



Middle Delaware River Watershed (0204010105)

Water Index Number

D (portion 3)
 D-49 thru 57 (selected)
 D-53
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Waterbody Segment

Delaware River, Middle, Main Stem (1401-0001)
 Minor Tribs to Delaware River (1401-0112)
 Callicoon Creek and minor tribs (1401-0004)
 East Br Callicoon, Lower, minor tribs (1401-0117)
 East Br Callicoon, Upper, minor tribs (1401-0118)
 Jaketown Creek and tribs (1401-0119)
 Kenoza, Pine, Hust Lakes (1401-0120)
 Hunter Lake (1401-0122)
 Briscoe Lake/Segar Pond (1401-0014)
 Stump Pond (1401-0124)
 Jefferson Lake (1401-0125)
 North Br Callicoon, Lower, and tribs (1401-0126)
 North Br Callicoon, Upper, and tribs (1401-0127)
 Anawanda Lake/Low Pond (1401-0129)
 Sand Pond (1401-0131)
 Hankins Creek and tribs (1401-0133)
 Crystal Lake (1401-0134)

Category

No Known Impacts
 Unassessed
 No Known Impacts
 No Known Impacts
 Needs Verification
 Needs Verification
 Threatened
 Unassessed
 Unassessed
 Unassessed
 Unassessed
 No Known Impacts
 No Known Impacts
 No Known Impacts
 Unassessed
 Needs Verification
 No Known Impacts

Delaware River, Middle, Main Stem (1401-0001)

No Known Impacts

Waterbody Location Information

Revised: 12/1/2016

Water Index No:	D (portion 3)	Water Class:	A(T)
Hydro Unit Code:	Upper Delaware River (0204010105)	Drainage Basin:	Delaware River
Water Type/Size:	River/Stream 27.7 Miles	Reg/County:	3/Sullivan (53)
Description:	from Cochection to Hankins		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Threatened	Suspected
Aquatic Life	Fully Supported	Suspected
Fish Consumption	Fully Supported	Unconfirmed
Conditions Evaluated		
Habitat/Hydrology	Fair	
Aesthetics	Unknown	

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

Management Status: No Action Needed
Lead Agency/Office: Other/DRBC
IR/305(b) Code: Water Attaining Some Standards (IR Category 2)

Further Details

Overview

This portion of the Delaware River is assessed as having no known impacts; all evaluated uses are considered to be fully supported. This assessment is based on limited data and sampling to verify conditions is recommended. Habitat and hydrologic conditions are considered to be fair due to temperature fluctuations resulting from reservoir releases.

Use Assessment

This waterbody segment is a Class A(T) waterbody, suitable as a water supply, for public bathing, general recreation use and support of aquatic life. This waterbody is also designated as a cold water trout fishery.

Public water supply use of this portion of the Delaware River is thought to be fully supported. The waterbody is not currently used as a public water supply, however other sampling information suggests the waterbody would support water supply use. (DEC/DOW, BWAM, October 2016)

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted 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/SBU, January 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 the Delaware River, Middle, Main Stem in Buckingham was conducted as part of the RIBS biological screening effort in 2014. Sampling results indicated non-impacted conditions and very good water quality, however this evaluation is noted as unconfirmed because it is based on a single sample; additional sampling to confirm this result is needed. Such samples are dominated by clean-water species and are most similar to a natural community with minimal impacts. (DEC/DOW, BWAM/SBU, December 2016)

Source Assessment

There are no sources of pollution identified for this waterbody.

Management Actions

The management of river flows in the Delaware to protect the highly regarded fishery resource is particularly challenging. While reservoir releases from the New York City water supply reservoirs on the East and West Branches are generally adequate to alleviate high summer temperatures, other conflicting water uses (NYC water supply, drought management) complicate the issue. Occasionally insufficient reservoir releases result in reduced flow that limits habitat, causes thermal stress, and negatively affects the trout fishery. This issue is discussed in considerable detail in the Draft Fishery Management Plan for the Upper Delaware Tailwaters. (DEC/FWMR, Region 3, June 2000)

Due to its status as a National Wild and Scenic River, the Delaware River is also considered a highly valued recreational water resource. The listing of the segment as having Threatened recreational uses is primarily a reflection of the value of this resource, rather than any specifically identified threats. A few potential/possible sources that have been suggested include agricultural activity and on-site septic system impacts. Additional bacteriological sampling is needed to more fully evaluate swimming use.

