



# Willowemoc Creek Watershed (con't)

## Water Index Number

D-70-20-25-15  
D-70-20-25-15-5-P326/P327  
D-70-20-25-15-P328  
D-70-20-25-16-P329  
D-70-20-25-25-1-P331  
D-70-20-25-27-P332

## Waterbody Segment

Mongaup Creek and tribs (1403-0034)  
Frick, Hodge Ponds (1403-0035)  
Mongaup Pond (1403-0075)  
Hunter Pond (1403-0076)  
Long Pond (1403-0077)  
Sand Pond (1403-0078)

## Category

Unassessed  
Unassessed  
No Known Impacts  
Unassessed  
Unassessed  
No Known Impacts

# Willowemoc Creek, Lower, and minor tribs (1403-0059) No Known Impact

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 44.7 Miles  
**Description:** stream and selected tribs fr mouth to Livingston Manor

**Water Class:** C(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	N/A	-
Recreation	Fully Supported	Known
Aquatic Life	Threatened	Suspected
Fish Consumption	Fully Supported	Unconfirmed
<b>Conditions Evaluated</b>		
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:** DEC/DFW  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

This portion of the Willowemoc Creek is assessed as having no known impacts: all evaluated uses are considered to be fully supported.

### Use Assessment

Willowemoc Creek, Lower and minor tribs is a Class C(TS) waterbody suitable for general recreation 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.

The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery and aquatic life use support is assessed as Threatened to reflect the value of this resource and encourage protection. (DEC/DOW, BWAR, February 2017)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general

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

#### Water Quality Information

A biological (macroinvertebrate) assessment of this portion of the Willowemoc above Livingston Manor and in Hazel, above Hazel Rd. bridge was conducted as part of biological monitoring in 2014. 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.

Biological (macroinvertebrate) assessments of the Willowemoc at the mouth in Roscoe in 2009. Sampling results indicated non-impacted conditions and very good water quality. (DEC/DOW, BWAM/SBU, 2009)

#### 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 and Division of Fish and Wildlife staff – would be promote watershed efforts to protect water quality and use.

#### 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 (DEC/DOW, BWAM/WQAS, January 2017)

#### Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Little Beaver Kill (-9) near Livingston Manor. The waters of this portion of the stream are Class C(TS). Tribs to this reach, including Abe Wood/Lakewood Brook (-1), Stewart Brook (-2), Bennett Brook (-3), Hazel Brook (-4) Bascom Brook (-5), Elm Hollow Brook (-6) and Cattail Brook (-8), are primarily Class B,B(T),B(TS) with some waters designated Class C(TS) and AA(T). Little Beaver Kill (-9) as well as larger lakes in the watershed are listed separately. (December 2000)

# Willowemoc Creek, Middle, and tribs (1403-0025)

# No Known Impact

## Waterbody Location Information

Revised: 01/30/2017

**Water Index No:** D-70-20-25  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 26.3 Miles  
**Description:** stream and selected tribs fr Livingston Mnr to Debruce

**Water Class:** C(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	N/A	-
Recreation	Fully Supported	Known
Aquatic Life	Threatened	Suspected
Fish Consumption	Fully Supported	Unconfirmed
<b>Conditions Evaluated</b>		
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:** DEC/DFW  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

This portion of the Willowemoc is assessed as having no known impacts; all evaluate uses are considered to be fully supported.

### Use Assessment

Willowemoc Creek, Middle, and tribs is a Class C(TS) waterbody, suitable for general recreation use and support of aquatic life but not for public bathing or as a water supply.

The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery and aquatic life use support is assessed as Threatened to reflect the value of this resource and encourage protection. (DEC/DOW, BWAM, February 2017)

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

Biological (macroinvertebrate) assessments of the Willowemoc below Livingston Manor and above DeBruce were conducted in 2009. Field sampling results indicated non-impacted water quality conditions. (DEC/DOW, BWAM/SBU, September 2009)

#### Source Assessment

There are no apparent sources of pollutants to this waterbody.

#### Management Actions

Given the generally low level of impact, local stakeholders (SWCD/WQCC) – with input from Regional DOW and Division of Fish and Wildlife staff – would be promote watershed efforts to protect water quality and use.

