



Northwest Bay – Lake Champlain (041504806)

C- 57 thru 99 (selected)
 C- 73
 C- 80
 C- 86
 C- 86-3
 C- 86-3P338,P339,P340
 C- 86-P335
 C- 86-5
 C- 86..P341 thru P347

Minor Tribs to Lake Champlain (1001-0022)
 Housington Brook and tribs (1001-0023)
 Beaver Brook, Upper, and tribs (1001-0024)
 Mill Brook and minor tribs (1001-0017)
 Bartlett Brook, Upper, and minor tribs(1001-0025)
 Bartlett, Mud, North Ponds (1001-0027)
 Mill Pond (1001-0028)
 Mill Brook Tributary (1001-0026)
 Minor Lakes in Mill Creek Watershed(1001-0029)

NoKnownImpct
 NoKnownImpct
 UnAssessed
 NoKnownImpct
 NoKnownImpct
 Impaired Seg
 UnAssessed
 NoKnownImpct
 NoKnownImpct

Minor Tribs to Lake Champlain (1001-0022)

NoKnownImpct

Waterbody Location Information

Revised: 04/28/2009

Water Index No: C- 49 thru 99 (selected) **Drain Basin:** Lake Champlain
Hydro Unit Code: 02010001/ **Str Class:** C(T) Champlain-Lk.George
Waterbody Type: River **Reg/County:** 5/Essex Co. (16)
Waterbody Size: 33.6 Miles **Quad Map:** PORT HENRY (E-27-0)
Seg Description: total length of selected tribs, Main Lake South

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 McKenzie Brook in Port Henry (at Route 22) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. The community is somewhat altered 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 insignificant and water quality is considered to be good. The nutrient biotic index and impact source determination indicates some enrichment in the stream. These results are consistent with sampling conducted in 1998. Aquatic life support is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. McKenzie Brook is just one of several streams that make up this waterbody segment, but it is considered representative of water quality in the segment as a whole. This segment is listed as being evaluated rather than monitored. (DEC/DOW, BWAM/SBU, January 2009)

Segment Description

This segment includes total length of smaller tributaries to Lake Champlain between Boquet River and Crown Point. Tribs within this segment, including Stacy Brook (-78), Mullen Brook (-81), Kenney Brook (-82), McKenzie Brook (-90) and Grove Brook (-93), are Class C,C(T) and D. Boquet River (-48), Hoisington Brook (-73), Beaver Brook (-80), Mill Brook (-86) and Grant Brook (-99), are listed separately. Note this segment includes some tribs north of Split Rock Point that are in HUC 02010004/010.

Housington Brook and tribs (1001-0023)

NoKnownImpct

Waterbody Location Information

Revised: 04/28/2009

Water Index No: C- 73
Hydro Unit Code: 02010001/260 **Str Class:** C(T)*
Waterbody Type: River
Waterbody Size: 18.1 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: PORT HENRY (E-27-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Housington Brook in Westport (at the mouth) was conducted in 1998. Sampling results indicated non-impacted water quality conditions. The sample passed the field screening criteria, and was not retained. Until more recent data is available, this assessment will be considered to be evaluated rather than monitored. (DEC/DOW, BWAR/SBU, January 2000)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). of the reach. Tribs to this reach/segment, including Hammond Brook (-2), are primarily Class C(T); with one unnamed trib to Hammond Brook (-2-4) designated Class AA(T).

Mill Brook and minor tribs (1001-0017)

NoKnownImpct

Waterbody Location Information

Revised: 04/21/2009

Water Index No: C- 86
Hydro Unit Code: 02010001/250 **Str Class:** C(T)
Waterbody Type: River (Low Flow)
Waterbody Size: 25.3 Miles
Seg Description: entire stream and selected tribs

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: PORT HENRY (E-27-0) ...

