



Lower West Canada Creek Watershed (0202000406)

Water Index Number	Waterbody Segment	Category
H-240-180 (portion 1)	West Canada Creek, Lower, Main Stem (1203-0023)	Impaired Seg
H-240-180 (portion 2)	West Canada Creek, Lower, Main Stem (1203-0011)	Impaired Seg
H-240-180- 1 thru 35 (selected)	Minor Tribs to Lower West Canada Creek (1203-0082)	NoKnownImpct
H-240-180- 11	North Creek and tribs (1203-0026)	MinorImpacts
H-240-180- 20	Stony Creek and tribs (1203-0027)	UnAssessed
H-240-180- 26	Maltanner Creek and tribs (1203-0016)	NoKnownImpct
H-240-180- 27	Middleville Water Supply and tribs (1203-0028)	NoKnownImpct
H-240-180- 30	Wolf Hollow Creek and tribs (1203-0029)	NoKnownImpct
H-240-180- 31	White Creek and minor tribs (1203-0015)	NoKnownImpct
H-240-180- 31-5	Factory/Big Bill Brooks and tribs (1203-0030)	NoKnownImpct
H-240-180- 32	Shed Brook and tribs (1203-0031)	NoKnownImpct
H-240-180- 36 thru 63	Minor Tribs to Lower West Canada Creek (1203-0083)	NoKnownImpct
H-240-180- 37	Newport Water Supply and tribs (1203-0032)	UnAssessed
H-240-180- 42	Cold Brook and tribs (1203-0033)	MinorImpacts

West Canada Creek, Lower, Main Stem (1203-0023)

Impaired Seg

Waterbody Location Information

Revised: 01/29/2010

Water Index No:	H-240-180 (portion 1)	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C(T)
Waterbody Type:	River (High Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	17.6 Miles	Quad Map:	HERKIMER (I-21-4)
Seg Description:	from mouth to Newport		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known
Recreation	Stressed	Known
HABITAT/HYDROLOGY	Impaired	Known

Type of Pollutant(s)

Known: WATER LEVEL/FLOW, THERMAL CHANGES, Restricted Passage
Suspected: Acid/Base (pH)
Possible: - - -

Source(s) of Pollutant(s)

Known: HYDRO MODIFICATION
Suspected: Atmosph. Deposition, Habitat Modification
Possible: - - -

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	4 (Source Identified, Strategy Needed)	
Lead Agency/Office:	DEC/FWMR	Resolution Potential: Medium
TMDL/303d Status:	4c (Impaired by Pollution, Not Pollutant(s), Not Listed)	

Further Details

Overview

Natural resources habitat and hydrology and aquatic life support in this portion of West Canada Creek are impaired by significant fluctuations in stream flow and other hydrologic modifications resulting from hydropower generation.

Source Assessment

In the reaches above this segment (Trenton Falls to Prospect) the stream is nearly dewatered to support hydropower generation. A major Niagara Mohawk hydropower facility at Trenton Falls operates on storage mode rather than run-of-river. Other hydro facilities are located at Newport and at Herkimer (Cross Bridge). Farther downstream (Trenton Falls to mouth) the daily fluctuations in stream flow produce temperature extremes in the summer and winter. Several fish kills related to low flow, high stream temperatures during the summer have been documented in the past decade. The regional fisheries staff has also received numerous complaints regarding impacts on the fishing resource. The fishery is also affected by several dams on the stream that restrict fish passage. (DEC/DFWMR, Region 6, April 2002)