#### 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 (DEC/DOW, BWAM/WQAS, January 2017)

#### Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the Little Beaver Kill in Livingston Manor to Mongaup Creek in DeBruce. The waters of this portion of the stream are Class C(TS). Tribs to this reach (not in Forest Preserve Lands), including Frog Hollow Creek (-14), are primarily Class B,B(T). Sprague Brook (-11) and Mongaup Creek (-15) as well as larger lakes in the watershed are listed separately. (December 2000)

# Willowemoc Creek, Upper, and tribs (1403-0026)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 67.1 Miles  
**Description:** stream and tribs above Debruce

**Water Class:** C(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	N/A	-
Recreation	Fully Supported	Known
Aquatic Life	Threatened	Suspected
Fish Consumption	Fully Supported	Unconfirmed
<b>Conditions Evaluated</b>		
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:** DEC/DFW  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

This portion of the Willowemoc is assessed as having no known impacts; all evaluate uses are considered to be fully supported.

### Use Assessment

Willowemoc Creek, Upper, and tribs is a Class C(TS) waterbody, suitable for general recreation use and support of aquatic life but not for public bathing or as a water supply.

The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery and aquatic life use support is assessed as Threatened to reflect the value of this resource and encourage protection. (DEC/DOW, BWMR, February 2017)

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

Biological (macroinvertebrate) assessments of the Willowemoc below Livingston Manor and above Debruce were conducted in 2009. Field sampling results indicated non-impacted water quality conditions. (DEC/DOW, BWAM/SBU, September 2009)

#### Source Assessment

There are no apparent sources of pollutants to this waterbody.

#### Management Actions

Given the generally low level of impact, local stakeholders (SWCD/WQCC) – with input from Regional DOW and Division of Fish and Wildlife staff – would be promote watershed efforts to protect water quality and use.

#### 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 (DEC/DOW, BWAM/WQAS, January 2017)

#### Segment Description

This segment includes the portion of the stream and all tribs above Mongaup Creek in Debruce. The waters of this portion of the stream (not in the Forest Preserve Lands) are Class C(TS). Tribs to this reach (not in Forest Preserve Lands), including Hunter Brook (-16), Fall Brook (-24), Fir Brook (-25) and Butternut Brook (-27), are primarily Class C(T),C(TS). Larger lakes in the watershed are listed separately. (December 2000)



# Lake Florence/Round Lake (1403-0060)

Unassessed

## Waterbody Location Information

Revised: 01/30/2017

**Water Index No:** D-70-20-25- 1-P294  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 31.5 Acres  
**Description:** entire lake

**Water Class:** AA(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	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-
<b>Conditions Evaluated</b>		
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 AA(T) waterbody, suitable for water supply, public bathing, general recreation use and support of aquatic life.

### 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, February 2017)

**Segment Description**

This segment includes the entire portion of the lake.

# Mud Pond (1403-0027)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 6-P295  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 17.8 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	Unassessed	-
<b>Conditions Evaluated</b>		
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(T) waterbody, suitable for public bathing and general recreation use, and support of aquatic life, but not as a water supply.

### 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, February 2017)

**Segment Description**

This segment includes the entire portion of the lake.

# Cattail Brook and tribs (1403-0029)

# Minor Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 8  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 13.9 Miles  
**Description:** entire stream and tribs

**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	Fully Supported	Suspected
Aquatic Life	Stressed	Known
Fish Consumption	Fully Supported	Unconfirmed
Conditions Evaluated		
Habitat/Hydrology	Unknown	
Aesthetics	Unknown	

### Type of Pollutant(s)

Known: - - -  
Suspected: Unknown Pollutants (biological impacts)  
Unconfirmed: Silt/Sedimentation

### Source(s) of Pollutant(s)

Known: - - -  
Suspected: - - -  
Unconfirmed: Streambank Erosion

## Management Information

**Management Status:** Verification of Pollutants/Causes Needed  
**Lead Agency/Office:** Other/WQCC  
**IR/305(b) Code:** Water Attaining Some Standards (IR Category 2)

## Further Details

### Overview

Cattail Brook and tribs is assessed as having minor impacts due to aquatic life use that is known to be stressed. No specific pollutant or sources have been identified.