The Delaware River Basin Commission also monitors and evaluates water quality in the main stem of the Delaware River. In general DRBC also reports that water quality in the river fully supports uses. DRBC reports fish consumption as being impacted as a result of statewide (precautionary) advisories. (DRBC, August 2000)

Section 303(d) Listing

This trib 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, October 2016)

Segment Description

This segment includes the portion of the river tribs from Mitchell Pond Brook (-48) in Cohecton to below Holihan/Adams Brook (-60) in Hankins. The waters of this portion of the stream are Class A(T). Tribs to this reach/segment are listed separately.

Minor Tribs to Delaware River (1401-0112)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-49 thru 57 (selected) **Water Class:** C
Hydro Unit Code: Lower Delaware River (0204010105) **Drainage Basin:** Delaware River
Water Type/Size: River/Stream 21.1 Miles **Reg/County:** 3/Sullivan (53)
Description: selected/smaller tribs from Cochection to Hankins

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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)

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 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, December 2016)

Segment Description

This segment includes the total length of selected/smaller tribs to the Delaware River from above Mitchell Pond Brook (-48) in Cochecton to below Hankins Creek (-58) in Hankins. Tribs within this segment include unnamed tribs -49, -50, -51, -52, -54, -55, -56 and -57. These waters are Class C, C(T) C(TS).

Callicoon Creek and minor tribs (1401-0004)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 2.6 Miles
Description: entire stream and selected/smaller tribs

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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 (IR Category 1)

Further Details

Overview

Callicoon Creek and minor tribs is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

Use Assessment

Callicoon Creek and minor tribs is a Class C(T) 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) fishery.

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted conditions. (DEC/DOW, BWAM/SBU, December 2016)

This sampling can also be used to infer that there are no impacts to recreational (fishing) uses, although more sepcific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SAS, December 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) survey of Callicoon Creek at multiple sites in Callicoon, NY was conducted in 2010. Sampling results at eight locations on Callicoon Creek including three locations on the north branch Callicoon Creek and three locations on the east branch Callicoon Creek.

Sampling results indicated non-impacted conditions and 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. (DEC/DOW, BWAM/SBU, December 2016)

Regarding habitat conditions, sampling results reflect moderate impacts with the macroinvertebrate community altered from what is expected under natural conditions. Many of the individual habitat variables ranked poorly at these locations including; bank vegetative protection, width of the riparian zone, riffle frequency, bank stability and sediment deposition. Despite the alterations to habitat at these locations, results suggest water quality was good enough to counter these disturbances.

Source Assessment

There are no apparent sources of pollutants to the waterbody. Biological results suggest natural conditions.

Management Actions

Some locations on Callicoon Creek would benefit from improvements to local habitat conditions. These would include improvements to increase riparian vegetative protection, improve bank stability and widen buffers between adjacent developed and agricultural lands. These improvements could help to ensure the overall water quality in the Callicoon Creek watershed remains supportive of aquatic life.

Section 303(d) Listing

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

Segment Description

This segment includes the entire stream and all tribs from the mouth to East/North Branches near Hortonville. The waters of the river are Class C(T). Tribs to this reach are Class C. The East and North Branches as well as larger lakes in the watershed are listed separately. (December 2000)

East Br Callicoon, Lower, minor tribs (1401-0117)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-1
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 57.5 Miles
Description: stream and selected tribs from mouth to Jeffersonville

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

East Branch Callicoon, Lower, minor tribs is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

Use Assessment

East Branch Callicoon, Lower, minor tribs is a Class C(T) waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply. The waterbody is also designed as a cold water (trout) fishery.

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted conditions (DEC/DOW, BWAM/SBU, December 2016)

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 that this is the case.

Habitat/Hydrology limitations to aquatic life have been evaluated. Habitat/hydrology conditions reflect minimal human disturbances and do not appear to limit or otherwise influence aquatic life. 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, February 2016)

Water Quality Information

A biological (macroinvertebrate) assessment of East Branch Callicoon Creek in Hortonville and Jeffersonville was conducted in 2009. Field sampling results indicated non-impacted water quality conditions. 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, December 2016)

Source Assessment

There are no apparent sources of pollutants to the waterbody. Biological results suggest natural conditions with minimal human disturbance.

