



Lower Honeoye Creek Watershed (0413000303)

Water Index Number	Waterbody Segment	Category
Ont 117- 27	Honeoye Creek, Lower, and minor tribs (0402-0019)	Minor Impacts
Ont 117- 27	Honeoye Creek, Middle, and minor tribs (0402-0066)	Minor Impacts
Ont 117- 27- 4	Rush Creek and tribs (0402-0082)	Unassessed
Ont 117- 27- 7-P33	Rush Reservoir (0402-0072)	Unassessed
Ont 117- 27-13	Honeoye Creek Trib (-13), and tribs (0402-0081)	NeedsVerification
Ont 117- 27-14	Spring Brook and tribs (0402-0040)	Minor Impacts

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Honeoye Creek at Mendon (at Plains Road) in 2014 and at three sites – in West Rush (at Creekside Road), Rush (at unnamed Road), and at Mendon (at Sibley Road) – in 2009 was conducted as part of the RIBS biological screening effort. Sampling results at all three sites reflect fair water quality, with the macroinvertebrate community altered from what is expected under natural conditions. Some expected sensitive species are not present and overall macroinvertebrate species richness is lower than expected. Some changes in community composition have occurred due to replacement of sensitive ubiquitous taxa by more tolerant taxa, but overall there is still balanced distribution of all expected taxa. In spite of these minor impacts, aquatic life is considered to be supported. This evaluation is consistent with results from previous sampling of Honeoye Creek at these and other sites conducted in the past. Moderately impacted conditions were found at an unnamed tribs (-4) of Honeoye Creek within this reach near Honeoye Falls (at Kavanaugh Road) in 2014. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Based on the biologic community composition, organic sources such as sewage or animal wastes are suggested. Surrounding land use and other knowledge of the waterbody also indicates agricultural nonpoint sources and possibly municipal or onsite residential wastewater inputs. The Village of Honeoye Falls STP has been identified in the Genesee Basin Watershed Plan (see Management Actions below) as one of several wastewater treatment facilities contributing significant phosphorus loading. The watershed includes large concentrations of agricultural lands and rural areas served by onsite wastewater (septic) systems, both of which pose some threat to water supply and other uses. The nonpoint source impacts are exacerbated by natural geology as the Genesee River cuts through an alluvial plain with highly erodible soils.

Management Actions

NYSDEC developed an extensive watershed management plan for the Genesee River Basin. The Genesee River Basin Nine Key Element Watershed Plan for Phosphorus and Sediment (September 2015) focuses on management and reduction of phosphorus and sediment loads to Genesee River and Lake Ontario. The Plan builds on past and ongoing nonpoint source management practices throughout the basin,, as well as implementation of a strategy to reduce phosphorus from wastewater treatment plants. Over half (56%) of the proposed point source reduction of phosphorus is from the five larger WWTPs (> 1.0 MGD) in the lower basin (i.e., below Mount Morris Dam). Reductions for these plants are already reflected in their permits. About one-third (31%) of the reduction is from smaller plants in the lower basin. Reduction at these plants may require upgrades; the target for meeting reductions at these plants is 2019. The remaining reductions (13%) is from facilities in the upper basin. Reduction at these plants may also require upgrades; the target for meeting reductions at these plants is also 2019. (DEC/DOW, BWRM, September 2016)

Section 303(d) Listing

Lower Honeoye Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There appear to be no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Spring Brook (-14) near Honeoye Falls. The waters of this portion of the stream are Class C. Tribs to this reach are primarily Class C, with some waters designated Class D. Spring Brook as well as larger lakes in the watershed are listed separately.

advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

Biological (macroinvertebrate) assessments of Honeoye Creek in Mendon (at Sibley Road) – which is just below this waterbody segment – and in North Bloomfield (at Martin Road) were conducted in 2014. Sampling results reflect fair to good water quality, with the macroinvertebrate community altered from what is expected under natural conditions and indications of nonpoint nutrient enrichment and possibly sewage inputs. Some expected sensitive species are not present and overall macroinvertebrate species richness is lower than expected. Some changes in community composition have occurred due to replacement of sensitive ubiquitous taxa by more tolerant taxa, but overall there is still balanced distribution of all expected taxa. In spite of these minor impacts, aquatic life is considered to be supported. These results reflect a decline from condition found in Honeoye Falls in 1999 which indicated non-impacted water quality conditions with mayflies, stoneflies and caddisflies all well-represented. (DEC/DOW, BWAR/SBU, September 2016)

Source Assessment

Based on the biologic community composition, surrounding land use and other knowledge of the waterbody, the most likely source of impacts to the waterbody are municipal point sources and agricultural and other nonpoint sources. The Village of Honeoye Falls STP has been identified in the Genesee Basin Watershed Plan (see Management Actions below) as one of several wastewater treatment facilities contributing significant phosphorus loading. The watershed includes large concentrations of agricultural lands and rural areas served by onsite wastewater (septic) systems, both of which pose some threat to water supply and other uses. The nonpoint source impacts are exacerbated by natural geology as the Genesee River cuts through an alluvial plain with highly erodible soils.

Management Actions

NYSDEC developed an extensive watershed management plan for the Genesee River Basin. The Genesee River Basin Nine Key Element Watershed Plan for Phosphorus and Sediment (September 2015) focuses on management and reduction of phosphorus and sediment loads to Genesee River and Lake Ontario. The Plan builds on past and ongoing nonpoint source management practices throughout the basin, as well as implementation of a strategy to reduce phosphorus from wastewater treatment plants. Over half (56%) of the proposed point source reduction of phosphorus is from the five larger WWTPs (> 1.0 MGD) in the lower basin (i.e., below Mount Morris Dam). Reductions for these plants are already reflected in their permits. About one-third (31%) of the reduction is from smaller plants in the lower basin. Reduction at these plants may require upgrades; the target for meeting reductions at these plants is 2019. The remaining reductions (13%) is from facilities in the upper basin. Reduction at these plants may also require upgrades; the target for meeting reductions at these plants is also 2019. (DEC/DOW, BWRM, September 2016)

Section 303(d) Listing

Middle Honeoye Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There appear to be no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from Spring Brook (-14) near Honeoye Falls to Dark Hollow Brook (-21) in Idaho. The waters of this portion of the stream are Class B from Spring Brook (-14) to Route 65 bridge in Honeoye Falls, and Class C from the bridge to Dark Hollow Brook (-21). Tribs to this reach are Class C; Spring Brook (-14) is listed separately.

Rush Creek and Tribs (0402-0082)

Unassessed

Waterbody Location Information

Revised: 10/9/2015

Water Index No:	Ont 117- 27- 4	Water Class:	C
Hydro Unit Code:	Honeoye Creek (0413000303)	Drainage Basin:	Genesee River
Water Type/Size:	River/Stream 42.5 Miles	Reg/County:	8/Monroe (28)
Description:	entire stream and tribs		

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-
Conditions Evaluated		
Habitat/Hydrology	Unknown	
Aesthetics	Unknown	

Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known: - - -
 Suspected: - - -
 Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: - - -
 Suspected: - - -
 Unconfirmed: - - -

Management Information

Management Status: Unassessed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

Currently there is inadequate data/information to evaluate uses and determine a water quality assessment for this waterbody.

Use Assessment

This waterbody segment is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Water Quality Information

There is currently no water quality information available upon which to base an assessment.

Source Assessment

Specific sources of pollutants to the waterbody have not been identified.

Management Actions

No specific management actions have been identified for the waterbody. Baseline sampling to evaluate conditions in

this waterbody segment is needed.

