



**Oswego/Ox Creek Watershed  
(0414020301)**

<b>Water Index Number</b>	<b>Waterbody Segment</b>	<b>Category</b>
Ont 66 (portion 3)	Oswego River, Upper, Main Stem (0701-0021)	Need Verific
Ont 66- 4	Waterhouse Creek and tribs(0701-0026)	MinorImpacts
Ont 66- 6	Ox Creek and tribs (0701-0027)	UnAssessed
Ont 66- 6-1-P13	Mud Lake (0701-0028)	UnAssessed

# Oswego River, Upper, Main Stem (0701-0021)

Need Verific

## Waterbody Location Information

Revised: 05/21/2007

**Water Index No:** Ont 66 (portion 3)      **Drain Basin:** Oswego-Seneca-Oneida  
**Hydro Unit Code:** 04140203/010      **Str Class:** B      Oswego River  
**Waterbody Type:** River      **Reg/County:** 7/Oswego Co. (38)  
**Waterbody Size:** 16.4 Miles      **Quad Map:** FULTON (H-15-4)  
**Seg Description:** portion from Fulton to Three Rivers

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Suspected
Recreation	Threatened	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: NUTRIENTS  
Possible: Pathogens, Silt/Sediment

### Source(s) of Pollutant(s)

Known: ---  
Suspected: AGRICULTURE, Urban/Storm Runoff  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/WQCC      **Resolution Potential:** Medium  
**TMDL/303d Status:** n/a

## Further Details

Aquatic life support and recreational uses in this portion of the Oswego River are thought to experience minor threats due to nutrient enrichment that results in periodic eutrophic conditions. Agricultural and other nonpoint sources throughout the watershed are the likely source of the nutrients.

A biological (macroinvertebrate) assessment of this portion of the Oswego River below Phoenix (at Bouy 30) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The assessment is based on three months of multiplate sampling. Zebra mussels were noted and are likely responsible for an increase in water clarity compared to previous sampling. Otherwise, the assessment represents no significant change from previous results for 1990 and 1995 sampling. Although these effects on the fauna are minor and aquatic life support is considered to be fully supported in the stream, nutrient biotic evaluation suggests the level of eutrophication is sufficient to threaten aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the river from the foot of Nestle Avenue about 0.6 miles above the Lock 2 dam in Fulton to the confluence of the Seneca and Oneida Rivers in Three Rivers. This portion of the river is Class B.

# Waterhouse Creek and tribs (0701-0026)

# MinorImpacts

## Waterbody Location Information

Revised: 05/21/2007

**Water Index No:** Ont 66- 4  
**Hydro Unit Code:** 04140203/010      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 16.2 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Owsego-Seneca-Oneida  
Oswego River  
**Reg/County:** 7/Oswego Co. (38)  
**Quad Map:** FULTON (H-15-4)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Recreation	Stressed	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: NUTRIENTS  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: URBAN/STORM RUNOFF, Agriculture  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/WQCC  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

Aquatic life support and recreation uses in Waterhouse Creek are known to experience minor impacts due to nutrient enrichment from urban runoff and other nonpoint sources.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Waterhouse Creek in Fulton, Oswego County, (at Fremont Street) was conducted in 2002. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated slightly impacted water quality conditions. Urban runoff and siltation were the likely cause of the impacts to the fauna. Although aquatic life is supported in the stream, nutrient biotic evaluation indicates the level of eutrophication is sufficient to stress aquatic life support. Water column sampling revealed dissolved solids to be a parameter of concern. Mercury and iron exceeded assessment criteria in only one of 9 samples collected. Toxicity testing of the water column showed no significant mortality or reproductive impacts. (DEC/DOW, BWAM/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Waterhouse Creek in Fulton (at Fremont Road) was also conducted in 2001 as part of the RIBS Biological Screening effort. Sampling results also indicated slightly impacted water quality. (DEC/DOW, BWAM/SBU, January 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.