



## Middle West Branch Delaware River Watershed (0204010102)

<b>Water Index Number</b>	<b>Waterbody Segment</b>	<b>Category</b>
D-71 (portion 3)/P402a	Cannonsville Reservoir (1404-0001)	Impaired
D-71 (portion 4)	West Branch Delaware, Upper, Main Stem (1404-0021)	No Known Impacts
D-71-14 thru 32	Minor Tribs to Cannonsville Reservoir (1404-0048)	No Known Impacts
D-71-20	Trout Creek, Upper, and tribs (1404-0050)	Impaired
D-71-20- 3	Loomis Brook, Upper, and tribs (1404-0051)	No Known Impacts
D-71-25	Dryden Brook, Upper, and tribs (1404-0053)	No Known Impacts
D-71-31-P410	Russ Gray Pond (1404-0055)	Unassessed
D-71-33 thru 49	Minor Tribs to West Branch Delaware (1404-0056)	No Known Impacts
D-71-38	West Brook and minor tribs (1404-0058)	No Known Impacts
D-71-38- 1	Third Brook, Upper, and tribs (1404-0059)	Unassessed
D-71-38- 2	Carrs Brook, Upper and tribs (1404-0060)	No Known Impacts
D-71-39	East Brook, Upper, and tribs (1404-0063)	Unassessed
D-71-50 thru 60	Minor Tribs to West Branch Delaware (1404-0064)	Minor Impacts
D-71-54	Bagley Brook and tribs (1404-0065)	Unassessed
D-71-57	Platner Brook and tribs (1404-0067)	Unassessed
D-71-59	Peak Brook and tribs (1404-0069)	Unassessed

# Cannonsville Reservoir (1404-0001)

**Impaired**

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71 (portion 3)/P402a  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** Lake/Reservoir 4605.2 Acres  
**Description:** entire reservoir

**Water Class:** AA(T)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Threatened	Suspected
Public Bathing	Fully Supported	Suspected
Recreation	Fully Supported	Known
Aquatic Life	Fully Supported	Known
Fish Consumption	Impaired	Known

**Conditions Evaluated**

Habitat/Hydrology	Good
Aesthetics	Good

### Type of Pollutant(s)

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

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

Known: Agriculture, Municipal Discharges (various WWTPs)  
Suspected: ATMOSPHERIC DEPOSITION  
Unconfirmed: On-Site/Septic Syst, Streambank Erosion, Urban/Storm Runoff

## Management Information

**Management Status:** Strategy Implementation Scheduled or Underway  
**Lead Agency/Office:** Other/NYCDEP  
**IR/305(b) Code:** Impaired Water Requiring a TMDL (IR Category 5)

## Further Details

### Overview

Cannonsville Reservoir is assessed as an impaired waterbody due to fish consumption that is known to be impaired by mercury levels from atmospheric deposition. Water supply use is fully supported and represents a significant improvement in water quality since the implementation of the 2000 TMDL and other watershed protection measures to address elevated phosphorus levels. Though the impacts from point and nonpoint sources throughout the watershed have been reduced, the use of the reservoir as a part of the NYC water supply system requires continuing protection.

### Use Assessment

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

Regarding water supply use, note that the evaluation of this use focuses on the source water prior to treatment, and does not necessarily reflect the quality of water distributed for use after treatment. Monitoring of water quality at the tap is conducted by local water suppliers and public health agencies. That being said, water supply use is considered to be fully supported. Significant reductions in phosphorus levels in the reservoir have been achieved over the last 15 years through

the implementation of the phosphorus TMDL and other watershed protection measures.

