# Waterbody Inventory for Grass River Watershed

| Water Index Number | Waterbody Segment | Category |
|---|---|---|
| **Lower/Middle Grass River Watershed** | | |
| SL- 2 (portion 1) | Grass River, Lower, and tribs (0904-0009) | **Impaired Seg** |
| SL- 2 (portion 2) | Grass River, Middle, and tribs (0904-0008) | **Need Verific** |
| SL- 2 (portion 3) | Grass River, Middle, and tribs (0904-0015) | UnAssessed |
| **Little River Watershed** | | |
| SL- 2-22 | Little River, Lower, and minor tribs (0904-0018) | UnAssessed |
| SL- 2-22 | Little River, Upper, and tribs (0904-0019) | **MinorImpacts** |
| SL- 2-22- 1 | Tracy Brook and tribs (0904-0020) | UnAssessed |
| SL- 2-22- 2 | Grannis Brook and tribs (0904-0021) | **NoKnownImpct** |
| **Upper Grass River Watershed** | | |
| SL- 2 (portion 4) | Grass River, Upper, and minor tribs (0904-0016) | UnAssessed |
| SL- 2 (portion 5) | Grass River, Upper, and minor tribs (0904-0017) | UnAssessed |
| SL- 2-25 | Harrison Creek and minor tribs (0904-0022) | UnAssessed |
| SL- 2-25- 2 | Elm Creek and tribs (0904-0023) | **NoKnownImpct** |
| SL- 2-25- 2-22-P290 | Cedar Lake (0904-0024) | UnAssessed |
| SL- 2-25- 3 | Tanner Creek and tribs (0904-0025) | **MinorImpacts** |
| SL- 2-25- 3-12-P291 | Huckleberry Lake (0904-0026) | UnAssessed |
| SL- 2-25- 3-12-P292 | Moon Lake (0904-0027) | UnAssessed |
| SL- 2-25- 3-18-P293 | Trout Lake (0904-0028) | UnAssessed |
| **Plumb Brook Watershed** | | |
| SL- 2-45 | Plumb Brook and tribs (0904-0029) | **NoKnownImpct** |
| SL- 2-45-11- 3-P295 | Worden Pond (0904-0030) | UnAssessed |
| SL- 2-45-15-P296 | Sweet Pond (0904-0031) | UnAssessed |
| SL- 2-45-17-P299,P300 | Orebed Ponds (0904-0032) | UnAssessed |
| SL- 2-45..P301,P302,P303 | Long Pond, Greenfield Pond, Round Pond (0904-0033) | UnAssessed |
| **North Branch Grass River Watershed** | | |
| SL- 2-48 | North Branch Grass River, Low, and tribs (0904-0034) | **Need Verific** |
| SL- 2-48 | North Branch Grass River, Upp, and tribs (0904-0035) | UnAssessed |
| SL- 2-48- 4- 1-P306 | Clear Lake (0904-0036) | **NoKnownImpct** |
| SL- 2-48- 5-P308 | Mud Pond (0904-0037) | UnAssessed |
| SL- 2-48- 5-P308- 1-P309 | Horseshoe Pond (0904-0038) | UnAssessed |
| SL- 2-48- 9-P314 | Cranberry Pond (0904-0039) | **NoKnownImpct** |
| SL- 2-48-10-P315,P317 | Twin Pond, L Pond (0904-0040) | **NoKnownImpct** |
| SL- 2-48-19-P320a | Ormsbee Pond (0904-0041) | **NoKnownImpct** |
| SL- 2-48-20-P321 | Long Pond (0904-0042) | **NoKnownImpct** |
| SL- 2-48-22-P323 | Church Pond (0904-0043) | UnAssessed |

