

Waterbody Inventory for The West Branch Delaware River Watershed

Water Index Number	Waterbody Segment	Category
West Branch Delaware River, Main Stem		
D-71 (portion 1)	West Branch Delaware, Lower, Main Stem (1404-0020)	Threatened
D-71 (portion 2)	West Branch Delaware, Lower, Main Stem (1404-0002)	MinorImpacts
D-71 (portion 3)/P402a	Cannonsville Reservoir (1404-0001)	Impaired Seg
D-71 (portion 4)	West Branch Delaware, Upper, Main Stem (1404-0021)	MinorImpacts
D-71 (portion 5)	West Branch Delaware, Upper, and tribs (1404-0003)	MinorImpacts
Tribes to West Branch Delaware River, Hancock to Stilesville		
D-71- 1	Sands Creek and minor tribs (1404-0022)	NoKnownImpct
D-71- 1- 1	Upper Bear Brook (1404-0023)	UnAssessed
D-71- 1-10-P376	Russell Lake (1404-0024)	UnAssessed
D-71- 1-P377	Hathaway Pond (1404-0025)	UnAssessed
D-71- 2 thru 13 (selected)	Minor Tribes to West Branch Delaware (1404-0026)	UnAssessed
D-71- 4	Roods Creek and tribs (1404-0027)	NoKnownImpct
D-71- 4-P378	Silver Lake (1404-0028)	UnAssessed
D-71- 4-P378-1-P379	Columbia Lake (1404-0029)	UnAssessed
D-71- 4-P378-2-P380	Crystal Lake (1404-0030)	UnAssessed
D-71- 6	Sand Pond Creek and tribs (1404-0031)	UnAssessed
D-71- 6-4-P383	Oquaga Lake (1404-0032)	UnAssessed
D-71- 6-5-P381,P382	Blueberry, Laurel Lakes (1404-0033)	UnAssessed
Oquaga Creek Watershed		
D-71-10	Oquaga Creek, Lower, and minor trib (1404-0034)	NoKnownImpct
D-71-10	Oquaga Creek, Upper, and tribs (1404-0035)	NoKnownImpct
D-71-10- 6	Fly Creek and tribs (1404-0036)	NoKnownImpct
D-71-10- 6-3-P387	Summit Lake/Page Pond (1404-0037)	UnAssessed
D-71-10- 6-P388,P389	Fly Pond, Deer Lake (1404-0038)	UnAssessed
D-71-10- 6-P390	Sky Lake (1404-0039)	UnAssessed
D-71-10- 7	Marsh Creek and tribs (1404-0040)	NoKnownImpct
D-71-10-13-P391	Page Pond (1404-0041)	UnAssessed
Tribes to West Branch Delaware River, Hancock to Stilesville (con't)		
D-71-11- 1	Big Hollow Brook, Upper, and tribs (1404-0043)	UnAssessed
D-71-11-P398	Deposit Reservoir (1404-0044)	UnAssessed
D-71-12	Cold Spring Creek and minor tribs (1404-0045)	NoKnownImpct
D-71-12- 2	East Branch Cold Spring and tribs (1404-0046)	NoKnownImpct
D-71-12- 2-P401	Beales Pond (1404-0047)	UnAssessed

