



## Canandaigua Lake Watershed (0414020102)

### Water Index Number

Ont 66-12-52..P286  
 Ont 66-12-52..P286- 1 thru 17  
 Ont 66-12-52..P286-18  
 Ont 66-12-52..P286-18  
 Ont 66-12-52..P286-18- 2  
 Ont 66-12-52..P286-18- 2  
 Ont 66-12-52..P286-18- 2- 8  
 Ont 66-12-52..P286-18- 2-10  
 Ont 66-12-52..P286-19 thru 49

### Waterbody Segment

Canandaigua Lake (0704-0001)  
 Minor Tribs to Canandaigua Lake, Eastern (0704-0048)  
 West River, Lower, and minor tribs (0704-0049)  
 West River, Upper, and tribs (0704-0050)  
 Naples Creek, Lower, and minor tribs (0704-0051)  
 Naples/Eelpot Cr, Upper, and minor tribs(0704-0052)  
 Grimes Creek and tribs (0704-0002)  
 Reservoir Creek, Upper, and tribs (0704-0053)  
 Minor Tribs to Canandaigua Lake, Western (0704-0054)

### Category

Threat(Poss)  
 UnAssessed  
 MinorImpacts  
 UnAssessed  
 Need Verific  
 UnAssessed  
 Need Verific  
 UnAssessed  
 UnAssessed

# Canandaigua Lake (0704-0001)

Threat(Poss)

## Waterbody Location Information

Revised: 08/13/2007

<b>Water Index No:</b> Ont 66-12-52..P286	<b>Drain Basin:</b> Oswego-Seneca-Oneida	
<b>Hydro Unit Code:</b> 04140201/190	<b>Str Class:</b> AA(TS)	Seneca/Clyde Rivers
<b>Waterbody Type:</b> Lake	<b>Reg/County:</b> 8/Ontario Co. (35)	
<b>Waterbody Size:</b> 10604.5 Acres	<b>Quad Map:</b> CANANDAIGUA LAKE (J-11-3)	
<b>Seg Description:</b> entire lake		

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Possible

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: OTHER POLLUTANTS

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

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

## Resolution/Management Information

<b>Issue Resolvability:</b> 3 (Strategy Being Implemented)	
<b>Verification Status:</b> 5 (Management Strategy has been Developed)	
<b>Lead Agency/Office:</b> DEC/DOW	<b>Resolution Potential:</b> High
<b>TMDL/303d Status:</b> n/a	

## Further Details

Water supply uses in Canandaigua Lake may experience minor threats due to various activities in the watershed. The designation of this waterbody as a threatened water is reflective of a need to protect its particular resource value, rather than specifically identified threats.

Canandaigua Lake is best characterized as oligotrophic due to low phosphorus concentrations and chlorophyll a and high lake clarity. These trophic indicators have improved significantly over the past several decades. The water column of the lake remains well-oxygenated during the growing season. The rate of sediment deposition in the lake is one of the lowest in all Finger Lakes. (Water Quality Study of the Finger Lakes, DEC/DOW, July 2001)

A previously issued fish consumption advisory for the lake due to PCBs was lifted in 2005. Elevated levels of DDT have been noted in the lake, but these levels in the sediments have declined markedly over the last several decades.

Although there are no known water quality impacts in Canadaigua Lake, the segment is considered a highly valued water resource due to its drinking water supply classification of AA(TS). This designation indicates the lake is to be maintain so as to provide a potable water supply with a minimum of treatment. The inclusion of this waterbody on the DEC/DOW Priority Waterbodies List as a Threatened water is a reflection of the particular resource value reflected in this designation and the need to provide additional protection, rather than any specifically identified threats.

# West River, Lower, and minor tribs (0704-0049)

# MinorImpacts

## Waterbody Location Information

Revised: 08/09/2007

**Water Index No:** Ont 66-12-52..P286-18  
**Hydro Unit Code:** 04140201/190      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 39.8 Miles  
**Seg Description:** stream and selected tribs, from mouth to Middlesex

**Drain Basin:** Oswego-Seneca-Oneida  
Seneca/Clyde Rivers  
**Reg/County:** 8/Yates Co. (62)  
**Quad Map:** MIDDLESEX (K-11-2)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)  
Suspected: Silt/Sediment  
Possible: - - -

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

Known: AGRICULTURE  
Suspected: - - -  
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 recreational uses in this portion of West River are known to experience impacts due to nutrient enrichment from agricultural and other nonpoint sources in the watershed.