# ...Grass River Watershed

| Water Index Number | Waterbody Segment | Category |
|---|---|---|
| **Upper Grass River Watershed (above North Branch)** | | |
| SL- 2-57-P329 | Boyd Pond (0904-0044) | **NoKnownImpct** |
| **Middle Branch Grass River Watershed** | | |
| SL- 2-58 | Middle Branch Grass River and tribs (0904-0045) | **NoKnownImpct** |
| SL- 2-58- 9-P331 | Parameter Pond (0904-0046) | UnAssessed |
| SL- 2-58-12-P332 | Tracy Pond (0904-0047) | **NoKnownImpct** |
| SL- 2-58-14- 2-P335 | Blue Pond (0904-0048) | **NoKnownImpct** |
| SL- 2-58-15-P336,P337 | Little Blue Pond, Clear Pond (0904-0049) | **NoKnownImpct** |
| SL- 2-58-16-P341 | Pleasant Lake (0904-0050) | **NoKnownImpct** |
| **South Branch Grass River Watershed** | | |
| SL- 2-59 | South Branch Grass River, Low, and tribs (0904-0051) | **NoKnownImpct** |
| SL- 2-59 | South Branch Grass River, Mid, and tribs (0904-0052) | **NoKnownImpct** |
| SL- 2-59 | South Branch Grass River, Upp, and tribs (0904-0053) | UnAssessed |
| SL- 2-59-13-P342,P343 | Mile Pond, Allen Pond (0904-0054) | UnAssessed |
| SL- 2-59-18- 1-P343a | Pine Marsh Pond (0904-0055) | UnAssessed |
| SL- 2-59-18-P344,P345 | Little Moosehead Pond, Moosehead Pond (0904-0056) | **NoKnownImpct** |
| SL- 2-59-24-P347 | Cook Pond (0904-0057) | UnAssessed |
| SL- 2-59-27-P348,P249,P350 | Brother Ponds (Massawepie Pond) (0904-0058) | UnAssessed |
| SL- 2-59-31-P351 | Silver Lake (0904-0059) | **NoKnownImpct** |
| SL- 2-59-32- 1-P352 | Sampson Pond (0904-0060) | UnAssessed |
| SL- 2-59-32- 2-P355 | Sevey Pond (0904-0061) | UnAssessed |
| SL- 2-59-32..P359,P361,P362 | Len Pond, Wolf Pond, Beaver Pond (0904-0002) | **Impaired Seg** |
| SL- 2-59-34-P364 | Balsam Pond (0904-0062) | UnAssessed |
| SL- 2-59-36-P366 | Grass River Flow (0904-0063) | **NoKnownImpct** |
| SL- 2-59-37-P367 | Jocks Pond (0904-0064) | UnAssessed |
| SL- 2-59-39-P368 | Pine Pond (0904-0065) | **NoKnownImpct** |
| SL- 2-59-39-P369 | Massawepie Lake (0904-0066) | **NoKnownImpct** |
| SL- 2-59-39-P369- 2-P370 | Catamount Pond (0904-0067) | **NoKnownImpct** |
| SL- 2-59-39-P369..P371 thru P374 | Townline, Deer, Horseshoe, Boottree Pds (0904-0068) | UnAssessed |
| SL- 2-59-40-P375 | Burntbridge Pond (0904-0069) | **NoKnownImpct** |
| SL- 2-59-46-P376 | Center Pond (0904-0070) | UnAssessed |

# Grass River, Lower, and tribs ( 0904-0009) Impaired Seg

## Waterbody Location Information

Revised: 01/15/2009

**Water Index No:** SL- 2 (portion 1)
**Hydro Unit Code:** 04150304/090 **Str Class:** B
**Waterbody Type:** River
**Waterbody Size:** 29.9 Miles
**Seg Description:** stream and tribs, from mouth to Massena

**Drain Basin:** Saint Lawrence River
Grass 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 |
|---|---|---|
| FISH CONSUMPTION | Precluded | Known |

**Type of Pollutant(s)**

Known: PRIORITY ORGANICS (PCBs)
Suspected: - - -
Possible: - - -

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

Known: TOX/CONTAM. SEDIMENT (PCBs), Industrial (ALCOA)
Suspected: - - -
Possible: - - -

## Resolution/Management Information

**Issue Resolvability:** 3 (Strategy Being Implemented)
**Verification Status:** 5 (Management Strategy has been Developed)
**Lead Agency/Office:** DER/Reg6 **Resolution Potential:** Medium
**TMDL/303d Status:** 2b (Multiple Segment/Categorical Water, Fish Consumption)

## Further Details

Overview
Fish consumption in this portion of the Grass River is impaired by priority organics (PCBs) in river sediments attributed to past discharges and continuing runoff from industrial waste sites.

