

Waterbody Inventory for English/Salmon Rivers Watershed

Water Index Number	Waterbody Segment	Category
English River Watershed		
SL(C)- 4 thru 5	English River and tribs (0902-0050)	Need Verific
SL(C)- 6 thru 12	Minor Tribs to Canada (0902-0051)	UnAssessed
SL(C)-13 thru 17	Minor Tribs to Canada (0902-0052)	UnAssessed
SL(C)-18 thru 19	Hinchinbrook Brook and tribs (0902-0053)	UnAssessed
SL(C)-20	Collins Brook and tribs (0902-0054)	UnAssessed
Chateaugay River Watershed		
SL(C)-21 (portion 1)	Chateaugay River, Lower, and minor tribs (0902-0055)	NoKnownImpct
SL(C)-21 (portion 2)/P6, P6a	Lower Chateaugay Lake and Narrows (0902-0056)	Need Verific
SL(C)-21 (portion 3)/P2	Upper Chateaugay Lake (0902-0034)	Impaired Seg
SL(C)-21- 2	Marble River and tribs (0902-0025)	NoKnownImpct
SL(C)-21-P6/P6a-	Tribs to Lower Chateaugay Lake/Narrows (0902-0041)	UnAssessed
SL(C)-21-P6/P6b- 1 thru 13 (select)	Minor Tribs to Upper Chateaugay Lakes (0902-0057)	UnAssessed
SL(C)-21-P6b- 6	Ouleout Creek and tribs (0902-0058)	UnAssessed
SL(C)-21-P6b- 7	Separator Brook and tribs (0902-0059)	NoKnownImpct
SL(C)-21-P6b- 7- 3-P7	Bradley Pond (0902-0060)	NoKnownImpct
SL(C)-21-P6b-10	Upper Chateaugay Lake Inlet and tribs (0902-0061)	NoKnownImpct
SL(C)-21-P6b-10- 5	Standish Brook, Upper, and tribs (0902-0062)	NoKnownImpct
SL(C)-21-P6b-10- 5- 1- 1-P2a,P2b	Twin Ponds (0902-0063)	UnAssessed
SL(C)-21-P6b-11-P2c	Mountain Pond (0902-0064)	UnAssessed
Trout River Watershed		
SL(C)-22 thru 24	Minor Tribs to Canada (0902-0065)	UnAssessed
SL(C)-25	Trout River, Lower, and minor tribs (0902-0066)	NoKnownImpct
SL(C)-25	Trout River, Upper, and tribs (0902-0067)	UnAssessed
SL(C)-25- 4	Little Trout Creek, Lower, and tribs (0902-0068)	UnAssessed
SL(C)-25- 4	Little Trout River, Upper, and tribs (0902-0069)	UnAssessed
SL(C)-25-10	Collins Brook and tribs (0902-0070)	UnAssessed
SL(C)-26 thru 28	Minor Tribs to Canada (0902-0071)	UnAssessed
Salmon River Watershed		
SL(C)-29	Salmon River, Lower, and minor tribs (0902-0040)	Threatened
SL(C)-29	Salmon River, Upper, and minor tribs (0902-0031)	Threatened
SL(C)-29- 1	Little Salmon R, Lower, and minor tribs (0902-0044)	NoKnownImpct
SL(C)-29- 1	Little Salmon R, Upper, and tribs (0902-0072)	UnAssessed
SL(C)-29- 1- 3	Farrington Brook and tribs (0902-0073)	UnAssessed
SL(C)-29- 1-P22,P23,P24,P25	Twin Ponds, Little/Big Duck Ponds (0902-0074)	UnAssessed
SL(C)-29- 2- 1	East Branch Deer River and tribs (0902-0075)	MinorImpacts
SL(C)-29- 2- 2	West Branch Deer River and tribs (0902-0076)	NoKnownImpct

...English/Salmon Rivers Watershed

Water Index Number	Waterbody Segment	Category
Salmon River Watershed (con't)		
SL(C)-29- 6	Branch Brook/Titus Stream and tribs (0902-0001)	MinorImpacts
SL(C)-29- 6-P28	Lake Titus (0902-0036)	Need Verific
SL(C)-29-13,14	Roaring Brook, Salmon R Trib (0902-0077)	UnAssessed
SL(C)-29-18	Duane Stream and tribs (0902-0078)	UnAssessed
SL(C)-29-18-P38	Debar Pond (0902-0079)	NoKnownImpct
SL(C)-29-21	Hatch Brook and tribs (0902-0080)	NoKnownImpct
SL(C)-29-21- 7- 3-P40	Duck Pond (0902-0081)	UnAssessed
SL(C)-29-21- 7- 8-P41	Grass Pond (0902-0082)	NoKnownImpct
SL(C)-29-22- 1-P47	Owls Head Pond (0902-0083)	UnAssessed
SL(C)-29-22- 3-P48	Drain Pond (0902-0084)	UnAssessed
SL(C)-29-22- 4-P49	Ingraham Pond (0902-0085)	NoKnownImpct
SL(C)-29-27-P62	Plumadore Pond (0902-0086)	NoKnownImpct
SL(C)-29-P26	Lamica Lake (0902-0087)	UnAssessed
SL(C)-29-P50,P51	Mountain View Lake, Indian Lake, more (0902-0030)	Need Verific
SL(C)-29-P50,P51-	Tribs to Mountain View, Indian, Ragged L (0902-0088)	UnAssessed
SL(C)-29-P50- 3- 1-P55	Charlie Pond (0902-0089)	NoKnownImpct
SL(C)-29-P50- 3-P58	Ragged Lake (0902-0090)	NoKnownImpct
SL(C)-29-P50- 3-P58- 4-P59,P60	Figure Eight Pond, Lilypad Pond (0902-0091)	NoKnownImpct
SL(C)-29-P65	Wolf Pond (0902-0006)	Impaired Seg
SL(C)-29-P68	Catamount Pond (0902-0092)	Impaired Seg
SL(C)-31	Pike Creek and tribs (0902-0037)	MinorImpacts

