



Lake Ontario/Grindstone Creek Watershed (0414010208)

Water Index Number	Waterbody Segment	Category
Ont (portion 8)	Lake Ontario Shoreline, Eastern (0303 0031)	Impaired Seg
Ont 54	Grindstone Creek and minor tribs (0303 0081)	NoKnownImpct
Ont 54	North Branch Grindstone Creek and tribs (0303 0082)	UnAssessed
Ont 54 2	Little Grindstone Creek and tribs (0303 0083)	UnAssessed
Ont 54 4	South Branch Grindstone Creek and tribs (0303 0084)	UnAssessed
Ont 54 10 P31a	Moshier Pond (0303 0085)	UnAssessed
Ont 55	Snake Creek and tribs (0303 0086)	UnAssessed
Ont 57	Sage Creek and tribs (0303 0087)	UnAssessed

Lake Ontario Shoreline, Eastern (0303-0031)

Impaired Seg

Waterbody Location Information

Revised: 10/06/2004

Water Index No: Ont (portion 8) **Drain Basin:** Lake Ontario
Hydro Unit Code: 04140102/ **Str Class:** A Sandy Creek
Waterbody Type: G.Lakes **Reg/County:** 7/Oswego Co. (38)
Waterbody Size: 5.1 ShrMi **Quad Map:** PULASKI (G-16-4)
Seg Description: shoreline from Selkirk to Texas

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 mouth of the Salmon River in Selkirk to the mouth of the Little Salmon River in Texas. The waters of this portion of the shoreline are Class A. Tribes to this reach/segment are listed separately.

Grindstone Creek and minor tribs (0303-0081)

NoKnownImpct

Waterbody Location Information

Revised: 04/13/2007

Water Index No: Ont 54
Hydro Unit Code: 04140102/030 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 10.2 Miles
Seg Description: entire stream and select tribs

Drain Basin: Lake Ontario
Reg/County: 7/Oswego Co. (38)
Quad Map: PULASKI (G-16-4)

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:** n/a
TMDL/303d Status: n/a

Further Details

A biological (macroinvertebrate) assessment of Grindstone Creek in Daysville Center (at Route 3) was conducted in 2001. Sampling results indicated non-impacted water quality conditions. Clean-water mayflies, stoneflies and caddisflies were well-represented. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and select/smaller tribs from the mouth to South Branch Grindstone Creek (-4) in Fernwood, where the stream becomes North Branch Grindstone Creek. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment are Class C. Little Grindstone Creek (-2), South Branch Grindstone Creek (-4) and North Branch Grindstone Creek are listed separately.