Water Quality Sampling

A biological (macroinvertebrate) survey of West Canada Creek at multiple sites from the mouth in Herkimer to Nobleboro

was conducted as part of the RIBS Intensive Network monitoring in 2006. Sampling results indicated non-impacted conditions at all except the most upstream site in Nobleboro. Within this segment, this survey included sites in Herkimer (at Route 5), Kast Bridge (at West End Road) and in Middleville (at Route 28) which were assessed as having non-impacted water quality. Such samples are dominated by clean-water species and are 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 samples reveal no, or only incidental, anomalies. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, January 2010)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of West Canada Creek in Kast Bridge (at West End Road) was conducted in 2001. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Overall water quality in this reach of the stream is considered good. Biological sampling indicated non-impacted conditions. No toxicity was detected in the water, and no compounds analyzed for invertebrate tissues were found to be present in concentrations above the levels of concern. However, water column sampling identified slightly elevated levels of copper and iron in some samples, and cadmium was found to be elevated in the sediments. (DEC/DOW, BWAR/RIBS, April 2003)

Segment Description

This segment includes the portion of the stream from the mouth to unnamed trib (-35) in Newport. The waters of this portion of the stream are Class C(T).

West Canada Creek, Lower, Main Stem (1203-0011)

Impaired Seg

Waterbody Location Information

Revised: 04/06/2010

Water Index No: H-240-180 (portion 2) **Drain Basin:** Mohawk River
Hydro Unit Code: 02020004/140 **Str Class:** C(T) Mohawk River
Waterbody Type: River (High Flow) **Reg/County:** 6/Herkimer Co. (22)
Waterbody Size: 15.7 Miles **Quad Map:** NEWPORT (I-20-2)
Seg Description: from Newport to Prospect

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known
Recreation	Stressed	Known
HABITAT/HYDROLOGY	Impaired	Known

Type of Pollutant(s)

Known: WATER LEVEL/FLOW, THERMAL CHANGES, Restricted Passage
Suspected: Acid/Base (pH)
Possible: Pathogens

Source(s) of Pollutant(s)

Known: HYDRO MODIFICATION
Suspected: Atmosph. Deposition, Habitat Modification, Streambank Erosion
Possible: Construction, On-Site/Septic Syst

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DEC/FWMR **Resolution Potential:** Medium
TMDL/303d Status: 4c (Impaired by Pollution, Not Pollutant(s), Not Listed)

Further Details

Overview

Natural resources habitat and hydrology and aquatic life support in this portion of West Canada Creek are impaired by significant fluctuations in stream flow and other hydrologic modifications resulting from hydropower generation.

Source Assessment

In the upper reaches of this segment (Trenton Falls to Prospect) the stream is nearly dewatered to support hydropower generation. A major Niagara Mohawk hydropower facility at Trenton Falls operates on storage mode rather than run-of-river. Other hydro facilities are located at Newport and at Herkimer (Cross Bridge). Farther downstream (Trenton Falls to mouth) the daily fluctuations in stream flow produce temperature extremes in the summer and winter. Several fish kills related to low flow, high stream temperatures during the summer have been documented in the past decade. The regional fisheries staff has also received numerous complaints regarding impacts on the fishing resource. The fishery is also affected by several dams on the stream that restrict fish passage. (DEC/DFWMR, Region 6, April 2002)

Water Quality Sampling

A biological (macroinvertebrate) survey of West Canada Creek at multiple sites from the mouth in Herkimer to Nobleboro

was conducted as part of the RIBS Intensive Network monitoring in 2006. Sampling results indicated non-impacted conditions at all except the most upstream site in Nobleboro. Within this segment, this survey included sites in Newport (at Brown Island), Poland (at Route 200) and Trenton Falls (at Trenton Falls Road) which were assessed as having non-impacted water quality. Such samples are dominated by clean-water species and are 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 samples reveal no, or only incidental, anomalies. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, January 2010)

The 2006 results are consistent with biological assessments of West Canada Creek conducted in Trenton Falls in 2000 and 2001 and in Kast Bridge (just below this segment) in 2001. All sampling results indicated non-impacted water quality conditions. The Trenton Falls samples were field-assessed. Sampling in Kast Bridge in 2001 yielded an assessment of non-impacted, based on a laboratory-processed sample. (DEC/DOW, BWAR/SBU, July 2002)

