

# Waterbody Inventory for Raquette River Watershed

Water Index Number	Waterbody Segment	Category
<b>Lower Raquette River Watershed</b>		
SL- 1 (portion 1)	Raquette River, Lower, and minor tribs (0903-0059)	<b>Impaired Seg</b>
SL- 1- 2	Squeak Creek and tribs (0903-0082)	<b>NoKnownImpct</b>
SL- 1- 6	Plum Brook and tribs (0903-0083)	UnAssessed
SL- 1- 9	Trout Brook and tribs (0903-0084)	<b>NoKnownImpct</b>
SL- 1- 20	Parkhurst Brook and tribs (0903-0058)	<b>MinorImpacts</b>
<b>Middle Raquette River Watershed</b>		
SL- 1 (portion 2)	Raquette River, Middle, and tribs (0903-0064)	<b>NoKnownImpct</b>
SL- 1 (portion 3)/P5b	Hannawa Falls Reservoir (0903-0065)	<b>NoKnownImpct</b>
SL- 1 (portion 4)	Raquette River, Middle, and tribs (0903-0066)	<b>NoKnownImpct</b>
SL- 1 (portion 5a)/P6c	Colton Reservoir (0903-0067)	<b>NoKnownImpct</b>
SL- 1 (portion 5b)/P7	Higley Falls Reservoir (0903-0068)	UnAssessed
SL- 1 (portion 5c)/P17a	South Colton Reservoir (0903-0069)	<b>NoKnownImpct</b>
SL- 1 (portion 5d)/P21a	Five Falls Reservoir (0903-0070)	<b>NoKnownImpct</b>
SL- 1 (portion 5e)/P22a	Rainbow Falls Reservoir (0903-0071)	UnAssessed
SL- 1 (portion 5f)/P29a	Blake Falls Reservoir (0903-0072)	UnAssessed
SL- 1 (portion 6a)/P35b	Stark Falls Reservoir (0903-0073)	UnAssessed
SL- 1- 24	Stafford Brook and tribs (0903-0085)	UnAssessed
SL- 1- 26	O'Malley Brook and tribs (0903-0086)	UnAssessed
SL- 1- 26-P6	Close Pond (0903-0087)	<b>NoKnownImpct</b>
SL- 1- 27 thru 48	Minor Tribs to Middle Raquette River (0903-0088)	UnAssessed
SL- 1- 28c-P8	Green Pond (0903-0089)	UnAssessed
SL- 1- 28d-P11	Arbuckle Pond (0903-0090)	<b>NoKnownImpct</b>
SL- 1- 33	Cold Brook and tribs (0903-0091)	UnAssessed
SL- 1- 33- 1- 4-P13	French Lake (0903-0092)	UnAssessed
SL- 1- 33- 5- 1- P14	Barney Pond (0903-0093)	<b>NoKnownImpct</b>
SL- 1- 35-P18	Rock Pond (0903-0094)	<b>NoKnownImpct</b>
SL- 1- 40-P23	Ormsbee/Round Pond (0903-0095)	<b>NoKnownImpct</b>
SL- 1- 43-P25,P26	Lilypad Pond, Long Pond (0903-0096)	UnAssessed
SL- 1- 43-P29	Sterling Pond (0903-0097)	<b>NoKnownImpct</b>
SL- 1- 46-P31	Joe Indian Pond (0903-0060)	<b>Impaired Seg</b>
SL- 1- 46-P31- 6	Joe Indian Inlet and tribs (0903-0098)	UnAssessed
SL- 1- 46-P31- 6..P33,P34,P35	Kildare Pd, Thirtyfive Pd, Whitney Pd (0903-0099)	<b>NoKnownImpct</b>
SL- 1- 46-P31- 6..P35a	Kettle Pond (0903-0100)	UnAssessed
<b>Carry Falls Reservoir/Middle Raquette River Watershed</b>		
SL- 1 (portion 6b)/P35c	Carry Falls Reservoir (0903-0055)	<b>Impaired Seg</b>
SL- 1 (portion 7)	Raquette River, Middle, and tribs (0903-0074)	<b>NoKnownImpct</b>

# ...Raquette River Watershed

Water Index Number	Waterbody Segment	Category
<b>Carry Falls Reservoir/Middle Raquette River Watershed (con't)</b>		
SL- 1 (portion 8)/P85	Piercefield Flow (0903-0075)	NoKnownImpct
SL- 1- 49 thru 76	Minor Tribs to Middle Raquette River (0903-0101)	UnAssessed
SL- 1- 58..P39,P40	McCuen Pond, Buck Pond, more (0903-0102)	UnAssessed
SL- 1- 58..P41	Amber Lake (0903-0103)	NoKnownImpct
SL- 1- 65	Jordan River and tribs (0903-0104)	UnAssessed
SL- 1- 65-26-P54	Willis Pond (0903-0105)	UnAssessed
SL- 1- 65-P46,P47	Jordan Lake, Little Jordan Lake (0903-0106)	UnAssessed
SL- 1- 65..P48 thru P57a (selected)	Minor Lakes Trib to Jordan River (0903-0107)	Need Verific
SL- 1- 69-P61	Lone Pond (0903-0108)	UnAssessed
SL- 1- 74-P62,P63	Leonard Pond, Crooked Lake, more (0903-0109)	UnAssessed
SL- 1- 77-P66	Chandler Pond, more (0903-0110)	UnAssessed
SL- 1- 93-P70	Windfall Pond (0903-0111)	NoKnownImpct
SL- 1-105a-P78,P78a	Marsh Ponds (0903-0112)	UnAssessed
SL- 1-109- 4	Trib to Upper Dead Creek and tribs (0903-0113)	NoKnownImpct
SL- 1-109- 4- 1-P80	Eagle Crag Lake, more (0903-0114)	Need Verific
SL- 1-109- 4-P83	Mount Arab Lake (0903-0115)	UnAssessed
SL- 1-109-P84	Pine Pond (0903-0116)	UnAssessed
<b>Raquette Pond/Tupper Lake Watershed</b>		
SL- 1 (portion 9)/P109	Tupper Lake (0903-0076)	Impaired Seg
SL- 1-P 85- 1-P87	Gull Pond (0903-0061)	NoKnownImpct
SL- 1-P 89- 1- 2- 4-P91	Clear/Woodbury Pond (0903-0117)	UnAssessed
SL- 1-P 89- 1- 2-P93	Lead Pond, more (0903-0118)	UnAssessed
SL- 1-P 89- 1-P95	Little Wolf Pond (0903-0044)	Need Verific
SL- 1-P 89- 1-P95- 1- 1-P96	Haymeadow Pond (0903-0119)	UnAssessed
SL- 1-P 89- 1-P95- 1-P97	Wolf Pond (0903-0120)	UnAssessed
SL- 1-P 89- 1-P95- 1-P97- 6-P104	Heavens Pond, more (0903-0121)	UnAssessed
SL- 1-P 89- 1-P95- 1-P97-P101,P102	North and South Spectacle Ponds (0903-0122)	NoKnownImpct
SL- 1-P109-	Minor Tribs to Tupper Lake (0903-0123)	UnAssessed
SL- 1-P109- 1a-P110	Tupper Lake Reservoir (0903-0124)	UnAssessed
SL- 1-P109- 9-P112	Jenkins Pond/Lake Madeliene (0903-0125)	UnAssessed
SL- 1-P109- 9-P112- 6-P113	Long Pond/Heavens Lake (0903-0126)	UnAssessed
SL- 1-P109- 9-P112- 7-P114	Saint Hubert Pond (0903-0127)	UnAssessed
<b>Bog River/Little Tupper Lake Watershed</b>		
SL- 1-P109-11	Bog River and tribs (0903-0128)	NoKnownImpct
SL- 1-P109-11- 2- 4- 1-P116	Lost Pond (0903-0057)	Impaired Seg
SL- 1-P109-11- 2- 4-P117	Bear Pond (0903-0129)	NoKnownImpct
SL- 1-P109-11- 2-P118	Round Lake (0903-0130)	NoKnownImpct
SL- 1-P109-11- 2-P120	Little Tupper Lake (0903-0131)	UnAssessed
SL- 1-P109-11- 2-P120-	Minor Tribs to Little Tupper Lake (0903-0216)	UnAssessed
SL- 1-P109-11- 2-P120- 2	Bog Stream and tribs (0903-0215)	Need Verific
SL- 1-P109-11- 2-P120- 2- 4-P123	Handsome Pond (0903-0132)	NoKnownImpct
SL- 1-P109-11- 2-P120- 2-P125	Sperry Pond (0903-0133)	NoKnownImpct

