



Genesee/Caneadea Creek Watershed (0413000206)

Water Index Number	Waterbody Segment	Category
Ont 117 (portion 8)	Genesee River, Upper, Main Stem (0403-0077)	Unassessed
Ont 117-136	Caneadea Creek, Lower, and tribs (0403-0008)	Needs Verification
Ont 117-136	Caneadea Creek, Upper, and tribs (0403-0060)	Threatened
Ont 117-136-P146	Rushford Lake (0403-0024)	Impaired
Ont 117-136-P146- 4	Rush Creek and Tribs (0403-0061)	Threatened
Ont 117-137 thru 154	Minor Tributaries to Genesee River (0403-0030)	Unassessed
Ont 117-140	Crawford Creek and tribs (0403-0062)	Needs Verification
Ont 117-140-P150a	Hanging Bog Pond (0403-0076)	Needs Verification
Ont 117-147	Wigwam Creek and tribs (0403-0063)	Threatened
Ont 117-148	Black Creek and tribs (0403-0064)	No Known Impacts
Ont 117-148-P155	Rockville Lake (0403-0053)	Unassessed
Ont 117-149	White Creek and tribs (0403-0065)	Unassessed

Genesee River, Upper, Main Stem (0403-0077)

Unassessed

Waterbody Location Information

Revised: 10/8/2015

Water Index No:	Ont 117 (portion 8)	Water Class:	C
Hydro Unit Code:	Caneadea Creek-Genesee River (0413000206)	Drainage Basin:	Genesee River
Water Type/Size:	River/Stream 9.6 Miles	Reg/County:	9/Allegany (2)
Description:	from Caneadea to Angelica		

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Unconfirmed
Aquatic Life	Fully Supported	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:	---
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. This assessment is based on limited and older data and sampling to verify conditions is recommended.

Use Assessment

This portion of the Genesee River 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 was previously found to experience no significant impacts, however due to the limited and age of the data (more than 10 years old) additional sampling is needed to verify current conditions. (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 the Genesee River in Caneadea was conducted in 1999. Sampling results indicated slightly impacted water quality conditions, but the sample revealed no significant impacts to aquatic life support and no limitations to other uses were apparent. The segment was determined at that time to have no known impacts. (DEC/DOW, BWAM/SBU, January 2000)

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. Additional sampling to verify conditions in this waterbody segment is recommended.

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

This portion of the Genesee River is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There is insufficient data and information to make a listing determination for this waterbody. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the Genesee River from Caneadea Creek (-136) in Caneadea to Angelica Creek (-155) near Angelica. This reach of the river is Class C.

Caneadea Creek, Lower, and tribs (0403-0008)

Needs Verification

Waterbody Location Information

Revised: 12/2/2015

Water Index No: Ont 117-136
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 6.5 Miles
Description: stream and tribs from mouth to Rushford Lake

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

Water Quality Problem/Issue Information

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

Conditions Evaluated

Habitat/Hydrology	Fair
Aesthetics	Unknown

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

Known: - - -
Suspected: Unknown Pollutants (biological impacts), Nutrients
Unconfirmed: Silt/Sediment

Source(s) of Pollutant(s)

Known: - - -
Suspected: Agriculture, Unknown Source
Unconfirmed: - - -

Management Information

Management Status: Verification of Source Needed
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

This portion of Caneadea Creek is assessed as having minor impacts due to aquatic life uses that are known to be stressed. No specific pollutant or sources have been identified, but local land use suggests agricultural activity contributes to the impacts. However, this assessment is based on older data and sampling to verify conditions is recommended.

Use Assessment

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

Aquatic life is evaluated as supported but stressed based on biological sampling that shows slight 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. (DEC, DOW, BWAM, July 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 Caneadea Creek in Caneadea (at Mill Street) was conducted as part of the RIBS biological screening effort in 1999. Field sampling results reflect fair water quality, with the macroinvertebrate community altered from what is expected under natural conditions. The sample was not laboratory-sorted. Due to the limitations and age of the data used in this evaluation, sampling to verify conditions is recommended. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Based on the biologic community composition, surrounding land use and other knowledge of the waterbody, the most likely source of pollutants to the waterbody is nonpoint source agricultural activity.