There is no evidence of recreation use impacts in the Reservoir, consistent with relatively low lake productivity, generally acceptable water clarity, and the lack of invasive species and/or excessive aquatic vegetation. Note that while recreational uses are supported, actual recreational use in the Reservoir is limited due to its use as a NYC water supply. In 2012, NYCDEP initiated a recreational boating program on a number of reservoirs, including Cannonsville. (DEC/DOW, BWRMI, November 2016)

Fish consumption in the Cannonsville Reservoir is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of yellow perch and larger smallmouth bass (over 15 inches) because of elevated mercury levels. The likely source of the mercury is atmospheric deposition. NYC DEP routinely monitors the water supply reservoirs for mercury however, mercury in the environment is very insoluble and generally not found in water analysis, although it can bioaccumulate to appreciable levels in aquatic organisms. (NYS DOH Health Advisories and DEC/FWMR, Habitat, January 2014).

#### Water Quality Information

The Cannonsville Reservoir is part of the New York City water supply reservoir system and is regularly monitored by the New York City Department of Environmental Protection. Results of the most recent (2015) sampling indicate the lake is best characterized as mesotrophic, or moderately productive. The most recent 5-year assessment of phosphorus levels found concentrations to be below the 20 ug/l criteria indicating a phosphorus-restricted reservoir. Results for turbidity and coliform monitoring are also typically below levels of concern, although elevated levels of both indicators do occur during large rain events. (2015 Watershed Water Quality Annual Report, NYCDEP, July 2015)

#### Source Assessment

With the completion of wastewater treatment plant upgrades set forth in the phosphorus TMDL, WWTPs now contribute a much smaller portion of the annual phosphorus load than they did historically. Onsite septic systems, urban runoff from watershed villages and hamlets and streambank erosion are additional, but much less significant, contributing sources. NYCDEP, in partnership with Watershed communities, has developed and entered into a Watershed Agreement which sets forth programs and funding to address water quality issues. These include implementation of agricultural BMPs, upgrading of municipal WWTPs, remediation of failing and/or inadequate onsite septic systems (or connecting these systems to municipal WWTPs), and installation of urban stormwater controls. Additionally, DEP has developed watershed loading models to better understand various pollutant source contributions to the reservoir and evaluate reduction efforts. (NYCDEP, July 2015)

Mercury contamination in this and a number of other upstate waterbodies is attributed to atmospheric deposition.

#### Management Actions

New York City's Catskill/Delaware Water Supply System is one of the largest unfiltered surface water supplies in the world, providing drinking water to nearly half the population of New York State. The New York City DEP funds and implements a comprehensive Long-Term Watershed Protection Program which maintains and protects this high quality source of drinking water. A key component of this effort has been the implementation of the 2000 Phase II TMDL for phosphorus. When the TMDL was initially established, the Cannonsville Reservoir was designated as a phosphorus-restricted waterbody with total phosphorus concentrations typically above 20 ug/l. Presently concentrations are around 15 ug/l and the Reservoir designation has been changed to non-restricted – though ongoing efforts to protect the watershed are appropriate.

In the New York City water supply watersheds, key stakeholders include the nine million urban consumers of the water supply, nearly a quarter-million residents of the older and more suburbanized Croton Watershed (East of Hudson), tens of thousands of residents of the rural Catskill/Delaware Watershed (West of Hudson). This complex web of multiple stakeholders means that watershed protection requires a delicate balance between urban/rural and upstate/downstate interests.

Delaware County, which contains all of the Cannonsville drainage, has taken a proactive approach and developed the Delaware County Action Plan (DCAP). The Delaware County Action Plan (DCAP), a locally led, multi-agency watershed collaboration was developed in 1998 and adopted by the Delaware County Board of Supervisors in September of 1999 to address the New York City Watershed Rules and Regulations, which mandated that a Comprehensive Plan be developed in phosphorus-restricted basins. DCAP now operates as a county wide watershed management program. The adoption of DCAP ultimately led to the formation of the Delaware County Department of Watershed Affairs. (Delaware County, Watershed Affairs, 2015)

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

#### Section 303(d) Listing

Cannonsville Reservoir is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. Although it is assessed as an impaired water due to mercury, it is categorized as an IR Category 4a water that is not listed due to the completion of a TMDL to address the impairment in 2007. The Reservoir had also been included as an IR Category 4a water with respect to phosphorus, but water quality conditions have improved and the waterbody is no longer impaired by phosphorus. (DEC/DOW, BWAM/WQAS, January 2016)

#### Segment Description

Segment includes entire reservoir between Cannonsville Dam and Cable Hollow Brook (-32).

