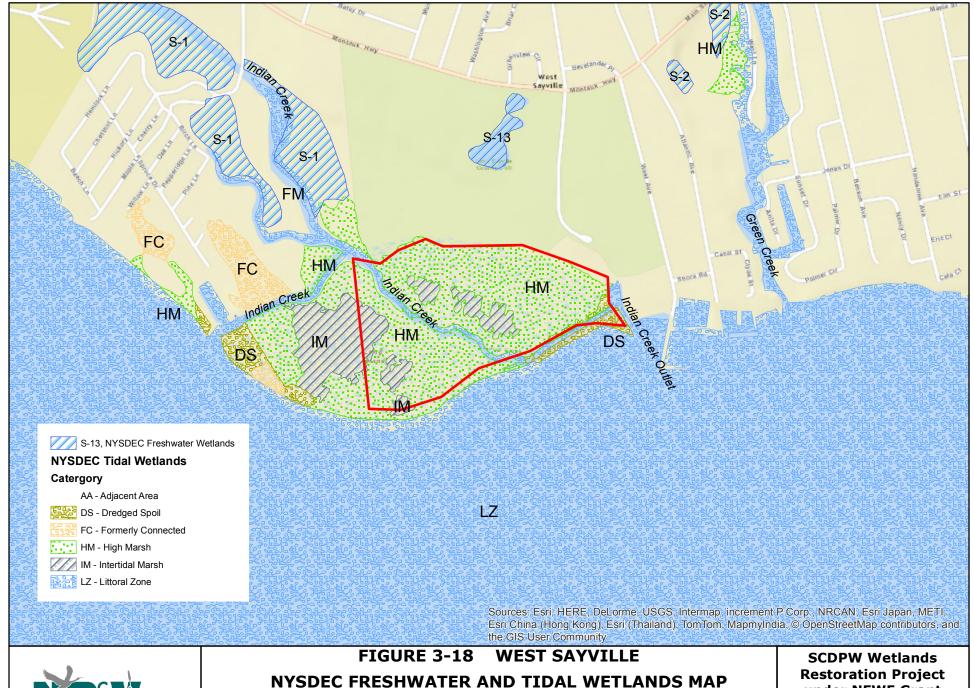
NYSDEC FRESH AND TIDAL WETLANDS MAP

Source: ESRI wms; NYSDEC Fresh & Tidal Wetlands

Scale: 1 inch = 300 feet