English River and tribs (0902-0050)

Need Verific

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)- 4 thru 5
Hydro Unit Code: 04150307/120 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 105.6 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Clinton Co. (10)
Quad Map: ALTONA (B-26-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Possible

Type of Pollutant(s)

Known: - - -
Suspected: ALGAL/WEED GROWTH, Nutrients
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: HABITAT MODIFICATION
Possible: Agriculture

Resolution/Management Information

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

Further Details

Overview

Recreational uses in English River may experience minor impacts from excessive algae and aquatic plant growth. Biological sampling indicates no impact to macroinvertebrates but support of these other uses should be monitored.

Water Quality Sampling

A biological (macroinvertebrate) assessment of the English River at Cannon Corners (at Bush Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. However, the nutrient biotic index did indicate eutrophic conditions due to phosphorus and an abundance of filamentous green algae was noted in the field. The macroinvertebrate community was also dominated by facultative riffle beetles, filter feeding caddisflies, and non-biting midges. Many clean water stoneflies, mayflies, and caddisflies were noted in the field although they did not dominate the processed subsample. Impact source determination suggested a community affected by siltation and non-point source nutrient enrichment. 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, including Beaver Meadows Creek (SLC-4). The waters of the stream

are Class D/C(T). Tribes to this reach/segment, including Crystal Creek (-8), are Class D/C,C(T).

Chateaugay River, Lower, and minor tribs (0902-0055) NoKnownImpct

Waterbody Location Information

Revised: 02/18/2009

Water Index No: SL(C)-21 (portion 1) **Drain Basin:** Saint Lawrence River
Hydro Unit Code: 04150307/080 **Str Class:** C(TS) English/Salmon River
Waterbody Type: River **Reg/County:** 5/Franklin Co. (17)
Waterbody Size: 76.8 Miles **Quad Map:** BURKE (B-24-1)
Seg Description: stream and select tribs, fr border to L.Chateaugay Lake

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Chateaugay River in Cooks Mill, Franklin County, (at Sam Cook 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. Benthic fauna at this site was diverse and dominated by many clean-water organisms. Water column sampling revealed no parameters of concern. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides found no contaminants to be present in concentrations above established guidance values. Sediment 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 aquatic life and recreational uses are fully supported in the stream. (DEC/DOW, BWAM/RIBS, January 2009)

A biological (macroinvertebrate) assessment of the Chateaugay River, at Cooks Mill (at Sam Cook Road) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. This sample was also assessed as non-impacted.

(DEC/DOW, BWAM/SBU, December 2008)

Habitat/Hydrology Issues

In September 2006 a large volume of sediment was released from behind the Chasm Hydro dam during a maintenance operation. The sediment and resulting significant impacts to the fishery extended downstream for three miles. In the time since the release, the natural flushing of the river has restored much of this reach. (DEC/DFWMR, Region 5, February 2009)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the Canadian Border to the outlet of Lower Chateaugay Lake (P6). The waters of this portion of the stream are Class C(TS). Tribs to this reach/segment, including Allen Brook (-1), are Class C,C(T). Marble River (-2) is listed separately.

Lower Chateaugay Lake and Narrows (0902-0056)

Need Verific

Waterbody Location Information

Revised: 12/05/2008

Water Index No: SL(C)-21 (portion 2)/P6, P6a
Hydro Unit Code: 04150307/080 **Str Class:** B(T)
Waterbody Type: Lake
Waterbody Size: 543.3 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: BRAINARDSVILLE (B-24-3)

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: Nutrients

Source(s) of Pollutant(s)

Known: - - -
Suspected: ON-SITE/SEPTIC SYST
Possible: Agriculture

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 Lower Chateaugay Lake and the Narrows may experience minor impacts/threats due to pathogen and nutrient loadings from on-site wastewater treatment systems that serve shoreline residences. Other nonpoint sources may also contribute to impacts. However conditions regarding these on-site and other impacts and sources need to be verified.

