

NATURAL RESOURCES INVENTORY

Stream Biomonitoring and Priority Waterbodies

Water Quality Assessment (BAP Score)

- 7.5 - 10.0 Not Impacted
- 5.0 - 7.49 Slightly Impacted
- 2.5 - 4.99 Moderately Impacted

NYSDEC Waterbody Assessment

- ~ Minor Impacts
- ~ No Known Impact
- ~ Unassessed Stream
- blob Unassessed Water Body
- NYSDEC Biomonitoring Sites
- Dams
- Culverts
- ↓ Direction of Flow

Roads

- Interstate
- Federal Highway
- State Route
- County Road

DATA SOURCES: New York State Dept. of Environmental Conservation, 2017; Orange County Water Authority, 2017; Orange County Dept. of Planning, 2018; New York State Dept. of Transportation, 2017; United States Geological Survey, 2017

Water Quality Assessment was performed by the Orange County Water Authority (OCWA) from 2004 to 2012. Biological Assessment Profile (BAP) scores are based on in-stream collection of benthic macroinvertebrate samples and subsequent lab analysis. Parameters for developing a BAP score include species richness, EPT richness, Hilsenhoff's biotic index, percent model affinity, nutrient biotic index, species diversity, and non-Chironomidae and Oligochaeta richness.

Creating Natural Resources Inventories (NRIs) in Orange County Communities is a partnership project between OCWA and Cornell University Department of Natural Resources, with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation Hudson River Estuary Program.

Orange County Department of Planning
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