under NFWF Grant CP 8710.147



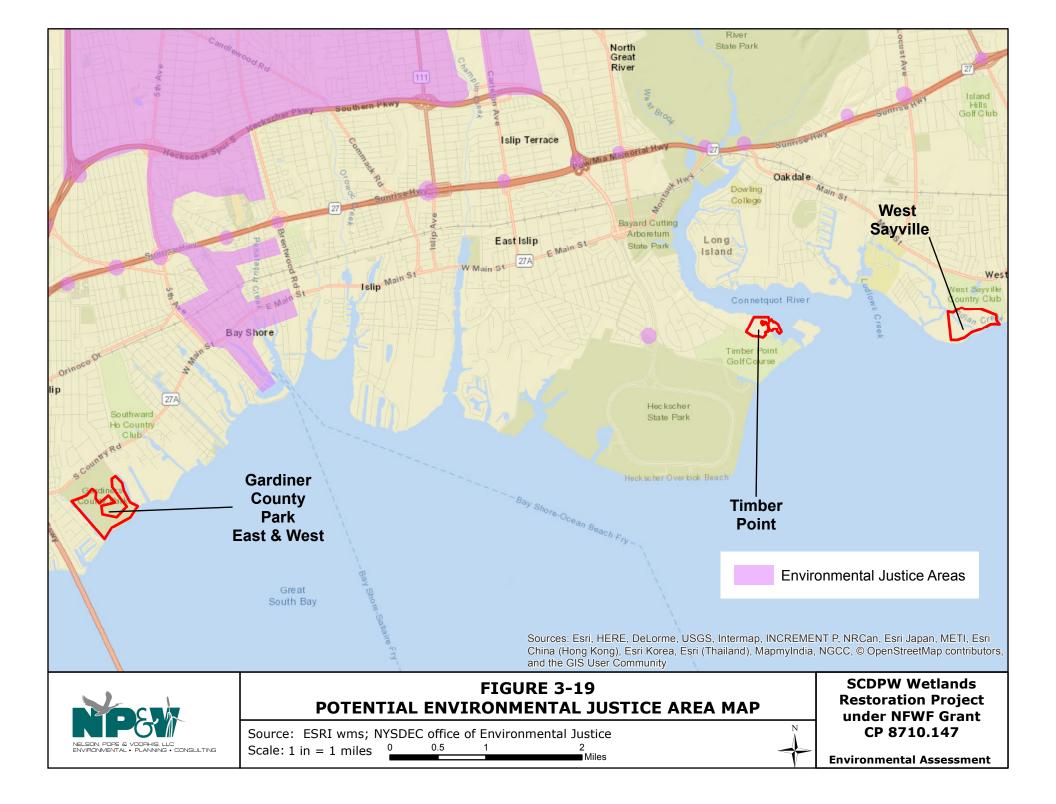


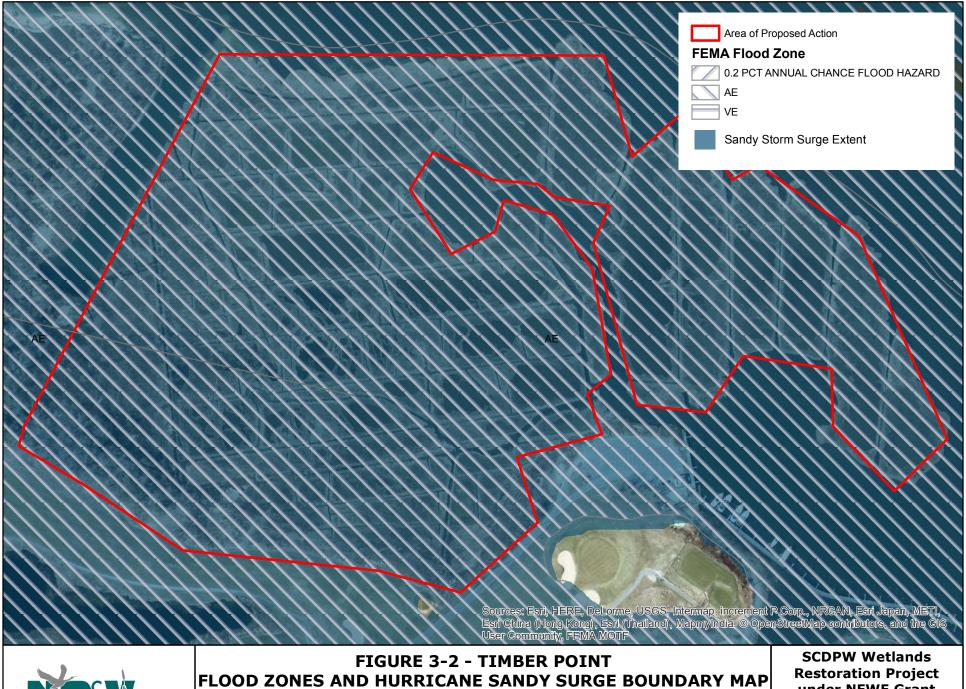
Source: ESRI wms; NYSDEC Freshwater & Tidal Wetlands