...The West Branch Delaware River Watershed

Water Index Number	Waterbody Segment	Category
Tribs to West Branch Delaware River, above Stilesville		
D-71-14 thru 32	Minor Tribs to Cannonsville Reservoir (1404-0048)	UnAssessed
D-71-20	Trout Creek, Lower, and minor tribs (1404-0049)	Threatened
D-71-20	Trout Creek, Upper, and tribs (1404-0050)	Impaired Seg
D-71-20- 3	Loomis Creek, Upper, and tribs (1404-0051)	NoKnownImpct
D-71-25	Dryden Brook, Lower, and tribs (1404-0052)	NoKnownImpct
D-71-25	Dryden Brook, Upper, and tribs (1404-0053)	NoKnownImpct
D-71-31-P410	Russ Gray Pond (1404-0055)	UnAssessed
D-71-33 thru 49	Minor Tribs to West Branch Delaware (1404-0056)	UnAssessed
D-71-38	West Brook, Main Stem (1404-0058)	NoKnownImpct
D-71-38- 1	Third Brook, Upper, and tribs (1404-0059)	NoKnownImpct
D-71-38- 2	Carrs Brook, Upper and tribs (1404-0060)	UnAssessed
D-71-38-	Minor Tribs to West Brook (1404-0061)	NoKnownImpct
D-71-39	East Brook, Lower, and tribs (1404-0062)	NoKnownImpct
D-71-39	East Brook, Upper, and tribs (1404-0063)	NoKnownImpct
D-71-50 thru 60	Minor Tribs to West Branch Delaware (1404-0064)	UnAssessed
D-71-54	Bagley Brook and minor tribs (1404-0065)	NoKnownImpct
D-71-54- 1	Bagley Brook Tributary (1404-0066)	NoKnownImpct
D-71-57	Platner Brook and tribs (1404-0067)	NoKnownImpct
D-71-59	Peak Brook and tribs (1404-0069)	NoKnownImpct
D-71-61	Little Delaware, Lower, and minor tribs (1404-0070)	NoKnownImpct
D-71-61	Little Delaware, Upper, and tribs (1404-0071)	NoKnownImpct
D-71-61- 7-P420	Lake Delaware (1404-0072)	UnAssessed
D-71-61-10-P421	Silver Lake (1404-0073)	UnAssessed
D-71-61-10-P422	Tunis Lake (1404-0074)	UnAssessed
D-71-61-14	Coulter Brook, Upper, and tribs (1404-0006)	Threat(Poss)
D-71-62 thru 96	Minor Tribs to West Branch Delaware (1404-0076)	UnAssessed
D-71-63	Steele Brook, Upper, and tribs (1404-0077)	NoKnownImpct
D-71-63-P431	Spring Lake (1404-0078)	UnAssessed
D-71-65	Falls Creek and tribs (1404-0079)	NoKnownImpct
D-71-66	Elk Creek and tribs (1404-0080)	NoKnownImpct
D-71-78	Wright Brook and minor tribs (1404-0081)	NoKnownImpct
D-71-78-a	Wright Brook Tributary (1404-0082)	NoKnownImpct
D-71-83	Rose Brook and tribs (1404-0083)	NoKnownImpct
D-71-85	Betty Brook and tribs (1404-0084)	NoKnownImpct
D-71-92	Lake Brook and tribs (1404-0085)	NoKnownImpct
D-71-92-P449	Odell Lake (1404-0086)	UnAssessed
D-71-93	Town Brook, Lower, and tribs (1404-0087)	NoKnownImpct
D-71-93	Town Brook, Upper, and tribs (1404-0088)	NoKnownImpct
D-71-P453-2-P461	Utsayantha Lake (1404-0089)	UnAssessed
D-71-P453-2-P461-1	Tribs to Utsayantha Lake (1404-0091)	UnAssessed
D-71-P453-2-P461-1-P462	Stamford Reservoir (1404-0090)	UnAssessed

West Branch Delaware, Lower, Main Stem (1404-0020)

Threatened

Waterbody Location Information

Revised: 11/01/02

Water Index No: D-71 (portion 1) **Drain Basin:** Delaware River
Hydro Unit Code: 02040101/ **Str Class:** A(T) Upper Delaware River
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 7.9 Miles (Med. Flow) **Quad Map:** HANCOCK, PA (N-19-2)
Seg Description: from mouth to Initial Monument near Hale Eddy

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Known
Habitat/Hydrology	Threatened	Known

Type of Pollutant(s)

Known: WATER LEVEL/FLOW, THERMAL CHANGES
Suspected: Acid/Base (pH), Silt/Sediment
Possible: - - -

Source(s) of Pollutant(s)

Known: HYDRO MODIFICATION
Suspected: Atmosph. Deposition
Possible: - - -

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: DEC/FWMR **Resolution Potential:** High
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Aquatic life support in this portion of the West Branch Delaware River is considered threatened due to potential thermal impacts on the trout fishery and the need to alleviate high water temperatures with reservoir releases. Beyond this threat, water quality in the river has been determined to fully support uses.

A biological (macroinvertebrate) assessment of the West Branch in Hancock was conducted in 1999 and 2000. Both sampling results indicated non-impacted water quality conditions. Impact Determination showed highest similarities to natural communities. (DEC/DOW, BWAR/SBU, January 2000)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the West Branch in Hancock (at Route 191) was conducted in 2000. Chemical sampling of the river identified some occurrences of low pH. Overall water quality at this site is considered to be fully supporting of uses. (DEC/DOW, BWAR/RIBS, January 2001)

The management of river flows in the Delaware system to protect the highly regarded fishery resource is particularly challenging. While releases from the upstream New York City water supply Cannonsville Reservoir are generally adequate to alleviate high summer temperatures, other conflicting water uses (NYC water supply, drought management)

complicate the issue. Occasionally insufficient reservoir releases result in reduced flow that limits habitat, causes thermal stress, and negatively affects the trout fishery. In other cases, releases of water high in suspended solids may affect water quality in the West branch. These issues is discussed in considerable detail in the Draft Fishery Management Plan for the Upper Delaware Tailwaters. (DEC/FWMR, Region 3, June 2000)

Segment includes the portion of West Branch Delaware River from the mouth to Initial Monument near Hale Eddy. This reach is Class A.