Management Actions

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

Section 303(d) Listing

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

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Jefferson Lake near Jeffersonville. The waters of this portion of the stream/river are Class C(T). Tribs to this reach, including Joe Brook (-1) and Jones Brook (-7), are primarily Class C,C(T),C(TS). Upper East Branch and Jaketown Creek as well as larger lakes in the watershed are listed separately. (December 2000)

East Br Callicoon, Upper, minor tribs (1401-0118)

Needs Verification

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-1
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 45 Miles
Description: stream and selected tribs above Jeffersonville

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

The most recent assessment of this waterbody indicated no known impacts, however that assessment is based on older and limited data and sampling to verify conditions is recommended.

Use Assessment

This portion of Callicoon 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. The waterbody is also designated as a cold water (trout) fishery.

Aquatic life was previously found to experience no known impacts, however due to the age of the data (more than 10 years old) additional sampling is needed to verify current conditions. (DEC/DOW, BWAM/SBU, June 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 2016)

Water Quality Information

There is no recent water quality information available upon which to base an assessment. However, a biological (macroinvertebrate) assessment of East Branch Callicoon Creek in Kohlertown, just below the segment, was conducted in 1999. 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, June 2002)

Source Assessment

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

Management Action

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

Section 303(d) Listing

East Branch, Upper, minor tribs is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impairments that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, December 2016)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs above Jefferson Lake near Jeffersonville. The waters of this portion of the stream/river are Class C(T). Tribs to this reach, including Briscoe Creek (-14), Panther Rock Brook (-16), Horseshoe Brook (-18) and Shingle Brook (-19), are primarily Class C,C(T),C(TS). (December 2000)

Jaketown Creek and tribs (1401-0119)

Needs Verification

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-1- 8
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 26.8 Miles
Description: entire stream and tribs

Water Class: B
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

Jaketown Creek is currently assessed as needing verification of minor impacts due to aquatic life that may be stressed, but this evaluation is based on a single sample and needs to be more fully assessed. Specific pollutants have not been identified but agriculture is a possible source. Recreational uses may also be affected.

Use Assessment

Jaketown Creek is a Class B waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply.

Aquatic life may experience some impacts, however due to the limited data additional sampling is needed to verify current 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. Additional sampling is needed to more fully evaluate other recreational uses. (DEC/DOW, BWAM/SBU, December 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 Jaketown Creek in Bethel was conducted in 2009. Sampling results reflect fair to good 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. (DEC/DOW, BWAM/SBU, December 2016)

Source Assessment

Specific sources of pollutants to the waterbody have not been identified. Identification of sources based on biological community composition was inconclusive.

Management Actions

Additional sampling to verify the level of impact this waterbody segment is needed.

Section 303(d) Listing

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

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class B. Tribs to this reach, including Birch Ridge Creek (-1) and Hurd Brook (-P237-2), are primarily Class C,C(T),B,B(T). Larger lakes in the watershed are listed separately. (December 2000)

Kenoza, Pine, Hust Lakes (1401-0120)

Threatened

Waterbody Location Information

Revised: 12/01/2016

Water Index No:	D-53-1- 8-P232,P233,P234	Water Class:	B
Hydro Unit Code:	Middle Delaware River (0204010105)	Drainage Basin:	Delaware River
Water Type/Size:	Lake/Reservoir 126.7 Acres	Reg/County:	3/Sullivan (53)
Description:	total area of all three lakes		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

Known: ---
 Suspected: Nutrients (Phosphorus)
 Unconfirmed: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Unconfirmed: Agriculture, On-Site Septic

Management Information

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

Further Details

Overview

Kenoza Lake is assessed as being threatened due to public bathing, general recreation, and aquatic life support uses that are considered to be threatened by nonpoint source pollution due to increased development of the surrounding land.

Use Assessment

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

Recreation and public bathing are considered to be stressed due to elevated nutrients, excessive algae, and poor water clarity. Non-contact recreation (boating, fishing) is also affected by excessive aquatic vegetation. Aesthetic conditions of the lake are considered to be poor due to excessive algae and excessive aquatic vegetation. (DEC/DOW, BWAM/LMAS, December 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

Water quality sampling of Kenoza Lake has been conducted through the NYSDEC Lake Classification and Inventory (LCI) program in 2009. Results of this sampling indicate the lake is best characterized as eutrophic, or highly productive. Chlorophyll/algal levels exceed recommended criteria corresponding to stressed recreational uses, while phosphorus concentrations are typically high. Lake clarity measurements indicate water transparency meet the recommended minimum criteria for swimming beaches. Readings of pH typically fall within the range established in state water quality standards for protection of aquatic life. (DEC/DOW, BWAM/LMAS, December 2016)

Source Assessment

Based on the surrounding land use and other knowledge of the waterbody, the most likely source of impacts to the waterbody are onsite-septic.