# ...Raquette River Watershed

Water Index Number	Waterbody Segment	Category
<b>Bog River/Little Tupper Lake Watershed (con't)</b>		
SL- 1-P109-11- 2-P120..P126 to 128	Antdeluvian Pond, Doctors Pons, Bum Pond (0903-0134)	UnAssessed
SL- 1-P109-11- 2-P120..P129	Rock Pond (0903-0003)	<b>Impaired Seg</b>
SL- 1-P109-11- 2-P120..P130	Little Moose Pond (0903-0135)	UnAssessed
SL- 1-P109-11- 2-P120..P131	Bottle Pond (0903-0136)	UnAssessed
SL- 1-P109-11- 2-P120..P132	Flatfish Pond (0903-0137)	UnAssessed
SL- 1-P109-11- 2-P120..P133	Louie Pond (0903-0138)	UnAssessed
SL- 1-P109-11- 2-P120..P134	Charley Pond (0903-0139)	<b>NoKnownImpct</b>
SL- 1-P109-11- 2-P120..P135 to 138	East Charley, Bettner Ponds (0903-0140)	<b>NoKnownImpct</b>
SL- 1-P109-11- 2-P120..P139 to 142	Otter Pond, Loon Pond, more (0903-0141)	UnAssessed
SL- 1-P109-11- 6-P143	Horseshoe Lake (0903-0142)	<b>NoKnownImpct</b>
SL- 1-P109-11- 7..P152,P152	Hornet Ponds (0903-0143)	UnAssessed
SL- 1-P109-11- 9-P154	Long Pond (0903-0144)	UnAssessed
SL- 1-P109-11-P144	Hitchins Pond (0903-0145)	UnAssessed
SL- 1-P109-11-P144- 1-P145	Little Trout Pond (0903-0146)	UnAssessed
SL- 1-P109-11-P144- 1-P145..P146	Trout Pond (0903-0147)	UnAssessed
SL- 1-P109-11-P144- 1-P145..P147	High Pond (0903-0001)	<b>Impaired Seg</b>
SL- 1-P109-11-P144- 2- 2- 1-P148	Little Pine Pond (0903-0028)	<b>Impaired Seg</b>
SL- 1-P109-11-P156, P168	Bog River Flow (0903-0151)	UnAssessed
SL- 1-P109-11-P156..P160 to P162	Spruce Grouse, Spring, Graves Ponds (0903-0041)	<b>Impaired Seg</b>
SL- 1-P109-11-P156..P163,P164	Otter Pond, Iron Pond (0903-0148)	UnAssessed
SL- 1-P109-11-P156..P165	Marian Lake (0903-0149)	UnAssessed
SL- 1-P109-11-P156..P165..P166,167	Triangle Pond, Panther Pond (0903-0150)	UnAssessed
SL- 1-P109-11-P156..P168..P170	Halfmoon Pond (0903-0032)	<b>Impaired Seg</b>
SL- 1-P109-11-P156..P168..P171,172	Tamarack Pond, High Pond (0903-0025)	<b>Impaired Seg</b>
SL- 1-P109-11-P156..P168..P174	Silver Leaf Pond (0903-0152)	UnAssessed
SL- 1-P109-11-P156..P168..P176	Clear Pond (0903-0153)	<b>NoKnownImpct</b>
<b>Raquette Pond/Tupper Lake Watershed (western shore tribs)</b>		
SL- 1-P109-15-P178	Bridge Brook Pond (0903-0154)	<b>NoKnownImpct</b>
SL- 1-P109-15-P178- 1-P179	Black Pond (West) (0903-0027)	<b>Impaired Seg</b>
SL- 1-P109-P180	Simon Pond (0903-0155)	UnAssessed
SL- 1-P109-P180-	Minor Tribs to Simon Pond (0903-0156)	UnAssessed
SL- 1-P109-P180- 4- 1- 3-P181	McBride Pond (0903-0157)	UnAssessed
SL- 1-P109-P180- 4-P182	Little Simon Pond (0903-0158)	UnAssessed
<b>Upper Raquette River Watershed, Tupper Lake to Long Lake</b>		
SL- 1 (portion 10)	Raquette River, Upper, and minor tribs (0903-0077)	UnAssessed
SL- 1 (portion 10)	Raquette River, Upper, and minor tribs (0903-0077)	UnAssessed
SL- 1-P109..125-P186	Follensby Pond (0903-0159)	UnAssessed
SL- 1-P109..125-P186..P185	Line Pond (0903-0160)	<b>NoKnownImpct</b>
SL- 1-P109..126-P188	Panther Pond (0903-0161)	<b>NoKnownImpct</b>
SL- 1-P109..133	Amperstand Brook and tribs (0903-0162)	<b>NoKnownImpct</b>
SL- 1-P109..133-P191	Stony Creek Ponds (0903-0163)	<b>NoKnownImpct</b>
SL- 1-P109..133-P191..P193	Mud Pond (0903-0164)	UnAssessed
SL- 1-P109..133-P191..P195,P196	Pickerel Pond, Rock Pond (0903-0165)	<b>NoKnownImpct</b>

# ...Raquette River Watershed

Water Index Number	Waterbody Segment	Category
<b>Upper Raquette River Watershed, Tupper Lake to Long Lake (con't)</b>		
SL- 1-P109..133-P191..P197,P201	Blueberry Pond, White Lily Pond (0903-0166)	NoKnownImpct
SL- 1-P109..133-P191..P202	Ampersand Pond (0903-0167)	UnAssessed
SL- 1-P109..143-P207	Palmer Pond (0903-0168)	NoKnownImpct
SL- 1-P109..151-P208	Dawson Pond (0903-0169)	UnAssessed
SL- 1-P109..158- 9-P210	Duck Lake (0903-0170)	UnAssessed
SL- 1-P109..158-P211,P212	Lower, Upper Moose Ponds (0903-0171)	NoKnownImpct
SL- 1-P109..160-P213	Lower County Line Pond (0903-0172)	NoKnownImpct
SL- 1-P109..162	Cold River and tribs (0903-0173)	UnAssessed
SL- 1-P109..162- 1- 7-P217	Brueyer Pond (0903-0174)	NoKnownImpct
SL- 1-P109..162- 6-P221,P222	Moose Pond, Shaw Pond (0903-0175)	NoKnownImpct
SL- 1-P109..162-27-P230	Mountain Pond, more (0903-0176)	UnAssessed
SL- 1-P109..162-31-P233,P234	Moose Pond, Black Pond (East) (0903-0007)	Impaired Seg
SL- 1-P109..162-31-P235	Duck Hole Pond (0903-0177)	UnAssessed
SL- 1-P109..162-P238,P239	Lower, Upper Preston Ponds (0903-0178)	UnAssessed
<b>Long Lake Watershed</b>		
SL- 1 (portion 11)/P241	Long Lake (0903-0078)	Impaired Seg
SL- 1 (portion 12)	Raquette River, Upper, and tribs (0903-0079)	UnAssessed
SL- 1-P109..P241-	Minor Tribs to Long Lake (0903-0179)	UnAssessed
SL- 1-P109..P241-13-P243	Polliwog Pond (0903-0180)	UnAssessed
SL- 1-P109..P241-14-P244	Shaw Pond (0903-0181)	NoKnownImpct
SL- 1-P109..P241-22-P245	South Pond (0903-0005)	Impaired Seg
SL- 1-P109..P241-22-P245..P246	Mud Pond (0903-0182)	UnAssessed
SL- 1-P109..P241-22-P245..P247	Salmon Pond (0903-0004)	Impaired Seg
SL- 1-P109..P241-23-P247a	Owls Head Pond (0903-0183)	UnAssessed
SL- 1-P109..P241-26-P248	Lake Eaton (0903-0056)	Impaired Seg
SL- 1-P109..P241-27	Big Brook and tribs (0903-0184)	UnAssessed
SL- 1-P109..P241-27- 3-P250	Mud Pond (0903-0185)	NoKnownImpct
SL- 1-P109..P241-27- 3-P251	Mosquito Pond (0903-0186)	NoKnownImpct
SL- 1-P109..P241-27- 3-P252	McRorie Lake/Rock Pond (0903-0187)	NoKnownImpct
SL- 1-P109..P241-27- 7-P255 to 257	Grampus Lake, Moonshine Pd, Mohegan Lake (0903-0188)	NoKnownImpct
SL- 1-P109..P241-27-P260,P264	Slim Pond, Stony Pond (0903-0189)	UnAssessed
SL- 1-P109..P241-27-P260..P261,263	Sand Pond, Robinson Pond (0903-0190)	UnAssessed
SL- 1-P109..P241-27-P260.P266to70	Partridge Pond and Cat Ponds (0903-0191)	UnAssessed
SL- 1-P109..P241-32-P272 thru P275	Anthony Ponds, Hedgehog Pond (0903-0192)	NoKnownImpct
<b>Forked Lake Watershed</b>		
SL- 1 (portion 13)/P276	Forked Lake (0903-0080)	Impaired Seg
SL- 1-P109..P241..P276-	Minor Tribs to Forked Lake (0903-0193)	UnAssessed
SL- 1-P109..P241..P276..P277	Brandreth Lake (0903-0194)	UnAssessed
SL- 1-P109..P241..P276..P278	Pilgrim Pond (0903-0043)	Impaired Seg
SL- 1-P109..P241..P276..P279	Little Forked Lake (0903-0195)	UnAssessed
SL- 1-P109..P241..P279..P280 to 290	Minor Lake Tribs to Little Forked Lake (0903-0196)	UnAssessed
SL- 1-P109..P241..P279..P286	Moose Pond (0903-0197)	UnAssessed
SL- 1-P109..P241..P279..P291	Plumley Pond (0903-0198)	UnAssessed