# West Branch Delaware, Upp, Main Stem (1404-0021) No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71 (portion 4) **Water Class:** B(T)  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102) **Drainage Basin:** Delaware River  
**Water Type/Size:** River/Stream 21.9 Miles **Reg/County:** 4/Delaware (13)  
**Description:** from Cannonsville Reservoir near Beerston to Hawleys

## 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	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/NYCDEP  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

This portion of the Upper West Branch Delaware is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

### Use Assessment

This waterbody is a Class B(T) waterbody, suitable for public bathing, general recreation use, and support of aquatic life. 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 also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. Additional bacteriological sampling is needed to more fully evaluate public bathing and other recreational uses. (DEC/DOW, BWAM/SBU, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of the West Branch Delaware in Beerston and Walton 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. Aquatic life community is fully supported. Previous data from 2002 showed recreational uses and aesthetics in this reach to be stressed by excessive nutrient loads from agricultural activities and other nonpoint sources in the watershed. But the more recent sampling results showed overall water quality to be good and supporting of assessed uses. (DEC/DOW, BWAM/SBU, September 2016)

#### Source Assessment

There are no apparent sources of pollutants having a water quality impact on this waterbody. Biological results suggest natural conditions with minimal human disturbance.

#### Management Actions

NYCDEP, in partnership with Watershed communities, has developed and entered into a Watershed Agreement which sets forth programs and funding to address water quality issues. Programs to address agricultural and WWTP nutrient impacts to water quality include agricultural BMPs, upgrading of municipal WWTPs to include phosphorus removal, floodplain restoration, stream channel restoration, riparian buffer planting, and stormwater infrastructure improvements. These programs are operated in concert with watershed municipalities and non-profit partners, including the Watershed Agricultural Council (WAC) and the Catskill Watershed Corporation (CWC). Over 95% of large farms in the watershed are enrolled in these voluntary program. More than 2,500 actions have been implemented using BMPs at a cost of \$18.6 million. Additionally, in partnership with the CWC, the City has fixed over 2,000 failing septic systems in the watershed and helps cover the cost of pump-outs, maintenance, and inspections of single- and two-family septic systems. (NYSDEC, BWRM/NYC Watershed Section, May 2016)

#### Section 303(d) Listing

This portion of the West Branch Delaware 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, September 2016)

#### Segment Description

This segment includes the portion of the West Branch from Cable Hollow Brook (-32) near Beerston to Chambers Hollow Brook (-49) near Hawleys. The waters of this portion of the river are Class B(T).

# Minor Tribs to Cannonsville Reservoir (1404-0048) No Known Impacts

## Waterbody Location Information

Revised: 1/26/16

**Water Index No:** D-71-14 thru 32  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 63.9 Miles  
**Description:** selected/smaller tribs fr Cannonsville Dam to Beerston

**Water Class:** A(T)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Fully Supported	Suspected
Aquatic Life	Fully Supported	Suspected
Fish Consumption	Threatened	Suspected

### Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

### Type of Pollutant(s)

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

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

Known:	- - -
Suspected:	Atmospheric Deposition
Unconfirmed:	- - -

## Management Information

**Management Status:** Verification of Problem Severity Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Water Attaining Some Standards (Category 2)

## Further Details

### Overview

Minor Tribs to the Cannonsville Reservoir are assessed as having no known impacts; all evaluated uses are considered to be fully supported. This assessment is based on sampling conducted at selected tribs and is thought to be representative of the larger waterbody segment but water quality conditions have not been verified in all tribs within the segment and additional monitoring of other tribs is recommended.

### Use Assessment

Minor Tribs to the Cannonsville Reservoir is a Class A waterbody, suitable for water supply, public bathing and general recreation uses, and support of aquatic life.