Previous Assessment

It was previously reported that inadequate and/or failing individual on-site septic systems may contributing pathogens and nutrients to these waters which could restrict recreational uses. Single family residences line both banks of the Narrows. Many of these residences were originally seasonal camps that have been rehabilitated for full, year-round use. However, in many cases the septic systems were not upgraded to handle such increased use. This remains one of the fastest growing areas within the town of Ellenburg. (Clinton County WQCC and DEC/DOW, Region 5, 1996)

This segment includes the total area of both Lower Chateaugay Lake (P6) and Chateaugay Narrows (P6a). The waters of these lakes are Class B(T). Tribs to these lakes waters and Upper Chateaugay Lake are listed separately.

Upper Chateaugay Lake (0902-0034)

Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No: SL(C)-21 (portion 3)/P2
Hydro Unit Code: 04150307/080 **Str Class:** B(T)
Waterbody Type: Lake
Waterbody Size: 2564.1 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Clinton Co. (10)
Quad Map: LYON MOUNTAIN (C-25-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: - - -
Suspected: ATMOSPHERIC DEPOSITION, On-Site/Septic Syst
Possible: Agriculture, 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 Upper Chateaugay Lake is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the source of the impairment. Public bathing and other recreational uses in Upper Chateaugay Lake may experience minor impacts/threats due to pathogen and nutrient loadings from on-site wastewater treatment systems that serve shoreline residences. Other nonpoint sources may also contribute to impacts. However conditions regarding these on-site and other nonpoint impacts and sources need to be verified. In addition, water supply uses in the lake may experience minor threats due to various activities in the watershed. The designation of water supply use as threatened is reflective of a need to protect its particular resource value, rather than specifically identified threats.

Fish Consumption

Fish consumption in Upper Chateaugay Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of 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, December 2006).

Previous Assessment

It was previously reported that inadequate and/or failing individual on-site septic systems may be contributing pathogens and nutrients to these waters which could restrict recreational uses. Single family residences line both banks of the Narrows. Many of these residences were originally seasonal camps that have been rehabilitated for full, year-round use. However, in many cases the septic systems were not upgraded to handle such increased use. This remains one of the fastest growing areas within the town of Ellenburg. (Clinton County WQCC and DEC/DOW, Region 5, 1996)

Section 303(d) Listing

Upper Chateaugay 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)

Marble River and tribs (0902-0025)

NoKnownImpct

Waterbody Location Information

Revised: 12/29/2008

Water Index No: SL(C)-21- 2
Hydro Unit Code: 04150307/080 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 83.8 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: CHATEAUGAY (B-24-2)

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 Boardman Brook, a trib to Marble River, at Chateaugay (at Foundry Road off Route 11) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The sample was dominated by clean water mayflies, stoneflies, and non-biting midges. The nutrient biotic index for both phosphorus and nitrate indicated oligotrophic conditions. Impact source determination suggested a natural community. While these conditions are likely representative of the larger segment, the assessment will be noted as evaluated due to the location of the sampling. (DEC/DOW, SWMS/SBU, December 2008)

Previous Assessments

It was previously reported that during spring snowmelt and other major storm events runoff from agricultural fields and manure storage areas was washed into Boardman Brook. This reduces the palatability (taste, color, odor) of the Chateaugay (V) water supply which draws groundwater from a spring house under the influence of the stream. Because of the geology (exposed fractured bedrock) and the influence of the creek, NYSDOH has required the village water supply to be filtered. However this problem has been corrected. The Village of Chateaugay acquired the farm property that was thought to be the primary problem, taken it out of farm production and addressed the manure storage areas. They have also added additional treatment (sand filters) to their water supply system to address any remaining impacts. Neither the Village nor DOH has had

to issue drinking water advisories since these corrective actions. (DEC/DOW, Region 5, December 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 Boardman Brook (-2), are also Class C,C(T).

Separator Brook and tribs (0902-0059)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No:	SL(C)-21-P6b- 7	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/080	Str Class:	C(T)*
Waterbody Type:	River		English/Salmon River
Waterbody Size:	31.8 Miles	Reg/County:	5/Clinton Co. (10)
Seg Description:	entire stream and tribs	Quad Map:	ELLENBURG CENTER (B-25-4)

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 Separator Brook at Lyon Mountain (at Sunset Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The site was host to a diversity of macroinvertebrate fauna. The nutrient biotic index suggested oligotrophic conditions. Impact source determination identified the community as natural. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are primarily Class C(T), with a small upper reach designated Class AA. Tribs to this reach/segment are also Class C,C(T).

Bradley Pond (0902-0060)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL(C)-21-P6b- 7- 3-P7
Hydro Unit Code: 04150307/080 **Str Class:** D/C(T)
Waterbody Type: Lake
Waterbody Size: 110.2 Acres
Seg Description: entire pond

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Clinton Co. (10)
Quad Map: ELLENBURG CENTER (B-25-4)

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 Bradley 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)

Upper Chateaugay Lake Inlet and tribs (0902-0061)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)-21-P6b-10
Hydro Unit Code: 04150307/080 **Str Class:** C
Waterbody Type: River
Waterbody Size: 63.7 Miles
Seg Description: stream and tribs, from mouth to Standish water supply

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: LYON MOUNTAIN (C-25-1)

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 Standish Brook, a trib to the Inlet, at Standish (at Sunset Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. In spite of these minor impacts aquatic life is considered to be fully supported. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to the Standish water supply dam. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Rocky Brook (-4), Lower Standish Brook (-5) and Middle Kiln Brook (-6), are primarily Class C,C(T), with portions designated Class D. Upper Standish Brook is listed separately.

