

Town of East Greenbush

Natural Resources Inventory Map Outline

Background Maps [VICTORIA]

- 1. Base Map
 - Municipal boundaries
 - Roads, railroads
 - Streams, wetlands, rivers and waterbodies
 - Digital elevation model hillshade to show topography
- 2. Aerial View
 - Most recent orthoimagery – natural color
- 3. Color Infrared Aerial View

Physical Setting [JENNY]

- 4. Elevation
 - Digital elevation model and hillshade, symbolized by elevation ranges
 - See old comp plans for physical setting descriptions
- 5. Steep Slopes
 - Percent slope calculated from digital elevation model, symbolized by intervals
- 6. Bedrock Geology
 - Bedrock geology, displayed by primary materials
See Explanations of Bedrock Geology Materials: <http://www.nysm.nysed.gov/research-collections/geology/gis>
Also <https://mrddata.usgs.gov/geology/state/state.php?state=NY>
- 7. Surficial Geology
 - Surficial geology, displayed by environment of deposition
 - Mine locations from DEC Mined Land Reclamation Database
- 8. Soils
 - Soil units from county soil survey, symbolized by natural drainage classification

See Natural Drainage Classes descriptions - NRCS Soil Survey Manual
https://www.nrcs.usda.gov/wps/portal/nrcs/detail//?cid=nrcs142p2_054253#soil_water

Water Resources [BOB]

- 9. Major Aquifers
 - 1:250,000 unconsolidated aquifers
 - <https://www.dec.ny.gov/lands/36119.html>,
 - <https://ny.water.usgs.gov/projects/bgag/aquifer.maps/aquifer2.maps.html>

- See Information provided by Elisa Chae
- 10. Streams and Watersheds
 - USGS National Hydrography Dataset HUC 12 watersheds, streams and waterbodies

Hudson Valley Natural Resource Mapper has statistics on forest and impervious cover by watershed.

Good general descriptions in this report template: <http://townofcopake.org/site/wp-content/uploads/2013/10/Copake-Water-Resources-Summary.pdf>
- 11. Floodplains and Riparian Areas
 - FEMA Flood Hazard Areas
 - Riparian Buffers
 - See <http://www.nynhp.org/treesfortribsny> and Hudson Valley Natural Resource Mapper description
- 12. Water Quality Classifications
 - DEC Water Quality Classifications (streams and waterbodies)
 - DEC regulatory freshwater wetlands
 - 50-ft Watercourse Management Overlay District buffers

There are good general descriptions of DEC water quality classifications and the Priority Waterbody List in this report template: <http://townofcopake.org/site/wp-content/uploads/2013/10/Copake-Water-Resources-Summary.pdf>

The Hudson Valley Natural Resource Mapper links directly to the Priority Waterbody List reports. www.dec.ny.gov/gis/hre

DEC Freshwater Wetlands Mapping: <https://www.dec.ny.gov/lands/5124.html>

DEC Water Quality Standards and Classifications: <https://www.dec.ny.gov/chemical/23853.html>
- 13. Wetlands **[INGRID AND JENNIFER]**
 - National Wetlands Inventory
 - DEC regulatory freshwater wetlands
 - Probable and possible wetland areas (based on soil drainage class)
 - Important Wetland Complexes (from RLT Conservation Plan Restricted_EcoComplexes_ImpSites_East_Greenbush layer)
 - Hampton Manor Lake, Best Road Wetlands, and Moordener Kill E Greenbush Town Park

Habitats and Wildlife [INGRID AND JENNIFER]

- 14. General Land Cover and Land Use
 - National Land Cover Dataset
- 15. Significant Ecological Features

- Significant Coastal Fish and Wildlife Habitat
 - Known Important Areas for Rare Animals
 - Rare Plant Concentration Areas (from RLT Conservation Plan, pending permission from David Hunt)
 - Important Forest Interior Habitat (from RLT Conservation Plan ForestInteriors_Important_East_Greenbush layer)
 - Important Aquatic Ecosystems (from RLT Conservation Plan Restricted_EcoComplexes_ImpSites_East_Greenbush layer)
 - Papscaenee Island and Rensselaer Bay, Hampton Manor Lake, Best Road Wetlands, and Moordener Kill E Greenbush Town Park)
 - Important Aquatic Networks (from RLT Conservation Plan RensCo_Important_AqNets_East_Greenbush layer)
 - Trout and trout-spawning waters (from DEC Water Quality Standards)
 - Stream habitat for migratory fish
- 16. Large Forests
 - Large Forests (>200 acres)
 - Important Forest Interior Habitat (from RLT Conservation Plan ForestInteriors_Important_East_Greenbush layer)
 - 17. Stream Habitats
 - Trout and trout spawning waters (from DEC Water Quality Standards)
 - Nature Conservancy's NE Aquatic Habitat Classification
 - Culverts and Dams
 - USGS National Hydrography Dataset HUC 12 watersheds
 - Important Aquatic Networks (from RLT Conservation Plan RensCo_Important_AqNets_East_Greenbush layer)
 - NYNHP Riparian Buffers
 - 18. Coastal Habitats
 - Significant Coastal Fish and Wildlife Habitats
 - Tidal wetlands
 - Documented Submerged Aquatic Vegetation
 - Stream habitat for migratory fish
 - Hudson River shoreline type

Climate [ANDREW]

- 19. Sea level rise projections
- 19b. Sea level rise detail
 - Refer to Climate Summary template doc provided, and to Scenic Hudson Tidal Wetland Pathways documents and web map:
 - <https://www.scenichudson.org/sites/default/files/protecting-the-pathways.pdf>
 - <https://scenichudson.maps.arcgis.com/apps/MapSeries/index.html?appid=9190b7560a574ad69cd91b43e383b203>

Land Use [ANDREW]

- 20. Zoning and Tax Parcels
 - Local Data

- 21. Existing Land Use
 - Classify based on property type classification code in parcel data
See Property type classification codes - Assessors' Manual
<https://www.tax.ny.gov/research/property/assess/manuals/prclas.htm>

- 22. Regulated Facilities and Industrial Land Use
 - SPDES Permit Sites
 - Petroleum and Chemical Bulk Storage Facilities
 - <https://www.dec.ny.gov/chemical/287.html>
 - Salt Storage Facilities
 - Waste Sites – property type codes from 850 – 853

See DECInfo Locator map for more info about some of the facilities on this map.
<https://www.dec.ny.gov/pubs/109457.html>

- 23. Agricultural Resources
 - Prime Farmland Soils
 - https://www.nrcs.usda.gov/wps/portal/nrcs/detail/pr/soils/?cid=nrcs141p2_037285
 - Prime Farmland Soils if drained
 - Farmland Soils of Statewide Importance
 - Agricultural Tax Exemptions
 - County Agricultural Districts

See County Ag Plan: <https://www.farmlandinfo.org/rensselaer-county-ny-agricultural-and-farmland-protection-plan>
Also see Rensselaer Land Trust Conservation Plan when released (draft available online at www.renstrust.org)

Cultural Resources [NANCY and VICTORIA]

- 24. Conservation, Scenic, and Recreation Resources
 - NY Protected Area Database (NYPAD)
 - Local comp plan and amenity plan recreation and scenic data
 - Refer to 1993 comp plan for scenic road descriptions
 - Albany-Hudson Electric Trail

- 25. Historic Sites
 - National Register of Historic Places (from NYSHPO)
 - Local comp plan data