West Branch Delaware, Lower, Main Stem (1404-0002) MinorImpacts

Waterbody Location Information

Revised: 07/12/02

Water Index No: D-71 (portion 2) **Drain Basin:** Delaware River
Hydro Unit Code: 02040101/100 **Str Class:** B(T) Upper Delaware River
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 13.1 Miles (Med. Flow) **Quad Map:** DEPOSIT (M-19-4)
Seg Description: from Initial Monument to Cannonsville Dam

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Habitat/Hydrology	Stressed	Known

Type of Pollutant(s)

Known: WATER LEVEL/FLOW, THERMAL CHANGES
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: HYDRO MODIFICATION
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: DEC/FWMR **Resolution Potential:** High
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Aquatic life support and habitat/hydrology in this portion of the West Branch Delaware River are considered stressed due to thermal and impoundment effects on the benthic macroinvertebrate community and potential impacts on the trout fishery. The maintenance of lower water temperatures needed to support the fishery require reservoir releases. Beyond the hydrologic/impoundment impacts on the benthic macroinvertebrates, water quality in the river is considered good and is adequate to support the fishery.

A biological (macroinvertebrate) assessment of West Branch Delaware in Stilesville was conducted in 1999. Sampling results indicated moderately impacted water quality conditions, though at the low end of that category, near severe impact. The fauna was dominated by tolerant taxa such as black flies, midges, worms, and sowbugs. No mayflies, stoneflies, or caddisflies were present. Impact Source Determination denoted impoundment effect as the primary factor affecting the fauna. (DEC/DOW, BWAR/SBU, January 2000)

The management of river flows in the Delaware system to protect the highly regarded fishery resource is particularly challenging. While releases from the upstream New York City water supply Cannonsville Reservoir are generally adequate to alleviate high summer temperatures, other conflicting water uses (NYC water supply, drought management)

complicate the issue. Occasionally insufficient reservoir releases result in reduced flow that limits habitat, causes thermal stress, and negatively affects the trout fishery. This issue is discussed in considerable detail in the Draft Fishery Management Plan for the Upper Delaware Tailwaters. (DEC/FWMR, Region 3, June 2000)

Segment includes the portion of West Branch Delaware River from Initial Monument near Hale Eddy to the Cannonsville Dam. This reach is Class B.

Cannonsville Reservoir (1404-0001)

Impaired Seg

Waterbody Location Information

Revised: 11/07/02

Water Index No: D-71 (portion 3)/P402a **Drain Basin:** Delaware River
Hydro Unit Code: 02040101/050 **Str Class:** AA(T) Upper Delaware River
Waterbody Type: Lake(R) **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 4799.9 Acres (Eutrophic) **Quad Map:** CANNONSVILLE RESERV (M-19-3)
Seg Description: entire reservoir

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
WATER SUPPLY	Impaired	Known
FISH CONSUMPTION	Impaired	Known

Type of Pollutant(s)

Known: METALS (mercury), NUTRIENTS (phosphorus)
Suspected: - - -
Possible: Silt/Sediment

Source(s) of Pollutant(s)

Known: AGRICULTURE, MUNICIPAL (various WWTPs)
Suspected: ATMOSPHERIC DEPOSITION
Possible: Failing On-Site Syst, Streambank Erosion, Urban Runoff

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: ext/NYCW **Resolution Potential:** High
TMDL/303d Status: 2b,4a (Multiple Segment/Categorical Water, Fish Consumption)

Further Details

Water supply use and fish consumption in the Cannonsville Reservoir are affected by excessive nutrient loadings and a fish consumption advisory. Point and nonpoint sources from throughout the watershed contribute nutrients to the reservoir. The fish consumption advisory is attributed to atmospheric deposition of mercury.