Standish Brook, Upper, and tribs (0902-0062)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)-21-P6b-10- 5
Hydro Unit Code: 04150307/080 **Str Class:** AA(T)
Waterbody Type: River
Waterbody Size: 7.2 Miles
Seg Description: stream and tribs, above Standish water supply

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: LYON MOUNTAIN (C-25-1)

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 Standish Brook below this site at Standish (at Sunset Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. In spite of these minor impacts aquatic life is considered to be fully supported. Though this sampling point is just below the described segment, it is considered representative of water quality in the upper reach. This segment is listed as being evaluated rather than monitored. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description

This segment includes the portion of the stream and all tribs above the Standish water supply dam. The waters of this portion of the stream are Class AA(T). Tribs to this reach/segment are Class AA. Lower Standish Brook is listed with Upper Chateaugay Lake Inlet.

Trout River, Lower, and minor tribs (0902-0066)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)-25
Hydro Unit Code: 04150307/060 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 75.6 Miles
Seg Description: stream and select tribs, from mouth to Malone Juntion

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: CONSTABLE (B-23-2)

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
TMDL/303d Status: n/a

Resolution Potential: n/a

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Trout River at Constable (at Stebins Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The site was host to a diversity of macroinvertebrate fauna. (DEC/DOW, BWAM/SBU, November 2008)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Collins Brook (-10) at Malone Junction. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment are also/primarily Class C,C(T). Little Trout River (-4) Collins Brook (-10) and Upper Trout River are listed separately.

Salmon River, Lower, and minor tribs (0902-0040)

Threatened

Waterbody Location Information

Revised: 02/18/2009

Water Index No: SL(C)-29
Hydro Unit Code: 04150307/030 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 88.0 Miles
Seg Description: stream and selected tribs, from mouth to Malone

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: FORT COVINGTON (B-23-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Habitat/Hydrology	Threatened	Known

Type of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: SILT/SEDIMENT

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: HYDRO MODIFICATION

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DEC/Reg5
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Overview

Habitat/hydrology in this portion of the Salmon River is known to be threatened by the potential releases of sediment from behind hydropower dams.

Habitat/Hydrology Issues

Free-flowing trout habitat is threatened by potential releases of sediments (sand) from dams at the head of this reach in Malone. Releases of sediments have occurred in the past and a substantial quantity of sediments are believed to have accumulated behind the Macomb Dam. Downstream of the dam the Salmon River supports a productive trout fishery. In such free-flowing habitats, high levels of embeddedness can impact natural reproduction by trout, overwinter survival of trout and invertebrates, and production of invertebrates. Moderate level of embeddedness were documented in 1995 (a mean of 27% based on two transects in the segment). The quality of the habitat and fishery downstream of the dam combined with past sediment release events and the apparent accumulation of sediments cause a concern regarding future sediment discharges. DEC Region 5 staff have notified Brookview Power, the owner/operator of both the Macomb and Chasm hydropower facilities, about DEC concerns regarding sediment issues and impact on the Salmon River. Further discussions concerning managing the situation to minimize the impact of the downstream habitat are continuing. (DEC/FWMR, Region 5, January 2009)

A Water Quality Certification for the continued operation and maintenance of the existing Macomb Hydroelectric Project located on the Salmon River in the Town of Malone, approximately 2.5 river miles north of the Village of Malone was granted by Federal Energy Regulatory Commission (FERC) in 2007. The project will be run in accordance with applicable provisions of the Macomb Project Settlement Agreement dated November 2, 2004. provisions of that settlement include the maintenance of a base flow of 125 cfs (or inflow to the Macomb impoundment, whichever is less) from the Project's tailrace, fish protection provisions and downstream fish movement provisions, sediment management, and a requirement to install a fish stocking tube in the Project's tailrace. (Malone Local Waterfront Revitalization Program, Draft, June 2007)

An aquatic habitat restoration project involving the removal of a barrier dam in Fort Covington is expected to commence in 2009. This project, which was first proposed in 2006, will open an additional 15 miles of spawning habitat to Saint Lawrence River fish. (DEC/BWP, NPS Section and Region 5, January 2009)

Water Quality Sampling

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Salmon River in Fort Covington, Franklin County, (at Center Street) 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. Benthic fauna at this site was diverse and dominated by many clean-water organisms. Water column sampling revealed no parameters of concern. Macroinvertebrates collected at this site and chemically analyzed for selected PAHs, PCBs, and organochlorine pesticides found no substances to be present in concentrations above the established guidance value. Sediment screening for acute toxicity indicated no toxicity to be present, but sediments were found to contain elevated levels of PAHs. 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 Salmon River, at Fort Covington (at Center Street) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. This sample was also assessed as non-impacted. (DEC/DOW, BWAM/SBU, December 2008)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the Canadian border to Branch Brook/Titus Stream (-6) in Malone. The waters of this portion of the stream are Class C(T),C(TS). Tribs to this reach/segment, including Deer Creek (-2) and Plum Brook (-4), are Class C,C(T). Little Salmon River (-1), East Branch Deer Creek (-2-1), West Branch Deer Creek (-2-2) and Upper Salmon River are listed separately.