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Mill Brook in Port Henry (at Dock Street) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. The community is somewhat altered 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 insignificant and water quality is considered to be good. The nutrient biotic index and impact source determination indicates some slight enrichment in the stream. These results are consistent with sampling conducted in 1998. 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)

Previous Assessments

Previously, concerns were raised regarding habitat impacts in Mill Brook due to road sanding practices in the watershed. Sand applied to roads during the winter runs off into the stream during the spring snowmelt. Once in the stream the sand 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. While such practices remain a concern, they do not appear to affect macroinvertebrate communities at these sampling sites. (DEC/DFWMR, Region 5, 1998)

Segment Description

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class D from the mouth to the Mill Pond (P335) dam and Class C(T) for the remainder of the reach. Tribs to this reach, including Lower Bartlett Brook (-3), are primarily Class C(T) and D. Upper portions of Bartlett Brook and unnamed trib (-5) are listed separately.

Bartlett Brook, Upper, and minor tribs (1001-0025)

NoKnownImpct

Waterbody Location Information

Revised: 05/29/2009

Water Index No: C- 86-3
Hydro Unit Code: 02010001/250 **Str Class:** AA(T)
Waterbody Type: River
Waterbody Size: 7.5 Miles
Seg Description: stream and selected tribs abv Pt Henry water supply dam

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: PORT HENRY (E-27-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Possible

Type of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: OTHER POLLUTANTS

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: OTHER SOURCE

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: DEC/Reg5
TMDL/303d Status: n/a

Resolution Potential: High

Further Details

Source (Drinking) Water Assessment

A source water assessment of Bartlett Pond, which is fed by Upper Bartlett Brook, found no elevated susceptibility to contamination. This assessment was conducted through the NYSDOH Source Waters Assessment Program (SWAP) which compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply (PWS) sources. The information contained in SWAP assessment reports assists in the oversight and protection of public water systems. It is important to note that SWAP reports estimate the potential for untreated drinking water sources to be impacted by contamination and do not address the quality of treated finished potable tap water. This water supply source provides water to Moriah and Port Henry. (NYSDOH, Source Water Assessment Program, 2005)

Segment Description

This segment includes the portion of the stream and all tribs above the Port Henry water supply dam. The waters of this portion of the stream are Class A from the Port Henry water supply dam to the Moriah water supply dam, and Class AA(T) for the remainder of the reach. Tribs to this reach/segment are also Class A,AA(T).

Bartlett, Mud, North Ponds (1001-0027)

Impaired Seg

Waterbody Location Information

Revised: 03/11/2009

Water Index No: C- 86-3-P338,P339,P340
Hydro Unit Code: 02010001/250 **Str Class:** AA(T)
Waterbody Type: Lake
Waterbody Size: 139.2 Acres
Seg Description: total area of three lakes

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: PORT HENRY (E-27-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Known
RECREATION	Impaired	Known

Type of Pollutant(s)

Known: PROBLEM SPECIES (Eurasian milfoil)
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)

Known: HABITAT MODIFICATION
Suspected: - - -
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: 4c (Impaired by Pollution, Not Pollutant(s), Not Listed)

Resolution Potential: Medium

Further Details

Overview

Recreational uses in Bartlett Pond are impaired by excessive aquatic weed growth. The plant community is dominated by invasive Eurasian watermilfoil. These impacts also affect public bathing use.

Water Quality Sampling

Bartlett Pond has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1997 and continuing through 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 productive. Phosphorus levels in the lake are consistently below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements typically exceed 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 slightly colored, but color does not limit water transparency. (DEC/DOW, BWAM/CSLAP, 2000)

Monitoring of Mud and North Ponds was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational use 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)

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 unfavorable. The recreational suitability of the lake is described most frequently as "substantially" impacted for recreational use. The lake itself is most often described as having "definite algal greenness." Assessments have noted that aquatic plants routinely grow to the lake surface and are often sufficient dense in restrict recreational uses. Aquatic plants are dominated by non-native species (Eurasian watermilfoil). (DEC/DOW, BWAM/CSLAP, 2000)