Fish Consumption
Fish consumption in this portion of the Grass River is impaired due to a NYSDOH health advisory that recommends eating no fish of any species. The fish consumption advisory, which apply from the mouth to the Massena Power Canal, are a result of PCB contamination. Advisories for the Grass River were first issued prior to 1998-99. (2008-09 NYSDOH Health Advisories and DEC/DFWMR, Habitat, December 2008)

Industrial and Hazardous Waste Sites
The lower six miles of the river is significantly affected by activity at a number of industrial facilities in the area. The most prominent of these is ALCOA in Massena. More than a dozen separate hazardous waste sites have been identified on ALCOA's 3500 acre facility. Landfills, disposal sites, storm water runoff and waste water discharges from the ALCOA facility have resulted in PCB and other priority pollutant contamination of soils, groundwater, river sediments, fish and wildlife in and along the Lower Grass and St. Lawrence Rivers. In fact a 1,000 acre portion of the Grass River itself has been

designated a Class 2 Hazardous Waste Site. Remediation of these contaminant sources are in various stages of completion. (DEC/DER, Environmental Site Remediation Database, December 2008)

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.

Water Quality Sampling

A biological (macroinvertebrate) assessment of the Grass River in Massena Center was conducted in 1997. Multiplate sampling results indicated slightly impacted water quality conditions. Similar slight impacts were noted in sampling in 1977, 83, 86, and 91, however minor improvement appears to have occurred, indicated by a reduction in the percentage of tolerant worms in the sample. (DEC/DOW, BWAM/SBU, 2004)

The St. Regis Mohawk Nation has conducted several studies documenting PCBs in fish tissue around these facility discharges (S.Martin, memo to Phil Waite, March 1998).

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to the Massena Power Canal in Massena. The waters of this portion of the stream are Class B. Tribs to this reach/segment are Class C. Other portions of the Grass River are listed separately.

# Grass River, Middle, and tribs ( 0904-0008) Need Verific

## Waterbody Location Information

Revised: 01/15/2009

**Water Index No:** SL- 2 (portion 2)
**Hydro Unit Code:** 04150304/080 **Str Class:** B
**Waterbody Type:** River
**Waterbody Size:** 94.9 Miles
**Seg Description:** stream and tribs, from Massena to Madrid

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** MASSENA (B-21-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

**Type of Pollutant(s)**

Known: - - -
Suspected: NUTRIENTS
Possible: Silt/Sediment

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

Known: - - -
Suspected: AGRICULTURE
Possible: Municipal (Canton WWTP), On-Site/Septic Syst, Streambank Erosion

## Resolution/Management Information

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

## Further Details

Overview
Aquatic life support and recreational uses in this portion of the Grass River may experience minor impacts. Possible sources are nutrient and sediment loads from heavy agricultural activity and other nonpoint sources in the watershed.

Water Quality Sampling
A biological (macroinvertebrate) assessment of the Grass River in Massena Center, just below this reach, was conducted in 1997. Multiplate sampling results indicated slightly impacted water quality conditions. Similar slight impacts were noted in sampling in 1977, 83, 86, and 91, however minor improvement appears to have occurred, indicated by a reduction in the percentage of tolerant worms in the sample. Samples collected in 1992 just above Massena (at Route 37) and in Louisville (at Route 39) revealed non-impacted conditions. (DEC/DOW, BWAM/SBU, 2004)

Source Assessment
The Grass River drains a majority of St. Lawrence County's extensive dairy operations. Agricultural runoff from these farms often flows directly into the river. Cows wading in the river is also a common site. Failing and/or inadequate on-site septic systems, and the municipal WWTP in Canton (v) have also been suggested as possible contributors to water quality problems.

(St. Lawrence County WQCC, 1995)

Segment Description
This segment includes the portion of the stream and all tribs from the Massena Power Canal in Massena to the dam in Madrid. The waters of this portion of the stream are Class B. Tribs to this reach/segment are Class C. Other portions of the Grass River are listed separately.

# Little River, Upper, and tribs ( 0904-0019) MinorImpacts

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 2-22
**Hydro Unit Code:** 04150304/060 **Str Class:** AA
**Waterbody Type:** River
**Waterbody Size:** 57.8 Miles
**Seg Description:** stream and tribs, above North Russell

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** CANTON (C-20-4)

## 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, Silt/Sediment
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: AGRICULTURE, Urban/Storm Runoff
Possible: - - -

## Resolution/Management Information

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

## Further Details

Overview
Aquatic life support in this portion of the Little River is thought to experience minor impacts due to nutrient and silt/sediment loadings from agricultural and other nonpoint sources.