Management Actions

Local agencies and stakeholders have been active in the management of this waterbody in the past. The Allegany County SWCD and NRCS have used EQIP and Clean Water/Clean Air Bond Act funding to implement BMPs on 16 farm operations in the watershed. Impacts from agricultural runoff remain a concern. The loss of riparian vegetation and the resulting impact on stream temperatures are also an issue. (Allegany County WQCC, April 2001)

Section 303(d) Listing

This portion of Caneadea Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts/impairments 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 all tribs from the mouth to Rushford Lake (P146). The waters of this portion of the stream and its tribs are Class C.

Caneadea Creek, Upper, and tribs (0403-0060)

Threatened

Waterbody Location Information

Revised: 08/12/2016

Water Index No:	Ont 117-136	Water Class:	C(T)
Hydro Unit Code:	Caneadea Creek-Genesee River (0413000206)	Drainage Basin:	Genesee River
Water Type/Size:	River/Stream 100.5 Miles	Reg/County:	9/Allegany (2)
Description:	stream and tribs above Rushford Lake		

Water Quality Problem/Issue Information

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

Conditions Evaluated

Habitat/Hydrology	Fair
Aesthetics	Unknown

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

Known: - - -
Suspected: Unknown Pollutants (biological impacts), Nutrients (phosphorus)
Unconfirmed: Silt/Sediment, Temperature

Source(s) of Pollutant(s)

Known: - - -
Suspected: Agriculture, Unknown Source
Unconfirmed: - - -

Management Information

Management Status: Verification of Pollutant/Cause Needed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

This portion of Caneadea Creek is assessed as threatened due to aquatic life that is considered to be threatened. Biological sampling results show slightly impacted conditions that approach the nonimpacted range and with a community that has similarity to natural conditions. No specific pollutant or sources have been identified, but local land use suggests agricultural activity is the primary threat.

Use Assessment

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

Aquatic life is considered to be supported with minimal impacts. The most recent biological sampling of the stream show conditions to be in the slightly impacted range, but approaching non-impacted with a community that is similar to natural conditions. This sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC, DOW, BWAM, July 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 Caneadea Creek in Rushford (at Hardy Corners Road) was conducted as part of the RIBS biological screening effort in 2014 and 2009. The most recent sampling results reflect good water quality. Conditions were in the slightly impacted range but approaching non-impacted and communities were similar to natural conditions. The macroinvertebrate community shows some beginning signs of alteration, some expected sensitive species are not present and overall macroinvertebrate species richness is somewhat lower than expected, but overall there is still balanced distribution of all expected taxa. The 2014 sampling reflects an improvement from 2009 sampling that showed slightly lower water quality conditions. Aquatic life is considered fully supported and there are no other apparent water quality impacts. (DEC/DOW, BWAM/SBU, January 2015)

Habitat at the site is somewhat altered by human activity, slightly degrading the stream and surrounding riparian buffer. However the site is still considered to have suitable habitat for most organisms. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Based on the biologic community composition, surrounding land use and other knowledge of the waterbody, the most likely source of pollutants to the waterbody is nonpoint source agricultural activity.

Management Actions

Local agencies and stakeholders have been active in the management of this waterbody in the past. The Allegany County SWCD and NRCS have used EQIP and Clean Water/Clean Air Bond Act funding to implement BMPs on 16 farm operations in the watershed. Impacts from agricultural runoff remain a concern. The loss of riparian vegetation and the resulting impact on stream temperatures are also an issue. (Allegany County WQCC, April 2001)

Section 303(d) Listing

This portion of Caneadea Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts/impairments 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 all tribs above Rushford Lake (P146); tribs along the north shore of the lake are also included within this segment. The waters of this portion of the stream are Class C from the lake to unnamed trib (-21) and Class C(T) for the remainder of the reach. Tribs to this reach, including Rock Bottom Creek (-19), are primarily Class C, with some waters designated Class C(T) and C(TS).