Previous Assessment

Local government agencies have also expressed concerns about mining activity in the Town of Russia during previous assessment efforts in 2002. DEC/Mineral Resources regional staff has since reviewed the status of all mines within the town and reports that the mines do not currently pose problems in the creek. Previous impacts from two mines (Material Sand and Gravel/Gravesville and Hanson Aggregates/Beineck Pit) have been addressed. (DEC/DMR, April 2010)

Previously cited problems regarding raw sewage discharges from homes and drainage from storm pipes to the river are being addressed. The Village of Newport is requiring correction of failed individual on-site septic systems. This effort is 95% complete. (DEC/DOW, Region 6, April 2002)

Segment Description

This segment includes the portion of the stream from/including an unnamed trib (-35) in Newport to the Niagara Mohawk Dam near Prospect. The waters of this portion of the stream are Class C(T).

Minor Tribs to Lower West Canada Creek (1203-0082) NoKnownImpct

Waterbody Location Information

Revised: 02/09/2010

Water Index No: H-240-180- 1 thru 35 (selected) **Drain Basin:** Mohawk River
Hydro Unit Code: 02020004/150 **Str Class:** C Mohawk River
Waterbody Type: River (Low Flow) **Reg/County:** 6/Herkimer Co. (22)
Waterbody Size: 67.5 Miles **Quad Map:** HERKIMER (I-21-4) ...
Seg Description: total length of selected tribs, from mouth to Newport

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 Kenyon Brook at the mouth in Middleville was conducted in 2000. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. Though Kenyon Brook is just one of several streams that make up this waterbody segment, it is considered representative of water quality in the segment as a whole. For such assessments it is appropriate to list the segment as being evaluated rather than monitored. (DEC/DOW, BWAR/SBU, July 2002)

Kenyon Brook is also included in a network of water quality sampling sites monitored by the Herkimer County Water Quality Coordinating Committee. (Herkimer County WQCC, 2000).

Previous Assessment

While most smaller tribs along this reach of West Canada Creek are assessed as supporting uses, there is one unnamed trib (-29) where disposal over many years of tremendous amounts of agricultural and household refuse directly impact the stream. The refuse includes a Volkswagen in the stream. Citizens have complained to NYSDEC that periodically discarded material washes downstream onto adjacent property during high flows. The county highway department placed guard rails along the site to discourage dumping but there are indications that local citizens continue to use the site for dumping. (DEC/Environmental Permits, Region 6, April 2002)

Segment Description

This segment includes the total length of selected/smaller tribs to West Canada Creek from its mouth to Newport. Tribs within this segment, including Mill Brook (-2) and Kenyon Brook (-27), are primarily Class C, C(T), C(TS). North Creek (-11), Stony Creek (20), Maltanner Creek (-26), Wolf Hollow Creek (-30), White Creek (-31) and Shed Brook (-32) are listed separately.

North Creek and tribs (1203-0026)

MinorImpacts

Waterbody Location Information

Revised: 08/06/2002

Water Index No:	H-240-180- 11	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	39.6 Miles	Quad Map:	HERKIMER (I-21-4)
Seg Description:	entire stream and tribs		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: STREAMBANK EROSION
Suspected: Agriculture
Possible: On-Site/Septic Syst

Resolution/Management Information

Issue Resolvability:	3 (Strategy Being Implemented)	
Verification Status:	5 (Management Strategy has been Developed)	
Lead Agency/Office:	ext/WQCC	Resolution Potential: Medium
TMDL/303d Status:	n/a	

Further Details

Overview

Habitat and hydrology in North Creek is thought to experience minor impacts due to altered flow and hydrology due to excessive streambank erosion.