Water Quality Sampling
NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Little River in Canton, Saint Lawrence County, (at Pike 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 slightly impacted water quality conditions. The Nutrient Biotic Index indicated eutrophic conditions for phosphorus and nitrogen. Results of Impact Source Determination were inconclusive in identifying sources of water quality impact. The community was dominated by many facultative riffle beetles and non-biting midges as well as some clean-water mayflies. Macroinvertebrates collected at this site and chemically analyzed for selected metals, PAHs, PCBs, and organochlorine pesticides show an elevated level of both chromium and titanium. The source of these substances chromium is likely to be anthropogenic, but it has not been identified. 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. 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 (eutrophication, chromium), aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Little River, at Canton (at ) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. The sample was assessed as slightly impacted. The macroinvertebrate community was dominated by the riffle beetle *Promoresia elegans*. The nutrient biotic index indicated highly eutrophic conditions. Results of impact source determination were inconclusive. (DEC/DOW, BWAM/SBU, December 2008)

Segment Description
This segment includes the portion of the stream and all tribs above Deer Lick Brook (-16) near North Russell. The waters of this portion of the stream are Class AA. Tribs to this reach/segment, including Van Rensselaer Creek (-19), are Class AA,AA(T). Lower Little River are listed separately.

# Grannis Brook and tribs ( 0904-0021) NoKnownImpct

## Waterbody Location Information

Revised: 12/12/2008

**Water Index No:** SL- 2-22- 2
**Hydro Unit Code:** 04150304/060 **Str Class:** C
**Waterbody Type:** River
**Waterbody Size:** 79.5 Miles
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** CANTON (C-20-4)

## 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
A biological (macroinvertebrate) assessment of Grannis Brook at Crary Mills (at Church Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate community contained many clean water mayflies, caddisflies, and stoneflies. The nutrient biotic index did indicate mesotrophic conditions for both phosphorus and nitrate. The sample was dominated by the facultative riffle beetle *Stenelmis crenata* which is common in slightly enriched environments. Impact source determination suggested a natural community. In spite of these minor impacts, aquatic life is considered to be 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,C(T). Tribs to this reach/segment, including Boyden Brook (-2) and Leonard Brook (-6), are Class C,C(T),C(TS).

# Elm Creek and tribs ( 0904-0023) NoKnownImpct

## Waterbody Location Information

Revised: 02/13/2009

**Water Index No:** SL- 2-25- 2
**Hydro Unit Code:** 04150304/050 **Str Class:** C(T)
**Waterbody Type:** River
**Waterbody Size:** 133.0 Miles
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** HERMON (D-20-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| NO USE IMPAIRMNT | | |

**Type of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

## Resolution/Management Information

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

## Further Details

Water Quality Sampling
NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Elm Creek in Hermon, Saint Lawrence County, (at Jefferson 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. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides found elevated levels of pesticides (DDT and DDD). Sediment screening for acute toxicity indicated some toxicity may be present, however, 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. 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 in spite of some concerns that should continue to be monitored (pesticides), aquatic life and recreational uses are fully supported in the stream. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of Elm Creek at Hermon (at Jefferson Street) 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 mesotrophic conditions due to phosphorus and eutrophic conditions due to nitrate. The macroinvertebrate community was dominated by facultative riffle beetles and filter feeding caddisflies, likely a result of the slightly enriched conditions. The good quality riffle habitat at this site was ideal for colonization of clean water macroinvertebrate taxa. Impact source determination suggested a natural community with some nutrient enrichment. In spite of these minor impacts, aquatic life is considered to be fully supported in the stream.

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Cancross Creek (-18), Cedar Lake Stream (-22) and Mill Brook (-25), are Class C,C(T) and D.