A biological (macroinvertebrate) assessment of West River in Middlesex (at Valley View Road) was conducted in 2006. Sampling results indicated slightly impacted water quality conditions. Nonpoint source nutrient enrichment was identified as the likely cause of the impact. Previous sampling at this site in 2001 revealed conditions to be moderately impacted. Although aquatic life is supported in the stream and in spite of recent apparent improvement to slightly impacted, nutrient biotic evaluation indicates the level of eutrophication is sufficient to stress aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to/including unnamed trib (-16) in Middlesex. The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Naples Creek (-2) and Upper West River are listed separately.

# Naples Creek, Lower, and minor tribs (0704-0051)

Need Verific

## Waterbody Location Information

Revised: 08/09/2007

**Water Index No:** Ont 66-12-52..P286-18- 2  
**Hydro Unit Code:** 04140201/180      **Str Class:** C(TS)  
**Waterbody Type:** River  
**Waterbody Size:** 22.3 Miles  
**Seg Description:** stream and tribs, from mouth to Naples

**Drain Basin:** Oswego-Seneca-Oneida  
Seneca/Clyde Rivers  
**Reg/County:** 8/Ontario Co. (35)  
**Quad Map:** BRISTOL SPRINGS (K-11-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Possible

### Type of Pollutant(s)

Known: ---  
Suspected: NUTRIENTS, SILT/SEDIMENT  
Possible: ---

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

Known: ---  
Suspected: AGRICULTURE  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 1 (Waterbody Nominated, Problem Not Verified)  
**Lead Agency/Office:** DOW/BWAM  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

Aquatic life support in Naples Creek may experience minor impacts/threats due to nutrients and silt/sediment from nonpoint sources.

A biological (macroinvertebrate) assessment of Naples Creek in Naples (at Parish Road ) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions, however the impact likely reflects some habitat (impoundment) effect. A good diversity of macroinvertebrates was present, including mayflies, stoneflies and caddisflies. However many worms and scuds were also noted, reflecting high levels of silt and algae. Similar results were found during 1996 sampling, however that sample was assessed as within the range of non-impacted. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to Grimes Creek (-8) in Naples. The waters of this portion of the stream are Class C(TS). Tribs to this reach/segment are Class C. Grimes Creek (-8) and Upper Naples/Eelpot Creek are listed separately.

# Grimes Creek and tribs (0704-0002)

Need Verific

## Waterbody Location Information

Revised: 08/16/2007

**Water Index No:** Ont 66-12-52..P286-18- 2- 8      **Drain Basin:** Oswego-Seneca-Oneida  
**Hydro Unit Code:** 04140201/190      **Str Class:** AA(TS)      Seneca/Clyde Rivers  
**Waterbody Type:** River      **Reg/County:** 8/Ontario Co. (35)  
**Waterbody Size:** 23.9 Miles      **Quad Map:** NAPLES (K-11-4)  
**Seg Description:** entire stream and tribs

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Possible
Aesthetics	Stressed	Possible

### Type of Pollutant(s)

Known: ---  
Suspected: AESTHETICS, D.O./OXYGEN DEMAND, PATHOGENS, Nutrients  
Possible: ---

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

Known: ---  
Suspected: ON-SITE/SEPTIC SYST, OTHER SANITARY DISCH, Urban/Storm Runoff  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 1 (Waterbody Nominated, Problem Not Verified)  
**Lead Agency/Office:** DEC/DOW      **Resolution Potential:** Medium  
**TMDL/303d Status:** n/a

## Further Details

Aquatic life support and recreational uses in Grimes Creek may continue to experience impacts due to pollutants from storm sewers and inadequate on-site systems. Previous assessments of this creek indicated that failing onsite septic systems and other direct sanitary discharges to the creek impact recreational and other uses. Storm sewer discharges and other urban runoff in the Village of Naples were also noted as contributing to the impacts. Soil percolation rates in the village are too fast for subsurface disposal on a small lots to be appropriate. Naples is in the early stages of developing a proposal for sanitary sewers and a wastewater treatment system. Concerns had also been previously raised regarding the impact of the Widmer Winery discharge, however the discharge does not go to Grimes Creek (it discharges to a trib of Naples Creek) and the facility is in general compliance with its permit. (DEC/DOW, Region 8, August 2007)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS) from the mouth to the water supply intake and Class AA(TS) for the remainder of the reach. Tribs to this reach/segment are Class C,C(T).