Salmon River, Upper, and minor tribs (0902-0031)

Threatened

Waterbody Location Information

Revised: 02/18/2009

Water Index No: SL(C)-29
Hydro Unit Code: 04150307/030 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 122.9 Miles
Seg Description: stream and selected tribs, above Malone

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: MALONE (B-23-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Habitat/Hydrology	Threatened	Known

Type of Pollutant(s)

Known: ---
Suspected: SILT/SEDIMENT (sand)
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: HYDRO MODIFICATION
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DEC/Reg5
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Overview

Habitat/hydrology in this portion of the Salmon River is known to be threatened by the potential releases of sediment from behind hydropower dams.

Habitat/Hydrology Issues

Free-flowing trout habitat is threatened by potential releases of sediments (sand) from dams at the head of this reach in Malone. Releases of sediments have occurred in the past and a substantial quantity of sediments are believed to have accumulated behind the Chasm Dam. Downstream of the dam the Salmon River supports a productive trout fishery. In such free-flowing habitats, high levels of embeddedness can impact natural reproduction by trout, overwinter survival of trout and invertebrates, and production of invertebrates. Embeddedness estimates for portions of this reach increased from a mean of about 15% (measured in 1995) to greater than 70% following a suspected discharge event in 1997. Some recovery of the habitat was noted by spring 1998. However the quality of the habitat and fishery downstream of the dam combined with past sediment release events and the apparent accumulation of sediments cause a concern regarding future sediment discharges. DEC Region 5 staff have notified Brookview Power, the owner/operator of both the Macomb and Chasm hydropower facilities, about DEC concerns regarding sediment issues and impact on the Salmon River. Further discussions concerning managing the situation to minimize the impact of the downstream habitat are continuing. (DEC/FWMR, Region 5, January

2009)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs above Branch Brook/Titus Stream (-6) in Malone. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Whippleville Brook (-7), Winslow Brook (-9), Ingraham Stream (-22) and Barnes Brook (-23), are Class C,C(T). Branch Brook/Titus Stream (-6), Duane Stream (-18), Hatch Brook (-21) and Lower Salmon River are listed separately.

Little Salmon R, Lower, and minor tribs (0902-0044)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)-29- 1
Hydro Unit Code: 04150307/020 **Str Class:** B
Waterbody Type: River
Waterbody Size: 73.2 Miles
Seg Description: stream and selected tribs, from mouth to Brushton

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: BOMBAY (B-22-2)

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
TMDL/303d Status: n/a

Resolution Potential: n/a

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of the Little Salmon River at Fort Covington (at Foster Road) 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 the facultative riffle beetle *Stenelmis crenata*, net spinning caddisflies *Hydropsyche leonardi* and *H. morosa*, and the mayfly genera *Serratella sp.*, and *Stenonema sp.*. The nutrient biotic index indicated mesotrophic conditions for phosphorus. Results of impact source determination identified the community as natural with some non-point source nutrient enrichment. However, nutrient biotic evaluation determined these effects on the fauna to be minor. Aquatic life support is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. (DEC/DOW, BWAM/SBU, November 2008)

Previous Assessment

Previously it was thought that the fishery in the Little Salmon River may be affected by excessive silt, sediment and nutrients resulting from agricultural activity in the watershed. The county reported that near the mouth in Fort Covington the stream was greenish and opaque with high amount of suspended sediment. Insufficient stream buffer areas, access of cattle to the stream, and overland flow from agricultural fields during heavy rain and snowmelt are cited as specific problems. (Franklin Co. WQCC, February 1998)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the Canadian border to unnamed trib (-5a) in Brushton. The waters of this portion of the stream are Class B. Tribs to this reach/segment are Class C,C(T). Farrington Brook (-3) and Upper Little Salmon River are listed separately.

East Branch Deer River and tribs (0902-0075)

MinorImpacts

Waterbody Location Information

Revised: 12/29/2008

Water Index No: SL(C)-29- 2- 1
Hydro Unit Code: 04150307/030 **Str Class:** C
Waterbody Type: River
Waterbody Size: 68.8 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: FORT COVINGTON (B-23-1)

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: ---

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 East Branch Deer Creek 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 the East Branch of Deer Creek at Fort Covington (at Cushman Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated slightly impacted water quality conditions. The nutrient biotic index indicated eutrophic conditions due to phosphorus and Impact Source Determination suggested the community was typical of one impacted by non-point source nutrient enrichment. The macroinvertebrate fauna was dominated by facultative riffle beetles and filter feeding caddisflies. Slow, sandy habitat characterized the stream upstream of sampling location and may play a role in the water quality assessment of this site. This type of habitat is not conducive for colonization of more pollution intolerant organisms like stoneflies and mayflies. In spite of some/these minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, December 2004)

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 Cold Spring Brook (-1), are Class C and D.

