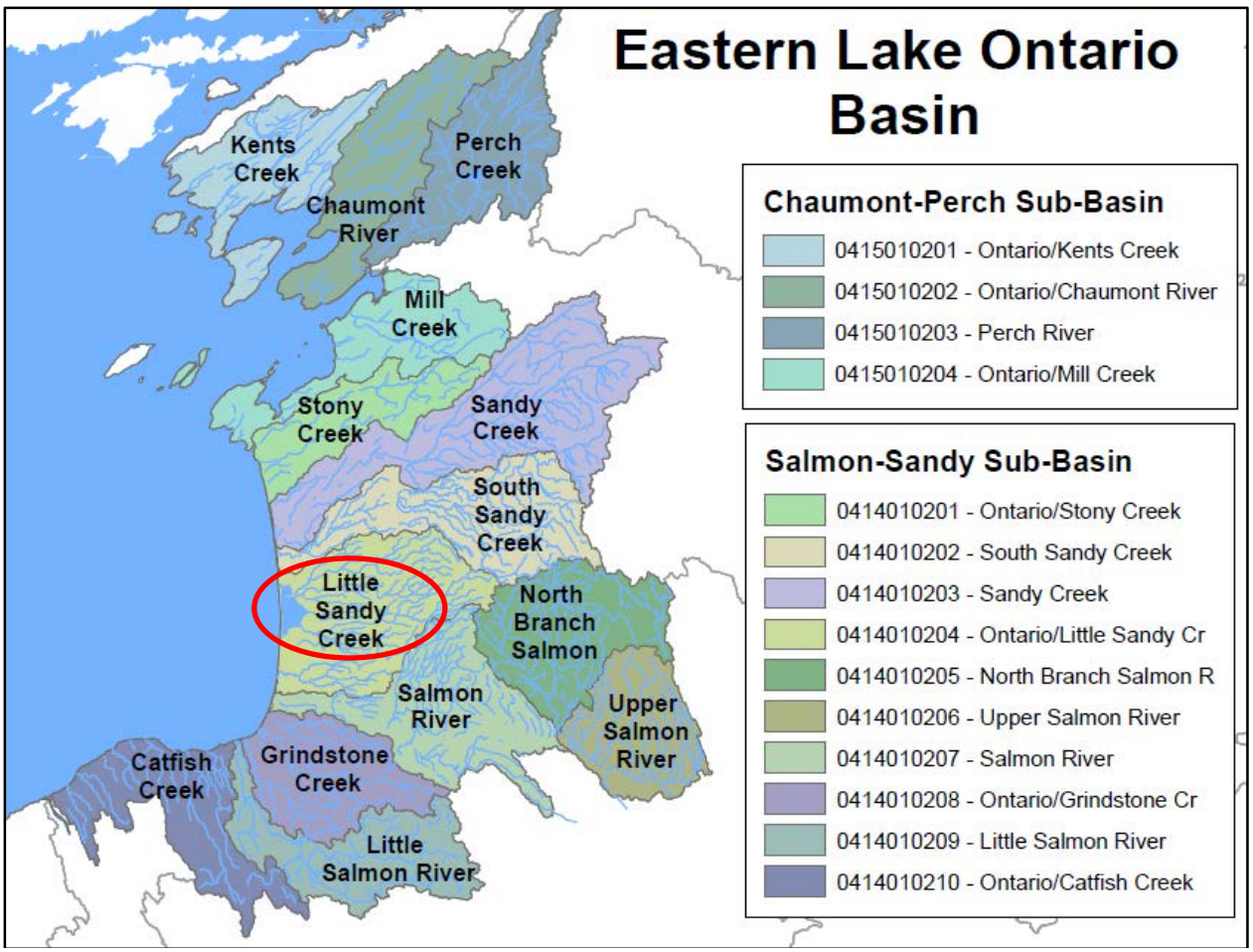

Lake Ontario/Little Sandy Creek Watershed
(0414010204)

