



East Branch Saint Regis River Watershed (0415030601)

Water Index Number

SL(C)-32-52
 SL(C)-32-52-15-P177,P178
 SL(C)-32-52-P179a
 SL(C)-32-52-P179a..P182 thru P192
 SL(C)-32-52-P179a..P193
 SL(C)-32-52-P179a..P195,P198,P201
 SL(C)-32-52-P179a..P202
 SL(C)-32-52-P179a..P203,P205
 SL(C)-32-52-P179a..P206

Waterbody

[East Br.St.Regis and tribs \(0902-0143\)](#)
 Wolf Pond, Rice Lake (0902-0144)
[Meacham Lake \(0902-0039\)](#)
 S.Star Mt, Baker, McColloms Pds, more (0902-0145)
 Chain Lake (0902-0146)
 Clear, Mountain, Beaver Valley Ponds (0902-0147)
[Osgood Pond \(0902-0148\)](#)
 Church Pond, Cooler Pond (0902-0149)
[Jones Pond \(0902-0150\)](#)

Category

NoKnownImpct
 UnAssessed
 Impaired Seg
 UnAssessed
 UnAssessed
 UnAssessed
 Impaired Seg
 UnAssessed
 NoKnownImpct

East Br.St.Regis and tribs (0902-0143)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No:	SL(C)-32-52	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150306/020	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	147.3 Miles	Quad Map:	SANTA CLARA (C-23-1)
Seg Description:	entire stream and tribs		

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

Water Quality Sampling

A biological (macroinvertebrate) assessment of the East Branch, St. Regis River at Santa Clara (at Everton Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The site was host to a diversity of macroinvertebrate fauna. The nutrient biotic index suggested oligotrophic conditions. Impact source determination identified the community as natural. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Pleasant Brook (-5), Bristle Brook (-6), Little Cold Brook (-8), Big Cold Brook (-9), Clear/Chap Brook (-13) and Rice Brook (-15), are also Class C,C(T).

Meacham Lake (0902-0039)

Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No:	SL(C)-32-52-P179a	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150306/020	Str Class:	N
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	1170.1 Acres	Quad Map:	MEACHAM LAKE (C-23-3)
Seg Description:	entire lake		

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: METALS (mercury)
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: ATMOSPHERIC DEPOSITION
Possible: Tox/Contam. Sediment

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:	4a (TMDL Complete, Being Implemented, Not Listed)	

Further Details

Overview

Fish consumption in Meacham Lake is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption

Fish consumption in Meacham Lake is impaired due to a NYSDOH health advisory that recommends eating no larger yellow perch (over 12 inches) and no more than one meal per month of smaller yellow perch because of elevated mercury levels. The source of mercury is considered to be atmospheric deposition, as there are not other apparent sources in the lake watershed. The advisory for this lake was first issued in 2006-07. (2006-07 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

Total Maximum Daily Load

In 2007, The New England Interstate Water Pollution Control Commission (NEIWPC), on behalf of its member states including New York, submitted and USEPA approved a TMDL to address mercury deposition in lakes throughout the Northeastern United States, including Meacham Lake. The Northeast Regional Mercury TMDL notes that between 1998 and 2002 the Northeast states reduced in-region deposition of mercury by more than 70 percent. In addition these state have enforceable controls in place to meet the remaining reduction goals. Despite these reductions water quality impairment due to

mercury still exists and elevated mercury levels in certain fish species remain a great concern. The TMDL shows the demonstrates that the need for significant reductions in the mercury reaching waters of the Northeast from sources outside the region by way of atmospheric deposition is essential to restoring these waters. (Northeast Regional Mercury TMDL, NEIWPC, 2007)

Section 303(d) Listing

Meacham Lake was included on the NYS 2006 Section 303(d) List of Impaired Waters, but is not included on the 2008 List. The lake was delisted in 2008 due to the completion of the Northeast Regional Mercury TMDL which was approved in 2007. (DEC/DOW, BWAM, December 2008)

Osgood Pond (0902-0148)

Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No:	SL(C)-32-52-P179a..P202	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150306/020	Str Class:	AA
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	511.5 Acres	Quad Map:	BLOOMINGDALE (D-24-A)
Seg Description:	entire lake		

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: METALS (mercury)
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: ATMOSPHERIC DEPOSITION
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->4a	

Further Details

Overview

Fish consumption in Osgood Pond is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption

Fish consumption in Osgood Pond is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of smallmouth bass because of elevated mercury levels. The source of mercury is considered to be atmospheric deposition, as there are not other apparent sources in the lake watershed. The advisory for this lake was first issued in 2006-07. (2006-07 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

Section 303(d) Listing

Osgood Pond is included on the NYS 2008 Section 303(d) List of Impaired Waters. The lake is included on Part 2b of the List as a Fish Consumption Water due to the health advisory related to mercury levels. However the Northeast Regional Mercury TMDL which was approved in 2007 provides coverage for waters that are subsequently identified as being impaired by mercury from atmospheric deposition. As a result, NYSDEC anticipates delisting this waterbody when the 2010 Section 303(d) List is issued because of coverage under this TMDL. (DEC/DOW, BWAM, December 2008)

Jones Pond (0902-0150)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-32-52-P179a..P206	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150306/020	Str Class:	B
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	141.5 Acres	Quad Map:	BLOOMINGDALE (D-24-A)
Seg Description:	entire lake		

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

Water Quality Sampling

Monitoring of Jones Pond was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational at the time. Because the data is limited to single samples and collected more than 20 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)