# ...Raquette River Watershed

Water Index Number	Waterbody Segment	Category
<b>Raquette Lake Watershed</b>		
SL- 1 (portion 14)/P293	Raquette Lake (0903-0081)	<b>Impaired Seg</b>
SL- 1-P109..P293-	Minor Tribs to Raquette Lake (0903-0200)	UnAssessed
SL- 1-P109..P293- ..P292	Grass Pond (0903-0199)	UnAssessed
SL- 1-P109..P293- 1-P294 to P299	Lower, Mid, Upper Sargent Pds, Helms Pd (0903-0201)	UnAssessed
SL- 1-P109..P293- 2-P300	Eldon Lake (0903-0214)	<b>NoKnownImpct</b>
SL- 1-P109..P293- 4- 7-P302	Slim Pond (0903-0202)	UnAssessed
SL- 1-P109..P293- 4-P304,P306	Utowana Lake, Eagle Lake (0903-0203)	UnAssessed
SL- 1-P109..P293- 4-P307	Blue Mountain Lake (0903-0204)	<b>Impaired Seg</b>
SL- 1-P109..P293- 4-P307-P310	Chub Pond (0903-0205)	UnAssessed
SL- 1-P109..P293- 4-P307-P311	Minnow Pond (0903-0206)	<b>NoKnownImpct</b>
SL- 1-P109..P293- 6	South Inlet and tribs (0903-0207)	UnAssessed
SL- 1-P109..P293- 6-11-P312	Mohegan Lake (0903-0208)	<b>NoKnownImpct</b>
SL- 1-P109..P293- 6-P313	Sagamore Lake (0903-0209)	UnAssessed
SL- 1-P109..P293- 6-P313- 5-P315	Aluminum Pond (0903-0006)	<b>Impaired Seg</b>
SL- 1-P109..P293- 8-P316,P317	Lower, Upper Browns Tract Pond (0903-0210)	<b>NoKnownImpct</b>
SL- 1-P109..P293-13..P319	Cranberry Pond (0903-0212)	UnAssessed
SL- 1-P109..P293-13..P321,322,331	Haymarsh Ponds, Lone Pond, more (0903-0017)	<b>Impaired Seg</b>
SL- 1-P109..P293-13..P324	Shallow Lake (0903-0213)	<b>NoKnownImpct</b>
SL- 1-P109..P293-13..P324- 1-P325	Pelcher Pond (0903-0002)	<b>Impaired Seg</b>
SL- 1-P109..P293-13..P329,P327	Queer Lake, Middle Chain Pond (0903-0211)	<b>Impaired Seg</b>

This page intentionally left blank.

# Raquette River, Lower, and minor tribs ( 0903-0059)

Impaired Seg

## Waterbody Location Information

Revised: 05/11/2009

**Water Index No:** SL- 1 (portion 1)      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/      **Str Class:** B      Raquette River  
**Waterbody Type:** River      **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 142.3 Miles      **Quad Map:** RAQUETTE RIVER (B-21-2)  
**Seg Description:** stream and select tribs, from mouth to Potsdam

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
PUBLIC BATHING	Impaired	Known
Fish Consumption	Stressed	Known
RECREATION	Impaired	Known
Aesthetics	Stressed	Suspected

### Type of Pollutant(s)

Known: PATHOGENS, Aesthetics, Nutrients, Priority Organics  
Suspected: D.O./Oxygen Demand  
Possible: - - -

### Source(s) of Pollutant(s)

Known: MUNICIPAL (Town of Norfolk WWTP), ON-SITE/SEPTIC SYST (in Raymondville)  
Suspected: Landfill/Land Disp., Other Sanitary Disch  
Possible: - - -

## Resolution/Management Information

**Issue Resolvability:** 2 (Strategy Exists, Needs Funding/Resources)  
**Verification Status:** 5 (Management Strategy has been Developed)  
**Lead Agency/Office:** DOW/Reg6  
**TMDL/303d Status:** 1\*

**Resolution Potential:** Medium

## Further Details

### Overview

Public bathing and recreational uses in this portion of the Raquette River are known to be impaired by pathogens and other pollutants from failing and/or inadequate residential on-site septic systems as well as discharges from a poorly operating municipal wastewater treatment plant. The lower mile of the river falls within the Saint Lawrence/Massena Great Lakes Area of Concern and is experiences impacts from associated past legacy discharges and waste disposal.

### Source Assessment

Dye testing of homes in the Hamlet of Raymondville (population of about 500) has revealed that approximately 80% of the existing on-site septic systems have failed, are inadequate, or are discharging directly to the Raquette River. The discharge of raw and/or inadequately treated sewage impairs swimming/bathing in the river. NYSDEC staff continue to work with community officials in Raymondville in an effort to provide appropriate treatment facilities to address the problem. An updated preliminary Engineering Report for the wastewater collection & treatment system was submitted in 2000. However, no further action has been taken, or progress made, since then. This is thought to be the largest

community in St. Lawrence County without a sewer system. (DEC/DOW, Region 6, January 2009)

The Town of Norfolk WWTP and sewer collection system experiences significant hydraulic overloading which results in numerous discharges/bypasses of raw sewage, treatment unit (oxidation ditch) failures and other SPDES permit violations over the years. The SPDES permit for the facility regulates the discharge of municipal wastewater effluent from its main outfall and an emergency overflow (at the Route 56 pump station) to the Raquette River. The facility has a long history (since the 1980s) of flows that exceed the design capacity of the plant. This chronic overloading of the plant has resulted in repeated violations of its effluent permit limits and the discharge of untreated or partially treated sewage into the Raquette River. In August 2008 the Town of Norfolk signed a Consent Order with the NYSDEC to address the numerous and ongoing violations of its SPDES permit (NY 002 3604) and 6 NYCRR Part 750. (DEC/DOW, Region 6, May 2009)

Saint Lawrence/Massena Remedial Action Plan The St. Lawrence River at Massena Remedial Action Plan (RAP) Area of Concern (AoC) begins above the power dam facilities and seaway locks at the Massena Village drinking water intake and follows the river downstream for about fifteen miles to the international border. For New York State, the AoC includes portions of the Grass, Raquette and St. Regis Rivers. There are three governmental agency groupings that share jurisdictional responsibilities for the AoC. These are the United States, Canada, and the St. Regis Mohawk Tribe at Akwesasne.

Pollution from past local area industrial production and waste disposal practices created contaminated sediments and hazardous waste sites that to a large degree are being or have been remediated. The sources and causes include PCBs, mercury, DDE, Mirex, nutrients, metals and physical disturbance. Large area remedial projects at Alcoa and General Motors sites have contributed significantly to the restoration and protection of beneficial uses in the AoC. After the Grass River and limited land-based remedial measures are completed, a reassessment of the status of the beneficial use indicators is to be conducted. When including the installation of water and air pollution discharge equipment, the total costs of the Massena area cleanup will likely exceed one billion dollars.

#### Section 303d Listing

This portion of the Raquette River is not currently included on the NYS 2008 Section 303(d) List of Impaired Waters. However this updated assessment suggests it is appropriate to consider this waterbody for inclusion on the 2010 List. It is recommended that a listing for pathogens be added to Part 1 of the List, as a waterbody for which TMDL development or other restoration measures are required. (DEC/DOW, BWAM/WQAS, January 2009)

#### Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to dam at Potsdam. The waters of this portion of the stream are Class B. Tribs to this reach/segment, including Hutchins Brook (-4) and Hall Creek (-8), are Class C and D. Squeak Creek (-2), Plum Brook (-6), Trout Creek (-9) and other portions of Raquette River are listed separately.

# Squeak Creek and tribs ( 0903-0082)

NoKnownImpct

## Waterbody Location Information

Revised: 01/15/2009

**Water Index No:** SL- 1- 2  
**Hydro Unit Code:** 04150305/160      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 69.2 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** RAQUETTE RIVER (B-21-2)

## 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

### Water Quality Sampling

A biological (macroinvertebrate) assessment of Squeak Creek, at Massena (at South Raquette River Rd.) was conducted in 2004 during the RIBS Biological Screening effort in the basin. The sample was collected, retained, subsampled and sorted to major groups of organisms but detailed identification was not performed. The sample was field assessed as meeting screening criteria and water quality was evaluated to be very good. The sorted sample was dominated by caddisflies, midges, aquatic beetles and mollusks. (DEC/DOW, BWAM/SBU, December 2008)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment, including Earls Brook (-1) and West Branch (-3), are also Class C.

# Trout Brook and tribs ( 0903-0084)

NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 1- 9  
**Hydro Unit Code:** 04150305/130      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 134.5 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** CHASE MILLS (B-20-3)

## 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

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Trout Brook in Raymondville, Saint Lawrence County, (at River Road) was conducted in 2005. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. The benthic fauna at this site was diverse. The Nutrient Biotic Index indicated oligotrophic conditions for phosphorus but eutrophic conditions for nitrogen. In addition to suggesting natural conditions Impact Source Determination identified several possible stressor including nonpoint source nutrient enrichment and toxic/industrial inputs. Water column sampling revealed pH to be a parameter of concern. No sediment sample could be collected at this location. Macroinvertebrates collected at this site and chemically analyzed for selected metals, PAHs, PCBs, and organochlorine pesticides show an elevated level of chromium. The source of chromium is likely to be anthropogenic, but it has not been identified. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall water quality at this site shows that in spite of some concerns that should continue to be monitored (pH, chromium), aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts to recreational uses. (DEC/DOW, BWAM/RIBS, January 2009)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment, including Stony Brook (-7) and Sugar Creek (-12), are also Class C.