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. Additional (bacteriological) sampling is needed to more fully evaluate public bathing and other recreational uses. (DEC/DOW, BWAM/SBU, September 2016)

Fish consumption advisories for the Cannonsville Reservoir (and all tribs to the first barrier) also applies to these tributary waters. A NYS DOH health advisory that recommends eating no more than one meal per month of walleye and smallmouth bass (over 15inches) and no more than 4 meals per month of all other fish because of elevated mercury levels. The likely source of the mercury is atmospheric deposition. NYC DEP routinely monitors the water supply reservoirs for mercury however, mercury in the environment is very insoluble and generally not found in water analysis, although it can bioaccumulate to appreciable levels in aquatic organisms. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

#### Water Quality Information

Biological (macroinvertebrate) assessments of Trout Creek (-20), Dryden Brook (-25) and Chase Brook (-28) were conducted as part of the RIBS effort in 2014. Sampling results indicated non-impacted conditions and very good water quality at all sites. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, September 2016)

#### Source Assessment

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

#### Management Actions

Although sampling at the three tribs is thought to be representative of the larger multiple trib segment, additional sampling to verify conditions in other tribs of this waterbody segment is recommended.

Delaware County, which contains all of the Cannonsville drainage, has taken a proactive approach and developed the Delaware County Action Plan (DCAP), a collaborative partnership with NYCDEP, NYSDEC, USEPA, the Watershed Agricultural Council and the Catskill Watershed Corporation. The plan lays out a long-term, comprehensive, scientifically-based, management strategy to address all significant nonpoint source contaminant sources in the basin and meet water quality objectives (phosphorus restriction and TMDLs). An important output of DCAP has been recent evaluation and refinement of the SWAT watershed model which will assist the County in decision-making and targeting of resources for future management efforts. This work, in addition to watershed modeling being done by DEP, will allow a better understanding of various nutrient sources and their relative contributions to the reservoir. (DEC/DOW, BWM/Lake Services and Delaware County WQCC, December 2002)

#### Section 303(d) Listing

Minor Tribs to the Cannonsville Reservoir is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts/impairments that would justify the listing of this waterbody. (DEC/DOW, BWAM/SBU, September 2016)

#### Segment Description

This segment includes the total length of selected/smaller tribs to the Cannonsville Reservoir between the Cannonsville Dam and Beerston. Tribs within this segment, including unnamed tribs -14, -15, -16, -16a, -17, Johnny Brook (-18), unnamed tribs -19, -21, -22, -23, Chamberlin Brook (-24), tribs -26, Fish Brook (-27), Chase Brook (-28), Spencer Brook (-28-1), trib -29, Johnnie/Wakeman Creek (-30), Beers Creek (-31) and Cable Hollow Brook (-32), are Class A, A(T), A(TS). Upper Trout Brook (-20) and Upper Dryden Creek (-25) are listed as separate segments. (February 2001)

# Trout Creek, Upper, and tribs (1404-0050)

**Impaired**

## Waterbody Location Information

Revised: 2/01/2016

<b>Water Index No:</b>	D-71-20	<b>Water Class:</b>	C(TS)
<b>Hydro Unit Code:</b>	Middle West Branch Delaware (0204010102)	<b>Drainage Basin:</b>	Delaware River
<b>Water Type/Size:</b>	River/Stream 30 Miles	<b>Reg/County:</b>	4/Delaware (13)
<b>Description:</b>	stream and tribs in/above Trout Creek		

## 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	Impaired	Known

### Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

### Type of Pollutant(s)

Known:	PRIORITY ORGANICS (PCBS)
Suspected:	---
Unconfirmed:	---

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

Known:	---
Suspected:	TOXIC/CONTAMINATED SEDIMENT
Unconfirmed:	---

## Management Information

<b>Management Status:</b>	Strategy Implementation Scheduled or Underway
<b>Lead Agency/Office:</b>	EPA/Reg2
<b>IR/305(b) Code:</b>	Impaired Water Requiring a TMDL (IR Category 5)

## Further Details

### Overview

Trout Creek is assessed as an impaired waterbody due to fish consumption use that is known to be impaired by PCBs from two nearby landfills.