### Use Assessment

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

Aquatic life is evaluated as 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. Additional (bacteriological) sampling is needed to more fully evaluate public bathing. (DEC/DOW, BWAM/SBU, February 2017)

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 Cattail Brook in Livingston Manor at River Street Bridge was conducted as part of the RIBS biological monitoring effort in 2014. 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. (DEC/DOW, BWAM/SBU, February 2017)

#### Source Assessment

Based on surrounding land use and other knowledge of the waterbody (recent flooding events), streambank erosion is a possible source of impact to the waterbody. Identification of sources based on biological community composition was inconclusive.

#### Management Actions

A Flood Risk Management and Ecosystem Restoration Feasibility Report was developed in 2016 by the U.S. Army Corps of Engineers Philadelphia District and the New York State Department of Environmental Conservation. The report provides recommendations for future actions to investigate potential flood risk and management solutions and identify ecosystem restoration opportunities within the community of Livingston Manor.

#### Section 303(d) Listing

Cattail Brook and 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, February 2017)

#### Segment Description

This segment includes the entire stream and selected tribs. The waters of this portion of the stream are Class B(TS). Tribs within this segment, including Shandeleer Brook to Shandeleer Lake are primarily B(TS) with some portions designated as C(T). Shandeleer Lake is listed separately.

# Shandee Lake (1403-0061)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 8-2-P299  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 88.1 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

### 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/Region 3  
**IR/305(b) Code:** Water Attaining all Standards (IR Category 1)

## Further Details

### Overview

Shandee Lake is assessed as having no known impacts; all uses are evaluated as fully supported.

### Use Assessment

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

Aquatic life is suspected to be fully supported however additional biological studies would be needed to fully evaluate aquatic life use support. Recreation use is fully supported; there are no impacts to boating and fishing

### Water Quality Information

Water quality sampling of Shandee Lake was conducted through the New York State Classification and Inventory (LCI) Program in 2009. Results of this sampling indicate that the lake is best characterized as mesotrophic or moderately to highly productive. The water clarity reading was lower than expected given the phosphorus reading but was expected given the chlorophyll a reading. These data suggest that baseline nutrient levels do not support persistent algae blooms,

but there may tend to be slightly elevated algae levels in the lake during the summer.

#### Source Assessment

There are no known sources of pollutants to this waterbody.

#### 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.

#### 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.



# Little Beaver Kill and minor tribs (1403-0062)

# No Known Impacts

---

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 64.1 Miles  
**Description:** entire stream and selected/smaller tribs

**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	Fully Supported	Suspected
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:** BWAM/SBU  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

---

## Further Details

### Overview

The Little Beaverkill and minor tribs is assessed as having no known impacts; all evaluated uses are fully supported.

### Use Assessment

The Little Beaverkill and minor tribs 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 biological sampling that shows non-impacted conditions. This sampling can also 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, February 2017)

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 Little Beaverkill in Morsston (at DEC fishing access) was conducted as part of the RIBS biological screening effort in 2014. 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. These results are comparable to sampling results found in 2004. Sampling in 2009 indicated slight impacts, but those sampling results were thought to be influenced by flooding at the time. Aquatic life is considered to be fully supported. (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. There have been previous reports of discharges from commercial establishments below Parkville. There is no evidence of an related impacts at the mouth of the stream, but problems would likely be more localized and conditions should be verified. (DEC/FWMR, Region 3, April 2001)

#### Management Actions

No Specific Management Actions have been identified or deemed necessary for the waterbody.

#### 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 impairments that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, February 2017)

#### Segment Description

This segment includes the entire stream and selected tribs. The waters of this portion of the stream are Class B(T). Tribs to this reach, including Benton Hollow Brook (-5), are primarily Class B,B(T),B(TS) with some waters designated Class C,C(TS). A Class AA portion of trib -1 as well as larger lakes in the watershed are listed separately.