# Parkhurst Brook and tribs ( 0903-0058)

MinorImpacts

## Waterbody Location Information

Revised: 12/31/2008

**Water Index No:** SL- 1- 20  
**Hydro Unit Code:** 04150305/130      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 48.1 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** POTSDAM (C-21-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: - - -  
Suspected: NUTRIENTS (phosphorus)  
Possible: Silt/Sediment

### Source(s) of Pollutant(s)

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

## Resolution/Management Information

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

**Resolution Potential:** Medium

## Further Details

### Overview

Aquatic life support in Parkhurst Brook is thought to experience minor impacts/threats due to nutrient loadings from agricultural and other nonpoint sources.

### Water Quality Sampling

A biological (macroinvertebrate) assessment of Parkhurst Brook at Potsdam (at Route 56) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. The macroinvertebrate community was dominated by filter feeding caddisflies including the genus *Cheumatopsyche sp.* and *Chimarra sp.*. The nutrient biotic index determined these effects on the fauna to be minor and suggested mesotrophic conditions in the stream. Impact Source Determination identified non-point source nutrient enrichment as a possible stressor. In spite of these minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, December 2008)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T),C(TS). Tribs to this reach/segment are Class C,C(T).

# Raquette River, Middle, and tribs ( 0903-0064)

NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 1 (portion 2)      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/120      **Str Class:** A      Raquette River  
**Waterbody Type:** River      **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 40.3 Miles      **Quad Map:** POTSDAM (C-21-1)  
**Seg Description:** stream and select tribs, from Potsdam to Hannawa Falls

## 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

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Raquette River just above this reach in Browns Bridge, Saint Lawrence County, (at Route 24/Russell Turnpike Road) was conducted in 2005. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. Impact Source Determination indicated natural conditions. Water column sampling revealed no parameters of concern. Sediments were not found to contain any contaminants at levels of concern and, based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides show no contaminants present in concentrations above established guidance values. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall water quality at this site indicates that aquatic life and recreational uses are fully supported in the stream. Though this sampling point is just above the described segment, it is considered representative of water quality in the lower reach. This segment is listed as being evaluated rather than monitored. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Raquette River just above the reservoir at Browns Bridge (at Lenny Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by mayflies. Impact source determination suggested a natural community structure. Though this sampling point is just above the reservoir, it is considered representative of water quality in the reservoir. This segment is listed as being evaluated rather than monitored.

#### Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the dam at Potsdam to Route 56 bridge in Hannawa Falls. The waters of this portion of the stream are Class A. Tribs to this reach/segment, including Garfield Brook (-22), are Class C. Parkhurst Brook (-20) Stafford Brook (-24) and other portions of Raquette River are listed separately.

# Hannawa Falls Reservoir ( 0903-0065)

NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

<b>Water Index No:</b>	SL- 1 (portion 3)/P5b	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/120	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake(R)	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Waterbody Size:</b>	186.1 Acres	<b>Quad Map:</b>	COLTON (C-21-4)
<b>Seg Description:</b>	entire reservoir		

## 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

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

## Further Details

### Water Quality Sampling

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Raquette River just above the Hannawa Reservoir in Browns Bridge, Saint Lawrence County, (at Route 24/Russell Turnpike Road) was conducted in 2005. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. Impact Source Determination indicated natural conditions. Water column sampling revealed no parameters of concern. Sediments were not found to contain any contaminants at levels of concern and, based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides show no contaminants present in concentrations above established guidance values. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall water quality at this site indicates that aquatic life and recreational uses are fully supported in the stream. Though this sampling point is just above the reservoir, it is considered representative of water quality in the upper reach. This segment is listed as being evaluated rather than monitored. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Raquette River just above the reservoir at Browns Bridge (at Lenny Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by mayflies. Impact source determination suggested a natural community structure. Though this sampling point is just above the reservoir, it is considered representative of water quality in the reservoir. This segment is listed as being evaluated rather than monitored.

# Raquette River, Middle, and tribs ( 0903-0066)

NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 1 (portion 4)      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/120      **Str Class:** B      Raquette River  
**Waterbody Type:** River      **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 8.5 Miles      **Quad Map:** COLTON (C-21-4)  
**Seg Description:** stream and all tribs, from Browns Bridge to Colton

## 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

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Raquette River in Browns Bridge, Saint Lawrence County, (at Route 24/Russell Turnpike Road) was conducted in 2005. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. Impact Source Determination indicated natural conditions. Water column sampling revealed no parameters of concern. Sediments were not found to contain any contaminants at levels of concern and, based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides show no contaminants present in concentrations above established guidance values. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall water quality at this site indicates that aquatic life and recreational uses are fully supported in the stream. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Raquette River at Browns Bridge (at Lenny Road) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality

conditions. The macroinvertebrate fauna was dominated by mayflies. Impact source determination suggested a natural community structure.

#### Segment Description

This segment includes the portion of the stream and all tribs from the Route 24 bridge in Browns Bridge to the Colton Reservoir dam at Colton. The waters of this portion of the stream are Class B. Tribs to this reach/segment, including O'Malley Brook (-26), are Class C,C(T) and D. Other portions of Raquette River are listed separately.

# Colton Reservoir ( 0903-0067)

NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 1 (portion 5a)/P6c  
**Hydro Unit Code:** 04150305/120      **Str Class:** C  
**Waterbody Type:** Lake(R)  
**Waterbody Size:** 220.2 Acres  
**Seg Description:** entire reservoir

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** COLTON (C-21-4)

## 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

### Water Quality Sampling

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Raquette River just below the Colton Reservoir in Browns Bridge, Saint Lawrence County, (at Route 24/Russell Turnpike Road) was conducted in 2005. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. Impact Source Determination indicated natural conditions. Water column sampling revealed no parameters of concern. Sediments were not found to contain any contaminants at levels of concern and, based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides show no contaminants present in concentrations above established guidance values. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall water quality at this site indicates that aquatic life and recreational uses are fully supported in the stream. Though this sampling point is just below the reservoir, it is considered representative of water quality in the upper reach. This segment is listed as being evaluated rather than monitored. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Raquette River just below the reservoir at Browns Bridge (at Lenny Road) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by mayflies. Impact source determination suggested a natural community structure. Though this sampling point is just above the reservoir, it is considered representative of water quality in the reservoir. This segment is listed as being evaluated rather than monitored.

# South Colton Reservoir ( 0903-0069)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1 (portion 5c)/P17a	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/110	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake(R)	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Waterbody Size:</b>	229.7 Acres	<b>Quad Map:</b>	COLTON (C-21-4)
<b>Seg Description:</b>	entire reservoir		

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of South Colton Reservoir 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)

# Five Falls Reservoir ( 0903-0070)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1 (portion 5d)/P21a  
**Hydro Unit Code:** 04150305/110      **Str Class:** C  
**Waterbody Type:** Lake(R)  
**Waterbody Size:** 140.5 Acres  
**Seg Description:** entire reservoir

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** RAINBOW FALLS (C-21-3)

## 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 Five Falls Reservoir 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)

## Close Pond ( 0903-0087)

NoKnownImpct

### Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 26-P6	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/120	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	10.7 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	RAINBOW FALLS (C-21-3)

### 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

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

### Further Details

#### Water Quality Sampling

Monitoring of Close 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)

# Arbuckle Pond ( 0903-0090)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1- 28d-P11  
**Hydro Unit Code:** 04150305/120      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 42.6 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** COLTON (C-21-4)

## 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

### Water Quality Sampling

Monitoring of Arbuckle 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)

# Barney Pond ( 0903-0093)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1- 33- 5- 1- P14  
**Hydro Unit Code:** 04150305/120      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 38.5 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** STARK (D-21-2)

## 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

### Water Quality Sampling

Monitoring of Barney 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)

# Rock Pond ( 0903-0094)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 35-P18	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/110	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	17.3 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	MOUNT MATUMBLA (D-22-3)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Rock 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)

# Ormsbee/Round Pond ( 0903-0095)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1- 40-P23  
**Hydro Unit Code:** 04150305/110      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 8.9 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** STARK (D-21-2)

## 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

### Water Quality Sampling

Monitoring of Ormsbee/Round 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)

# Sterling Pond (0903-0097)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 43-P29	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/110	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	65.0 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	SYLVAN FALLS (C-22-4)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Sterling 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)

# Joe Indian Pond ( 0903-0060)

Impaired Seg

## Waterbody Location Information

Revised: 12/05/2008

<b>Water Index No:</b>	SL- 1- 46-P31	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/110	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Waterbody Size:</b>	343.6 Acres	<b>Quad Map:</b>	CARRY FALLS RESERV (D-22-1)
<b>Seg Description:</b>	entire lake		

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: ACID/BASE (PH)  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ATMOSPHERIC DEPOSITION  
Possible: ---

## Resolution/Management Information

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

## Further Details

### Overview

Aquatic life support in Joe Indian Pond are thought to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition might be limiting the fishery. The lake was the focus of CSLAP monitoring from 1986 to 1990. Monitoring results include documentation of low pH. However, actual impairment to the fishery requires additional verification. (DEC/DOW, CSLAP, 1998)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Joe Indian Pond is

included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

**Waterbody Location Information**

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 46-P31- 6..P33,P34,P35	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/110	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	49.4 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	total area of all three lakes	<b>Quad Map:</b>	CARRY FALLS RESERV (D-22-1)

