



Oswegatchie/Stammer Creek Watershed (0415030206)

Water Index Number

SL-25 (portion 6)
 SL-25 (portion 7)
 SL-25- 74-P248
 SL-25- 75-P249,P252
 SL-25- 82
 SL-25- 82-P255,P256,P257
 SL-25- 95-P264

Waterbody

Oswegatchie River, Middle, and mnr tribs (0905-0113)
 Oswegatchie River, Middle, and tribs (0905-0101)
 Wolf Lake (0905-0168)
 Clear Lake, Beaver Lake (0905-0169)
 Stammer Creek and tribs (0905-0170)
 Hall Lake, Parlow Pond, Shingle Pond (0905-0171)
 Dodge Pond (0905-0172)

Category

NoKnownImpct
 Need Verific
 UnAssessed
 UnAssessed
 MinorImpacts
 NoKnownImpct
 NoKnownImpct

Oswegatchie River, Middle, and mnr tribs (0905-0113) NoKnownImpct

Waterbody Location Information

Revised: 01/15/2009

Water Index No: SL-25 (portion 6) **Drain Basin:** Saint Lawrence River
Hydro Unit Code: 04150302/090 **Str Class:** C Oswegatchie River
Waterbody Type: River **Reg/County:** 6/St.Lawrence Co. (45)
Waterbody Size: 156.8 Miles **Quad Map:** OSWEGATCHIE (E-20-2)
Seg Description: stream and select tribs, from Talcville to Newton Falls

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Oswegatchie River in Fine was conducted in 1997. Sampling results indicated non-impacted water quality conditions. The fauna was exemplary and no water quality problems were indicated. Because there is no more recent sampling data, this assessment will be recorded as evaluated, rather than monitored. (DEC/DOW, BWAM/SBU, December 2004)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from Pork Creek (-75) in Talcville to the dam at Newton Falls. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Carr Pond Outlet (-93), Welch Creek (-96) and Skate Creek (-99), are Class C,C(T). Stammer Creek (-82) and Little River (-101) are listed separately.

Oswegatchie River, Middle, and tribs (0905-0101)

Need Verific

Waterbody Location Information

Revised: 01/21/2009

Water Index No: SL-25 (portion 7) **Drain Basin:** Saint Lawrence River
Hydro Unit Code: 04150302/090 **Str Class:** A(T) Oswegatchie River
Waterbody Type: River **Reg/County:** 6/St.Lawrence Co. (45)
Waterbody Size: 198.5 Miles **Quad Map:** NEWTON FALLS (E-21-1)
Seg Description: stream and tribs, fr Newton Falls to Cranberry L

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Suspected
PUBLIC BATHING	Impaired	Suspected
RECREATION	Impaired	Suspected

Type of Pollutant(s)

Known: - - -
Suspected: PATHOGENS, Aesthetics
Possible: Nutrients

Source(s) of Pollutant(s)

Known: ON-SITE/SEPTIC SYST (Newton Falls)
Suspected: Private/Comm/Inst
Possible: - - -

Resolution/Management Information

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

Further Details

Overview

Recreational uses (swimming, boating, etc) are known to be stressed by domestic sewage discharged to the Oswegatchie River from community septic tanks serving many homes in the hamlet of Newton Falls. More significant impacts/impairments may be present, but monitoring immediately below the hamlet has not been conducted to verify conditions. Other homes in the area discharge to tributary streams and other conveyances which ultimately reach the Oswegatchie.

Source Assessment

A sanitary survey was conducted in 1995 by NYSDEC and the St. Lawrence County Health Department. There was little progress in resolving this wastewater issue from 1996 until 2006 when the Town of Clifton received a \$1M State Assistance grant from the NYSDEC to address the wastewater issues in the Hamlet of Newton Falls. The town has retained an engineer (Barton & Loguidice) who has developed a project plan & an engineering facility report for the Hamlet. Additional funding will be needed to proceed to construction. (DEC\DOW, Region 6, January 2009)

Water Quality Sampling

A biological (macroinvertebrate) assessment of the Oswegatchie River, at Fine (at unnamed bridge) 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 very good. The sorted sample was dominated by mayflies, caddisflies, mollusks and midges. (DEC/DOW, BWAM/SBU, January 2009)

Section 303d Listing This portion of the Oswegatchie River not is currently included on the NYS 2008 Section 303(d) List of Impaired Waters. It is possible that impacts to the stream rise to the level of impairment and warrant inclusion on the List. The most current water quality data on this reach of the river found no impairments. However this information is more than ten years old and sampling was conducted well downstream of the potential source of impacts. Additional monitoring to verify current conditions in the stream below Newton Falls is necessary to make a listing determination. (DEC/DOW, BWAM/WQAS, June 2008)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the dam at Newton Falls to Cranberry Lake. The waters of this portion of the stream are Class A(T). Tribs to this reach/segment, including Tooley Pond Outlet (-111) and Peavine Creek (-115), are primarily Class C,C(T), with a few tribs designated Class D. Cranberry Lake (P309) is listed separately.

Stammer Creek and tribs (0905-0170)

MinorImpacts

Waterbody Location Information

Revised: 01/05/2009

Water Index No: SL-25- 82
Hydro Unit Code: 04150302/080 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 85.0 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
Oswegatchie River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: SOUTH EDWARDS (D-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
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 Stammer Creek is thought to experience minor impacts due to nutrient loadings from agricultural and other nonpoint sources.

Water Quality Sampling

A biological (macroinvertebrate) assessment of Stammer Creek at Edwards 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 the clean water mayfly *Centroptilum sp.*. However the tolerant aquatic worm *Limnodrilus hoffmeisteri* and the facultative mollusks *Sphaerium sp.* and *Pisidium sp.* were also prevalent. The nutrient biotic index suggested eutrophic conditions. Results of impact source determination were inconclusive. In spite of these minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, December 2008)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Paddy Brown Brook (-3), are Class C,C(T),C(TS).

Hall Lake, Parlow Pond, Shingle Pond (0905-0171)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL-25- 82-P255,P256,P257
Hydro Unit Code: 04150302/080 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 13.3 Acres
Seg Description: total area of all three lakes

Drain Basin: Saint Lawrence River
Oswegatchie River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: SOUTH EDWARDS (D-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

Monitoring of Parlow 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)

Dodge Pond (0905-0172)

NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No:	SL-25- 95-P264	Drain Basin:	Saint Lawrence River
Hydro Unit Code:	04150302/090	Str Class:	C
Waterbody Type:	Lake	Reg/County:	6/St.Lawrence Co. (45)
Waterbody Size:	14.1 Acres	Quad Map:	DEGRASSE (D-20-3)
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 Dodge 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)