



Salmon River (0415040814)

Water Index Number

C- 21
C- 21
C- 21- 2
C- 21-P210c

Waterbody Name

Salmon River, Lower, and tribs(1004-0010)
Salmon River, Upper, and tribs (1004-0047)
Riley Brook, Upper, and tribs (1004-0098)
Davis Lake (1004-0048)

Category

NoKnownImpct
Need Verific
UnAssessed
UnAssessed

Salmon River, Lower, and tribs (1004-0010)

NoKnownImpct

Waterbody Location Information

Revised: 04/10/2001

Water Index No: C- 21
Hydro Unit Code: 02010004/090 **Str Class:** C(T)*
Waterbody Type: River (Med. Flow) **Reg/County:** 5/Clinton Co. (10)
Waterbody Size: 81.6 Miles **Quad Map:** PLATTSBURGH (C-27-1) ...
Seg Description: stream and tribs from mouth to Davis 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

A biological (macroinvertebrate) assessment of Salmon River in south Plattsburgh (at Salmon River Road) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated non-impacted conditions. The sample was dominated by clean-water species and was most similar to a natural community with minimal human impacts. Some additional species, including sensitive non-native species, and additional biomass may be present; the sample revealed no, or only incidental, anomalies. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, January 2009)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Salmon River in South Plattsburgh (at Salmon River Road) was also conducted in 1998-99. Biological sampling of the river in both years revealed that non-impacted water quality was clearly indicated. The fauna was diverse and well-balanced, with all indices within the non-impacted range. Other indicators (water chemistry, etc) also indicated good water quality. (DEC/DOW, BWAR/RIBS, January 2001)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Davis Lake. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Lower Riley Brook (-2), are Class C(T) and D. Upper Riley Brook and Upper Salmon River are listed separately.

Salmon River, Upper, and tribs (1004-0047)

NoKnownImpct

Waterbody Location Information

Revised: 12/07/2000

Water Index No: C- 21	Drain Basin: Lake Champlain	
Hydro Unit Code: 02010004/090	Str Class: C(T)	AuSable/Boquet
Waterbody Type: River	Reg/County: 5/Clinton Co. (10)	
Waterbody Size: 73.4 Miles	Quad Map: PEASLEEVILLE (C-26-4) ...	
Seg Description: stream and tribs above Davis Lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: STREAMBANK EROSION

Resolution/Management Information

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

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Salmon River in Peasleeville (at Westcott Road) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. The community is altered somewhat from natural conditions. Some sensitive species have been lost and the overall abundance of macroinvertebrates is lower. However, the effects on the fauna were determined to be relatively insignificant and water quality is considered to be good. The nutrient biotic index and impact source determination indicates some slight enrichment in the stream and fauna that is most similar to natural conditions. 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, January 2009)

Habitat Assessment:

Fishery habitat in this reach may experience some impact due to sand and sediment deposition from streambank erosion. Roadway runoff may also be a contributing source. High gradient streams erode streambanks and wash sand and silt into and along streams. The sand and sediment fills in gravel spawning beds, decreasing salmonid spawning success, limiting macroinvertebrate production and increasing winter mortality of fish and invertebrates due to loss of escape cover from the effects of anchor ice. Impacts on natural reproduction of trout and other cold water species have been documented in other reaches in the basin. No such impacts have been documented in this reach, but these impacts are considered a possible threat to fishery habitat. Concerns have also been raised regarding the operation of dams and the occasional release of

large amounts of sediment into the stream which has happened in the past. (DEC/DFWMR, Region 5, June 2009)

The Local Trout Unlimited chapter also indicates some concern regarding streambank erosion along the river. (Lake Champlain Chapter, Trout Unlimited, February 2001)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs above Davis Lake. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment are Class C(T) and D. This segment also includes Mud Pond (P211). Lower Salmon River is listed separately.