Rushford Lake (0403-0024)

Impaired

Waterbody Location Information

Revised: 08/12/2016

Water Index No:	Ont 117-136-P146	Water Class:	B(T)
Hydro Unit Code:	Caneadea Creek-Genesee River (0413000206)	Drainage Basin:	Genesee River
Water Type/Size:	Lake/Reservoir 572.3 Acres	Reg/County:	9/Allegany (2)
Description:	entire lake		

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	Fully Supported	Suspected
Recreation	Fully Supported	Known
Aquatic Life	Fully Supported	Known
Fish Consumption	Impaired	Known
Conditions Evaluated		
Habitat/Hydrology	Fair	
Aesthetics	Unknown	

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

Known: METALS (mercury)
 Suspected: - - -
 Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: ATMOSPH. DEPOSITION
 Suspected: - - -
 Unconfirmed: - - -

Management Information

Management Status: Strategy Implementation Scheduled or Underway
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Impaired Water, TMDL Completed (IR Category 4a)

Further Details

Overview

Rushford Lake is assessed as an impaired waterbody due to fish consumption that is known to be impaired by mercury from atmospheric sources. All other all evaluated uses are considered to be fully supported, based on limited lake monitoring that is consistent with reports of a productive cold water fishery.

Use Assessment

Rushford Lake is a Class B(T) waterbody, suitable for use as a public bathing beach, general recreation and support of aquatic life, but not as a water supply. The waterbody is also designated as a cold water (trout) fishery.

There is no evidence of recreation use impacts in the lake, consistent with relatively low lake productivity, high water clarity, and the lack of invasive species and/or excessive aquatic vegetation. Public bathing is also considered to be fully supported based on the evaluation of overall recreational use, however bacteriological sampling is needed to more fully evaluate swimming use. (DEC/DOW, BWAM/LCI, March 2014)

Aquatic life is considered to be fully supported based on assessments that indicate a healthy (warmwater/cold water) fishery. The lake provides angling for smallmouth bass, walleye, several species of panfish, as well as stocked rainbow and brown trout. The Lake is stocked annually with both brown and rainbow trout yearlings. Rushford Lake's 115-foot depth provides adequate cold, well-oxygenated water to support trout through the summer. (DEC/DFWMR, Region 9, January 2014)

Fish consumption in Rushford Lake is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of walleye because of elevated mercury levels. The source of this contamination is considered to be atmospheric deposition. The advisory for this waterbody was first issued in 2006-07. (NYS DOH Health Advisories and DEC/FWMR, Habitat, January 2014)

Habitat is considered to be fair due to the annual drawdown of up to 40 ft which precludes the establishment of perennial plant growth near shore – which enhances recreational use – but which also reduces cover for some fish species. Invasive plants (brittle naiad) and animals (common carp) have also been noted in the lake. (DEC/DFWMR, Region 9, January 2014)

Water Quality Information

Water quality sampling of Rushford Lake has been conducted through the NYSDEC Lake Classification and Inventory (LCI) in 2009 and 2010. Results of this sampling indicate the lake is best characterized as mesotrophic, or moderately productive. Average chlorophyll/algal levels are somewhat elevated but below criteria corresponding to impaired recreational uses, while corresponding phosphorus concentrations are typically low. Lake clarity measurements indicate water transparency consistently exceeds the recommended minimum criteria for swimming beaches. (DEC/DOW, BWAM/LMAS, May 2014)

Source Assessment

The source of the mercury in the waterbody is atmospheric deposition. No other sources of pollutants to the waterbody have not been identified.

Management Actions

The mercury impairment to the waterbody is being addressed through the Northeast Regional Mercury TMDL which was developed in collaboration with the New England Interstate WPC and the other New England State. The TMDL was adopted and approved in 2007. (DEC/DOW, BWRM, January 2015)

No specific additional management actions have been identified or are deemed necessary for the waterbody. The lake is drawn down about 40 feet each winter to limit the establishment of shoreline aquatic plant growth. Management of the lake is overseen by the Rockford Lake Recreational District. (DEC/DFWMR, Region 9, January 2014)

Section 303(d) Listing

Rushford Lake is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. Although it is assessed as an impaired water due to mercury, it is categorized as an IR Category 4a water that is not listed due to the completion of a TMDL to address the impairment in 2007. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the total area of the entire lake.