Water Index Number	Waterbody Segment	Category
Ont (portion 7)	Lake Ontario Shoreline, Eastern (0303 0030)	Impaired Seg
Ont 46a P1040	Cranberry Pond (0303 0059)	UnAssessed
Ont 46b P1041	North Pond (0303 0002)	Need Verific
Ont 47	Skinner Creek, Lower, and tribs (0303 0060)	UnAssessed
Ont 47	Skinner Creek, Middle, and tribs (0303 0061)	UnAssessed
Ont 47	Skinner Creek, Upper, and tribs (0303 0062)	UnAssessed
Ont 48	Lindsey Creek and tribs (0303 0063)	NoKnownImpct
Ont 50	Little Sandy Creek, Lower, and tribs (0303 0013)	NoKnownImpct
Ont 50	Little Sandy Creek, Upper, and tribs (0303 0064)	NoKnownImpct
Ont 51 P1	South Pond (0303 0065)	MinorImpacts
Ont 52	Deer Creek/Little Deer Creek and tribs (0303 0066)	UnAssessed

Lake Ontario Shoreline, Eastern (0303-0030) Impaired Seg

Waterbody Location Information

Revised: 10/06/2004

Water Index No: Ont (portion 7)
Hydro Unit Code: 04140102/ **Str Class:** A
Waterbody Type: G.Lakes
Waterbody Size: 8.3 ShrMi
Seg Description: shoreline from Montario Point to Selkirk

Drain Basin: Lake Ontario
Sandy Creek
Reg/County: 7/Oswego Co. (38)
Quad Map: ELLISBURG (G-16-1)

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.ht ml). 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 a point marked by the extension of Clark Road at Montario Point to the mouth of the Salmon River in Selkirk. The waters of this portion of the shoreline are Class A. Tribs to this reach/segment are listed separately.

North Pond (0303-0002) Needs Verification

Waterbody Location Information

Revised: 09/19/2016

Water Index No: Ont 46b-P1041
Hydro Unit Code: Little Sandy Cr-Frontal Lk Ontario (0414010204)
Water Type/Size: Lake/Reservoir 2405.2 Acres
Description: entire lake
Water Class: B
Drainage Basin: Lake Ontario
Reg/County: 6/Jefferson (23)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	Stressed	Suspected
Recreation	Impaired	Unconfirmed
Aquatic Life	Unassessed	-
Fish Consumption	Stressed	Known
Conditions Evaluated		
Habitat/Hydrology	Fair	
Aesthetics	Unassessed	

Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known: Pesticides (mirex), Priority Organics (PCBs, dioxin)
Suspected: Algal/Plant Growth
Unconfirmed: Nutrients (phosphorus)

Source(s) of Pollutant(s)

Known:
Suspected: Other Source
Unconfirmed: Habitat Alteration, On-Site/Septic Syst

Management Information

Management Status: Assessment/Reassessment Scheduled
Lead Agency/Office: DEC/DOW
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview
North Pond is assessed as needing verification of impacts that may rise to the level of impairment due to recreational uses that are are stressed and may be impaired by nutrient loads and result algal blooms and plant growth in the shallow waters. Residential onsite wastewater treatment (septic) systems aand agricultural and other nonpoint sources are suspected source of the nutrients. 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.

Use Assessment
North Pond is a Class B waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply.

Recreation use and public bathing are considered to have impacts that may rise to the level of impairment due to elevated nutrients (phosphorus), excessive algae, poor water clarity, and shoreline harmful algal blooms. Additional bacteriological sampling is needed to more fully evaluate the impact of pathogen levels on public bathing (swimming) use. (DEC/DOW, BWAM/LMAS, July 2016)

On–site septic systems to serve these developments are considered to be possible sources of nutrients that contribute to the aquatic weed growth in the pond. . (DEC/DOW, Region 6, 1996)

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)

Water Quality Information

Preliminary results fron NYSDEC Lake Classification and Inventory (LCI) Program monitoring indicate conditions that are expected to reflect impacts to recreational use that may rise to the level of impairment. High chlorophyll levels, elevated nutrient concentrations and limited water clarity were noted. Occurences of harmfuls algal blooms (HABs) has also been reported. (DEC/DOW, BWAM/LMAS, September 2016)

Source Assessment

Specific sources of pollutants to the waterbody have not been definitively identified, but nonpoint sources and impacts from failing and or inadequate onsite wastewater (septic) systems are suspected of contributing to the water quality impacts in both Little Sandy Creek and North Pond. Development of the shoreline, including the filling of wetlands for housing and recreational facilities have been reported previously. (DEC/DOW, Region 7, September 2016)

.