Section 303(d) Listing

Rush Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There is insufficient information to make a listing decision. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

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

Rush Reservoir (0402-0072)

Unassessed

Waterbody Location Information

Revised: 8/13/2015

Water Index No:	Ont 117- 27- 7-P33	Water Class:	C
Hydro Unit Code:	Honeoye Creek (0413000303)	Drainage Basin:	Genesee River
Water Type/Size:	Lake/Reservoir 12.9 Acres	Reg/County:	8/Monroe (28)
Description:	entire lake		

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-
Conditions Evaluated		
Habitat/Hydrology	Unknown	
Aesthetics	Unknown	

Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known: - - -
Suspected: - - -
Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Unconfirmed: - - -

Management Information

Management Status: Unassessed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

Currently there is inadequate data/information to evaluate uses and determine a water quality assessment for this waterbody.

Use Assessment

This waterbody segment is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Water Quality Information

There is currently no water quality information available upon which to base an assessment.

Source Assessment

Specific sources of pollutants to the waterbody have not been identified.

Management Actions

No specific management actions have been identified for the waterbody. Baseline sampling to evaluate conditions in

this waterbody segment is needed.

Section 303(d) Listing

Rush Reservoir is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There is insufficient information to make a listing decision. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

The segment includes the total area of the entire reservoir.

Honeoye Creek Trib (-13), and tribs (0402-0081)

Needs Verification

Waterbody Location Information

Revised: 09/30/2016

Water Index No: Ont 117- 27-13
Hydro Unit Code: Honeoye Creek (0413000303)
Water Type/Size: River/Stream 34.7 Miles
Description: entire stream and tribs

Water Class: C
Drainage Basin: Genesee River
Reg/County: 8/Monroe (28)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Stressed	Unconfirmed
Aquatic Life	Stressed	Unconfirmed
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known: - - -
Suspected: Unknown Pollutants (biological impacts)
Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: Unknown Source
Unconfirmed: - - -

Management Information

Management Status: Verification of Problem Severity Needed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

This trib waterbody is assessed as needing verification of impacts due to aquatic life that may be stressed. A single sample shows slight impacts but with indications of habitat influences. Additionally the sampling location may not be indicative of the larger waterbody.

Use Assessment

This waterbody segment is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Aquatic life may experience minor impacts, however due to the inconclusive results, limited data, and sampling location that may not be representative of the larger waterbody additional sampling is needed to verify current conditions. This sampling can also be used to infer that there may be impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SBU, August 2016)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-

specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of this unnamed trib in Honeoye Falls (at County Route 14) was conducted as part of the RIBS biological screening effort in 2014. Sampling results reflect fair water quality, with the macroinvertebrate community altered from what is expected under natural conditions. Some expected sensitive species are not present and overall macroinvertebrate species richness is lower than expected. Some changes in community composition have occurred due to replacement of sensitive ubiquitous taxa by more tolerant taxa, but overall there is still balanced distribution of all expected taxa. Less than ideal sampling habitat may have also influenced the results. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Specific sources of pollutants to the waterbody have not been identified.

Management Actions

No specific management actions have been identified for the waterbody. Baseline sampling to evaluate conditions in this waterbody segment is needed.

Section 303(d) Listing

This waterbody is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There is no impairment that would justify the listing of this waterbody. Unnamed Trib to Honeoye Creek was removed from the NYS Section 303(d) List of Impaired/TMDL waters in 2016 due to insufficient data to justify a listing. This waterbody may have been originally listed in error in 2010. (DEC/DOW, BWAM/WQAS, April 2016)

Segment Description

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

Spring Brook and tribs (0402-0040)

Minor Impacts

Waterbody Location Information

Revised: 09/30/2016

Water Index No: Ont 117- 27-14
Hydro Unit Code: Honeoye Creek (0413000303)
Water Type/Size: River/Stream 53.4 Miles
Description: entire stream and tribs

Water Class: C
Drainage Basin: Genesee River
Reg/County: 8/Livingston (26)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Stressed	Suspected
Aquatic Life	Stressed	Known
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Good
Aesthetics	Unknown

Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known:	Nutrients (phosphorus)
Suspected:	Silt/Sediment
Unconfirmed:	- - -

Source(s) of Pollutant(s)

Known:	Agriculture, Municipal (Lima STP)
Suspected:	Onsite Septic Systems, Streambank Erosion
Unconfirmed:	- - -

Management Information

Management Status: Restoration/Protection Strategy Needed
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Spring Brook is assessed as having minor impacts due to aquatic life that is known to be stressed. No specific pollutant or sources have been identified, but sampling results indicate and land use suggests agricultural and other nonpoint sources, municipal discharges and possibly residential onsite wastewater (septic) systems contribute to the impacts.

Use Assessment

Spring Brook is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Aquatic life is evaluated as supported but stressed based on biological sampling that shows slight to moderate impacts. This sampling can also be used to infer that there may be minor impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. Additional (bacteriological) sampling is needed to more fully evaluate other recreational uses. (DEC/DOW, BWAM/SBU, December 2014)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-

specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Spring Brook in Moran Corners (at Monroe Road) was conducted as part of the RIBS monitoring effort in 2009 and 2010. More recent sampling was collected at two upstream locations on the stream in Lima (at Route 20, at Route 15A) in 2014. Sampling results near the mouth in Moran Corners reflect fair water quality; the samples collected in Lima revealed worse water quality, with one sample just into the moderately impacted range. These results reflect macroinvertebrate communities altered from what is expected under natural conditions and some indications of nonpoint nutrient enrichment and possibly sewage inputs. Possible pesticide impacts were also noted. Some expected sensitive species are not present and overall macroinvertebrate species richness is lower than expected. Some changes in community composition have occurred due to replacement of sensitive ubiquitous taxa by more tolerant taxa, but overall there is still balanced distribution of all expected taxa. These results are generally consistent with results from sampling of the stream at Dann Corners in 1999. At this point, the waters is considered to support aquatic life, but conditions are near the impairment threshold. (DEC/DOW, BWAM/SBU, August 2016).

Source Assessment

Based on the biologic community composition, surrounding land use and other knowledge of the waterbody, the most likely source of impacts to the waterbody are municipal point sources and agricultural and other nonpoint sources. The Village of Lima STP has been identified in the Genesee Basin Watershed Plan (see Management Actions below) as one of several wastewater treatment facilities contributing significant phosphorus loading. The watershed includes large concentrations of agricultural lands and rural areas served by onsite wastewater (septic) systems, both of which pose some threat to water supply and other uses. The nonpoint source impacts are exacerbated by natural geology as the Genesee River cuts through an alluvial plain with highly erodible soils.

Management Actions

NYSDEC developed an extensive watershed management plan for the Genesee River Basin. The Genesee River Basin Nine Key Element Watershed Plan for Phosphorus and Sediment (September 2015) focuses on management and reduction of phosphorus and sediment loads to Genesee River and Lake Ontario. The Plan builds on past and ongoing nonpoint source management practices throughout the basin,, as well as implementation of a strategy to reduce phosphorus from wastewater treatment plants. Over half (56%) of the proposed point source reduction of phosphorus is from the five larger WWTPs (> 1.0 MGD) in the lower basin (i.e., below Mount Morris Dam). Reductions for these plants are already reflected in their permits. About one-third (31%) of the reduction is from smaller plants in the lower basin. Reduction at these plants may require upgrades; the target for meeting reductions at these plants is 2019. The remaining reductions (13%) is from facilities in the upper basin. Reduction at these plants may also require upgrades; the target for meeting reductions at these plants is also 2019. (DEC/DOW, BWRM, September 2016)

Management Actions

No specific management actions have been identified for the waterbody. Additional sampling to monitor conditions in the stream are recommended.

Section 303(d) Listing

Spring Brook is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts that would justify the listing of this waterbody at this time. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

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