



Lake Ontario/Wolcott Creek Watershed (0414010103)

Water Index Number	Waterbody Segment	Category
Ont (portion 13)	Lake Ontario Shoreline, Central (0302 0043)	Impaired Seg
Ont 80 thru 83 (selected)	Minor Tribs to Lake Ontario, Central (0302 0060)	UnAssessed
Ont 80/P89	Port Bay (0302 0012)	Impaired Seg
Ont 80/P89 1	Wolcott Creek and tribs (0302 0013)	MinorImpacts
Ont 80/P89 1 P92	Butler Center Mill Pond (0302 0061)	UnAssessed
Ont 82/P93	East Bay (0302 0011)	MinorImpacts
Ont 82/P93 ..	Beaver Creek and minor tribs (0302 0062)	UnAssessed
Ont 82/P93 2	Mudge Creek and tribs (0302 0010)	MinorImpacts

Lake Ontario Shoreline, Central (0302-0043)

Impaired Seg

Waterbody Location Information

Revised: 10/06/2004

Water Index No: Ont (portion 13) **Drain Basin:** Lake Ontario
Hydro Unit Code: 04140101/060 **Str Class:** A
Waterbody Type: G.Lakes **Reg/County:** 8/Wayne Co. (59)
Waterbody Size: 4.7 ShrMi **Quad Map:** FAIR HAVEN (H-14-4)
Seg Description: shoreline from Port Bay to Sodus Bay

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

Use(s) Impacted	Severity	Problem Documentation
FISH CONSUMPTION	Impaired	Known

Type of Pollutant(s)

Known: PRIORITY ORGANICS (PCBs), PRIORITY ORGANICS (dioxin), PESTICIDES (mirex)
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: TOX/CONTAM. SEDIMENT
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/EPA **Resolution Potential:** Medium
TMDL/303d Status: 2b (Multiple Segment/Categorical Water, Fish Consumption)

Further Details

Fish consumption in Lake Ontario, including this length of the lake shoreline, is impaired by contamination from the past/historic discharge of organics (PCBs, dioxin) and pesticides (mirex).

Fish consumption in Lake Ontario (and all tribs to the first impassable barrier) is impaired due to a NYS DOH health advisory that recommends eating no American eel, channel catfish, carp, larger lake trout (over 25 inches), larger brown trout (over 20 inches) and chinook salmon and eating no more than one meal per month of white sucker, rainbow trout, smaller lake trout, smaller brown trout and larger coho salmon (over 25 inches) because of elevated levels of PCBs, dioxin and mirex. The advisory also recommends eating no more than on meal per month of white perch for portions of the lake east of Point Breeze. The source of organics/pesticides is contaminated lake sediments, the result of past/historic industrial discharges to the lake, the Niagara River and the Upper Great Lakes. The advisory for this lake was first issued prior to 1998-99. (2006-07 NYS DOH Health Advisories and DEC/DFWMR, Habitat, December 2006).

The governments of the United States and Canada made a commitment in 1987, as part of the Great Lakes Water Quality Agreement (GLWQA), to develop a Lakewide Management Plan (LaMP) for each of the five Great Lakes. The Lake Ontario LaMP is a binational, cooperative effort that also involves a large number of local, statewide and federal

partners. The goals of the LaMP are to restore and protect the health of Lake Ontario by reducing chemical pollutants entering the lake and addressing the biological and physical factors impacting the lake. The LaMP evaluates use impairments, identifies sources of the identified impairments and recommends strategies for resolution of the impairments and restoration of beneficial uses.

An outline of the most recent Lake Ontario LaMP activities and progress can be found in the Lake Ontario Lakewide Management Plan Status 2006 Report (www.epa.gov/glnpo/lakeont/2006/index.html). The LaMP 2006 Status Report is the latest, comprehensive compilation of existing LaMP reports. The document contains new/updated information on the current status of beneficial use impairments, sources and loads of critical pollutants, public involvement and communication and significant ongoing and emerging issues. (DEC/DOW, BWAM/WQM, January 2007)

This length of Lake Ontario Shoreline is included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake is included on Part 2b of the List as a Fish Consumption Water.

This segment includes the portion of the Lake Ontario shoreline from the inlet of Port Bay near Desbrough Park to the inlet of Sodus Bay at Lake Bluff. The waters of this portion of the shoreline are Class A. Tribs to this reach/segment are listed separately.

Port Bay (0302-0012)

Impaired Seg

Waterbody Location Information

Revised: 05/18/2007

Water Index No: Ont 80/P89
Hydro Unit Code: 04140101/060 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 600.0 Acres
Seg Description: entire bay

Drain Basin: Lake Ontario
Reg/County: Irondequoit/Ninemile
Quad Map: 8/Wayne Co. (59)
NORTH WOLCOTT (H-13-3)

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

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Known
Fish Consumption	Stressed	Known
RECREATION	Impaired	Suspected

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH, NUTRIENTS (phosphorus)
Suspected: PATHOGENS, D.O./Oxygen Demand, Priority Organics (PCBs, dioxin), Pesticides (mirex)
Possible: - - -

Source(s) of Pollutant(s)

Known: AGRICULTURE
Suspected: MUNICIPAL (Wolcott WWTP), On-Site/Septic Syst, Other Source (migratory fish species), Tox/Contam. Sediment
Possible: Other Sanitary Disch

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: 3a->1

Further Details

Public bathing and recreational uses in Port Bay are thought to be impaired by elevated nutrient loadings and resulting algal blooms and excessive aquatic weed growth. The nutrient loads are thought to be the result of urban/stormwater runoff, residential development, agricultural activities and other nonpoint sources in the watershed. Fish consumption is also restricted as a result of a health advisory for Lake Ontario that extends to tribs up to the first impassable barrier.