**Water Quality Problem/Issue Information**

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
NO USE IMPAIRMNT		

**Type of Pollutant(s)**

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

**Source(s) of Pollutant(s)**

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

**Resolution/Management Information**

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

**Further Details****Water Quality Sampling**

Monitoring of Kildare and Whitney Ponds 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)

# Carry Falls Reservoir ( 0903-0055)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1 (portion 6b)/P35c  
**Hydro Unit Code:** 04150305/100      **Str Class:** C  
**Waterbody Type:** Lake(R)  
**Waterbody Size:** 3030.7 Acres  
**Seg Description:** entire reservoir

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** CARRY FALLS RESERV (D-22-1)

## 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: 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  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Carry Falls Reservoir is impaired by health advisories that recommend restricting the consumption of fish from the reservoir. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

### Fish Consumption

Fish consumption in Carry Falls reservoir is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of walleye 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 1998-99. (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 (NEIWPCC), 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 Carry Falls Reservoir. 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 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

Carry Falls Reservoir 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)

# Raquette River, Middle, and tribs ( 0903-0074)

NoKnownImpct

## Waterbody Location Information

Revised: 12/29/2008

**Water Index No:** SL- 1 (portion 7)      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/100      **Str Class:** C      Raquette River  
**Waterbody Type:** River      **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 115.5 Miles      **Quad Map:** CHILDWOLD (D-22-4)  
**Seg Description:** stream and all tribs, fr Jamestown Falls to Piercefield

## 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 Dead Creek at Conifer (at Conifer Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by the pollution intolerant filter feeding caddisfly *Dolophilodes sp.*. The nutrient biotic index indicated mesotrophic conditions due to phosphorus and nitrate. Impact source determination suggested a natural community. Dead Creek is just one of several streams that make up this waterbody segment, but it is considered representative of water quality in the segment as a whole. Sampling of the Raquette River in Piercefield (at Route 3) was conducted in 1997. The sample was found to meet all field criteria and was assessed as having non-impacted conditions. This segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

### Segment Description

This segment includes the total length of selected/smaller tribs to the Raquette River from Jamestown Falls to Piercefield Flow at Piercefield. Tribs within this segment, including Fallen Brook (-80), Ellis Brook (-88), Windfall Outlet (-93), Bear Brook (-96), Mountain Brook (-106) and Dead Creek (-109), are Class C,C(T),C(TS). Tribs to Upper Dead Creek (-109) and other portions of Raquette River are listed separately.

# Piercefield Flow ( 0903-0075)

NoKnownImpct

## Waterbody Location Information

Revised: 01/16/2009

<b>Water Index No:</b>	SL- 1 (portion 8)/P85	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/100	<b>Str Class:</b>	A
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	471.2 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	TUPPER LAKE (E-22-0)

## 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

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

## Further Details

### Water Quality Sampling

A biological (macroinvertebrate) assessment of the Raquette River in Piercefield (at Route 3) at the outlet of the Piercefield Flow was conducted in 1997 as part of the RIBS sampling effort. The sample was found to meet all field criteria and was assessed as having non-impacted conditions. Due to the date of the most recent sampling, this segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

Monitoring of Piercefield Flow 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. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

# Amber Lake ( 0903-0103)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 58..P41	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/100	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	110.6 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	CARRY FALLS RESERV (D-22-1)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Amber Lake 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)

# Minor Lakes Trib to Jordan River ( 0903-0107)

Need Verific

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1- 65..P48 thru P57a (selected)      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/090      **Str Class:** C      Raquette River  
**Waterbody Type:** Lake      **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 198.6 Acres      **Quad Map:** CHILDWOLD (D-22-4)  
**Seg Description:** total area of selected lakes

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known:      - - -  
Suspected:      ACID/BASE (PH)  
Possible:      - - -

### Source(s) of Pollutant(s)

Known:      - - -  
Suspected:      ATMOSPHER. DEPOSITION  
Possible:      - - -

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 1 (Waterbody Nominated, Problem Not Verified)  
**Lead Agency/Office:** DEC/DOW      **Resolution Potential:** Medium  
**TMDL/303d Status:** n/a

## Further Details

### Overview

Aquatic life support in some ponds in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain). However available data indicating such impacts is more than 20 years old and/or limited to smaller ponds within this segment. Additionally, the larger of the two lakes (Rock Pond) was added to the Section 303(d) List with little documentation so it is not certain that this impairment corresponds to this lake. Additional monitoring is necessary to determine if there is an impairment due to acid rain. Until data on this waterbody is available, this impacts will be considered to needing verification.

### Water Quality Sampling

Historical surveys of Spring Pond and smaller unnamed pond (P55) indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1986) revealed a pH <5.0 and no fish in Spring Pond; Rock Pond had pH greater than 6.0, but also no evidence of fish. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate

implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Both Spring Pond and unnamed pond (P55) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of all selected/smaller lakes within the Jordan River watershed. Lakes within this segment, including Deer Pond (P48), Otter Pond (P49), Rock Pond (P50), Potter Pond (P51), Spring Pond (P52), Mountain Pond (P53), Sunset Pond (P57) and Pitchfork Pond (P57a), are primarily Class C,C(T), with portions in the Forest Preserve. Larger lakes, such as Jordan Lake (P46) and Willis Lake (P54), are listed separately.

# Windfall Pond ( 0903-0111)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1- 93-P70	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/100	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	15.4 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	CHILDWOLD (D-22-4)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Windfall 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)

# Trib to Upper Dead Creek and tribs ( 0903-0113)

NoKnownImpct

## Waterbody Location Information

Revised: 12/29/2008

**Water Index No:** SL- 1-109- 4  
**Hydro Unit Code:** 04150305/100      **Str Class:** AA(T)  
**Waterbody Type:** River  
**Waterbody Size:** 6.5 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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 Dead Creek at Conifer (at Conifer Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by the pollution intolerant filter feeding caddisfly *Dolophilodes sp.*. The nutrient biotic index indicated mesotrophic conditions due to phosphorus and nitrate. Impact source determination suggested a natural community. Although this sampling was conducted downstream of this segment, it is considered representative of upstream water quality. This segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class AA,AA(T). Tribs to this reach/segment are also Class AA.

# Eagle Crag Lake, more ( 0903-0114)

Need Verific

## Waterbody Location Information

Revised: 11/13/2008

**Water Index No:** SL- 1-109- 4- 1-P80  
**Hydro Unit Code:** 04150305/100      **Str Class:** A(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 143.6 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 1 (Waterbody Nominated, Problem Not Verified)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be threatened due to low pH, a result of atmospheric deposition (acid rain). Available data indicating such impacts is limited to a small pond within this segment and is more than 20 years old. More recent data for the larger Eagle Crag Lake found pH to typically fall within the state water quality range of 6.5 to 8.5, however lower readings have been recorded and should continue to be monitored.

### Water Quality Sampling

Eagle Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1986 thru 1990 and from 1998 through 2005. An Interpretive Summary report of the findings of this sampling was published in 2006. These data indicate that the lake continues to be best characterized as mesoligotrophic, or moderately unproductive. Phosphorus levels in are consistently below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements exceed what is the recommended minimum for swimming beaches. Measurements of pH typically fall within the state water quality range of 6.5 to 8.5, however lower readings have been recorded and should continue to be monitored. The lake water is weakly to moderately colored; a condition that is considered to be natural. (DEC/DOW, BWAM/CSLAP, February 2006)

Historical surveys of a small pond within this segment indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1986) revealed a pH between 5.0 and 5.5 and no fish in Buck Pond (P81). (DEC/DOW, BWAM, 2008)

#### Recreational Assessment

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be highly favorable since the lake was first evaluated and continuing through the most recent assessment. The recreational suitability of the lake is described most frequently as "could not be nicer." The lake itself is most often described as "crystal clear," an assessment that is somewhat more favorable than suggested by measured water quality characteristics. Assessments have noted that aquatic plants are not visible at the lake surface and do not impact recreation. Aquatic plant surveys of the lake have found that native plants not typically associated with nuisance plant growth are dominant. (DEC/DOW, BWAM/CSLAP, February 2006)

#### Lake Uses

This lake waterbody is designated class A, suitable for use as a water supply, public bathing beach, general recreation and aquatic life support. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

#### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Buck Pond is included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of Eagle Crag Lake (P80), as well as the smaller Buck Pond (P81).

# Tupper Lake ( 0903-0076)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1 (portion 9)/P109  
**Hydro Unit Code:** 04150305/080      **Str Class:** A  
**Waterbody Type:** Lake  
**Waterbody Size:** 4857.7 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Fish consumption in Tupper 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 Tupper Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of smallmouth bass and walleye 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 2004-05. (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 (NEIWPCC), 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 Tupper 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 that it 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)

This segment includes Raquette Pond (P89) and Simon Pond (P180).