Rush Creek and Tribs (0403-0061)

Threatened

Waterbody Location Information

Revised: 08/12/2016

Water Index No: Ont 117-136-P146-
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 28.6 Miles
Description: total length of selected/smaller tribs to lake

Water Class: C(TS)
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Suspected
Aquatic Life	Threatened	Known
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 Pollutant/Cause Needed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Rush Creek is assessed as being threatened due to aquatic life that is thought to be threatened by unspecified pollutants. Biological sampling results show slightly impacted conditions that approach the non-impacted range with minimal anthropogenic impacts and with a community that has some similarity to natural conditions.

Use Assessment

Rush Creek is a Class C(TS) waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing. The waterbody is also designated as a cold water (trout spawning) fishery.

Aquatic life is considered to be supported with minimal impacts. Biological sampling of the stream show conditions to be in the slightly impacted range, but approaching non-impacted and with a community that has some similarity to natural conditions. This sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC, DOW, BWAM, July 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 Rush Creek in McGrawville (at Barber Hill Road) was conducted as part of the RIBS biological screening effort in 2009. Sampling results reflect good water quality. Conditions were in the slightly impacted range but approaching non-impacted and communities have some similarity to natural conditions. The macroinvertebrate community shows some beginning signs of alteration, some expected sensitive species are not present and overall macroinvertebrate species richness is somewhat lower than expected, but overall there is still balanced distribution of all expected taxa. Aquatic life is fully supported and there are no other apparent water quality impacts. These results are consistent with previous sampling conducted at the site in 1999. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Specific sources of pollutants to the waterbody have not been identified. (DEC/DOW, BWAM/SBU, January 2015)

Management Actions

No specific management actions have been identified or are deemed necessary for the waterbody.

Section 303(d) Listing

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

Segment Description

This segment includes the entire stream, which lies above Rushford Lake (P146). The waters of the stream are Class C(TS). Tribes to the stream are Class C.

Minor Tributaries to Genesee River (0403-0030)

Unassessed

Waterbody Location Information

Revised: 10/28/2015

Water Index No: Ont 117-137 thru 154
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 35.3 Miles
Description: total length of selected/smaller tribs to Genesee River

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

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

This waterbody 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 total length of selected/smaller tribs to the Genesee River from Caneadea Creek (-136) to Angelica Creek (-155). These waters are Class C. Crawford Creek (-140), Wigwam Creek (-147), Black Creek (-148), White Creek (-149) are listed separately.

Crawford Creek and tribs (0403-0062)

Needs Verification

Waterbody Location Information

Revised: 08/12/2016

Water Index No: Ont 117-140
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 17.9 Miles
Description: entire stream and tribs

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

Water Quality Problem/Issue Information

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

Conditions Evaluated

Habitat/Hydrology	Fair
Aesthetics	Unknown

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

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

Source(s) of Pollutant(s)

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

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

Crawford Creek is currently assessed as needing verification of possible minor impacts due to aquatic life that may be stressed, but this evaluation is based on a single sample that approaches a non-impacted assessment. Follow-up sampling is recommended to more fully assess the waterbody. Specific pollutants have not been identified but nutrient inputs from agricultural activity in the watershed is a possible contributing cause of impacts.

Use Assessment

Crawford Creek 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 appears to experience very minor impacts, however the assessment approaches non-impacted conditions. Due to the single sampling point that shows very minor impacts that might be better characterized as threatened conditions, additional sampling is recommended to verify current conditions. This sampling and the lack of any significant impacts can be used to infer that there are no significant 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 Crawford Creek in Belfast (at Route 19) was conducted as part of the RIBS biological screening effort in 2014. Sampling results reflect good water quality. Conditions were in the slightly impacted range but approaching non-impacted and communities were most similar to natural conditions. The macroinvertebrate community shows some beginning signs of alteration, some expected sensitive species are not present and overall macroinvertebrate species richness is somewhat lower than expected, but overall there is still balanced distribution of all expected taxa. Aquatic life is fully supported and there are no other apparent water quality impacts. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Specific sources of pollutants to the waterbody have not been identified. Identification of sources based on biological community composition was inconclusive. However the sample reflected similarity to both natural conditions and communities impacted by nonpoint sources.