Scale: 1 inch = 1,000 feet



under NFWF Grant CP 8710.147







Source: ESRI wms; FEMA 100yr layer, Suffolk Cty, 2013; FEMA Sandy wms

Scale: 1 inch = 200 feet



under NFWF Grant CP 8710.147

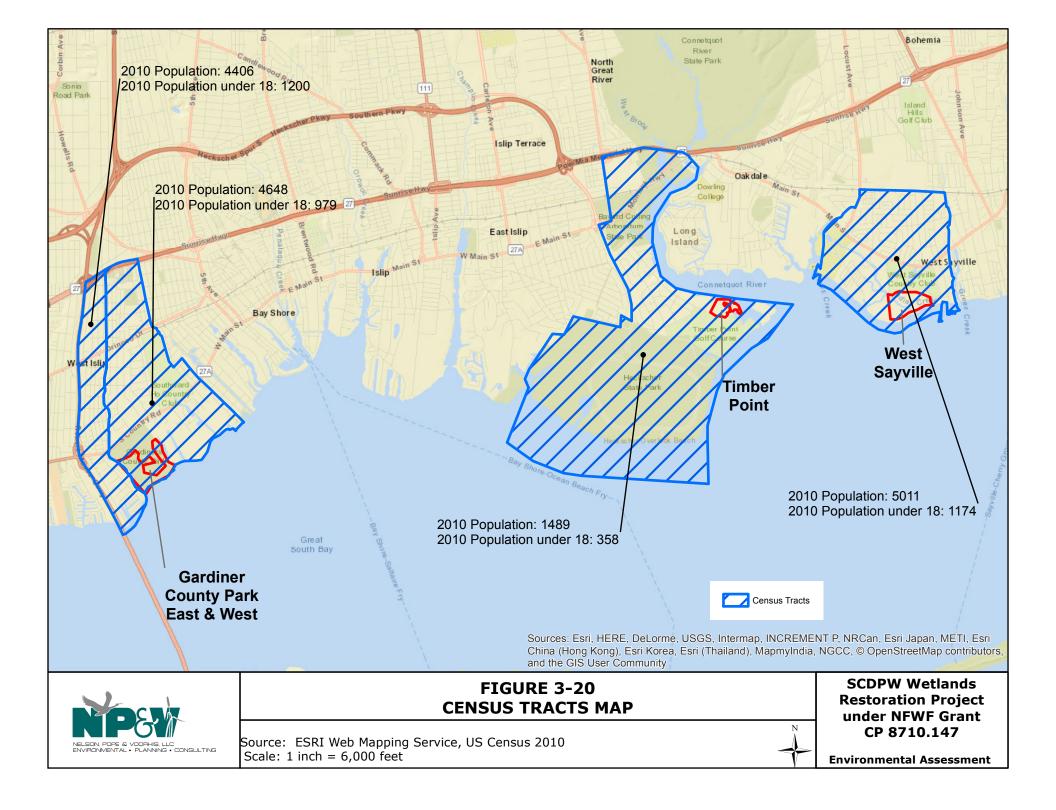






FIGURE 3-21 - GARDINER COUNTY PARK LAND USE MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 600 feet



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LAND USE MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 400 feet

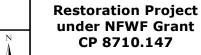






FIGURE 3-24 - WEST SAYVILLE LAND USE MAP

Source: NYS Orthophotography, 2013

Scale: 1 inch = 500 feet



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FIGURE **3-24- GARDINER'S POINT**AREAS AT RISK TO STATIC SEA LEVEL RISE

Source: NYSEMO GIS, March 2009

Scale: 1'' = 1,000'



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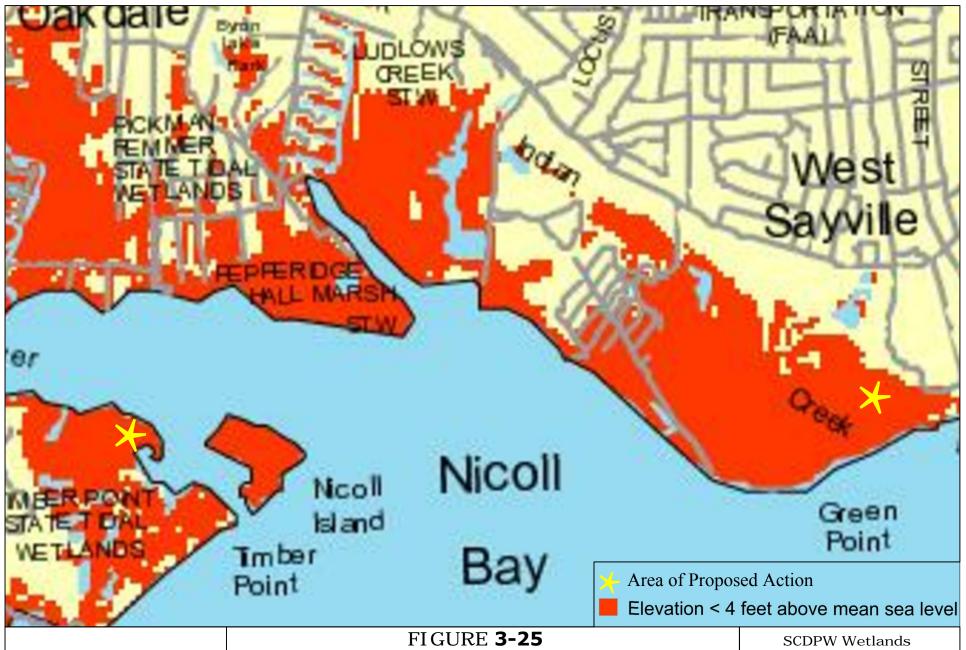