### Use Assessment

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

Aquatic life is considered to be fully supported based on citizen conducted biological sampling through the NYSDEC Water Assessment by Volunteer Monitors (WAVE) Program in 2013, and RIBS biological monitoring conducted in 2014. Both efforts showed non-impacted conditions. This sampling can also be used to infer that there are no significant impacts to recreational uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SBU, July 2016)

Fish consumption in the upper portion of Trout Creek is impaired due to a NYS DOH health advisory for a tributary

(Herrick Hollow Brook) to this upper reach of the stream. The advisory recommends eating no more than one meal per month of brook trout because of elevated PCB levels. (2000–01 NYS DOH Health Advisories).

#### Water Quality Information

A biological (macroinvertebrate) assessment of Trout Creek, east of CR 27, 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. (DEC/DOW, BWAM/SBU, December 2014)

#### Source Assessment

There are two superfund sites along the stream. The Richardson Hill Road Landfill (Inactive Haz Waste Site No 4–13–008) and Sidney Center Landfill (4–13–004) have been identified as the source of PCBs.

#### Management Actions

USEPA remediation and clean-up plans (including pump and treat) are being implemented to address the contamination. (DEC/DER, Registry of Inactive Haz. Waste Sites, Vol. 4, April 2000)

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement.

#### Section 303(d) Listing

Trout Creek is included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. The waterbody is included on Part 2b of the List as a fish consumption impaired waterbody requiring a TMDL to address PCBs. This waterbody was first listed on the 2002 List. (DEC/DOW, BWAM, January 2016)

#### Segment Description

This segment includes the portion of the stream and all tribs above/including unnamed trib (–6) near Trout Creek. The waters of this portion of the stream are Class C(TS). Tribs to this reach, including Carrol Hollow Brook (–8), West Branch/Tecoma Creek (–11), Herrick Hollow Brook (–16), are primarily Class C,C(T),C(TS).

# Loomis Brook, Upper, and tribs (1404-0051)

# No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-20-3  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 15.8 Miles  
**Description:** entire stream and tribs

**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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	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/NYCDEP  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

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

### Use Assessment

This waterbody segment is a Class C(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 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Loomis Creek in Loomis (at Loomis Brook Road) was conducted as part of the RIBS biological screening/monitoring 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. Sampling at the site in 2010 found slightly impacted conditions. Overall, aquatic life community at the site is considered to be fully supported. (DEC/DOW, BWAM/SBU, January 2015)

#### Source Assessment

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

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement.

#### Section 303(d) Listing

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

#### Segment Description

This segment includes the portion of the stream and all tribs above/including Windfall Brook (-1) in Cleaver. The waters of this portion of the stream are Class C(TS). Tribs to this reach, including Windfall Brook (-1) and Chipmunk Hollow Brook (-3), are Class C(T).

# Dryden Brook, Upper, and tribs (1404-0053)

# No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-25  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 10 Miles  
**Description:** stream and tribs above Finch Hollow

**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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:** NYC/DEP  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

Dryden Brook is assessed as having no known impacts; all evaluated uses are considered to be fully supported. This assessment is based on sampling conducted at a site just below the actual segment but is considered to be representative of the upstream waterbody segment.

### Use Assessment

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

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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Dryden Brook at its mouth at the Cannonsville Reservoir was conducted as part of the RIBS biological monitoring effort in 2010. 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 impacts. Aquatic life is considered to be fully supported. This sampling was conducted just downstream of the actual waterbody segment. (DEC/DOW, BWAM/SBU, September 2016)

#### Source Assessment

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

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

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

#### Segment Description

This segment includes the portion of the stream and all tribs above unnamed trib -3 near Finch Hollow. The waters of this portion of the stream are Class C(TS). Tribs to this reach, including Finch Hollow Brook (-4), are Class C(T).

# Russ Gray Pond (1404-0055)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-31-P410  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** Lake/Reservoir 6.4 Acres  
**Description:** entire lake  
**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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	-
<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 information to evaluate uses and determine a water quality assessment for this waterbody.