Management Actions

No specific management actions have been identified or are deemed necessary for the waterbody. Additional sampling to verify conditions in this waterbody segment is recommended.

Section 303(d) Listing

Crawford Creek 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. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream and its tribs are Class C.

Hanging Bog Pond (0403-0076)

Needs Verification

Waterbody Location Information

Revised: 10/8/2015

Water Index No: Ont 117-140-P150a
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: Lake/Reservoir 28.7 Acres
Description: entire lake

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

Water Quality Problem/Issue Information

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

Conditions Evaluated

Habitat/Hydrology	Poor
Aesthetics	Poor

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

Known: Algal/Plant Growth
Suspected: Acid/Base (pH), Low D.O./Oxygen Demand, Nutrients (phosphorus)
Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: Habitat Alteration
Suspected: - - -
Unconfirmed: - - -

Management Information

Management Status: No Action Needed
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Hanging Bog Pond is assessed as needing verification of impacts. Recreational uses are considered to be impacted/impaired by excessive aquatic plant growth, however these conditions may also be considered natural for this shallow lake which is more characteristic of a wetland. Additional consideration should be given to assessing this waterbody as part of the connecting stream than as a separate lake.

Use Assessment

Hanging Bog Pond 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.

Recreation use is considered to be impaired by excessive native plant growth. Though these conditions may be natural and reflect the shallow wetland characteristics of the waterbody. (DEC/DOW, BWAM/LMAS, July 2013)

Aquatic life is thought to be supported however naturally acid conditions and low dissolved oxygen related to the wetland characteristics of the waterbody may cause minor impacts to the fishery. (DEC/DOW, BWAM/LMAS, January 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

Water quality sampling of Hanging Bog Pond was conducted through the NYSDEC Lake Classification and Inventory (LCI) in 2009 and 2010. Results of this single sampling indicate the lake is best characterized as eutrophic, or highly productive. Chlorophyll/algal levels are well above criteria corresponding to impaired recreational uses, while phosphorus concentrations were also found to be very high. A lake clarity measurements indicated water transparency that fails to meet the recommended minimum criteria for swimming beaches. (DEC/DOW, BWAM/LMAS, May 2014)

Source Assessment

Specific sources of pollutants to the waterbody have not been identified. The pond lies within a wildlife management area and is surrounded by forest.

Management Actions

No specific management actions have been identified or, in spite of the impact to some recreational uses, are deemed necessary for the waterbody. The pond lies within the 4,571 acre Hanging Bog Wildlife Management Area (WMA) which is managed by the New York State Department of Environmental Conservation (DEC). The entire watershed for the pond lies within the WMA and is almost completely forested. The WMA supports a large variety of outdoor activities including hiking, bird watching, camping, cross-country skiing, snowshoeing, hunting and fishing. The pond itself is used as an educational opportunity for campers at DEC's Camp Rushford, an environmental education camp run by the DEC. (DEC/DOW, BWAM, January 2014)

Although limited water quality results and evaluation indicate some traditional recreational uses (boating, fishing) are restricted, the natural characteristics of the waterbody as a shallow wetland also support other recreational use (hiking, birding) and provide valuable aquatic habitat. (DEC/DOW, BWAM, January 2014)

Section 303(d) Listing

Hanging Bog Pond is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. In spite of limited sampling results and evaluation of possible impairment to recreational uses, there appear to be no justification for listing this waterbody. It may be more appropriate to discontinue assessment of this waterbody as a separate lake and, instead, include it within the assessment of Crawford Creek and tribs. (DEC/DOW, BWAM/WQAS, January 2016)

Segment Description

This segment includes the total area of the entire lake.

Wigwam Creek and tribs (0403-0063)

Threatened

Waterbody Location Information

Revised: 08/12/2016

Water Index No: Ont 117-147
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 22.9 Miles
Description: entire stream and tribs

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Suspected
Aquatic Life	Threatened	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: - - -
Suspected: Unknown Pollutants (biological impacts)
Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: Agriculture, Unknown Source
Unconfirmed: - - -

Management Information

Management Status: Verification of Pollutant/Cause Needed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Wigwam Creek is assessed as being threatened due to aquatic life that is thought to be threatened. Biological sampling results show slightly impacted conditions that approach the nonimpacted range with minimal anthropogenic impacts and with a community that is most similar to natural conditions. No specific pollutant or sources have been identified, but local land use suggests agricultural activity contributes to the impacts.