# Matawa Lake Outlet, Upper, and tribs (1403-0064)

# Minor Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-2  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 3.8 Miles  
**Description:** stream and tribs above water supply dam

**Water Class:** AA  
**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	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Stressed	Unconfirmed
Aquatic Life	Stressed	Suspected
Fish Consumption	Fully Supported	Unconfirmed
Conditions Evaluated		
Habitat/Hydrology	Unknown	
Aesthetics	Unknown	

### Type of Pollutant(s)

Known: - - -  
 Suspected: Unknown Pollutants (biological impacts)  
 Unconfirmed: Silt/Sedimentation

### Source(s) of Pollutant(s)

Known: - - -  
 Suspected: - - -  
 Unconfirmed: Streambank Erosion

## Management Information

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

## Further Details

### Overview

This portion of Metawa Lake Outlet is assessed as having minor impacts due to recreation and aquatic life that are thought to be stressed.

### Use Assessment

This waterbody is a Class AA waterbody suitable for waterbody supply, public bathing and general recreation use, and support of aquatic life.

Aquatic life is evaluated as stressed based on biological sampling that shows slight impacts. This sampling can also be used to infer that there are minor impacts to recreational fishing uses, although more specific sampling is necessary to confirm this is the case. Additional bacteriological sampling is needed to more fully evaluate public bathing and other recreational uses. (DEC/DOW, BWAM/SBU, February 2017)

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

Health Advisories and DEC/DOW, BWAM, January 2014)

#### Water Quality Information

A biological (macroinvertebrate) assessment of this waterbody in Livingston Manor was conducted in 2009 as part of the RIBS biological screening effort in 2009. Sampling results reflect fair water quality, with the macroinvertebrate community slightly 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, February 2017)

#### Source Assessment

Based on surrounding land use and other knowledge of the waterbody, streambank erosion is a likely source of silt and sedimentation impacts to the waterbody.

#### Management Actions

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

#### Section 303(d) Listing

This waterbody is not on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There is insufficient documentation of impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, February 2017)

#### Segment Description

This segment includes the portion of the trib and sub-tribs above the water supply dam. These waters are Class AA. Larger lakes in the watershed are listed separately. (December 2000)

# Matawa, Lenape Lakes (1403-0065)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-2-P302,P303  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 49.5 Acres  
**Description:** total area of both lakes

**Water Class:** AA  
**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	Unassessed	-
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 AA waterbody, suitable for water supply, public bathing and general recreation use, and support of aquatic life.

### 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

These lakes are 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, February 2017)

#### Segment Description

This segment includes the entire portion of both lakes.

# Revonah Lake (1403-0066)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-5- P305  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 36.7 Acres  
**Description:** entire lake

**Water Class:** AA  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-
<b>Conditions Evaluated</b>		
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 AA waterbody, suitable for water supply, public bathing, general recreation use and support of aquatic life.

### 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, February 2017)

**Segment Description**

This segment includes the entire portion of the waterbody.



# Olympus Lake/Shaw Pond (1403-0028)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-6-P307  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 10.9 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	Unassessed	-
<b>Conditions Evaluated</b>		
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/Region 3  
**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, February 2017)

**Segment Description**

This segment includes the entire portion of the lake.

# Melbern Lake (1403-0031)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-8-P309  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 8.9 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.

### 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, February 2017)

**Segment Description**

This segment includes the entire portion of the lake.

# Lily Pond (1403-0067)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-9- P311  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 74.3 Acres  
**Description:** entire lake

**Water Class:** AA  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

### 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

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

### Use Assessment

Lily Pond is a Class AA waterbody, suitable for water supply, public bathing and general recreation use, and support of aquatic life.

There is no evidence of recreation use impacts in Lily Pond, consistent with relatively low lake productivity, acceptable water clarity, and the lack of invasive species and/or excessive aquatic vegetation. (DEC/DOW, BWAM/LCI, February 2017)

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 Lily Pond has been conducted through the NYSDEC Lake Classification and Inventory (LCI) 2009. Results of this sampling indicate the lake is best characterized as mesotrophic, or moderately productive. Chlorophyll/algal levels are above criteria corresponding to impaired/impacted/stressed recreational uses, while phosphorus concentrations are typically low. Lake clarity measurements indicate water transparency meet the recommended minimum criteria for swimming beaches.

Lily Pond is suitable as a water supply and is currently being used for this purpose. LCI data are not sufficient to evaluate potable water use. Bacteria data are needed to evaluate the safety of Lily Pond for swimming- these are not collected through the LCI but may be collected by the village. While swimming is not allowed on the pond, the data collected through the LCI did not indicate any issues that would prevent the pond from being used for swimming. The water clarity was above the State Department of Health's guidance value of 1.2 meters to protect the safety of swimmers.