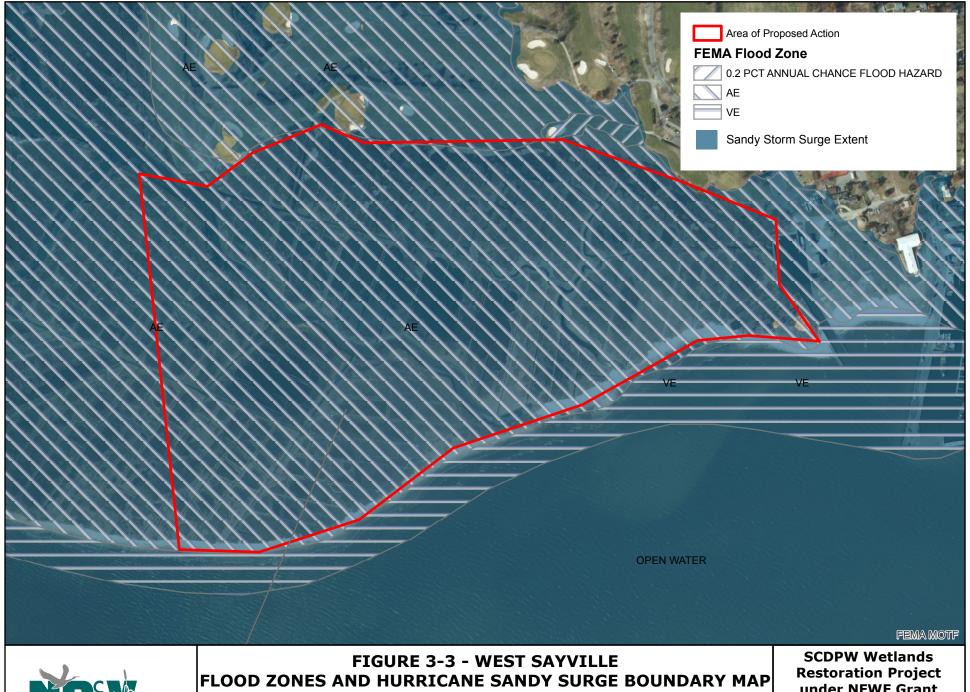
FIGURE **3-25** AREAS AT RISK TO STATIC SEA LEVEL RISE

Source: NYSEMO GIS, March 2009

Scale: 1'' = 1,500'



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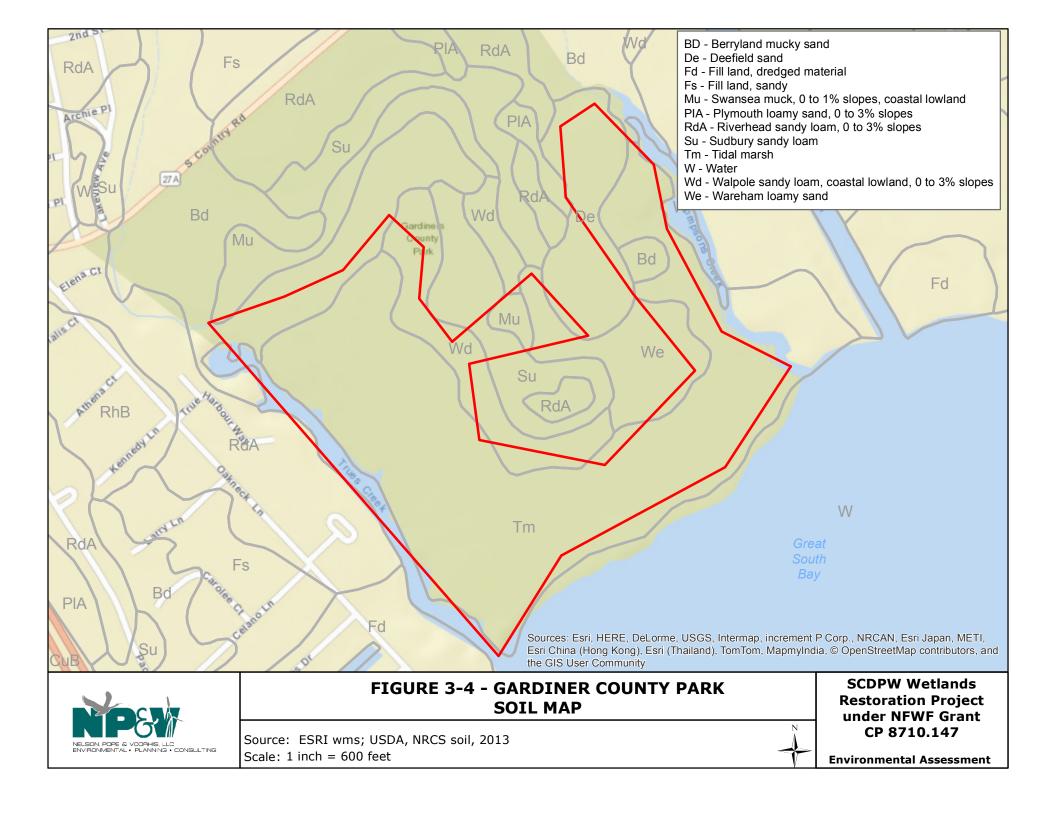