Use Assessment

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

Aquatic life is considered to be supported with minimal impacts. Biological sampling of the stream shows conditions to be in the slightly impacted range, but approaching non-impacted and with a community that is most similar to natural conditions. 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. (DEC, DOW, BWAM, July 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 Wigwam Creek in Belfast (at Route 26/Belfast Road) was conducted as part of the RIBS biological screening effort in 2014. Sampling results reflect good water quality. Conditions were in the slightly impacted range but approaching non-impacted and communities were most similar to natural conditions. The macroinvertebrate community shows some beginning signs of alteration, some expected sensitive species are not present and overall macroinvertebrate species richness is somewhat lower than expected, but overall there is still balanced distribution of all expected taxa. Aquatic life is fully supported and there are no other apparent water quality impacts. This most recent sampling indicates an improvement since 2009 when sampling found conditions to be in the mid-slight range. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

There are no apparent significant sources of pollutants to the waterbody. Biological results suggest natural conditions with minimal human disturbance. Agricultural activity is a potential pollutant source. (DEC/DOW, BWAM/SBU, January 2015)

Management Actions

No specific management actions have been identified for the waterbody.

Section 303(d) Listing

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

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream and its tribs are Class C.

Black Creek and tribs (0403-0064)

No Known Impacts

Waterbody Location Information

Revised: 10/8/2015

Water Index No:	Ont 117-148	Water Class:	C
Hydro Unit Code:	Caneadea Creek-Genesee River (0413000206)	Drainage Basin:	Genesee River
Water Type/Size:	River/Stream 68.5 Miles	Reg/County:	9/Allegany (2)
Description:	entire stream and tribs		

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Suspected
Aquatic Life	Fully Supported	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:	---
Suspected:	---
Unconfirmed:	---

Source(s) of Pollutant(s)

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

Management Information

Management Status:	No Action Needed
Lead Agency/Office:	ext/WQCC
IR/305(b) Code:	Water Attaining All Standards (IR Category 1)

Further Details

Overview

Black Creek is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

Use Assessment

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

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted conditions. The upper stream is a very productive fishery. This sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. Additional bacteriological sampling is also needed to more fully evaluate other recreational and swimming use. (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 Black Creek in Belfast (at Lake Road) was conducted as part of the RIBS biological screening effort in 2009 and 2010. Sampling results indicated clearly non-impacted conditions and reflect very good water quality. Such samples are dominated by clean-water species and are most similar to a natural community with minimal human impacts. Aquatic life community is fully supported. Assessment of instream and riparian habitat reflect conditions minimally influenced by human disturbance. Habitat should not be limiting to the survival of aquatic life. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

There are no apparent sources of pollutants to the waterbody. However there is considerable agricultural activity in the watershed and efforts to protect water quality are appropriate.

Management Actions

No specific management actions have been identified for the waterbody.

Section 303(d) Listing

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

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream and its tribs are Class C.

Rockville Lake (0403-0053)

Unassessed

Waterbody Location Information

Revised: 10/8/2015

Water Index No:	Ont 117-148-P155	Water Class:	C
Hydro Unit Code:	Caneadea Creek-Genesee River (0413000206)	Drainage Basin:	Genesee River
Water Type/Size:	Lake/Reservoir 26.8 Acres	Reg/County:	9/Allegany (2)
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

This waterbody 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 total area of the entire lake.

White Creek and tribs (0403-0065)

Unassessed

Waterbody Location Information

Revised: 10/8/2015

Water Index No: Ont 117-149
Hydro Unit Code: Caneadea Creek-Genesee River (0413000206)
Water Type/Size: River/Stream 30.1 Miles
Description: entire stream and tribs

Water Class: C
Drainage Basin: Genesee River
Reg/County: 9/Allegany (2)

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

This waterbody 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 and its tribs are Class C.