West Branch Deer River and tribs (0902-0076)

NoKnownImpct

Waterbody Location Information

Revised: 01/15/2009

Water Index No: SL(C)-29- 2- 2
Hydro Unit Code: 04150307/030 **Str Class:** C
Waterbody Type: River
Waterbody Size: 80.2 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: FORT COVINGTON (B-23-1)

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 the West Branch Deer Creek at Fort Covington (at CR 42) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The site was host to a diversity of macroinvertebrate fauna, including many mayflies, stoneflies and caddisflies. (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). Tribs to this reach/segment are Class C.

Branch Brook/Titus Stream and tribs (0902-0001)

MinorImpacts

Waterbody Location Information

Revised: 01/21/2009

Water Index No:	SL(C)-29- 6	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	C(T)*
Waterbody Type:	River		English/Salmon River
Waterbody Size:	32.9 Miles	Reg/County:	5/Franklin Co. (17)
Seg Description:	entire stream and tribs	Quad Map:	MALONE (B-23-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Suspected
Aquatic Life	Stressed	Possible
Aesthetics	Stressed	Suspected

Type of Pollutant(s)

Known: PATHOGENS, Chlorine
 Suspected: Water Level/Flow, Nutrients, Silt/Sediment
 Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
 Suspected: AGRICULTURE, URBAN/STORM RUNOFF, Other Source (waterfowl)
 Possible: Hydro Modification

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg5
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Overview

Recreational use in Branch Brook (formerly known as Lake Titus Stream) is thought to experience minor impacts due to pathogens from agricultural activity, urban runoff and other nonpoint sources. These impacts are have the most significant impact on recreational use in a small ponded Class B(T) reach of the stream in the Village of Malone that is used as a public swimming area.

Recreational Assessment

A village swimming area and beach in a shallow ponded reach of the stream has experienced closings due to elevated coliform levels. The swimming area and beach is located behind a dam in the village park, less than a mile from its confluence with the Salmon River. The Village of Malone uses a chlorine diffusion pipe located at the head of swimming area and beach to protect swimming use of the water to some degree. However, the chlorine bleaches the stream bottom and is could potentially have an adverse impact on aquatic life downstream. The management of this water resource to protect these two competing uses may be difficult to achieve. (DEC/DOW, Region 5, 1998)

Source Assessment

Color, clarity and odor problems from algae blooms and silt/sediment also reduce the aesthetics of the waterbody and discourage swimming. Copper sulfate, used to control the algae, could also be affecting aquatic life. Excessive aquatic weed growth is controlled by drawdown, which may impact the fishery as well. Branch Brook flows through a significant agricultural area before entering the village. Heavy fertilizer usage and high wind and water erosion of vegetable cropland as well as stream bank erosion further upstream in the watershed have been suggested as sources of nutrients and sediment which cause algae and weed problems. Increased construction of single-family homes in the area may also be a possible source of sediment. Significant water use for agricultural irrigation has also been cited as affecting the flow into the swimming area. (DEC/DOW, Region 5 and Region 5 Fisheries, Franklin Co WQCC, 1998)

Water Quality Sampling

A biological (macroinvertebrate) assessment of Branch Brook in Malone upstream of the bathing area (at Duane Road/CR 25) 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. The macroinvertebrate community was dominated by filter feeding caddisflies, likely a result of the slightly enriched conditions. Many clean water stoneflies and mayflies were noted in the field. However, they did not dominate the processed subsample. Impact source determination indicated a community with some non-point source nutrient enrichment. In spite of some/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(T) from the mouth to the Malone Municipal Bathing Beach, Class B(T) from there to unnamed trib (-1), and Class C(T) for the remainder of the reach. Tribs to this reach/segment are Class C,C(T).

Lake Titus (0902-0036)

Need Verific

Waterbody Location Information

Revised: 11/13/2008

Water Index No:	SL(C)-29- 6-P28	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	B(T)
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	431.4 Acres	Quad Map:	LAKE TITUS (C-23-2)
Seg Description:	entire lake		

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: ALGAL/WEED GROWTH
Possible: Nutrients, Pathogens

Source(s) of Pollutant(s)

Known: - - -
Suspected: HABITAT MODIFICATION
Possible: On-Site/Septic Syst

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

Public Bathing and other recreational uses in Lake Titus may experience minor impacts/threats due to excessive aquatic weed growth of invasive species.