Management Actions

Periodic surveillance for invasive exotic plant species may help to prevent the establishment and spread of any new invaders, given the escalating problems with exotic aquatic weeds. Algae identification would determine if the lake may suffer from harmful algal blooms (HABs) and/or the production of algal toxins. Development around the lake has the possibility of negatively impacting the water quality of the lake. Developers should adhere to proper erosion and sediment control standards during land clearing and building. Maintaining a forested buffer around the lake will help decrease runoff from the steep slopes that surround the lake. Limiting the use of fertilizers and ensuring that septic systems are properly maintained will help limit nutrient inputs to the lake.

Section 303(d) Listing

This trib 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, December 2016)

Segment Description

This segment includes total area of all three lakes.

Hunter Lake (1401-0122)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-1- 8-P237
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: Lake/Reservoir 101.1 Acres
Description: entire lake

Water Class: B
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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 B waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply.

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

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 trib 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, December 2016)

Segment Description

This segment includes the entire portion of the lake.

Briscoe Lake/Segar Pond (1401-0014)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No:	D-53-1-14-P241	Water Class:	B
Hydro Unit Code:	Middle Delaware River (0204010105)	Drainage Basin:	Delaware River
Water Type/Size:	Lake/Reservoir 64.9 Acres	Reg/County:	3/Sullivan (53)
Description:	entire lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

Management Status: Reassessment Needed
Lead Agency/Office: Other/Lake Association
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

The most recent assessment of this waterbody indicated minor impacts, however that assessment is based on older and limited data and sampling to verify conditions is recommended.

Use Assessment

Briscoe Lake and Segar Pond are Class B waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply.

Public bathing and recreational uses of Briscoe Lake and Segar Pond were previously found to possibly be affected by nutrient loadings from agricultural activities and various other nonpoint sources. Note that although they are designated Class B, there are currently no public/regulated bathing beaches on these lakes.

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. (NYSDOH Health Advisories and DEC/DOWN, BWAM, January 2014)

Water Quality Information

Heavy algal blooms and extensive aquatic weed growth in Briscoe Lake were previously reported. A USEPA EMAP study of the lake was conducted in 1991. Although very limited (one single visit), the results suggested stressed recreational uses. Due to the limited data as well as its age, water quality conditions in the lake need to be verified. (DEC/DOW, Lakes Services, April 2001)

Source Assessment

Based on the surrounding land use and other knowledge of the waterbody, the most likely sources of impacts to the waterbody are agricultural activities and various other nonpoint sources.

Management Actions

Lakes that are completely surround by privately held land with no clear public access nor other public use (drinking water supply) are not usually selected for sampling through the LCI program. Existing Lake Associations and/or Lake Residents are encourage to learn more about how to engage in citizen monitoring and general lake management. A range of general best management practices and other recommendations to restore and protect water quality in all lakes is outlined in the NYSDEC manual Diet for a Small Lake (NYSDEC/FOLA, 2009).

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, December 2016)

Segment Description

This segment includes the entire portion of the two waterbodies.

Stump Pond (1401-0124)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-1-16-1-P245
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: Lake/Reservoir 22.6 Acres
Description: entire lake

Water Class: B(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

Management Status: Reassessment Needed
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 B(T) waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply. This waterbody is also designated as a cold water (trout) fishery.

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. (NYSDOH Health

Advisories and DEC/DOWN, BWAM, January 2014)

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 trib 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, December 2016)

Segment Description

This segment includes the entire portion of the lake.

Jefferson Lake (1401-0125)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No:	D-53-1-P240a	Water Class:	B
Hydro Unit Code:	Middle Delaware River (0204010105)	Drainage Basin:	Delaware River
Water Type/Size:	Lake/Reservoir 49.6 Acres	Reg/County:	3/Sullivan (53)
Description:	entire lake		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated	Severity
Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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 B waterbody, suitable for public bathing, general recreation use and support of aquatic life, but not as a water supply.