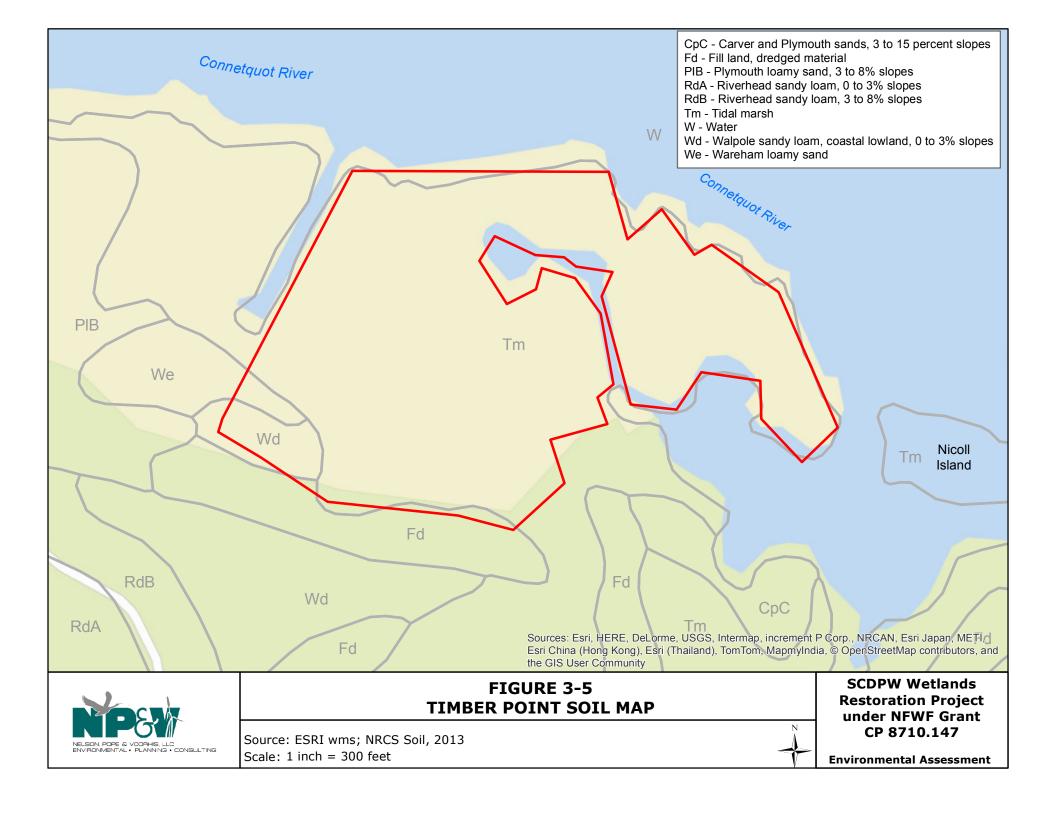
Source: ESRI wms; FEMA 100yr layer, Suffolk Cty, 2013; FEMA Sandy wms