# Gull Pond ( 0903-0061)

NoKnownImpct

## Waterbody Location Information

Revised: 12/05/2008

**Water Index No:** SL- 1-P 85- 1-P87  
**Hydro Unit Code:** 04150305/100      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 292.1 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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:** 2a->n/a

## Further Details

### Water Quality Sampling

Gull Pond has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1987 and most recently from 1994 through 1998. An Interpretive Summary report of the findings of this sampling was published in 1999. These data indicate that the lake continues to be best characterized as oligotrophic, or unproductive. Phosphorus levels in the lake are well below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements easily exceed the recommended minimum for swimming beaches. Measurements of pH are somewhat low but typically fall within the state water quality range of 6.5 to 8.5. (DEC/DOW, BWAM/CSLAP, 1999)

### Recreational Assessment

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be very favorable since the lake was first evaluated and continuing through the most recent assessment. The recreational suitability of the lake is described most frequently as "could not be nicer." The lake itself is most often described as "crystal clear" or "not quite crystal clear," an assessment that is consistent measured water quality characteristics. Assessments have noted that aquatic plants occasionally grow to the lake surface. Aquatic plants have not been surveyed in the lake but have not been cited as impacting recreational uses. (DEC/DOW, BWAM/CSLAP, 1999)

#### Lake Uses

This lake waterbody is designated class C, suitable for general recreation and aquatic life support, but not as a water supply or public bathing beach. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

#### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Gull Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. However the original assessment upon which this listing was based indicates impacts to the segment need verification. This updated assessment suggests that the suspected impacts to water quality and uses are not sufficient to warrant continued listing. (DEC/DOW, BWAM, 2008)

# Little Wolf Pond ( 0903-0044)

Need Verific

## Waterbody Location Information

Revised: 12/05/2008

**Water Index No:** SL- 1-P 89- 1-P95  
**Hydro Unit Code:** 04150305/080      **Str Class:** B  
**Waterbody Type:** Lake  
**Waterbody Size:** 159.2 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** UPPER SARANAC LAKE (D-23-B)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Possible
Recreation	Stressed	Possible

### Type of Pollutant(s)

Known: ---  
Suspected: PATHOGENS  
Possible: Acid/Base (pH)

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ON-SITE/SEPTIC SYST, Atmosph. Deposition

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 1 (Waterbody Nominated, Problem Not Verified)  
**Lead Agency/Office:** DOW/Reg5  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

### Overview

Public bathing and other recreational uses in Little Wolf Pond may experience minor impacts/threats due to pathogens from on-site wastewater treatment systems serving shoreline residences. However these impacts need to be verified.

### Water Quality Sampling

Little Wolf Pond has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1998 and continuing through 2000. An Interpretive Summary report of the findings of this sampling was published in 2001. These data indicate that the lake continues to be best characterized as mesotrophic, or moderately productive. Phosphorus levels in the lake do not exceed the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements typically rarely meet what is the recommended minimum for swimming beaches. Measurements of pH are generally low but typically fall within the state water quality range of 6.5 to 8.5. The lake water is highly colored, typical of many Adirondack waters. Water color does limit water transparency. (DEC/DOW, BWAM/CSLAP, November 2001)

Monitoring of Little Wolf 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. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

#### Recreational Assessment

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be somewhat favorable during the sampling period, however the most recent sampling year was less favorable than other years. This may be a result of high natural color, weather or other factors. The recreational suitability of the lake is described most frequently as "excellent" or "slightly" impacted for most uses, although significant impacts were noted. The lake itself is most often described as "not quite crystal clear" or "having a definite algal greenness." Assessments have noted that aquatic plants are visible and grow to the lake surface. Aquatic plants surveys have not been conducted in the lake but plant growth has not been cited as impacting recreational uses. (DEC/DOW, BWAM/CSLAP, November 2001)

#### Lake Uses

This lake waterbody is designated class B, suitable for use as a public bathing beach, general recreation and aquatic life support, but not as a water supply. However it is reported that some shoreline camps draw water from the lake for drinking water. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

#### Previous Assessments

Bathing/swimming in this shallow pond has been subject to occasional beach closures due to high coliform levels. Failing and/or inadequate on-site septic systems serving residences along the pond represent a possible source. These conditions and sources should be verified (DEC/DOW, Region 5, 1996)

# North and South Spectacle Ponds ( 0903-0122)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P 89- 1-P95- 1-P97-P101,P102    **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/080    **Str Class:** C    Raquette River  
**Waterbody Type:** Lake    **Reg/County:** 5/Franklin Co. (17)  
**Waterbody Size:** 13.8 Acres    **Quad Map:** UPPER SARANAC LAKE (D-23-B)  
**Seg Description:** total area of both lakes

## 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 North and South Spectacle Ponds were 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)

# Bog River and tribs ( 0903-0128)

NoKnownImpct

## Waterbody Location Information

Revised: 12/12/2008

**Water Index No:** SL- 1-P109-11  
**Hydro Unit Code:** 04150305/070      **Str Class:** C(T)  
**Waterbody Type:** River  
**Waterbody Size:** 113.1 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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 Bog River at Tupper Lake (at Route 421) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. Dominate macroinvertebrate fauna included tolerant *Caecidotea racovitzai* and facultative *Gammarus sp.* crustaceans, facultative aquatic worms and mollusks. The nutrient biotic index indicated enrichment due to phosphorus which is likely the result of the wetland environment immediately upstream. In addition bedrock substrate dominated the sampling location which would limit the invertebrate community. Results of impact source determination were inconclusive. However this sampling suggests that aquatic life is fully supported in the stream. (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(T). Tribs to this reach/segment, including Round Lake Outlet (-2), are Class C,C(T).

# Lost Pond ( 0903-0057)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11- 2- 4- 1-P116  
**Hydro Unit Code:** 04150305/070      **Str Class:** D  
**Waterbody Type:** Lake  
**Waterbody Size:** 10.6 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** TUPPER LAKE (E-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in Lost Pond are known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1979) revealed a pH <5.0. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Lost Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Bear Pond ( 0903-0129)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11- 2- 4-P117  
**Hydro Unit Code:** 04150305/070      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 129.2 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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 Bear 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)

# Round Lake ( 0903-0130)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109-11- 2-P118	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/070	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	744.5 Acres	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	TUPPER LAKE (E-22-0)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Round Lake 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)

# Bog Stream and tribs ( 0903-0215)

Need Verific

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11- 2-P120- 2  
**Hydro Unit Code:** 04150305/070      **Str Class:** D/C  
**Waterbody Type:** River  
**Waterbody Size:** 0.0 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** TUPPER LAKE (E-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: ---  
Suspected: ACID/BASE (PH)  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ATMOSPHER. 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  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

### Overview

Aquatic life support in this segment may be impaired by low pH, a result of atmospheric deposition (acid rain). However available data indicating such impacts is more than 20 years old and limited to smaller ponds within this segment. Until data on the larger waterbody is available, this segment will be considered to be Threatened.

### Water Quality Sampling

Historical surveys of a number of small ponds within this segment indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984-6) revealed pH less than 5.0 and no fish in Hedgehog Pond (P121) and unnamed ponds (P119, P122, P124, P125a). Aquatic life in these pond is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

Two of these unnamed ponds (P119, P124) were included on previous Section 303(d) Lists, but were delisting in 2006 due to the completion of an Acid Rain TMDL. In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including unnamed ponds (P119, P124). Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current

conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Hedgehog Pond (P121) and unnamed ponds (P122, P125a) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the stream and all tribs. These streams and tribs are Class C(T) and D. This segment also includes smaller ponds, including Hedgehog Pond and unnamed ponds (P119, P122, P124, P125a).

# Handsome Pond ( 0903-0132)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11- 2-P120- 2- 4-P123  
**Hydro Unit Code:** 04150305/070      **Str Class:** D/C  
**Waterbody Type:** Lake  
**Waterbody Size:** 149.4 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** KEMPSHALL MTN. (E-23-B)

## 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 Handsome 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)

# Sperry Pond ( 0903-0133)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11- 2-P120- 2-P125  
**Hydro Unit Code:** 04150305/070      **Str Class:** D/C  
**Waterbody Type:** Lake  
**Waterbody Size:** 130.0 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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 Sperry 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)

# Rock Pond ( 0903-0003)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11- 2-P120..P129  
**Hydro Unit Code:** 04150305/070      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 282.9 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in Rock Pond are known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1979) revealed a pH between 5.0 and 5.5. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Rock Pond is included

on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Charley Pond ( 0903-0139)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109-11- 2-P120..P134	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/070	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	106.2 Acres	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	TUPPER LAKE (E-22-0)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Charley 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)

# East Charley, Bettner Ponds ( 0903-0140)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11- 2-P120..P135 to P138    **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/070    **Str Class:** C    Raquette River  
**Waterbody Type:** Lake    **Reg/County:** 5/Hamilton Co. (21)  
**Waterbody Size:** 36.0 Acres    **Quad Map:** TUPPER LAKE (E-22-0)  
**Seg Description:** total area of all five ponds

## 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 these ponds 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)

### Segment Description

This segment includes the total area of East Charley Pond (P135), Little Charley Pond (P136), South Bettner Pond (P137) and North Bettner Pond (P138).

# Horseshoe Lake ( 0903-0142)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11- 6-P143  
**Hydro Unit Code:** 04150305/070      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 398.6 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## 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 Horseshoe Lake 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)

# High Pond ( 0903-0001)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11-P144- 1-P145..P147      **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/070      **Str Class:** C(T)      Raquette River  
**Waterbody Type:** Lake      **Reg/County:** 5/Hamilton Co. (21)  
**Waterbody Size:** 38.8 Acres      **Quad Map:** TUPPER LAKE (E-22-0)  
**Seg Description:** entire lake

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in High Pond is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DOW (1984) revealed a pH below 5.0. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. High Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Little Pine Pond ( 0903-0028)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11-P144- 2- 2- 1-P148  
**Hydro Unit Code:** 04150305/070      **Str Class:** D/C  
**Waterbody Type:** Lake  
**Waterbody Size:** 8.4 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in Little Pine Pond is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1985) revealed a pH below 5.0. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Little Pine Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Spruce Grouse, Spring, Graves Ponds ( 0903-0041)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11-P156..P160,P161,P162  
**Hydro Unit Code:** 04150305/070      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 87.0 Acres  
**Seg Description:** total area of all three lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** WOLF MOUNTAIN (E-21-3)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of one of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALS (1986) revealed a pH between 5.0 and 5.5 in Spring Pond. Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Spring Pond is included

on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

**Segment Description**

This segment includes the total area of Spruce Grouse Pond (P160), Spring Pond (P161) and graves Pond (P162).