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. (NYSDOH Health Advisories and DEC/DOWN, BWAM, January 2014)

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, December 2016)

Segment Description

This segment includes the entire portion of the lake.

North Br Callicoon, Lower, and tribs (1401-0126)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-2
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 33.7 Miles
Description: stream and tribs from mouth to North Branch

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

North Branch of Callicoon Creek is assessed as having no known impacts all evaluated uses are considered to be fully supported.

Use Assessment

North Branch of Callicoon Creek is a Class C(T) 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) fishery.

Aquatic Life is considered to be fully supported based on biological sampling that shows non-impacted conditions. (DEC/DOW, BWAM/SBU, December 2016)

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/SBU, December 2016)

Fish Consumption use is considered to be unassessed. There are no health advisories limiting the consumption of fish from this waterbody (beyond the general advice for all waters). However due to the presence of impacts/contaminants

in the stream and the uncertainty as to whether the lack of a waterbody-specific health advisory is based on actual sampling, fish consumption use is noted as unassessed, rather than fully supported but unconfirmed.

Water Quality Information

Biological (macroinvertebrate) assessments of North Branch Callicoon Creek in Hortonville and North Branch was conducted as part of the RIBS effort in 2014. Field sampling results indicated non-impacted water quality conditions and very good water quality at both sites. 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. (DEC/DOW, BWAM/SBU, December 2016)

Source Assessment

There are no apparent sources of pollutants to the waterbody.

Management Actions

No specific management actions have been identified or deemed necessary for the waterbody. Given the generally low level of impact, local stakeholders (SWCD/WQCC) – with input from Regional DOW staff – would be appropriate to oversee protection efforts.

Section 303(d) Listing

This waterbody 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, December 2016)

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to/incl Buck Brook near North Branch. The waters of this portion of the stream are Class C(T). Tribs to this reach, including Calkins Creek (-1), Tyler Brook (-3), Buck Brook (-5), are primarily Class C,C(T),C(TS). (December 2000)

North Br Callicoon, Upper, and tribs (1401-0127)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-2
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 30.5 Miles
Description: stream and tribs above North Branch

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

North Branch Callicoon Creek is considered to have known impacts; all evaluated uses are considered to be fully supported.

Use Assessment

North Branch Callicoon Creek is a Class C(T) 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) fishery.

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted conditions. This sampling can be used to infer that there are no impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SBU, December 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. (NYSDOH Health

Advisories and DEC/DOWN, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Callicoon Creek in North Branch was conducted in 2014. Sampling indicated non-impacted conditions and 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. (DEC/DOW, BWAM/SBU, December 2016)

Source Assessment

There are no apparent sources of pollutants to the waterbody.

Management Actions

No specific management actions have been identified or deemed necessary for the waterbody. Given the generally low level of impact, local stakeholders (SWCD/WQCC) – with input from Regional DOW staff – would be appropriate to oversee protection efforts.

Section 303(d) Listing

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

Segment Description

This segment includes the portion of the stream and all tribs above Buck Brook near North Branch. The waters of this portion of the stream are Class C(T). Tribs to this reach, including Gulf Brook (-11, Sand Pond Outlet (-13), are primarily Class C,C(T),C(TS). (December 2000)

Anawanda Lake/Low Pond (1401-0129)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-2- 9-2-P251
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: Lake/Reservoir 40.2 Acres
Description: entire lake

Water Class: B(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

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

Use Assessment

This waterbody segment is a Class B(T) waterbody, suitable for public bathing, general recreation, 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 Anawanda Lake, consistent with relatively low lake productivity, acceptable water clarity, and the lack of invasive species. 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.

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

Water Quality Information

Water quality sampling of Anawanda Lake/Low Pond has been conducted through Citizens Statewide Lake Assessment Program (CSLAP) in 2015. Results of this sampling indicate the lake is best characterized as mesoligotrophic, or moderately unproductive, based on water clarity, total phosphorus readings (both typical of oligotrophic lakes) and chlorophyll a readings (typical of mesotrophic lakes). Lake clarity measurements indicate water transparency that meet the recommended minimum criteria for swimming beaches. Deepwater phosphorus readings are higher than those measured at the lake surface. These readings have decreased slightly over the last decade, suggesting that any slight longer-term increases in phosphorus readings may not continue. Open water samples are comprised primarily of green algae and other non-toxic forms, although, as noted above, all algae readings are low.