Water Quality Sampling

Lake Titus was been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1985 and 1999. An Interpretive Summary report of the findings of this sampling was published in 2000. These data indicate that the lake continues to be best characterized as mesotrophic, or moderately unproductive. Phosphorus levels in the lake occasionally exceed the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements typically meet the recommended minimum for swimming beaches. Measurements of pH typically fall within the state water quality range of 6.5 to 8.5. The lake water is moderately colored, and may at times impact water transparency. However lake color is thought to be reflective of natural soil and vegetation characteristics in the watershed. (DEC/DOW, BWAM/CSLAP, 2000)

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 generally favorable. The recreational suitability of the lake ranges between "excellent" and "slightly" impacted. The lake itself is most often described as "not quite crystal clear." Assessments have noted that aquatic plants grow to the lake surface, but are not typically cited as having an impact on recreational uses. Aquatic plants are dominated by a mix of native and non-native (Eurasian milfoil) species. (DEC/DOW, BWAM/CSLAP, 2000)

Lake Uses

This lake waterbody is designated class B(T), suitable for use as a public bathing beach, general recreation and aquatic life support, but not as a drinking water supply. 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

Presence and proliferation of Eurasian milfoil restrict bathing and boating uses of the Lake Titus. Failing and/or inadequate on-site septic systems have been cited as a source of nutrients and pathogens. Septic problems including grey water inputs have been documented and some improvements have begun. (Franklin County WQCC, 1993).

The lake has been the subject of study by NYS DEC CSLAP Program and Adirondack Ecologists since the mid 1980s. The problems outlined above have been noted in these studies. There is a state owned access to the lake that has never been developed due, in part, to concerns of residents/private land owners.

Debar Pond (0902-0079)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-29-18-P38	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	B
Waterbody Type:	Lake	Reg/County:	English/Salmon River
Waterbody Size:	87.5 Acres	Quad Map:	5/Franklin Co. (17)
Seg Description:	entire lake		OWLS HEAD (C-24-1)

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 Debar 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)

Hatch Brook and tribs (0902-0080)

NoKnownImpct

Waterbody Location Information

Revised: 12/12/2008

Water Index No: SL(C)-29-21
Hydro Unit Code: 04150307/030 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 83.0 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: OWLS HEAD (C-24-1)

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

Overview

Most recent sampling reveals a stream fully supporting aquatic life and recreational uses. There are some concerns regarding acid rain. However available data indicating such impacts is limited to two small ponds within this segment and is more than 20 years old. Until data on the larger waterbody is available, this segment will be considered to be assessed based on the more recent sampling.

Water Quality Sampling

A biological (macroinvertebrate) assessment of Hatch Brook at Porcaville (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. Impact source determination identified the community as natural. The macroinvertebrate fauna was dominated by clean water riffle beetles, caddisflies, and mayflies. (DEC/DOW, BWAM/SBU, November 2008)

Historical surveys of two small ponds in this segment indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALS (1986) revealed pH to be between 5.0 and 6.0 in Middle and Upper Notch Ponds. Fish were not present in either pond. (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 Middle and Upper Notch Ponds. 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

Middle and Upper Notch Ponds were included on previous Section 303(d) Lists, but were delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 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 are Class C,C(T),C(TS) and D. This segment also includes Middle and Upper Notch Ponds (-9-P45, -9-P46).

Grass Pond (0902-0082)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-29-21- 7- 8-P41	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	C(T)
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	18.4 Acres	Quad Map:	LOON LAKE (C-24-3)
Seg Description:	entire lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

Monitoring of Grass 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)

Ingraham Pond (0902-0085)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-29-22- 4-P49	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	C(T)
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	131.9 Acres	Quad Map:	BRAINARDSVILLE (B-24-3)
Seg Description:	entire lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

Monitoring of Ingraham 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)

Plumadore Pond (0902-0086)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL(C)-29-27-P62
Hydro Unit Code: 04150307/030 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 108.9 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: RAGGED LAKE (C-24-2)

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 Plumadore 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)

Mountain View Lake, Indian Lake, more (0902-0030)

Need Verific

Waterbody Location Information

Revised: 12/05/2008

Water Index No: SL(C)-29-P50,P51
Hydro Unit Code: 04150307/030 **Str Class:** B(T)
Waterbody Type: Lake
Waterbody Size: 234.7 Acres
Seg Description: total area of both lakes

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: OWLS HEAD (C-24-1)

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: ALGAL/WEED GROWTH, ACID/BASE (PH)
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ATMOSPHERIC DEPOSITION, HABITAT MODIFICATION
Possible: ---

Resolution/Management Information

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

Resolution Potential: Medium

Further Details

Overview

Recreational uses in Mountain View and Indian Lakes may experience impacts due to excessive aquatic weed growth. Possible Impacts to aquatic life due to acid rain effects should also be monitored.