#### 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.

#### 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, February 2017)

#### Segment Description

The lake is Class B from outlet to Upper Dam, and Class AA above Upper Dam.

# Cranberry Pond (1403-0032)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-9-1-P310  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 19.2 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the lake.



# North Pond (1403-0068)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25- 9-P316  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 55.2 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the waterbody.

# Trojan Lake (1403-0063)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-10-P317a  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 29.1 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	Fully Supported	Known
Aquatic Life	Fully Supported	Known
Fish Consumption	Fully Supported	Unconfirmed
<b>Conditions Evaluated</b>		
Habitat/Hydrology	Unknown	
Aesthetics	Good	

### 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

Trojan Lake is assessed as a having no known impacts; all evaluated uses are fully supported.

### Use Assessment

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

There is no evidence of recreation use impacts in this waterbody, 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. The water clarity reading was above the New York State Department of Health's standard for protecting the safety of swimmers, and the water quality conditions of the open water areas of the lake appear to be adequate to support some swimming. Aquatic life use is fully supported but additional biological studies would need to be conducted

to evaluate any impacts to aquatic life. (DEC/DOW, BWAM/LCI, February 2017)

#### Water Quality Information

Water quality sampling of Trojan Lake was conducted through the New York State Classification and Inventory (LCI) Program in 2009. Results of this sampling indicate that the lake is best characterized as mesotrophic or moderately to highly productive. The water clarity reading was lower than expected given the phosphorus reading but was expected given the chlorophyll a reading. These data suggest that baseline nutrient levels do not support persistent algae blooms, but there may tend to be slightly elevated algae levels in the lake during the summer.

#### Source Assessment

There are no apparent sources of pollutants to this waterbody.

#### Management Actions

Trojan Lake was included in the 2009 screening LCI survey of the Delaware River basin based on an inquiry from a local resident on excessive aquatic weed growth in the lake. 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 in area. Any management of the watershed or surface plant communities in the lake, if undertaken, should be limited to securing access to the open water via creation of boating channels.

#### 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. (DEC/DOW, BWAM/WQAS, February 2017)

#### Segment Description

This segment includes the entire portion of the lake.

# Sprague Brook and tribs (1403-0033)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 18.3 Miles  
**Description:** entire stream and tribs

**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	Fully Supported	Unconfirmed
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

Sprague Brook is a Class B(T) waterbody suitable for public bathing, general recreation use, and support of aquatic life, but not as a water supply. 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, February 2017)

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, May 2015)

#### Water Quality Information

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

A biological (macroinvertebrate) assessment of Sprague Brook near Parkson 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 2001)

#### 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, October 2016)

#### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class B(T). Tribs to this reach are Class B,B(T). Larger lakes in the watershed are listed separately. (December 2000)

# White Roe Lake (1403-0069)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11..P318  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 18.0 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the waterbody.



# Maple Lake/Knapp Pond (1403-0070)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11..P320  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 10.6 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

**Segment Description**

This segment includes the entire portion of the waterbody.

# Lake Uncas, Forest Lake (1403-0071)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11..P321,P322  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir **66.2** 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the total area of both Lake Uncas (P321) and Forest Lake (P322).

# Knickerbocker/Trout Pond (1403-0073)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11..P323  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 13.1 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the lake.

# Orchard Lake (1403-0074)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-11..P324  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 36.5 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	Unassessed	-
<b>Conditions Evaluated</b>		
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(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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the waterbody.



# Mongaup Creek and tribs (1403-0034)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-15  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** River/Stream 23.9 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	Fully Supported	Unconfirmed
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 Attaining All Standards (IR Category 1)

## Further Details

### Overview

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.

### Use Assessment

Mongaup 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 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, February 2017)

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, May 2015)

#### 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.

A biological (macroinvertebrate) assessment of Mongaup Creek in DeBruce 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 2001)

#### 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, February 2017)

#### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T). Tribs to this reach are Class C,C(T). Larger lakes in the watershed are listed separately. (December 2000)

# Frick, Hodge Ponds (1403-0035)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-15-5-P326/P327  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 25.2 Acres  
**Description:** total area of both lakes

**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	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 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.