# Halfmoon Pond ( 0903-0032)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

<b>Water Index No:</b>	SL- 1-P109-11-P156..P168..P170	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/070	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	6.1 Acres	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	WOLF MOUNTAIN (E-21-3)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
 Suspected: ---  
 Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
 Suspected: ---  
 Possible: ---

## Resolution/Management Information

<b>Issue Resolvability:</b>	( )	
<b>Verification Status:</b>	(Not Applicable for Selected RESOLVABILITY)	
<b>Lead Agency/Office:</b>	ext/EPA	<b>Resolution Potential:</b> n/a
<b>TMDL/303d Status:</b>	2a (Multiple Segment/Categorical Water, Atmosph Dep)	

## Further Details

### Overview

Aquatic life support in Halfmoon Pond is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984, 85) revealed a pH between 5.0 and 5.5 in Halfmoon Pond (P170). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Halfmoon Pond (P170)

is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Tamarack Pond, High Pond (0903-0025)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-11-P156..P168..P171,P172 **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/070 **Str Class:** FP Raquette River  
**Waterbody Type:** Lake **Reg/County:** 6/St.Lawrence Co. (45)  
**Waterbody Size:** 24.8 Acres **Quad Map:** WOLF MOUNTAIN (E-21-3)  
**Seg Description:** total area of both lakes

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of one of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984, 85) revealed a pH between 5.5 and 6.0 in High Pond (P172). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including High Pond. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

High Pond was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of Tamarack Pond (P171) and High Pond (P162).

# Clear Pond ( 0903-0153)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109-11-P156..P168..P176  
**Hydro Unit Code:** 04150305/070      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 72.5 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** WOLF MOUNTAIN (E-21-3)

## 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 Clear 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)

# Bridge Brook Pond ( 0903-0154)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109-15-P178	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/080	<b>Str Class:</b>	FP
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Waterbody Size:</b>	172.7 Acres	<b>Quad Map:</b>	TUPPER LAKE (E-22-0)
<b>Seg Description:</b>	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

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

## Further Details

### Water Quality Sampling

Monitoring of Bridge Brook 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)

# Black Pond (West) ( 0903-0027)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109-15-P178- 1-P179  
**Hydro Unit Code:** 04150305/080      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 18.6 Acres  
**Seg Description:** entire lake  
**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** TUPPER LAKE (E-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1985) revealed a pH between 5.0 and 5.5 in Black Pond, West (P179). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Black Pond, West. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Black Pond, West, was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

## Line Pond ( 0903-0160)

NoKnownImpct

### Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..125-P186..P185	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/060	<b>Str Class:</b>	FP?
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	4.1 Acres	<b>Reg/County:</b>	5/Franklin Co. (17)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	TUPPER LAKE (E-23-A)

### 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

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

### Further Details

#### Water Quality Sampling

Monitoring of Line 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)

# Panther Pond (0903-0161)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..126-P188  
**Hydro Unit Code:** 04150305/060      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 12.2 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Panther 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)

# Amperstand Brook and tribs ( 0903-0162)

NoKnownImpct

## Waterbody Location Information

Revised: 12/12/2008

**Water Index No:** SL- 1-P109..133  
**Hydro Unit Code:** 04150305/060      **Str Class:** C(T)  
**Waterbody Type:** River  
**Waterbody Size:** 51.1 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Ampersand Brook at Coreys (at Coreys Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The nutrient biotic index indicated oligotrophic conditions. The macroinvertebrate fauna was dominated by the intolerant stonefly *Agnetina capitata*. Impact source determination suggested a natural community. (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(T). Tribs to this reach/segment, including Ward Brook (P202- 5), are Class C,C(T).

# Stony Creek Ponds ( 0903-0163)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..133-P191  
**Hydro Unit Code:** 04150305/060      **Str Class:** B  
**Waterbody Type:** Lake  
**Waterbody Size:** 186.8 Acres  
**Seg Description:** total area of select ponds

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Stony Creek Ponds 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)

# Pickerel Pond, Rock Pond ( 0903-0165)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..133-P191..P195,P196  
**Hydro Unit Code:** 04150305/060      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 43.2 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Pickerel and Rock Ponds 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)

# Blueberry Pond, White Lily Pond ( 0903-0166)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..133-P191..P197,P201  
**Hydro Unit Code:** 04150305/060      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 32.3 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** AMPERSAND LAKE (E-24-A)

## 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  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

# Palmer Pond ( 0903-0168)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..143-P207  
**Hydro Unit Code:** 04150305/060      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 16.1 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Palmer 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)

## Lower, Upper Moose Ponds ( 0903-0171)

NoKnownImpct

### Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..158-P211,P212	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/050	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	5/Franklin Co. (17)
<b>Waterbody Size:</b>	63.4 Acres	<b>Quad Map:</b>	KEMPSHALL MTN. (E-23-B)
<b>Seg Description:</b>	total area of both lakes		

### 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

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

### Further Details

#### Water Quality Sampling

Monitoring of Lower and Upper Moose Ponds 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)

# Lower County Line Pond ( 0903-0172)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..160-P213  
**Hydro Unit Code:** 04150305/040      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 5.0 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** KEMPSHALL MTN. (E-23-B)

## 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 Lower County Line 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)

# Brueyer Pond ( 0903-0174)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..162- 1- 7-P217  
**Hydro Unit Code:** 04150305/040      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 6.4 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Franklin Co. (17)  
**Quad Map:** TUPPER LAKE (E-23-A)

## 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 Brueyer 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)

### Segment Description

This segment includes the total area of Brueyer Ponds, as well as smaller unnamed pond (P216).

# Moose Pond, Shaw Pond ( 0903-0175)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..162- 6-P221,P222	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/040	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	5/Essex Co. (16)
<b>Waterbody Size:</b>	204.9 Acres	<b>Quad Map:</b>	SANTANONI PEAK (E-24-B)
<b>Seg Description:</b>	total area of both lakes		

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Shaw 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)

# Moose Pond, Black Pond (East) ( 0903-0007)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..162-31-P233,P234  
**Hydro Unit Code:** 04150305/040      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 70.9 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Essex Co. (16)  
**Quad Map:** AMPERSAND LAKE (E-24-A)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: ACID/BASE (PH)  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ATMOSPHERIC DEPOSITION  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of one of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALS (1984) revealed a pH greater than 6.0 in Black Pond, East (P234). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Black Pond, East. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Black Pond, East, was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of Moose Pond (P233) and Black Pond, East (P234).

# Long Lake (0903-0078)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1 (portion 11)/P241  
**Hydro Unit Code:** 04150305/030      **Str Class:** B  
**Waterbody Type:** Lake  
**Waterbody Size:** 4094.0 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** KEMPSHALL MTN. (E-23-B)

## 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  
**TMDL/303d Status:** 2b->4a

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Long 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 Blue Mountain Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of northern pike 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

Long Lake 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)

# Shaw Pond ( 0903-0181)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..P241-14-P244	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/030	<b>Str Class:</b>	C(T)
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	21.7 Acres	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	BLUE MOUNTAIN (F-23-0)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Shaw 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)

# South Pond ( 0903-0005)

Impaired Seg

## Waterbody Location Information

Revised: 12/29/2008

**Water Index No:** SL- 1-P109..P241-22-P245  
**Hydro Unit Code:** 04150305/030      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 431.9 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BLUE MOUNTAIN (F-23-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: METALS (mercury), ACID/BASE (PH)  
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:** 2a,4a (Multiple Segment/Categorical Water, Atmosph Dep, more)

## Further Details

### Overview

Aquatic life support and fish consumption in South Pond are known to be impaired by low pH and mercury contamination. These impairments are a result of atmospheric deposition.

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1979) revealed a pH below 5.0. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Fish Consumption

Fish consumption in South Pond is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of larger yellow perch (over 10 inches) 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 2004-05. (2007-08 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### 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 South Pond. 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 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

South Pond is included on the NYS 2008 Section 303(d) List of Impaired Waters. The pond is included on Part 2a or the List as an Atmospheric Deposition (Acid Rain) Water. The pond was previously included in the 2006 Section 303(d) List because of mercury contamination. However the pond was delisted in 2008 due to the completion of the Northeast Regional Mercury TMDL which was approved in 2007. (DEC/DOW, BWAM, December 2008)

# Salmon Pond (0903-0004)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P241-22-P245..P247  
**Hydro Unit Code:** 04150305/030      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 86.1 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BLUE MOUNTAIN (F-23-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in Salmon Pond is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1975) revealed pH between 5.0 and 5.5. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Salmon Pond is included

on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Lake Eaton (0903-0056)

Impaired Seg

## Waterbody Location Information

Revised: 12/29/2008

**Water Index No:** SL- 1-P109..P241-26-P248  
**Hydro Unit Code:** 04150305/030      **Str Class:** AA(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 568.0 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BLUE MOUNTAIN (F-23-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: METALS (mercury)  
Suspected: ---  
Possible: Nutrients, Pathogens

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ATMOSPHERIC DEPOSITION, On-Site/Septic Syst, Urban/Storm Runoff (stormwater)  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Lake Eaton 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. Recreational use of the lake may also be stressed by excessive aquatic weed growth.