# Tanner Creek and tribs ( 0904-0025) MinorImpacts

## Waterbody Location Information

Revised: 01/05/2009

**Water Index No:** SL- 2-25- 3
**Hydro Unit Code:** 04150304/050 **Str Class:** C
**Waterbody Type:** River
**Waterbody Size:** 117.3 Miles
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** HERMON (D-20-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| Aquatic Life | Stressed | Known |

**Type of Pollutant(s)**
Known: NUTRIENTS (phosphorus)
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: AGRICULTURE, Urban/Storm Runoff
Possible: - - -

## Resolution/Management Information

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

## Further Details

Overview
Aquatic life support in Tanner creek are known to experience minor impacts due to elevated nutrient loadings from agricultural and other nonpoint sources.

Water Quality Sampling
A biological (macroinvertebrate) assessment of Tanner Creek at Hermon (at Pooler Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. The macroinvertebrate fauna was dominated by filter feeding caddisflies and non-biting midges. The nutrient biotic index suggested eutrophic conditions for phosphorus and mesotrophic conditions for nitrate. Impact Source Determination supported this result and identified non-point source nutrient enrichment as the dominant stressor. The macroinvertebrate fauna was dominated by facultative filter feeding caddisflies in the family Hydropsychidae. 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. Tribs to this reach/segment, including Carter Creek (-12), Brandy Brook (-16) and Trout Lake Outlet (-18), are also Class C.

# Plumb Brook and tribs ( 0904-0029) NoKnownImpct

## Waterbody Location Information

Revised: 01/15/2009

**Water Index No:** SL- 2-45
**Hydro Unit Code:** 04150304/040 **Str Class:** C(T)
**Waterbody Type:** River
**Waterbody Size:** 115.4 Miles
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** HERMON (D-20-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| NO USE IMPAIRMNT | | |

**Type of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

## Resolution/Management Information

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

## Further Details

Water Quality Sampling
A biological (macroinvertebrate) assessment of Plumb Brook, South of Russell (at Blanchard Hill 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 mayflies, caddisflies and midges. (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(T). Tribs to this reach/segment, including Orebed Creek (-17), are Class C,C(T),C(TS) and D.

# North Branch Grass River, Low, and tribs ( 0904-0034) Need Verific

## Waterbody Location Information

Revised: 01/16/2009

| | | | | | |
|---|---|---|---|---|---|
| **Water Index No:** | SL- 2-48 | | | **Drain Basin:** | Saint Lawrence River |
| **Hydro Unit Code:** | 04150304/030 | **Str Class:** | C(T) | | Grass River |
| **Waterbody Type:** | River | | | **Reg/County:** | 6/St.Lawrence Co. (45) |
| **Waterbody Size:** | 57.4 Miles | | | **Quad Map:** | WEST PIERREPONT (D-20-2) |
| **Seg Description:** | stream and tribs, from mouth to nr Gleasons Mills | | | | |

## 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: - - -
Possible: OTHER POLLUTANTS

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

Known: - - -
Suspected: - - -
Possible: UNKNOWN SOURCE

## Resolution/Management Information

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

## Further Details

Overview
Aquatic life support in this portion of the North Branch Grass River may experience impacts. Sampling is inconclusive and possible sources of impact have not been identified.

Water Quality Sampling
A biological (macroinvertebrate) assessment of the North Branch Grass River at Brouses Corners (at CR 27) was conducted in 2004 during the RIBS Biological Screening effort in the basin. The sample was collected using a net jab due to soft bottom sediments and absence of riffle habitat. Sampling results indicated poor water quality conditions. Mayflies, stoneflies, caddisflies, and beetles were absent, and the sample contained an abundance of pollution tolerant midges and worms. However, due to the less than suitable sampling habitat, additional sampling to verify conditions are recommended. (DEC/DOW, BWAM/SBU, December 2008)

Segment Description
This segment includes the portion of the stream and all tribs from the mouth to/including Gulf Creek (-8) near Gleasons Mills. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Bucks Brook (-4) and Gulf Creek (-8), are Class C,C(T),C(TS). Upper North Branch is listed separately.