### 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, February 2017)

#### Segment Description

This segment includes the total area of both lakes.

# Mongaup Pond (1403-0075)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-15-P328  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 94.4 Acres  
**Description:** entire lake

**Water Class:** FP  
**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	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Fully Supported	Known
Aquatic Life	Fully Supported	Known
Fish Consumption	Fully Supported	Suspected
<b>Conditions Evaluated</b>		
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:** DOW/Region 3  
**IR/305(b) Code:** Water Attaining Some Standards (IR Category 2)

## Further Details

### Overview

The most recent assessments of Mongaup Pond indicates no known impacts; all evaluated uses are considered to be fully supported.

### Use Assessment

Mongaup Pond is located in the Catskill Forest Preserve and is considered to be a Class FP or N water which means it is suitable for use as a water supply, public bathing, general recreation, and support of aquatic life use.

All assessed uses are considered to be fully supported based on sampling that shows non-impacted conditions. There is no evidence of recreation use impacts in Mongaup Pond, consistent with relatively low lake productivity, acceptable water clarity, and the lack of invasive species and 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.

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 Mongaup Pond has been conducted through the NYSDEC Lake Classification and Inventory (LCI) in 2004 and 2009. Results of this sampling indicate the lake is best characterized as mesotrophic, or moderately productive. Chlorophyll/algal levels are below criteria corresponding to impacted recreational uses, while phosphorus concentrations are somewhat high. Lake clarity measurements indicate water transparency typically meet the recommended minimum criteria for swimming beaches.

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

The NYS Office of Parks Recreation and Historic Preservation is responsible for the management of Mongaup Pond, which is located in the Catskill Park.

#### 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.

#### Segment Description

This waterbody includes the entire portion of the lake.

# Hunter Pond (1403-0076)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-16-P329  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 70.4 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	Unassessed	-
<b>Conditions Evaluated</b>		
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.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the lake



# Long Pond (1403-0077)

Unassessed

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-25-1-P331  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 17.7 Acres  
**Description:** entire lake

**Water Class:** FP  
**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	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-
<b>Conditions Evaluated</b>		
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 Forest Preserve waterbody and is suitable as a water supply, public bathing, general recreation use and support of aquatic life.

### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the waterbody.

# Sand Pond (1403-0078)

# No Known Impacts

## Waterbody Location Information

Revised: 1/30/2017

**Water Index No:** D-70-20-25-27-P332  
**Hydro Unit Code:** Willowemoc Creek (0204010201)  
**Water Type/Size:** Lake/Reservoir 14.3 Acres  
**Description:** entire lake

**Water Class:** B  
**Drainage Basin:** Delaware River  
**Reg/County:** 3/Ulster (56)

## 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	Suspected
Fish Consumption	Fully Supported	Unconfirmed
Conditions Evaluated		
Habitat/Hydrology	Unknown	
Aesthetics	Good	

### 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 with Insufficient Data (IR Category 3)

## Further Details

### Overview

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

### Use Assessment

Sand Pond 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 is considered to be fully supported. 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 is no evidence of recreation use impacts in Sand Pond, consistent with relatively low lake productivity, high water clarity, and the lack of invasive species and/or excessive aquatic vegetation.

### Water Quality Information

Water quality sampling of Sand Pond has been conducted through the NYSDEC Lake Classification and Inventory (LCI) in 2009. Results of this sampling indicate the lake is best characterized as oligotrophic, or unproductive. Chlorophyll/algal levels are well below criteria corresponding to impaired/impacted/stressed recreational uses, while

phosphorus concentrations are typically low. Lake clarity measurements indicate water transparency consistently exceed the recommended minimum criteria for swimming beaches. (DEC/DOW, BWAM/LMAS, July 2017)

#### 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.

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. The current policy of not allowing outside boats and limited access to the lake should minimize the risk of the introduction of exotic species to the lake.

Water quality conditions can be evaluated by the use of water clarity measurements, previously conducted on the lake. This surrogate for nutrient and algae levels is easy to measure and may provide some early warnings of changes in water quality conditions, recognizing that multiple measurements may need to be collected to evaluate normal variability.

#### 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, February 2017)

#### Segment Description

This segment includes the entire portion of the lake.