The Cannonsville Reservoir is part of the New York City water supply reservoir system. The watershed is about 70% forested, but has considerable agricultural land use related primarily to dairy production. A number of small to medium population centers are also located throughout the watershed. In the past, NYC DEP has identified the reservoir as a "phosphorus restricted basin" due to 5-year, rolling average total phosphorus concentrations that exceed 20 µg/l, the criterion agreed to by NYS DEC and NYC DEP for the evaluation of the water supply ("Determination of Water Quality Using Protocols of the DEC/DEP MOU, Addendum E"). NYC DEP recently lifted the "phosphorus restricted" designation when two consecutive rolling averages dropped below 20 µg/l. Although these data meet the threshold for lifting the designation, at certain times of the year phosphorus concentrations are greater than 20 µg/l and algae counts exceed action levels. Excessive phosphorus loadings and the resulting eutrophication continues to impair use of the reservoir as a water supply, at times requiring the reservoir to be taken off-line. A Phase II TMDL for phosphorus was approved by USEPA in October 2000. Cannonsville is currently the only West of Hudson NYC Water Supply reservoir

that exceeds its Phase II TMDL limit and requires load reductions. These reductions are expected to be met (though plant upgrades and other efforts) sometime before the end of calendar year 2003. (NYC DEP, October 2002)

Major phosphorus sources include nonpoint source agricultural runoff and WWTP discharges, although with recent upgrades, WWTPs contribute a much smaller portion of the annual phosphorus load than they did historically. On-site septic systems, urban runoff from watershed villages and hamlets and streambank erosion are additional, but much less significant, contributing sources. NYC DEP, 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 on-site septic systems (or connecting these systems to municipal WWTPs), and installation of urban stormwater controls. Additionally, NYC DEP is developing a watershed loading model to better understand various nutrient sources and their relative contributions to the reservoir. (NYC DEP, April 2002)

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 NYC 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)

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 larger smallmouth bass (over 15inches) 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 bio-accumulate to appreciable levels in aquatic organisms. (2000-01 NYS DOH Health Advisories).

The reservoir is included on the NYS 2002 Section 303(d) List of Impaired Waters. The reservoir was included on Part 2b of the List as a Fish Consumption Water.

In addition to the water quality issues outlined above, the reservoir is considered a highly valued water resource due to its drinking water supply classification. The stream is used as drinking water supply for nearly half the population of the state. (DEC/DOW, BWAR, December 2000)

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

West Branch Delaware, Upper, Main Stem (1404-0021) MinorImpacts

Waterbody Location Information

Revised: 11/04/02

Water Index No: D-71 (portion 4) **Drain Basin:** Delaware River
Hydro Unit Code: 02040101/ **Str Class:** B(T) Upper Delaware River
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 17.0 Miles (Low Flow) **Quad Map:** HAMDEN (M-21-1) ...
Seg Description: from Cannonsville Reservoir near Beerston to Hawleys

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Known
Recreation	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: NUTRIENTS
Suspected: - - -
Possible: Pathogens

Source(s) of Pollutant(s)

Known: AGRICULTURE, MUNICIPAL
Suspected: Failing On-Site Syst, Streambank Erosion, Urban Runoff
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Recreational uses (swimming, fishing) and aesthetics in this reach of the Upper West Branch are stressed by excessive nutrient loads from agricultural activities and other nonpoint sources in the watershed. Urban runoff from more developed areas and inadequate on-site septic systems are suspected of being contributing sources as well. Aquatic life support in the reach is threatened by the nutrient loadings.

A combined biological (macroinvertebrate and periphyton) survey of the Upper West Branch at multiple sites between Stamford and Beerston was conducted in 2000; overall, water quality in the West Branch Delaware River is considered slightly impacted. Both biological approaches identified nonpoint nutrient enrichment as the likely cause of the impact, although the river is still supportive of a healthy, productive invertebrate fauna. Water quality in the reach may be vulnerable to additional sources of enrichment; seemingly minor nonpoint source inputs could result in substantial changes in the stream community. (Biological Stream Assessment: West Branch Delaware River, Bode et al., DEC/DOW, BWAR/SBU, April 2001)

NYC DEP routinely monitors 18 sites along the West Branch Delaware above the Cannonsville Reservoir. Analysis of

water quality data collected during 2000 identified 9 of these sites as exceeding guidance values for total phosphorus. NYC DEP biological monitoring on the West Branch revealed generally non-impacted conditions and healthy aquatic communities; two of the eight sites were occasionally found to be slightly impacted. (NYC DEP, April 2002)