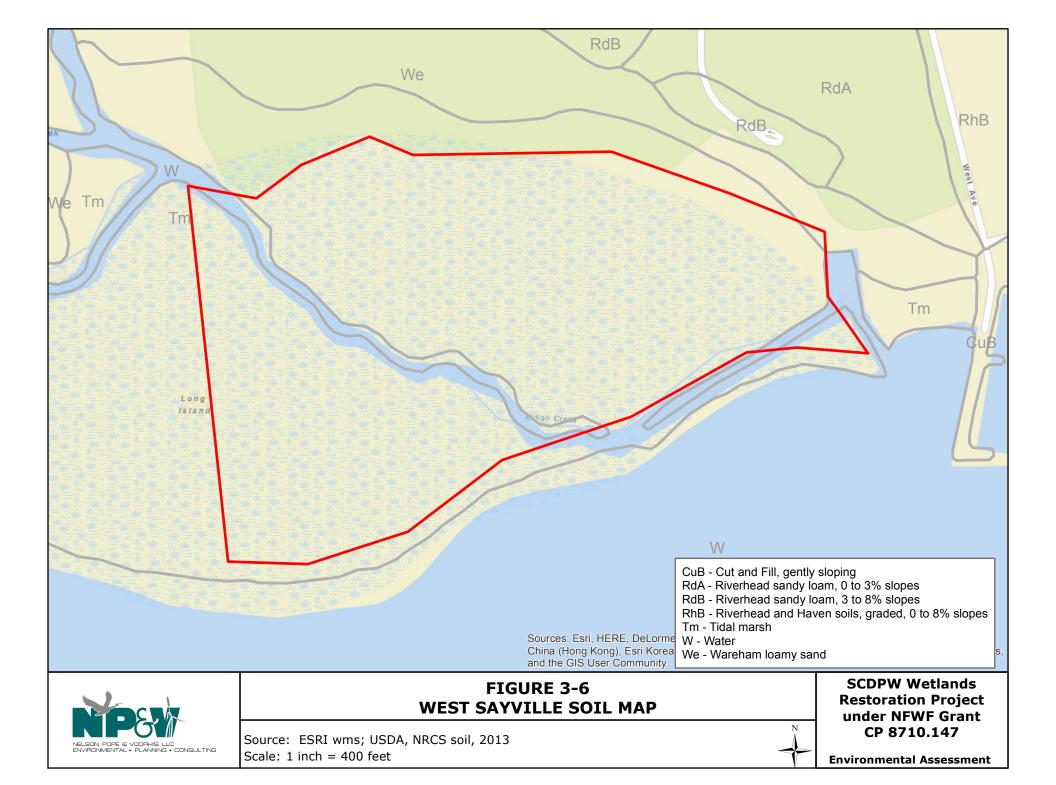
Scale: 1 inch = 400 feet

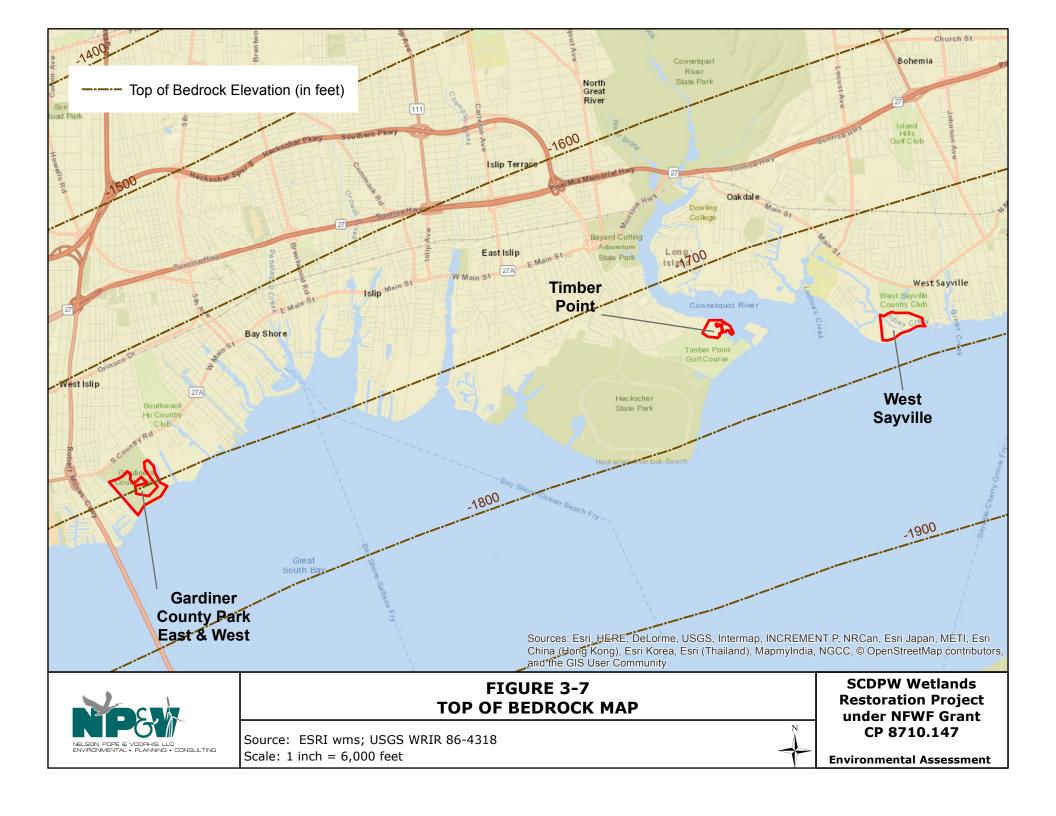


under NFWF Grant CP 8710.147









Approximate location of project site

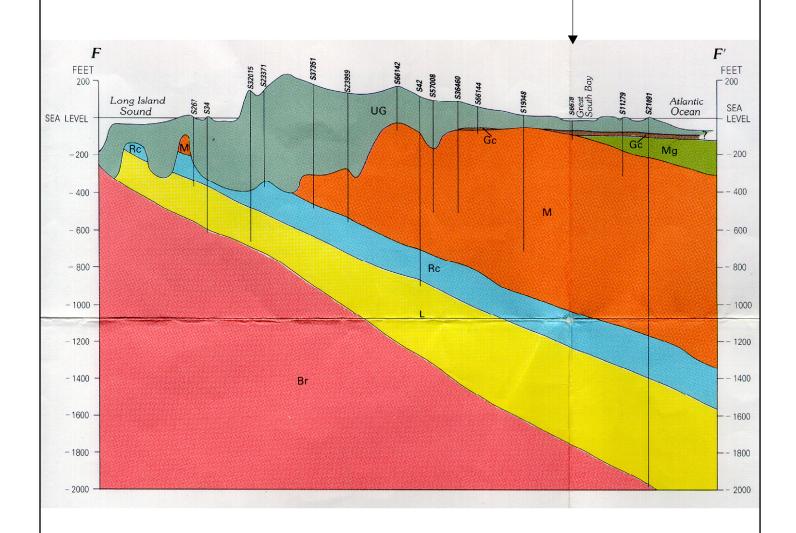




FIGURE 3-8 - GARDINER COUNTY PARK GEOLOGIC CROSS-SECTION

Source: section F from Smolensky, et. al; USGS