Source Assessment

The habitat and hydrology in North Creek are affected by streambank erosion significant enough to have caused public and private property damage requiring emergency streambank stabilization efforts on several occasions. Although naturally occurring in many locations, streambank erosion along the stream is exacerbated by unrestricted access to the stream by livestock in concentrated agricultural areas of the watershed. (Herkimer County WQCC, April 2002)

Water Quality Sampling

A biological (macroinvertebrate) assessment of North Creek in Kast Bridge was conducted in 2000. Sampling results indicated non-impacted water quality conditions. The fauna was equally dominated by mayflies, caddisflies, and midges. Minor nutrient enrichment was evident, but indices were within the range of non-impact. (DEC/DOW, BWAR/SBU, January 2000)

Water Quality Management

The Herkimer County WQCC and SWCD have worked with a dairy farmer in the watershed to establish a cattle crossing and riparian buffer as a demonstration project. Rural housing in close proximity to the stream coupled with poor soils suggest impacts from failing and/or inadequate on-site septic systems may be possible. (Herkimer County WQCC, April 2002)

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.

Maltanner Creek and tribs (1203-0016)

NoKnownImpct

Waterbody Location Information

Revised: 08/06/2002

Water Index No:	H-240-180- 26	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	16.1 Miles	Quad Map:	MIDDLEVILLE (I-21-1)
Seg Description:	entire stream and tribs		

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 Assessment

A biological (macroinvertebrate) assessment of Maltanner Creek at the mouth in Middleville was conducted in 2000. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, July 2002)

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 also Class C,C(T).

Middleville Water Supply and tribs (1203-0028)

NoKnownImpct

Waterbody Location Information

Revised: 10/29/2002

Water Index No: H-240-180- 27
Hydro Unit Code: 02020004/150 **Str Class:** AA
Waterbody Type: River (Low Flow) **Reg/County:** 6/Herkimer Co. (22)
Waterbody Size: 2.6 Miles **Quad Map:** MIDDLEVILLE (I-21-1)
Seg Description: stream and tribs, above Middleville water supply dam

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

Although monitoring of the reservoir was not conducted, a biological (macroinvertebrate) assessment of Kenyon Brook at the mouth in Middleville was conducted in 2000. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, July 2002)

Water Supply Assessment

Though classified for use as a drinking water supply, the reservoir is no longer used as a water source.

Segment Description

This segment includes the portion of two streams (-27 and-27-4) above the Middleville water supply dam. The waters of these portions of the stream are Class AA.

Wolf Hollow Creek and tribs (1203-0029)

NoKnownImpct

Waterbody Location Information

Revised: 08/19/2002

Water Index No:	H-240-180- 30	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C(T)
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	14.6 Miles	Quad Map:	MIDDLEVILLE (I-21-1)
Seg Description:	entire stream and tribs		

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 Wolf Hollow Creek in Welch Corners was conducted in 2000. Sampling results indicated slightly impacted water quality conditions. However, this assessment may be upgraded to non-impacted, due to the headwater nature of the stream. The fauna was dominated by intolerant taxa, but diversity was low, as is typical of headwater streams. No water quality problems were indicated for this stream. (DEC/DOW, BWAR/SBU, July 2002)

Segment Description

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

White Creek and minor tribs (1203-0015)

NoKnownImpct

Waterbody Location Information

Revised: 08/06/2002

Water Index No:	H-240-180- 31	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C(T)
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	23.7 Miles	Quad Map:	MIDDLEVILLE (I-21-1)
Seg Description:	entire stream and selected tribs		

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 White Creek at the mouth below Newport was conducted in 2000. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, July 2002)

Segment Description

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C(T),C(TS). Tribs to this reach/segment are Class C,C(T),C(TS). Factory Brook (-5-1) and Big Bill Brook (-5-3) are listed separately.

Factory/Big Bill Brooks and tribs (1203-0030)

NoKnownImpct

Waterbody Location Information

Revised: 02/01/2010

Water Index No:	H-240-180- 31-5	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C(T)
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	24.2 Miles	Quad Map:	MIDDLEVILLE (I-21-1)
Seg Description:	entire stream and tribs		

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 Factory/Big Bills Brook in Norway (at Route 11) was conducted as part of the RIBS biological screening effort in 2005. Sampling results indicated non-impacted conditions. Such samples are dominated by clean-water species and conditions that reflect a natural community with minimal, if any, human impacts. Aquatic life community is clearly fully supported. (DEC/DOW, BWAM/SBU, January 2010)

Segment Description

This segment includes the entire length of unnamed trib -5 and all tribs, including Factory Brook (-5-1) and Big Bill Brook (-5-3). The waters of the stream and tribs of this reach/segment are Class C,C(T),C(TS).