### Use Assessment

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

### Water Quality Information

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

### Source Assessment

There are no apparent sources of pollutants to the waterbody.

### Management Actions

No specific management actions have been identified for the waterbody. However, this waterbody segment is located

within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

Russ Gray Pond 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, September 2016)

#### Segment Description

This segment includes the entire portion of the lake.

# Minor Tribs to West Branch Delaware (1404-0056) No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-33 thru 49  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 52.7 Miles  
**Description:** selected/smaller tribs from Beerston to Hawleys

**Water Class:** C  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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:** DEC/DOW  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

These Minor Tribs to the West Branch Delaware are assessed as having no known impacts all evaluated uses are considered to be fully supported. This assessment is based on sampling conducted on a single trib. That segment is thought to be representative of the larger waterbody segment. But additional sampling of the segment at alternative locations within the segment is recommended.

### Use Assessment

These tribs are Class C, suitable for 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. (DEC, DOW, BWAM/SBU, September 2016)

Aquatic life is considered to be fully supported based on citizen conducted biological sampling through the NYSDEC Water Assessment by Volunteer Monitors (WAVE) Program 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of an unnamed trib in Pinesville was conducted as part of the RIBS 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. Aquatic life community is fully supported (DEC/DOW, BWAM/SBU, September 2016)

A biological (macroinvertebrate) assessment of an unnamed trib in Pinesville was also conducted in 2015 as part of NYSDEC's citizen science stream monitoring program, WAVE. The macroinvertebrate community was found to be non-impacted and the waterbody was evaluated as fully supporting of aquatic life.

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

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

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

Minor Tribs to West Branch Delaware is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are not impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, September 2016)

#### Segment Description

This segment includes the total length of selected/smaller tribs to the West Branch Delaware between Beerston and Hawleys. Tribs within this segment, including Pines Brook (-35), Marvin Hollow Brook (-40), Weed Brook (-43), Oxbow Brook (-44), Mallory Brook (-47), Chambers Hollow Brook (-49), are primarily Class C,C(T),C(TS). West Brook (-38), East Brook (-39) and Class A portions of other tribs are listed as separate segments.

# West Brook and minor tribs (1404-0058)

# No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-38  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 6.6 Miles  
**Description:** from mouth to trib -4

**Water Class:** B(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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	Suspected
Aquatic Life	Fully Supported	Known
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:** Reassessment Needed  
**Lead Agency/Office:** DEC/DOW  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

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

### Use Assessment

West Brook 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) fishery.

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. Additional (bacteriological) sampling is needed to more fully evaluate public bathing and other recreational uses. (DEC/DOW, BWAM/SBU, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of West Brook was conducted in Hamden 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 natural community with minimal human impacts. Aquatic life community is fully supported (DEC/DOW, BWAM/SBU, September 2016)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

West Brook, Main Stem 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, September 2016)

#### Segment Description

Entire portion of West Brook from the mouth to unnamed trib -4. This reach is designated Class B(TS).

# Third Brook, Upper, and tribs (1404-0059)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-38- 1  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 6.2 Miles  
**Description:** stream and tribs above/including reservoir (P414)

**Water Class:** A  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
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

Upper Third Brook is considered to be unassessed. The most recent assessments of the waterbody indicated no known impacts, however that assessment is based on older data and sampling to verify conditions is recommended.

### Use Assessment

Upper Third Brook is Class A, suitable for water supply, public bathing and general recreation use, and support of aquatic life.

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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Third Brook in Walton 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

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

Upper Third Brook tribs 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, September 2016)

#### Segment Description

This segment includes the portion of the stream and all tribs above/including the reservoir (P414) near Walton. The waters of this portion of the stream are Class A,A(T).