Lake Uses

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

Source (Drinking) Water Assessment

A source water assessment of Bartlett Pond found no elevated susceptibility to contamination. This assessment was conducted through the NYSDOH Source Waters Assessment Program (SWAP) which compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply (PWS) sources. The information contained in SWAP assessment reports assists in the oversight and protection of public water systems. It is important to note that SWAP reports estimate the potential for untreated drinking water sources to be impacted by contamination and do not address the quality of treated finished potable tap water. This water supply source provides water to Moriah and Port Henry. (NYSDOH, Source Water Assessment Program, 2005)

Although there are no specific water quality impacts, the segment is considered a highly valued water resource due to its drinking water supply classification as a AA(T) water. The particular resource value reflected in this designation and the need to provide additional protection may result in an assessment of threatened (possible) for drinking water use.

Segment Description

This segment includes the total area of Bartlett (P338), Mud (P339) and North (P340) Ponds. These ponds are 70.4, 6.4 and 25.7 acres in size, respectively.

Mill Brook Tributary (1001-0026)

NoKnownImpct

Waterbody Location Information

Revised: 06/10/2009

Water Index No: C- 86-5
Hydro Unit Code: 02010001/250 **Str Class:** AA(T)
Waterbody Type: River
Waterbody Size: 4.0 Miles
Seg Description: stream and tribs above Mineville water supply dam

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: WITHERBEE (E-26-B)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Resolution Potential: n/a

Further Details

Source (Drinking) Water Assessment

A source water assessment of Roe Pond and the Upper Mill Creek Trib found no elevated susceptibility to contaminants. This assessment was conducted through the NYSDOH Source Waters Assessment Program (SWAP) which compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply (PWS) sources. The information contained in SWAP assessment reports assists in the oversight and protection of public water systems. It is important to note that SWAP reports estimate the potential for untreated drinking water sources to be impacted by contamination and do not address the quality of treated finished potable tap water. This water supply source provides water to the Moriah Water District and the hamlet of Mineville. (NYSDOH, Source Water Assessment Program, 2005)

Segment Description

This segment includes the portion of the stream and all tribs above the Mineville water supply dam. The waters of this portion of the stream are Class AA(T). Tribs to this reach/segment are also Class AA(T).

Minor Lakes in Mill Creek Watershed (1001-0029)

NoKnownImpct

Waterbody Location Information

Revised: 03/02/2009

Water Index No: C- 86..P341 thru P347
Hydro Unit Code: 02010001/250 **Str Class:** C(T)*
Waterbody Type: Lake
Waterbody Size: 111.9 Acres
Seg Description: total area of selected lakes

Drain Basin: Lake Champlain
Champlain-Lk.George
Reg/County: 5/Essex Co. (16)
Quad Map: WITHERBEE (E-26-B)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Resolution Potential: n/a

Further Details

Water Quality Sampling

Monitoring of a number of ponds within this segment 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. Data for Parch Pond (P343), Smith Pond (P344), Lower Rockposrt (P345), Tub Mill Pond (P345a), Big Lock Pond (P346) and Upper Feeder Pond (P347) as well as additional smaller ponds revealed no indication of impacts to aquatic life support or recreational use 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)

Source (Drinking) Water Assessment

A source water assessment of Roe Pond (P341) found no elevated susceptibility to contamination. This assessment was conducted through the NYSDOH Source Waters Assessment Program (SWAP) which compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply (PWS) sources. The information contained in SWAP assessment reports assists in the oversight and protection of public water systems. It is important to note that SWAP reports estimate the potential for untreated drinking water sources to be impacted by contamination and do not address the quality of treated finished potable tap water. This water supply source provides water to the Moriah Water District. (NYSDOH, Source Water Assessment Program, 2005)

Segment Description

This segment includes the total area of all selected/smaller lakes/ponds within the Mill Creek watershed. Lakes within this segment, including Parch Pond (P343), Smith Pond (P344), Lower Rockport Pond (P345), Tub Mill Pond (P345a), Big Lock Pond (P346) and Upper Feeder Pond (P347) as well as smaller ponds Roes/Mill Pond (P341) and Ensign Pond (P342), are primarily Class C(T), with some AA(T).