NYC DEP, 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, restoration of unstable stream reaches at Octagon Farms (in Hawleys) and along Terrace Avenue and South Street in Walton, assessment and prioritization of additional stream reaches for restoration, and preparation of a Stream Management Plan for the entire West Branch from the reservoir to Stamford. A recent upgrade of the Village of Walton WWTP has been completed. (NYC DEP, April 2002)

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). (December 2000)

West Branch Delaware, Upper, and tribs (1404-0003) MinorImpacts

Waterbody Location Information

Revised: 11/07/02

Water Index No:	D-71 (portion 5)	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/	Str Class:	C(T) Upper Delaware River
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	37.1 Miles (Low Flow)	Quad Map:	BLOOMVILLE (L-21-3) ...
Seg Description:	from Hawleys to Stamford		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Known
Recreation	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: NUTRIENTS
 Suspected: Acid/Base (pH)
 Possible: Pathogens

Source(s) of Pollutant(s)

Known: AGRICULTURE, MUNICIPAL
 Suspected: Atmosph. Deposition, Failing On-Site Syst, Streambank Erosion, Urban Runoff
 Possible: - - -

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	4 (Source Identified, Strategy Needed)	
Lead Agency/Office:	ext/WQCC	Resolution Potential: Medium
TMDL/303d Status:	3 (Waters Requiring Re-Assessment Based on New Methodology)	

Further Details

Recreational uses (swimming, fishing) and aesthetics in this reach of the Upper West Branch are stressed by excessive nutrient loads from agricultural activities and other nonpoint sources in the watershed. Inadequate on-site septic systems and urban nonpoint impacts from more developed areas are suspected of being contributing sources as well. Aquatic life support in the reach is threatened by the nutrient loadings.

A combined biological (macroinvertebrate and periphyton) survey of the Upper West Branch at multiple sites between Stamford and Beerston was conducted in 2000; overall, water quality in the West Branch Delaware River is considered slightly impacted. Both biological approaches identified nonpoint nutrient enrichment as the likely cause of the impact, although the river is still supportive of a healthy, productive invertebrate fauna. Water quality in the reach may be vulnerable to additional sources of enrichment; seemingly minor nonpoint source inputs could result in substantial changes in the stream community. (Biological Stream Assessment: West Branch Delaware River, Bode et al., DEC/DOW, BWAR/SBU, April 2001)

NYC DEP routinely monitors 18 sites along the West Branch Delaware above the Cannonsville Reservoir. Analysis of

water quality data collected during 2000 identified 9 of these sites as exceeding guidance values for total phosphorus. NYC DEP biological monitoring on the West Branch revealed generally non-impacted conditions and healthy aquatic communities; two of the eight sites were occasionally found to be slightly impacted. (NYC DEP, April 2002)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the West Branch in Hobart (at Cornell Street) was conducted in 2000. Chemical sampling of the river identified some occurrences of low pH. Overall water quality at this site is considered to be fully supporting of uses. (DEC/DOW, BWAR/RIBS, January 2001)

NYC DEP, 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, restoration of unstable stream reaches at Octagon Farms (in Hawleys) and along Terrace Avenue and South Street in Walton, assessment and prioritization of additional stream reaches for restoration, and preparation of a Stream Management Plan for the entire West Branch from the reservoir to Stamford. WWTP upgrades for facilities in Stamford, Delhi and Hobart have been completed. The Delhi facility now treats process wastes from two large local dairy operations; one of which had land spread the wastewater. Wastewater from the NYSOCFS Allen Residential Center has been redirected to the Hobart WWTP. (NYC DEP, April 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. On-site septic systems in the Hamlets of Bloomville, Hamden, DeLancey and South Kortright have been identified. However NYCDEP funding is currently not adequate to address these situations. (DEC/DOW, Region 4, October 2002)

This section of the river is included on the NYS 2002 Section 303(d) List of Impaired Waters. The reservoir was included on Part 3 of the List as a Water Requiring Verification of problems; its listing based on threats to water quality due to nutrient (phosphorus) loadings. Since uses are currently fully supported in the stream and the water quality concerns relate to impacts from potential increases in current loadings, efforts to prevent loading increases (rather than reduce them) is appropriate to maintain fully support of uses and is the focus of the TMDL now under development. (DEC/DOW, BWAR and BWM, October 2002)

Previous (1996) assessment of this reach suggested chlorine and nutrient impacts from area STPs were affecting the fishery. However regional fisheries staff have seen no evidence of this. Neither the Stamford STP nor the smaller Hobart and Allen Residential Center facilities have a history of significant or frequent effluent exceedences. Additionally these facilities are undergoing upgrades related to New York City Watershed Rules and Regulations that will substantially reduce effluent loadings even further. (DEC/DOW, Region 4, April 2001)