# Carrs Brook, Upper and tribs (1404-0060)

# No Known Impacts

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-38- 2  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 11.4 Miles  
**Description:** stream and tribs above/including reservoir (P415)

**Water Class:** A(T)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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	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:** Other/NYCDEP  
**IR/305(b) Code:** Water Attaining All Uses (IR Category 1)

## Further Details

### Overview

Upper Carrs Brook is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

### Use Assessment

This waterbody is a Class A(T) waterbody, suitable for water supply, public bathing and general recreation use, and support of aquatic life. This 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Carrs Brook in Walton was conducted as part of the RIBS biological screening effort in 2009. 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, September 2016)

Most recently, a biological (macroinvertebrate) assessment of Upper Carrs Brook in Walton, NY was conducted in 2015 as part of NYSDEC's citizen science stream monitoring program, WAVE. The macroinvertebrate community was found to be non-impacted and the waterbody was evaluated as fully supporting of aquatic life. (DEC/DOW, BWAM/WAVE, September 2016)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

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

#### Segment Description

This segment includes the portion of the stream and all tribs above/including the reservoir (P415) near Walton. The waters of this portion of the stream are Class A(T).

# East Brook, Upper, and tribs (1404-0063)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-39  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 40.2 Miles  
**Description:** stream and tribs above Private Road Bridge

**Water Class:** A(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
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

East Brook, Upper, and tribs is considered to be unassessed. The most recent assessments of the waterbody indicated no known impacts, however that assessment is based on older data and sampling to verify conditions is recommended.

### Use Assessment

East Brook, Upper, and tribs is Class A(TS), suitable for water supply, public bathing and general recreation use, and support of aquatic life. This 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of East Brook in Walton 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. Though this sampling point is just below the segment, it is considered representative of water quality in the upper reach. (DEC/DOW, BWAR/SBU, June 2001)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

East Brook, Upper, and tribs 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, September 2016)

#### Segment Description

This segment includes the portion of the stream and all tribs above Private Road Bridge between tribs -1 and -2 near Walton. The waters of this portion of the stream are Class A(TS). Tribs to this reach, including Dry/Dunk Hill Brook (-6), MacGowan Brook (-8), Feake Brook (-9), Fish Hollow Brook (-10), Crystal Brook (-13) are Class A(T).

# Minor Tribs to West Branch Delaware (1404-0064)

# Minor Impacts

## Waterbody Location Information

Revised: 2/01/2016

<b>Water Index No:</b>	D-71-50 thru 60	<b>Water Class:</b>	C(T)
<b>Hydro Unit Code:</b>	Middle West Branch Delaware (0204010102)	<b>Drainage Basin:</b>	Delaware River
<b>Water Type/Size:</b>	River/Stream 13.7 Miles	<b>Reg/County:</b>	4/Delaware (13)
<b>Description:</b>	selected/smaller tribs from Hawley to near Delhi		

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

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

### Conditions Evaluated

Habitat/Hydrology	Good
Aesthetics	Unknown

### Type of Pollutant(s)

Known:	---
Suspected:	Nutrients (phosphorus), Pathogens
Unconfirmed:	---

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

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

## Management Information

**Management Status:** Verification of Problem Severity Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Water Attaining Some Standards (IR Category 2)

## Further Details

### Overview

Minor Tribs to West Branch Delaware is currently assessed as needing verification of minor impacts due to aquatic life that is known to be slightly impacted. However this evaluation is based on a single sample at one trib of this multiple trib segment and additional sampling is needed to more fully assess the waterbody.

### Use Assessment

Minor Tribs to West Branch Delaware 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 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. (DEC, DOW, BWAM, February 2016)

### Water Quality Information

A biological (macroinvertebrate) assessment of Launt Hollow Brook in Hamden (at Route 10) was conducted as part of the RIBS biological screening effort in 2009. Sampling results reflect fair water quality, with the macroinvertebrate community altered from what is expected under natural conditions and indications of excessive nutrient and other nonpoint source runoff. 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 supported. (DEC/DOW, BWAM/SBU, September 2016)

### Source Assessment

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

### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

### Section 303(d) Listing

Minor Tribs to West Branch of Delaware is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There appear to be no impairments that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, September 2015)

### Segment Description

This segment includes the total length of selected/smaller tribs to the West Branch Delaware between Hawleys and the Little Delaware River (-61) near Delhi. Tribs within this segment, including Launt Hollow Brook (-50), Pettis Brook (-52), Holmes Hollow Brook (-55), are primarily Class C(T),C(TS). Bagley Brook (-54), Plantner Brook (-57), Peak Brook (-59) and Class A portions of other tribs are listed as separate segments.