No clear trends in lake productivity were apparent in 2015; nutrient, algae and water clarity readings changed slightly from sample to sample. Nutrient levels typically increase slightly in late summer into the fall, consistent with the migration of nutrients from the bottom waters into the surface later in the sampling season. This results in a slight fall increase in algae levels and drop in water clarity, although these were also not apparent in 2015 (perhaps due to lower deepwater nutrient levels).

Source Assessment

There are no apparent sources of pollutants to the waterbody.

Management Actions

Given the generally low level of impact, local stakeholders (SWCD/WQCC) – with input from Regional DOW staff – would be appropriate to oversee protection efforts.

There is no public access to the lake. Lakes that are completely surrounded by privately held land with no clear public access nor other broader public use are typically lower priority for NYSDEC Lake sampling efforts. Lake Associations and/or residents are encouraged to learn more about how to engage in citizen monitoring and general lake management. The Citizen Statewide Lake Assessment Program (CSLAP) is a volunteer lake monitoring program of both public and private lakes. The CSLAP program is managed in partnership with the New York State Federation of Lake Associations (FOLA). A range of general best management practices and other recommendations to restore and protect water quality in all lakes is outlined in the NYSDEC manual Diet for a Small Lake (NYSDEC/FOLA, 2009).

Section 303(d) Listing

This waterbody 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.

Segment Description

This segment includes the entire portion of the lake.

Sand Pond (1401-0131)

Unassessed

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-53-2-13-P255
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: Lake/Reservoir 64 Acres
Description: entire lake

Water Class: B
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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

Sand Pond is a Class B waterbody suitable for public bathing, general recreation, support of aquatic life, but not as a water supply.

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

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 trib 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, October 2016)

Segment Description

This segment includes the entire portion of the pond.

Hankins Creek and tribs (1401-0133)

Needs Verification

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-58
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: River/Stream 29.1 Miles
Description: entire stream and tribs

Water Class: C(T)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

Hankins Creek is currently assessed as needing verification of minor impacts due to aquatic life that may be impaired, but this evaluation is based on a single sample and needs to be more fully assessed. Specific pollutants have not been identified.

Use Assessment

Hankins Creek is a Class C(T) waterbody, suitable for general recreation and support of aquatic life but not for public bathing or as a water supply.

Aquatic life may experience some impacts, however due to the limited data additional sampling is needed to verify current 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/SBU, December 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 Hankins Creek in Hankins was conducted in 2009. Sampling results reflect fair to good 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. This evaluation is noted as unconfirmed because it is based on a single sample; additional sampling to confirm this result is needed. (DEC/DOW, BWAM/SBU, December 2016)

Source Assessment

Identification of sources based on biological community composition was inconclusive.

Management Actions

Additional sampling to verify the level of impact in this waterbody is needed.

Section 303(d) Listing

Hankins 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, October 2016)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T) from the mouth to trib -7 and Class C(TS) for the remainder of the reach. Tribs to this reach are primarily Class C, C(T) and C(TS). Larger lakes in the watershed are listed separately. (December 2000)

Crystal Lake (1401-0134)

No Known Impacts

Waterbody Location Information

Revised: 12/01/2016

Water Index No: D-58-P260
Hydro Unit Code: Middle Delaware River (0204010105)
Water Type/Size: Lake/Reservoir 36.4 Acres
Description: entire lake

Water Class: B(TS)
Drainage Basin: Delaware River
Reg/County: 3/Sullivan (53)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Management Information

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

Further Details

Overview

Crystal Lake is currently assessed as unassessed. There is inadequate data and information to evaluate uses and determine a water quality assessment for the waterbody.

Use Assessment

Crystal Lake is a class B(T) waterbody, suitable for public bathing and general recreation use, and support of aquatic life but not as a water supply.

Aquatic life is considered to be fully supported based on the Division of Fish and Wildlife assessments that indicate a healthy (cold water) fishery. (DEC/DFW, Region 3, December 2015)

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 fish survey was conducted in 2015 by the Division of Fish and Wildlife in the town of Freemont. This survey was conducted to confirm the status of self-sustaining brook trout populations that were re-established following the 1987 reclamation.

Source Assessment

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

Management Actions

Additional sampling to verify conditions regarding recreational uses in Crystal Lake is needed.

Section 303(d) Listing

Crystal Lake 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.

Segment Description

This segment includes the entire portion of the Lake.