Shed Brook and tribs (1203-0031)

NoKnownImpct

Waterbody Location Information

Revised: 02/04/2010

Water Index No:	H-240-180- 32	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/150	Str Class:	C
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	33.3 Miles	Quad Map:	NEWPORT (I-20-2)
Seg Description:	entire stream and tribs		

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 Shed Brook near Newport (at Route 34) was conducted as part of the RIBS biological screening effort in 2005. Sampling results indicated non-impacted conditions. Such samples are dominated by clean-water species and are 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 samples reveal no, or only incidental, anomalies. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, January 2009)

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 also Class C,C(T).

Minor Tribs to Lower West Canada Creek (1203-0083) NoKnownImpct

Waterbody Location Information

Revised: 08/08/2002

Water Index No: H-240-180- 36 thru 63
Hydro Unit Code: 02020004/140 **Str Class:** C
Waterbody Type: River (Low Flow)
Waterbody Size: 75.5 Miles
Seg Description: total length of selected tribs, Newport to Hinckley Res

Drain Basin: Mohawk River
Reg/County: 6/Oneida Co. (33) ...
Quad Map: NEWPORT (I-20-2) ...

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Water Quality Sampling

A biological (macroinvertebrate) assessment of Mill Creek at the mouth in Gravesville was conducted in 2000. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, July 2002)

Segment Description

This segment includes the total length of selected/smaller tribs to West Canada Creek (from Newport to Hinckley Reservoir). Tribs within this segment, including Lower Mill Creek (-55), are primarily Class C,C(T),C(TS). The Newport Water Supply (-37), Cold Brook (-42), Upper Mill Creek (-55) and Cincinnati Creek (-59), are listed separately.

Cold Brook and tribs (1203-0033)

MinorImpacts

Waterbody Location Information

Revised: 10/31/2002

Water Index No:	H-240-180- 42	Drain Basin:	Mohawk River
Hydro Unit Code:	02020004/140	Str Class:	C(TS)
Waterbody Type:	River (Low Flow)	Reg/County:	6/Herkimer Co. (22)
Waterbody Size:	16.2 Miles	Quad Map:	NEWPORT (I-20-2)
Seg Description:	entire stream and tribs		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: ON-SITE/SEPTIC SYST (Cold Brook)
Suspected: - - -
Possible: - - -

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	4 (Source Identified, Strategy Needed)	
Lead Agency/Office:	DOW/Reg6	Resolution Potential: Medium
TMDL/303d Status:	n/a	

Further Details

Overview

Recreational uses (swimming, fishing) and aesthetics in Cold Brook are affected by failing and/or inadequate on-site septic systems.

Water Quality Sampling

A biological (macroinvertebrate) assessment of Cold Brook near the mouth in Poland was conducted in 2000. Field sampling results indicated non-impacted to slight water quality conditions. The sample was not retained for sorting in the laboratory. In spite of some impacts to other uses, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAR/SBU, July 2002)

This stream is included in a network of water quality sampling sites monitored by the Herkimer County Water Quality Coordinating Committee. (Herkimer County WQCC, 2000).

Source Assessment

Numerous failed on-site septic systems serving residences in the village of Cold Brook have been documented. Currently many of these home discharge raw sewage directly to Cold Brook. Unsuitable soils have been identified as the primary

reason for the problems. There has been some discussion concerning how to address the situation, but any solution is likely to be very costly. This situation was reported during the 2002 assessment effort and has since been verified by regional staff. (DEC/DOW, Region 6, April 2010)

Segment Description

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