



Lake Ontario/Kents Creek Watershed (0415010201)

| Water Index Number | Waterbody Segment | Category |
|-------------------------|---|--------------|
| Ont (Island Tribs) | Tribes of Lake Ontario, Grenadier Isl (0303 0033) | UnAssessed |
| Ont (portion 1) | Lake Ontario Shoreline, Eastern (0303 0023) | Impaired Seg |
| Ont 1 | Mud/Kents Creek and tribs (0303 0034) | UnAssessed |
| Ont 1 thru 7 (selected) | Minor Tribs to Lake Ontario (0303 0035) | UnAssessed |
| Ont 6 | Three Mile Creek and tribs (0303 0036) | UnAssessed |

Lake Ontario Shoreline, Eastern (0303-0023)

Impaired Seg

Waterbody Location Information

Revised: 10/06/2004

| | | | |
|-------------------------|--|---------------------|-----------------------------|
| Water Index No: | Ont (portion 1) | Drain Basin: | Lake Ontario |
| Hydro Unit Code: | 04150102/ | Str Class: | A |
| Waterbody Type: | G.Lakes | Reg/County: | 6/Jefferson Co. (23) |
| Waterbody Size: | 27.4 ShrMi | Quad Map: | CAPE VINCENT SOUTH (E-15-3) |
| Seg Description: | shoreline from Tibbetts Point to Point Peninsula | | |

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 tribes 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 one 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 Tibbetts point at the mouth of the Saint Lawrence River to Point Peninsula at the southern most tip of the peninsula. The waters of this portion of the shoreline are Class A. Tribes to this reach/segment are listed separately.