This segment includes the portion of the West Branch from Chambers Hollow Brook (-49) near Hawleys to unnamed pond (P453) near Stamford. The waters of this portion of the river are Class C(T). (December 2000)

Sands Creek and minor tribs (1404-0022)

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71- 1	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/100	Str Class:	C(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	29.5 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	entire stream and selected/smaller tribs		
		Quad Map:	DEPOSIT (M-19-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Sands Creek in Hancock 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)

This segment includes the entire stream and selected tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Lower Bear Brook (-1), Johnson Brook (-2), Pine Swamp Brook (-4), Dry Brook (-6), are primarily Class C,C(T),C(TS) with some waters designated Class B,B(T). The upper portion of Bear Brook (-1) as well as larger lakes in the watershed are listed separately. (December 2000)

Roods Creek and tribs (1404-0027)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71- 4
Hydro Unit Code: 02040101/100 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 17.1 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: DEPOSIT (M-19-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Roods Creek in Hale Eddy 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)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Laurel Creek (-1), are primarily Class C(T) with some waters designated Class C. Larger lakes in the watershed are listed separately. (December 2000)

Oquaga Creek, Lower, and minor trib (1404-0034)

NoKnownImpct

Waterbody Location Information

Revised: 09/17/02

Water Index No: D-71-10
Hydro Unit Code: 02040101/080 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 22.3 Miles (Low Flow)
Seg Description: stream and selected tribs from mouth to Sanford

Drain Basin: Delaware River
Reg/County: 7/Broome Co. (4)
Quad Map: DEPOSIT (M-19-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: n/a ()

Resolution Potential:

Further Details

Biological (macroinvertebrate) assessments of Oquaga Creek were conducted in Deposit and Sanford in 1999, and in Deposit in 2000. Field sampling results from 1999 indicated non-impacted water quality conditions at both sites. The samples satisfied field screening criteria and were returned to the stream. The 2000 Deposit sample was returned to the lab for analysis and also determined to be non-impacted. (DEC/DOW, BWAR/SBU, June 2001)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Oquaga Creek in Deposit (at Oquaga Lake Road) was conducted in 2000. Chemical sampling of the river identified no significant parameters of concern. Overall water quality at this site is considered to be fully supporting of uses. (DEC/DOW, BWAR/RIBS, January 2001)

The Village of Deposit WWTP has experienced some ongoing operational problems which NYS DEC will continue to address. The plant discharges to the stream downstream of the biological sampling site and impacts to the stream would not be reflected in the sample results. (DEC/DOW, Region 7, June 1999)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Marsh Creek (-10) near Sanford. The waters of this portion of the stream are Class C(T) from the mouth to trib -9 and Class C for the remainder of the reach. Tribs to this reach, including Bone Creek (-1), Tarbell Brook (-3), are primarily Class C,C(T) with some

waters designated Class D. Fly Creek (-6) and Marsh Creek (-7) as well as larger lakes in the watershed are listed separately. (December 2000)

Oquaga Creek, Upper, and tribs (1404-0035)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-10
Hydro Unit Code: 02040101/080 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 51.9 Miles (Low Flow)
Seg Description: stream and tribs above Sanford

Drain Basin: Delaware River
Reg/County: 7/Broome Co. (4)
Quad Map: DEPOSIT (M-19-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Oquaga Creek in Sanford 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)

This segment includes the portion of the stream and all tribs above Marsh Creek (-10) near Sanford. The waters of this portion of the stream are Class C from trib -9 to trib -13 and Class C(T) for the remainder of the reach. Tribs to this reach are primarily Class C(T). Marsh Creek (-7) as well as larger lakes in the watershed are listed separately. (December 2000)

Fly Creek and tribs (1404-0036)

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-10- 6	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/080	Str Class:	B(T)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	16.4 Miles (Low Flow)	Reg/County:	7/Broome Co. (4)
Seg Description:	entire stream and tribs	Quad Map:	GULF SUMMIT (M-18-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Fly Creek in McClure 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)

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

Marsh Creek and tribs (1404-0040)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-10- 7	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/080	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	7/Broome Co. (4)
Waterbody Size:	13.8 Miles (Low Flow)	Quad Map:	GULF SUMMIT (M-18-3)
Seg Description:	entire stream and tribs		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Source(s) of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Marsh Creek above McClure 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)