# Bagley Brook and tribs (1404-0065)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-54  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 24.7 Miles  
**Description:** entire stream and selected/smaller tribs

**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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:** Waters with Insufficient Data (IR Category 3)

## Further Details

### Overview

Bagley Brook is considered to be unassessed. The most recent assessments of the waterbody indicated no known impacts, however that assessment is based on older data and sampling to verify conditions is recommended.

A biological (macroinvertebrate) assessment of Bagley Brook in DeLancey 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)

### Use Assessment

Bagley Brook is a Class C(TS) waterbody, suitable for general recreation use and support of aquatic life, but not as a waterbody 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Bagley Brook and minor tribs was conducted in 1999. Field sampling results indicated non-impacted water quality conditions.

#### Source Assessment

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

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

The New York City Watershed Memorandum of Agreement specifically identifies communities that "may be experiencing water quality problems due to failing septic systems in close proximity to streams and other watercourses or where such failures are likely to occur in the future." The MOA initially provided that NYC provide funding to address such deficiencies. Onsite septic systems in the Hamlet of DeLancey have been identified. However NYC DEP funding is currently not adequate to address this situation. (DEC/DOW, Region 4, October 2002)

#### Section 303(d) Listing

Bagley Brook 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, September 2016)

#### Segment Description

This segment includes the entire stream and all tribs except for a portion of trib -1 designated Class AA(T). The waters of this portion of the stream are Class C(TS). Tribs to this reach, including Stoddard Hollow Brook (-4) and Arbuckle Hollow Brook (-5) are Class C(T). (December 2000)

# Platner Brook and tribs (1404-0067)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-57  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 25.3 Miles  
**Description:** entire stream and selected/smaller tribs

**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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:** Waters with Insufficient Data (IR Category 3)

## Further Details

### Overview

Platner Brook is considered to be unassessed. The most recent assessments of the waterbody indicated no known impacts, however that assessment is based on older data and sampling to verify conditions is recommended.

### Use Assessment

Platner Brook is Class C(TS), general recreation use and support of aquatic life. This waterbody is also designated as a cold water (trout spawning) 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, September 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Platner Brook in Fraser 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

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

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

#### Segment Description

This segment includes the entire stream and selected/smaller tribs, including East Platner Brook (-3) and West Platner Brook (-4). The waters of this segment are Class C(T),C(TS).

# Peak Brook and tribs (1404-0069)

Unassessed

## Waterbody Location Information

Revised: 2/01/2016

**Water Index No:** D-71-59  
**Hydro Unit Code:** Middle West Branch Delaware (0204010102)  
**Water Type/Size:** River/Stream 13.5 Miles  
**Description:** entire stream and tribs

**Water Class:** C(TS)  
**Drainage Basin:** Delaware River  
**Reg/County:** 4/Delaware (13)

## 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
<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:** Reassessment Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Waters with Insufficient Data (IR Category 3)

## Further Details

### Overview

Peak Brook and tribs is considered to be unassessed. The most recent assessments of the waterbody indicated no known impacts, however that assessment is based on older data and sampling to verify conditions is recommended.

### Use Assessment

Peak Brook and tribs is Class C(TS), suitable for water supply, public bathing and general recreation use, and support of aquatic life. This 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 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, February 2016)

#### Water Quality Information

A biological (macroinvertebrate) assessment of Peaks Brook near Fraser 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

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

This waterbody segment is located within the New York City Water Supply system watershed. As a result many water quality concerns are being actively monitored and managed by NYC DEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYC DEP, October 2002)

#### Section 303(d) Listing

Peak Brook and tribs 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, September 2016)

#### Segment Description

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