# Clear Lake ( 0904-0036) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-48- 4- 1-P306
**Hydro Unit Code:** 04150304/030 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 28.7 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** WEST PIERREPONT (D-20-2)

## 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 Clear 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)

# Cranberry Pond ( 0904-0039) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-48- 9-P314
**Hydro Unit Code:** 04150304/030 **Str Class:** C
**Waterbody Type:** Lake
**Waterbody Size:** 7.1 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** ALBERT MARSH (D-21-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| NO USE IMPAIRMNT | | |

**Type of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

## Resolution/Management Information

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

## Further Details

Water Quality Sampling
Monitoring of Cranberry 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)

# Twin Pond, L Pond ( 0904-0040) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-48-10-P315,P317
**Hydro Unit Code:** 04150304/030 **Str Class:** C
**Waterbody Type:** Lake
**Waterbody Size:** 35.6 Acres
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** ALBERT MARSH (D-21-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| NO USE IMPAIRMNT | | |

**Type of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

## Resolution/Management Information

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

## Further Details

Water Quality Sampling
Monitoring of Twin and L 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)

# Ormsbee Pond ( 0904-0041) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-48-19-P320a
**Hydro Unit Code:** 04150304/030 **Str Class:** C
**Waterbody Type:** Lake
**Waterbody Size:** 21.1 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass 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 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)

# Long Pond ( 0904-0042) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-48-20-P321
**Hydro Unit Code:** 04150304/030 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 13.8 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass 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 Long 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)

# Boyd Pond ( 0904-0044) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-57-P329
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 84.9 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** WEST PIERREPONT (D-20-2)

## 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 Boyd 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)

# Middle Branch Grass River and tribs ( 0904-0045) NoKnownImpct

## Waterbody Location Information

Revised: 01/15/2009

**Water Index No:** SL- 2-58
**Hydro Unit Code:** 04150304/020 **Str Class:** C(T)
**Waterbody Type:** River
**Waterbody Size:** 150.9 Miles
**Seg Description:** entire stream and tribs

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** WEST PIERREPONT (D-20-2)

## 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 the Middle Branch Grass River, North of Degrasse (at CR 27) 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 midges, caddisflies, and mayflies. (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(T). Tribs to this reach/segment, including Alder Brook (-5), Tracy Pond Outlet (-12), Deerskin Brook (-14), Blue Mountain Stream (-15) and Pleasant Stream (-16), are Class C,C(T).

# Tracy Pond ( 0904-0047) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-58-12-P332
**Hydro Unit Code:** 04150304/020 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 27.7 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** TOOLEY POND (D-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 Tracy 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)

# Blue Pond ( 0904-0048) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-58-14- 2-P335
**Hydro Unit Code:** 04150304/020 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 5.1 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass 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 Blue 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)

# Little Blue Pond, Clear Pond ( 0904-0049) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-58-15-P336,P337
**Hydro Unit Code:** 04150304/020 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 44.1 Acres
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** BROTHER PONDS (D-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 Little Blue Pond and 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)

# Pleasant Lake ( 0904-0050) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-58-16-P341
**Hydro Unit Code:** 04150304/020 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 41.6 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** BROTHER PONDS (D-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 Pleasant 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)

# South Branch Grass River, Low, and tribs ( 0904-0051) NoKnownImpct

## Waterbody Location Information

Revised: 12/12/2008

**Water Index No:** SL- 2-59
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** River
**Waterbody Size:** 106.3 Miles
**Seg Description:** stream and tribs, from mouth to Newbridge

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** DEGRASSE (D-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
A biological (macroinvertebrate) assessment of the South Branch of the Grass River at Degrasse (at County Route 27) 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 suggested oligotrophic conditions and impact source determination results were inconclusive. The macroinvertebrate fauna was dominated by the intolerant filter feeding caddisfly *Dolophilodes sp.*. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description
This segment includes the portion of the stream and all tribs from the mouth to/including Big Swamp Creek (-17) in Newbridge. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Colton Creek (-1), are Class C,C(T). Middle/Upper South Branch are listed separately.

# South Branch Grass River, Mid, and tribs ( 0904-0052) NoKnownImpct

## Waterbody Location Information

Revised: 01/05/2009

**Water Index No:** SL- 2-59
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** River
**Waterbody Size:** 121.7 Miles
**Seg Description:** stream and tribs, from Newbridge to Brandy Brook

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** TOOLEY POND (D-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
A biological (macroinvertebrate) assessment of the South Branch of the Grass River at Degrasse (at County Route 27) 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 suggested oligotrophic conditions and impact source determination results were inconclusive. The macroinvertebrate fauna was dominated by the intolerant filter feeding caddisfly *Dolophilodes sp.*. (DEC/DOW, BWAM/SBU, December 2008)

Segment Description
This segment includes the portion of the stream and all tribs from Big Swamp Creek (-17) in Newbridge to/including Dead Creek (-32) near Brandy Brook. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Moosehead Pond Outlet (-18), Cook Pond Outlet (-24) and Dead Creek (-32), are Class C,C(T). Lower/Upper South Branch are listed separately.