Previous Assessment

Both Mountain View and Indian Lakes were sampled through the CSLAP program in the early 1990s. It was reported at that time that excessive weed growth along the lake shore limited accessibility and recreational uses, including boating. Older camps around lakes with failing and/or inadequate on-site septic systems were considered a likely source of nutrients to the lakes. Some camps along the lake are thought to use the lake as a water supply, although the lake is not classified for such use. A 1991 Aquatic Plant Survey and 1991-92 Limnological Information gathering by Adirondack Ecologists found that except for the aquatic weed problems, water quality as a whole was quite good in these lakes. (Franklin County WQCC and DEC/DOW, BWAM, 1993)

Section 303(d) Listing

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 pH <5.0 and no fish in an South Duck Pond (P57). It is possible that aquatic life support in this, and perhaps other, small ponds included in this segment may be limited due to low pH, a result of atmospheric deposition (acid rain). Since available data indicate such impacts do not affect Mountain View and Indian Lakes and since data suggesting impacts is limited to a small pond within this segment and is more than 20 years old, the assessment of this segment is more reflective of the more recent data collect in the larger lakes. (DEC/DOW, BWAM, 2008)

Section 303(d) Listing

South Duck 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 Mountain View Lake (P50) and Indian Lake (P51), as well as the smaller Deerily Pond (P53), Duck Pond (P54), South Duck Pond (P57) and unnamed ponds (P52, P56).

Charlie Pond (0902-0089)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-29-P50- 3- 1-P55	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	D
Waterbody Type:	Lake	Reg/County:	5/Franklin Co. (17)
Waterbody Size:	10.4 Acres	Quad Map:	RAGGED LAKE (C-24-2)
Seg Description:	entire lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

Monitoring of Charlie 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)

Ragged Lake (0902-0090)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL(C)-29-P50- 3-P58	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150307/030	Str Class:	C(T)
Waterbody Type:	Lake		English/Salmon River
Waterbody Size:	273.4 Acres	Reg/County:	5/Franklin Co. (17)
Seg Description:	entire lake	Quad Map:	RAGGED LAKE (C-24-2)

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 Ragged 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)

Figure Eight Pond, Lilypad Pond (0902-0091)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL(C)-29-P50- 3-P58- 4-P59,P60 **Drain Basin:** Saint Lawrence River
Hydro Unit Code: 04150307/030 **Str Class:** C(T) English/Salmon River
Waterbody Type: Lake **Reg/County:** 5/Franklin Co. (17)
Waterbody Size: 36.2 Acres **Quad Map:** BRAINARDSVILLE (B-24-3)
Seg Description: entire lake

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

Monitoring of Figure Eight 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)

Wolf Pond (0902-0006)

Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL(C)-29-P65
Hydro Unit Code: 04150307/030 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 41.1 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: RAGGED LAKE (C-24-2)

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 Wolf 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 (1981) 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. Wolf Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

Catamount Pond (0902-0092)

Impaired Seg

Waterbody Location Information

Revised: 01/14/2009

Water Index No: SL(C)-29-P68
Hydro Unit Code: 04150307/030 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 13.3 Acres
Seg Description: entire lake
Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: LOON LAKE (C-24-3)

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: n/a->2a*

Resolution Potential: Medium

Further Details

Overview

Aquatic life support in Catamount 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 DFWMR (1979) revealed a pH <5.0 and no presence of fish. 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. Catamount 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 entire lake. This waterbody was previously and erroneously reported to be in the Lake Champlain Basin and appeared as segment 1003-0002. The pond also appears in older stream classification listings as P65c.

Pike Creek and tribs (0902-0037)

MinorImpacts

Waterbody Location Information

Revised: 02/17/2009

Water Index No: SL(C)-31
Hydro Unit Code: 04150307/010 **Str Class:** C
Waterbody Type: River
Waterbody Size: 52.7 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
English/Salmon River
Reg/County: 5/Franklin Co. (17)
Quad Map: BOMBAY (B-22-2)

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: Thermal Changes

Source(s) of Pollutant(s)

Known: - - -
Suspected: AGRICULTURE, Streambank Erosion
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 Pike Creek 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 Pike Creek in Fort Covington, Franklin County, (at Route 43) 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 quality conditions. Water column chemistry found iron and water temperature to be the only substances that constituted parameters of concern. Macroinvertebrates collected at this site and chemically analyzed for selected metals, PAHs, PCBs, and organochlorine pesticides found no contaminants present in concentrations above established assessment criteria. Sediment screening for acute toxicity indicated toxicity could be present, but 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), aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SWMS, December 2008).

A biological (macroinvertebrate) assessment of Pike Creek, at Fort Covington, (at Route 43) was also conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results also revealed slightly impacted conditions. (DEC/DOW, BWAM/SBU, December 2008)

Previous Assessment

The Franklin County SWCD reported water quality issues in the creek. Sediment and nutrient inputs from considerable agricultural activity in the area (cropland erosion, daily manure spreading, livestock in stream and removal of riparian vegetation) are listed as possible causes/sources. In some instances, some farmers have been known to stockpile manure along stream during winter and then dispose of it by bulldozing it into the stream during spring runoff. The creek is generally slow-moving through clay soils and there is some degree of bank erosion exacerbated by livestock in stream. High turbidity and thermal changes from the loss of riparian vegetation are likely stressing the survival of resident warmwater fish populations. (Franklin County WQCC, 1993)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.

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