This segment includes the entire stream and all tribs. The waters of the stream and all tribs are Class C(T). (December 2000)

Cold Spring Creek and minor tribs (1404-0045)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-12
Hydro Unit Code: 02040101/060 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 20.0 Miles (Low Flow)
Seg Description: entire stream and selected/smaller tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: DEPOSIT (M-19-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Cold Spring Brook in Stilesville 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)

This segment includes the entire stream and selected smaller tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Cabin Brook (-3), are primarily Class C,C(T),C(TS). East Branch (-2) and larger lakes in the watershed are listed separately. (December 2000)

East Branch Cold Spring and tribs (1404-0046)

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-12- 2
Hydro Unit Code: 02040101/060 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 24.9 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: CANNONSVILLE RESERV (M-19-3)
Upper Delaware River

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of East Branch Cold Spring Brook in Hambletville 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)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Michigan Hollow Brook (-2), Steam Mill Branch (-8), are primarily Class C,C(T),C(TS). Larger lakes in the watershed are listed separately. (December 2000)

funding is currently not adequate to address this situation. (DEC/DOW, Region 4, October 2002)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to unnamed trib (-6) near Trout Creek. The waters of this portion of the stream are Class A(TS). Tribs to this reach, including Dry Brook (-1), Lower Loomis Brook (-3) and Sherruck Brook (-4), are primarily Class A(T) and A(TS). Upper Loomis Brook (-3) is listed separately. (December 2000)

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

Impaired Seg

Waterbody Location Information

Revised: 07/12/02

Water Index No:	D-71-20	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/050	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	30.0 Miles (Low Flow)	Quad Map:	TROUT CREEK (M-19-2)
Seg Description:	stream and tribs in/above Trout Creek		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
FISH CONSUMPTION	Impaired	Known

Type of Pollutant(s)

Known: PRIORITY ORGANICS (PCBs)
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: LANDFILL/LAND DISP. (RichrdsnHill, Sidney Cntr), TOX/CONTAM. SEDIMENT
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	3 (Strategy Being Implemented)	
Verification Status:	5 (Management Strategy has been Developed)	
Lead Agency/Office:	ext/EPA	Resolution Potential: High
TMDL/303d Status:	2b (Multiple Segment/Categorical Water, Fish Consumption)	

Further Details

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).

The creek is included on the NYS 2002 Section 303(d) List of Impaired Waters. The reservoir was included on Part 2b of the List as a Fish Consumption Water.

Two superfund sites along the stream - 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. 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)

A biological (macroinvertebrate) assessment of Trout Creek below Trout Creek was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Impact Source Determination showed highest similarities to natural communities. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Loomis Creek, Upper, and tribs (1404-0051)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-20- 3
Hydro Unit Code: 02040101/050 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 18.9 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: TROUT CREEK (M-19-2)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Loomis Creek below Cleaver 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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Dryden Brook, Lower, and tribs (1404-0052)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-25
Hydro Unit Code: 02040101/050 **Str Class:** A(TS)
Waterbody Type: River
Waterbody Size: 5.3 Miles (Low Flow)
Seg Description: stream and tribs from mouth to Finch Hollow

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: WALTON WEST (M-20-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Dryden Brook at the mouth 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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the portion of the stream and all tribs from the mouth to/including unnamed trib -3 near Finch Hollow. The waters of this portion of the stream are Class A(TS). Tribs to this reach, including Maxwell Brook (-1), are Class A. (December 2000)

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

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-25	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/050	Str Class:	C(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	7.5 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	stream and tribs above Finch Hollow	Quad Map:	WALTON WEST (M-20-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Dryden Brook at the mouth 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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

West Brook, Main Stem (1404-0058)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-38	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/040	Str Class:	B(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	6.9 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	from mouth to trib -4	Quad Map:	WALTON WEST (M-20-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

Biological (macroinvertebrate) assessments of West Brook below and above Walton were conducted in 1999. Sampling results indicated non-impacted water quality conditions at both sites. Impact Source Determination showed highest similarities to natural communities. The fauna was diverse and well-balanced, with many clean-water mayflies, stoneflies, and caddisflies. (DEC/DOW, BWAR/SBU, June 2001)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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)

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-38- 1	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/040	Str Class:	A
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	8.4 Miles (Low Flow)	Quad Map:	WALTON WEST (M-20-1)
Seg Description:	stream and tribs above/including reservoir (P414)		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

