

APPENDIX C: RECOMMENDED GIS DATA SOURCES

Table C-1: List of recommended GIS data sources for natural resources inventory components described in Chapter 4 and contact information for where to obtain them. Many GIS data sets are also available for viewing using online mapping tools listed in Chapter 3, Table 1. Additional data sets in kmz format for viewing in Google Earth are available for download at www.dec.ny.gov/pubs/42978.html.

Feature	Available data online	Web site	Notes
Aerial photography	Digital orthoimagery since 1994	gis.ny.gov	High resolution aerial photos can be used to identify and map natural areas or particular habitats.
Political boundaries	State, city, town and village boundaries; named geographic and cultural features	gis.ny.gov	
Transportation	Roads, railroads	gis.ny.gov	
Utilities	Electric and gas transmission lines	gis.ny.gov	
Topography	Contour lines	gis.ny.gov	
Topography	USGS topo quadrangles	nationalmap.gov/ustopo	
Geology	Bedrock and surficial geology	www.nysm.nysed.gov/gis	
Soils	Soil units and attribute tables	datagateway.nrcs.usda.gov	
Aquifers	Unconsolidated aquifers	gis.ny.gov	Locations of large sand and gravel aquifers based on surficial and bedrock geology maps
Watersheds	10- and 12-digit HUC watershed boundaries	nhd.usgs.gov	Delineate subwatersheds using the USGS StreamStats tool.
Surface water	Streams, waterbodies	nhd.usgs.gov	
NYS Protected streams and waterbodies	DEC Water Quality Classifications	gis.ny.gov	All water bodies in the state are provided a water quality classification based on existing, or expected best usage.
Trout waters	DEC Water Quality Classifications, T or T(S) attribute	gis.ny.gov	Indicates areas suitable for trout and trout spawning.
Floodplains	Flood hazard area maps developed by the Federal Emergency Management Agency (FEMA)	www.rampp-team.com/ny.htm	Floodplain maps are in the process of being updated by FEMA.
Wetlands	National Wetlands Inventory	www.fws.gov/wetlands	NWI maps are not complete for all areas of the Hudson Valley.
Wetlands	New York State Freshwater Wetlands	cugir.mannlib.cornell.edu	Maps of wetlands protected by New York State 12.4 acres and larger
Wetlands	Hydric soils, poorly and somewhat poorly drained soils	datagateway.nrcs.usda.gov	Soil drainage class can indicate possible wetlands.
Significant Biodiversity Areas	Significant biodiversity areas for the Hudson Valley	gis.ny.gov	
Coastal habitats	Significant coastal fish and wildlife habitats, Hudson River shoreline habitat type, tidal wetlands, and documented submerged aquatic vegetation (SAV)	gis.ny.gov	Information used for state coastal consistency analysis
Forests	Large forest acreages for the Hudson Valley	gis.ny.gov	Forest cover based on analysis of 2010 C-CAP data
Significant Ecosystems	Significant natural community occurrences documented in NYS; important areas for documented rare plants, rare animals, and significant ecosystems for the Hudson Valley	gis.ny.gov	Information collected by the New York Natural Heritage Program
Historic sites	National Register sites, NYS historic sites and park boundaries, NYS Heritage Areas	nysparks.com/shpo	
Recreation sites	Outdoor recreation destinations, DEC lands and campgrounds, DEC points of interest, DEC roads and trails, NYS landmarks, NYS recommended public fishing sites	gis.ny.gov	
Land use/land cover and impervious surfaces	National Land Cover Database (NLCD)	www.mrlc.gov	Data derived from 30-meter resolution satellite imagery; most useful at townwide scale
Land cover	Coastal Change Analysis Program (C-CAP) land cover data	coast.noaa.gov/digitalcoast	Data derived from 30-meter resolution satellite imagery; most useful at townwide scale
Farmland soils	Prime farmland, farmland of statewide importance	datagateway.nrcs.usda.gov	
Agricultural districts	Agricultural district boundaries	gis.ny.gov	
Protected lands	NY Protected Areas Database	www.nypad.org	
Conservation easements	National Conservation Easement Database	conservationeasement.us	