Port Bay was sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) in 1990 and 1991. Sampling at that time supported the assessment that uses in the bay are impaired. (DEC/DOW, BWAM/Lake Services, August 2006)

Agricultural activity (manure spreading from poultry farms and other operations) in the basin is one suspected source of nutrient loadings. Nutrient loadings from the Wolcott WWTP is also a suspected source. Failing and/or inadequate onsite septic systems, as well as other sanitary discharges, from shoreline residences are possible sources of nutrients

and pathogens. (Wayne County WQCC, 2005)

Fish consumption advisories for Lake Ontario (and all tribs to the first barrier) also applies to this tributary water. A NYSDOH health advisory recommends eating no American eel, channel catfish, carp, chinook salmon, larger lake trout (over 25") or larger brown trout (over 20"). The advisory also recommends that consumption of white sucker, rainbow trout, smaller lake and brown trout, and larger coho salmon (over 25") be limited to no more than one meal per month. White perch is limited to one meal per month East of Point Breeze, and eat none west of the point. The fish consumption advisories are a result of PCB, mirex and dioxin contamination of lake sediments. The advisory for this lake was first issued prior to 1998-99. (2006-07 NYS DOH Health Advisories and DEC/DFWMR, Habitat, December 2006).

Port Bay is included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake is currently included on Part 3a of the List as a Water Requiring Verification of Impairment, however this updated assessment suggests that the suspected impairments are confirmed and that the lake be moved to Part 1 of the List as Waterbody Requiring TMDL Development (or other strategy to attain water quality standards).

Wolcott Creek and tribs (0302-0013)

MinorImpacts

Waterbody Location Information

Revised: 05/04/2007

Water Index No: Ont 80/P89- 1
Hydro Unit Code: 04140101/060 **Str Class:** C
Waterbody Type: River
Waterbody Size: 45.5 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Ontario
Reg/County: Irondequoit/Ninemile
Quad Map: 8/Wayne Co. (59)
NORTH WOLCOTT (H-13-3)

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: D.O./OXYGEN DEMAND, 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 **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support and recreational uses in Wolcott Creek are known to experience minor impacts due to nutrient loadings from nonpoint agricultural activity in the watershed.

A biological (macroinvertebrate) assessment of Wolcott Creek in Furnace Village (at Route 161) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. Impact Source Determination indicated nonpoint sources and toxics to be the primary stressors of the stream. Slow current speeds in this small stream also likely influence the sample results. Although aquatic life is supported in the stream, nutrient biotic evaluation indicates the level of eutrophication is sufficient to stress aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

Manure spreading and other activities at large agricultural operations in this watershed are considered likely sources of nutrients to the stream. Large dairy and chicken farms are located in the watershed. Previous water quality monitoring of the stream by the Wayne County SWCD found high loadings of nutrients.

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. Port Bay is listed separately.

East Bay (0302-0011)

MinorImpacts

Waterbody Location Information

Revised: 06/25/2007

Water Index No:	Ont 82/P93	Drain Basin:	Lake Ontario
Hydro Unit Code:	04140101/060	Str Class:	B
Waterbody Type:	Lake	Reg/County:	8/Wayne Co. (59)
Waterbody Size:	200.0 Acres	Quad Map:	SODUS POINT (H-13-4)
Seg Description:	entire bay		

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

Use(s) Impacted	Severity	Problem Documentation
Fish Consumption	Stressed	Known

Type of Pollutant(s)

Known: PRIORITY ORGANICS (PCBs, dioxin), PESTICIDES (mirex)
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: OTHER SOURCE (migratory fish species)
Possible: ---

Resolution/Management Information

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

Further Details

Fish consumption is restricted as a result of a health advisory for Lake Ontario that extends to tribs up to the first impassable barrier.

Fish consumption advisories for Lake Ontario (and all tribs to the first barrier) also applies to this tributary water. A NYSDOH health advisory recommends eating no American eel, channel catfish, carp, chinook salmon, larger lake trout (over 25") or larger brown trout (over 20"). The advisory also recommends that consumption of white sucker, rainbow trout, smaller lake and brown trout, and larger coho salmon (over 25") be limited to no more than one meal per month. White perch is limited to one meal per month East of Point Breeze, and eat none west of the point. The fish consumption advisories are a result of PCB, mirex and dioxin contamination of lake sediments. (2006-07 NYS-DOH Health Advisories)

Mudge Creek and tribs (0302-0010)

MinorImpacts

Waterbody Location Information

Revised: / /

Water Index No: Ont 82/P93- 2	Drain Basin: Lake Ontario
Hydro Unit Code: 04140101/060	Str Class: C
Waterbody Type: River	Reg/County: 8/Wayne Co. (59)
Waterbody Size: 16.9 Miles	Quad Map: SODUS POINT (H-13-4)
Seg Description: entire stream and tribs	

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

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

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: NUTRIENTS, D.O./Oxygen Demand, Thermal Changes

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: ()	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	Resolution Potential: n/a
TMDL/303d Status: n/a	

Further Details

Aquatic life support in Mudge Creek may experience impacts due to excessive nutrient loads and resulting low dissolved oxygen. Nonpoint sources, including agricultural activities, are the suspected sources of the impacts.

Previously, it was reported that elevated nutrient loading, low oxygen demand and high stream temperatures limit the year-round support of trout in this cold water stream. The creek had been stocked, but stocking has been discontinued. Algae and grey sewer fungus has been noted in Mill Pond in North Huron. Poultry operations in the surrounding watershed that land spread chicken manure at high rates are a suspected source of the nutrient loading. (DEC/DOW, Region 7, 2000) This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment are also Class C,C(T).