# Little Moosehead Pond, Moosehead Pond ( 0904-0056) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-18-P344,P345
**Hydro Unit Code:** 04150304/010 **Str Class:** C
**Waterbody Type:** Lake
**Waterbody Size:** 70.5 Acres
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** NEWTON FALLS (E-21-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

| Use(s) Impacted | Severity | Problem Documentation |
|---|---|---|
| NO USE IMPAIRMNT | | |

**Type of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

**Source(s) of Pollutant(s)**
Known: - - -
Suspected: - - -
Possible: - - -

## Resolution/Management Information

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

## Further Details

Water Quality Sampling
Monitoring of Moosehead 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)

# Silver Lake ( 0904-0059) NoKnownImpct

## Waterbody Location Information

Revised: 11/13/2008

**Water Index No:** SL- 2-59-31-P351
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 113.2 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** CRANBERRY LAKE (E-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
Silver Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1996 and continuing through 2006. An Interpretive Summary report of the findings of this sampling was published in 2007. These data indicate that the lake continues to be best characterized as mesotrophic, or moderately productive. Phosphorus levels in the lake rarely exceed the state guidance values indicating impacted/stressed recreational uses, although levels have been higher in recent years. Corresponding transparency measurements meet 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, although lower readings have been occasionally recorded. The lake water is weak to moderately colored. (DEC/DOW, BWAM/CSLAP, November 2007)

Monitoring of Silver 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. (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 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" and "excellent." The lake itself is most often described as "not quite crystal clear," an assessment that is consistent measured water quality characteristics. Assessments have noted that aquatic plants grow to the lake surface but aquatic weed growth has not been cited as having an impact on uses. Aquatic plants are dominated by native species; invasive/exotic species have not been identified. (DEC/DOW, BWAM/CSLAP, November 2007)

Lake Uses

This lake waterbody is designated class C(T), suitable for general recreation use 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.

# Len Pond, Wolf Pond, Beaver Pond ( 0904-0002) Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL- 2-59-32..P359,P361,P362
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 56.0 Acres
**Seg Description:** total area of all three lakes

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** BROTHER PONDS (D-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 **Resolution Potential:** n/a
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

## Further Details

Overview
Aquatic life support in Wolf 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 in Wolf Pond. 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. Wolf 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 Len Pond (P359), Wolf Pond (P361), Beaver Pond (P362).

# Grass River Flow ( 0904-0063) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-36-P366
**Hydro Unit Code:** 04150304/010 **Str Class:** C(T)
**Waterbody Type:** Lake
**Waterbody Size:** 187.0 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** 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

**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 Grass River 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. 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)

# Pine Pond ( 0904-0065) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-39-P368
**Hydro Unit Code:** 04150304/010 **Str Class:** C
**Waterbody Type:** Lake
**Waterbody Size:** 15.7 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** 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

**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 Pine 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)

# Massawepie Lake ( 0904-0066) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-39-P369
**Hydro Unit Code:** 04150304/010 **Str Class:** B
**Waterbody Type:** Lake
**Waterbody Size:** 439.6 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** 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

**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 Massawepie 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)

# Catamount Pond ( 0904-0067) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-39-P369- 2-P370
**Hydro Unit Code:** 04150304/010 **Str Class:** B(T)
**Waterbody Type:** Lake
**Waterbody Size:** 103.1 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass River
**Reg/County:** 6/St.Lawrence Co. (45)
**Quad Map:** 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

**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 Catamount 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)

# Burntbridge Pond ( 0904-0069) NoKnownImpct

## Waterbody Location Information

Revised: 01/23/2009

**Water Index No:** SL- 2-59-40-P375
**Hydro Unit Code:** 04150304/010 **Str Class:** FP
**Waterbody Type:** Lake
**Waterbody Size:** 55.3 Acres
**Seg Description:** entire lake

**Drain Basin:** Saint Lawrence River
Grass 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 Burntbridge 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)

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