Management Actions

Water quality management actions have been limited. Mechanical harvesting has been used to remove some areas of dense aquatic vegetation. The Village of Sandy Creek has proposed building a sewage treatment facility to serve Sandy Creek and Lacona.

Section 303(d) Listing

North Pond is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are impacts that might rise to the level of impairment that would justify the listing of this waterbody. This waterbody might be appropriate for addition to the List in the future. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the total area of the entire pond.

Lindsey Creek and tribs (0303-0063) NoKnownImpct

Waterbody Location Information

Revised: 05/04/2007

Water Index No: Ont 48
Hydro Unit Code: 04140102/070 **Str Class:** C
Waterbody Type: River
Waterbody Size: 47.5 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Ontario
Salmon R/Sandy Cr
Reg/County: 6/Jefferson Co. (23)
Quad Map: ELLISBURG (G-16-1)

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 Lindsey Creek in The Elms (at Weaver Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The fauna was dominated by algal-scraping riffle beetles and filter-feeding caddisflies, indicating nonpoint source nutrient enrichment. However, nutrient biotic evaluation determined these effects on the fauna to be fairly minor. Aquatic life support is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(TS). Tribs to this reach/segment, including South Branch (-2) and Jacobs Brook (-3), are also/primarily Class C,C(T),C(TS).

Little Sandy Creek, Lower, and tribs (0303-0013) NoKnownImpct

Waterbody Location Information

Revised: 04/13/2007

Water Index No: Ont 50
Hydro Unit Code: 04140102/070 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 32.1 Miles
Seg Description: stream and tribs, from mouth to Lacona

Drain Basin: Lake Ontario
Salmon R/Sandy Cr
Reg/County: 7/Oswego Co. (38)
Quad Map: ELLISBURG (G-16-1)

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 Little Sandy Creek in Sandy Pond Corners (at Route 3) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The fauna was dominated by algal-scraping riffle beetles and filter-feeding caddisflies, indicating nonpoint source nutrient enrichment. Previous sampling conducted in 1997 at sites in and below the hamlet of Sandy Creek revealed non-impacted conditions. The samples contained numerous pollution-sensitive stoneflies. Like the downstream site, 1997 sampling indicated possible nutrient and/or organic inputs but in spite of these minor effects, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to unnamed pond (P1050a) near Lacona. The waters of this portion of the stream are Class C(T),C(TS). Tribs to this reach/segment are Class C. Upper Little Sandy Creek is listed separately.

Little Sandy Creek, Upper, and tribs (0303-0064) NoKnownImpct

Waterbody Location Information

Revised: 04/13/2007

Water Index No: Ont 50
Hydro Unit Code: 04140102/070 **Str Class:** A(TS)
Waterbody Type: River
Waterbody Size: 37.4 Miles
Seg Description: stream and tribs, above Lacona

Drain Basin: Lake Ontario
Salmon R/Sandy Cr
Reg/County: 7/Oswego Co. (38)
Quad Map: SANDY CREEK (G-16-2)

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 Little Sandy Creek in Lacona (at Route 22) was conducted in 1997. Sampling results indicated non-impacted water quality conditions. The samples contained numerous pollution-sensitive stoneflies. Possible nutrient and/or organic inputs were indicated but these were considered minor and in spite of these effects aquatic life is considered to be fully supported in the stream and there are no other apparent water quality impacts. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs above unnamed pond (P1050a) near Lacona. The waters of this portion of the stream are Class A(TS). Tribs to this reach/segment are Class A(TS) and C(TS). Lower Little Sandy Creek is listed separately.

South Pond (0303-0065) MinorImpacts

Waterbody Location Information

Revised: 06/25/2007

Water Index No: Ont 51-P1
Hydro Unit Code: 04140102/070 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 300.7 Acres
Seg Description: entire lake

Drain Basin: Lake Ontario
Salmon R/Sandy Cr
Reg/County: 7/Oswego Co. (38)
Quad Map: ELLISBURG (G-16-1)

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)