### Fish Consumption

Fish consumption in Lake Eaton is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of larger yellow perch (over 10 inches) and 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 2004-05. (2006-08 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

### Previous Assessments

Previously, concerns were reported regarding increased aquatic weed and algae growth in Lake Eaton that may be stressing the bathing swimming use of the lake. The drinking water uses (the lake is a potential future water supply for Long Lake)

may also be affected. Study of the watershed by Hamilton County and local lake association identified stormwater runoff as the primary problem, with failing and/or inadequate on-site septic systems contributing as well. Specific properties/sources cited by the county as contributing stormwater runoff to the lake include numerous lakefront camps, Hamilton County Lumber, Lake Eaton State Campsite and runoff from Route 30. These land uses all contribute increased phosphorus to the lake. While septic systems serving lakefront residences are in many cases close to the shoreline, this source is thought to be a relatively small contributor of phosphorus (about 20% of the excess phosphorous in the lake). An engineering report was issued documenting the water quality of the lake. (Hamilton County and Beecher Park Assoc, 1993)

#### 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 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

Lake Eaton 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)

# Mud Pond ( 0903-0185)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..P241-27- 3-P250	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/030	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake		Raquette River
<b>Waterbody Size:</b>	64.4 Acres	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Seg Description:</b>	entire lake	<b>Quad Map:</b>	KEMPSHALL MTN. (E-23-B)

## 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

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

## Further Details

### Water Quality Sampling

Monitoring of Mud 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)

# Mosquito Pond (0903-0186)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P241-27- 3-P251  
**Hydro Unit Code:** 04150305/030      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 11.3 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** KEMPSHALL MTN. (E-23-B)

## 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 Mosquito 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)

# McRorie Lake/Rock Pond ( 0903-0187)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..P241-27- 3-P252	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/030	<b>Str Class:</b>	B
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Waterbody Size:</b>	397.4 Acres	<b>Quad Map:</b>	KEMPSHALL MTN. (E-23-B)
<b>Seg Description:</b>	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

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

## Further Details

### Water Quality Sampling

Monitoring of McRorie Lake/Rock/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)

# Grampus Lake, Moonshine Pd, Mohegan Lake (0903-0188)NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P241-27- 7-P255 to P257    **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/030    **Str Class:** C    Raquette River  
**Waterbody Type:** Lake    **Reg/County:** 5/Hamilton Co. (21)  
**Waterbody Size:** 400.5 Acres    **Quad Map:** KEMPSHALL MTN. (E-23-B)  
**Seg Description:** total are of all three lakes

## 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  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

### Water Quality Sampling

Monitoring of Grampus Lake, Moonshine Pond and Mohegan Lake 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)

# Anthony Ponds, Hedgehog Pond ( 0903-0192)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P241-32-P272 thru P275  
**Hydro Unit Code:** 04150305/030      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 6.3 Acres  
**Seg Description:** total area of select lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** KEMPSHALL MTN. (E-23-B)

## 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  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

### Water Quality Sampling

Monitoring of Anthony and Hedgehog Ponds 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)

### Segment Description

This segment includes the total area of First Anthony (P272), Second Anthony (P273), Third Anthony (P274) and Hedgehog (P275) Ponds.

# Forked Lake ( 0903-0080)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1 (portion 13)/P276  
**Hydro Unit Code:** 04150305/020      **Str Class:** B  
**Waterbody Type:** Lake  
**Waterbody Size:** 764.7 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## 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  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Forked 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 Forked Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of largemouth and 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 2004-05. (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 (NEIWPCC), 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 Forked 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

Forked 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)

# Pilgrim Pond ( 0903-0043)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P241..P276..P278  
**Hydro Unit Code:** 04150305/020      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 14.4 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in Pilgrim Pond is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1986) revealed a pH below 5.0. Aquatic life in this segment is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

### Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Pilgrim Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

# Raquette Lake ( 0903-0081)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1 (portion 14)/P293  
**Hydro Unit Code:** 04150305/010      **Str Class:** AA  
**Waterbody Type:** Lake  
**Waterbody Size:** 5196.8 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## 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  
**TMDL/303d Status:** 2b->4a

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Raquette 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 Blue Mountain Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of largemouth 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

Raquette Lake 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)

# Eldon Lake ( 0903-0214)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P293- 2-P300  
**Hydro Unit Code:** 04150305/010      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 120.5 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## 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 Eldon Lake 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)

# Blue Mountain Lake ( 0903-0204)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL- 1-P109..P293- 4-P307  
**Hydro Unit Code:** 04150305/010      **Str Class:** A(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 1235.0 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BLUE MOUNTAIN (F-23-0)

## 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  
**TMDL/303d Status:** 2b->4a

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Blue Mountain 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 Blue Mountain Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of larger largemouth bass (over 15 inches) and larger smallmouth bass (over 15 inches) 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

Blue Mountain Lake 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)

# Minnow Pond ( 0903-0206)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P293- 4-P307-P311  
**Hydro Unit Code:** 04150305/010      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 108.5 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BLUE MOUNTAIN (F-23-0)

## 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 Minnow 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)

# Mohegan Lake ( 0903-0208)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P293- 6-11-P312  
**Hydro Unit Code:** 04150305/010      **Str Class:** B(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 118.2 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** WEST CANADA LAKES (G-22-0)

## 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 Mohegan /Lake 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)

# Aluminum Pond ( 0903-0006)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P293- 6-P313- 5-P315  
**Hydro Unit Code:** 04150305/010      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 18.7 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH between 5.5 and 6.0 in Aluminum Pond (P315). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Aluminum Pond. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Aluminum Pond was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

# Lower, Upper Browns Tract Pond ( 0903-0210)

NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 1-P109..P293- 8-P316,P317  
**Hydro Unit Code:** 04150305/010      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 209.7 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## 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 Lower and Upper Browns Tract Ponds 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)

# Haymarsh Ponds, Lone Pond, more ( 0903-0017)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P293-13..P321,P322,P331 **Drain Basin:** Saint Lawrence River  
**Hydro Unit Code:** 04150305/010 **Str Class:** C(T) Raquette River  
**Waterbody Type:** Lake **Reg/County:** 5/Hamilton Co. (21)  
**Waterbody Size:** 15.6 Acres **Quad Map:** RAQUETTE LAKE (F-22-0)  
**Seg Description:** total area of both lakes

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH between 5.5 and 6.0 in Upper Haymarsh Pond (P322), Lone Pond (P331) and unnamed pond (P323). Aquatic life in these lake are considered to be impaired.

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Upper Haymarket Pond. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Lone Pond and unnamed pond (P323) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as Smaller Lakes Impaired by Acid Rain. Upper Haymarket Pond was included on previous Section 303(d) Lists, but was delisted in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of Lower and Upper Haymarsh Ponds (P321, P322), as well as the smaller one Pond (P331) and unnamed pond (P323).

## Shallow Lake ( 0903-0213)

NoKnownImpct

### Waterbody Location Information

Revised: 01/23/2009

<b>Water Index No:</b>	SL- 1-P109..P293-13..P324	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150305/010	<b>Str Class:</b>	FP
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	5/Hamilton Co. (21)
<b>Waterbody Size:</b>	282.6 Acres	<b>Quad Map:</b>	RAQUETTE LAKE (F-22-0)
<b>Seg Description:</b>	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

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

### Further Details

#### Water Quality Sampling

Monitoring of Shallow Lake 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)

# Pelcher Pond ( 0903-0002)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P293-13..P324- 1-P325  
**Hydro Unit Code:** 04150305/010      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 45.1 Acres  
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** RAQUETTE LAKE (F-22-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** n/a

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1979) revealed a pH below 5.0 in Pelcher Pond. Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Pelcher Pond. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

Pelcher Pond was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

# Queer Lake, Middle Chain Pond ( 0903-0211)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 1-P109..P293-13..P329,P327  
**Hydro Unit Code:** 04150305/010      **Str Class:** FP  
**Waterbody Type:** Lake  
**Waterbody Size:** 131.3 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Raquette River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** BIG MOOSE (F-21-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION  
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  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** Low

## Further Details

### Overview

Aquatic life support in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical surveys of some of the lakes in this segment indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH below 5.0 in Lower, Middle and Upper Chain Ponds (P326, P327, P328) and unnamed pond (P330). Aquatic life in these ponds is considered to be impaired. (DEC/DOW, BWAM, 2008)

### Water Quality Management/TMDL

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including the Chain Ponds and unnamed pond (P330). Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes in NYS Forest Preserve, DEC/DOW, BWAM, August 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

#### Section 303(d) Listing

The Chain Ponds were included on previous Section 303(d) Lists, but were delisted in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

#### Segment Description

This segment includes the total area of Queer Lake (P329), Lower, Middle and Upper Chain Ponds (P326, P327, P328), and unnamed pond P330).

This page intentionally left blank.