Hydrologic Atlas:709, 1990 Scale: NTS, Verticle exaggeration



Approximate location of project site

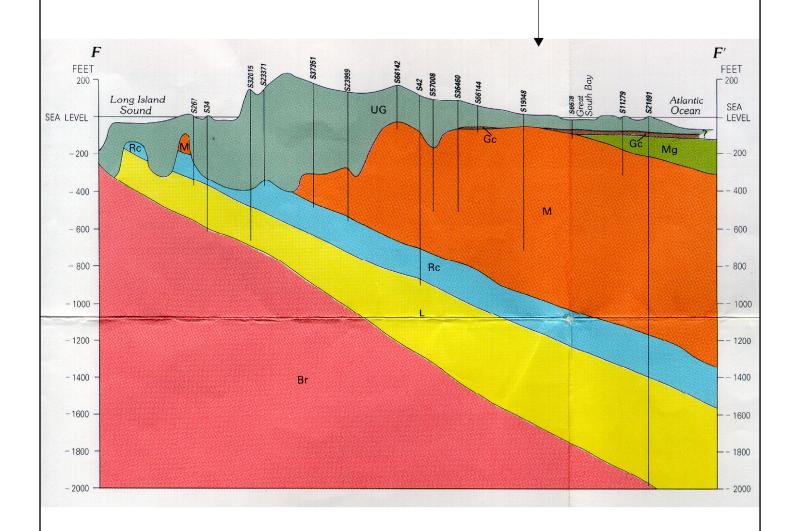




FIGURE 3-9 - TIMBER POINT GEOLOGIC CROSS-SECTION

Source: section F from Smolensky, et. al; USGS

Hydrologic Atlas:709, 1990 Scale: NTS, Verticle exaggeration SCDPW Wetlands Restoration Project under NFWF Grant CP 8710.147