East Brook, Lower, and tribs (1404-0062)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-39
Hydro Unit Code: 02040101/040 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 5.1 Miles (Low Flow)
Seg Description: stream and tribs from mouth to Private Road Bridge

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: WALTON EAST (M-20-2)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

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. (DEC/DOW, BWAR/SBU, June 2001)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the portion of the stream and all tribs from the mouth to the Private Road Bridge between tribs -1 and -2 near Walton. The waters of this portion of the stream are Class C(TS). Tribs to this reach are Class C(T). (December 2000)

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

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-39
Hydro Unit Code: 02040101/040 **Str Class:** A(TS)
Waterbody Type: River
Waterbody Size: 40.5 Miles (Low Flow)
Seg Description: stream and tribs above Private Road Bridge

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: WALTON EAST (M-20-2)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Bagley Brook and minor tribs (1404-0065)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-54
Hydro Unit Code: 02040101/030 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 25.0 Miles (Low Flow)
Seg Description: entire stream and selected/smaller tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: HAMDEN (M-21-1)
Upper Delaware River

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, 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. On-site septic systems in the Hamlet of DeLancey have been identified. However NYCDEP funding is currently not adequate to address this situation. (DEC/DOW, Region 4, October 2002)

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)

Bagley Brook Tributary (1404-0066)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-54- 1
Hydro Unit Code: 02040101/030 **Str Class:** AA(T)
Waterbody Type: River
Waterbody Size: 1.0 Miles (Low Flow)
Seg Description: stream and tribs above water supply dam

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: HAMDEN (M-21-1)
Upper Delaware River

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Bagley 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 below the segment, it is considered representative of water quality in the upper reach. (DEC/DOW, BWAR/SBU, June 2001)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the trib above the water supply dam. The waters of this portion of the stream are Class AA(T). (December 2000)

Platner Brook and tribs (1404-0067)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-57
Hydro Unit Code: 02040101/030 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 25.3 Miles (Low Flow)
Seg Description: entire stream and selected/smaller tribs

Drain Basin: Delaware River
Upper Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: DELHI (L-21-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Peak Brook and tribs (1404-0069)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-59	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/030	Str Class:	C(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	13.5 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	entire stream and tribs	Quad Map:	DELHI (L-21-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Little Delaware, Lower, and minor tribs (1404-0070) NoKnownImpct

Waterbody Location Information

Revised: 11/04/02

Water Index No: D-71-61 **Drain Basin:** Delaware River
Hydro Unit Code: 02040201/020 **Str Class:** C(T)
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 58.5 Miles (Low Flow) **Quad Map:** DELHI (L-21-4)
Seg Description: stream and selected tribs from mouth to Bovina Center

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: n/a ()

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Little Delaware River at the mouth near Delhi 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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, 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. On-site septic systems in the Hamlet of Bovina Center have been identified. However NYCDEP funding is currently not adequate to address this situation. (DEC/DOW, Region 4, October 2002)

A golf course in the watershed is pursuing options to satisfy irrigation needs. One proposal is to use treated effluent from the Delhi WWTP. (DEC/DOW, Region 4, October 2002)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to/including lower Coulter Brook (-14). The waters of this portion of the stream are Class C(T). Tribs to this reach, including Leal Brook (-1), Toll Gate Brook (-2), Hughes Brook (-4), Burnie Brook (-5) and Brush Brook (-13), are Class C,C(T),C(TS). Upper Coulter Brook is listed separately. (December 2000)

Little Delaware, Upper, and tribs (1404-0071)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-61
Hydro Unit Code: 02040201/020 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 24.5 Miles (Low Flow)
Seg Description: stream and tribs above Bovina Center

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: BLOOMVILLE (L-21-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Little Delaware River in Bovina Center 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)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the portion of the stream and all tribs above Coulter Brook (-14) near Bovina Center. The waters of this portion of the stream are Class C(TS) to trib -22, and Class C(T) for the remainder of the reach. Tribs to this reach, including Mountain Brook (-19) are Class C,C(T). (December 2000)

Coulter Brook, Upper, and tribs (1404-0006)

Threat(Poss)

Waterbody Location Information

Revised: 07/12/02

Water Index No: D-71-61-14 **Drain Basin:** Delaware River
Hydro Unit Code: 02040201/020 **Str Class:** AA(T)
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 6.2 Miles (Low Flow) **Quad Map:** BLOOMVILLE (L-21-3)
Seg Description: stream and tribs above Bovina Center water supply dam

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Possible

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: SILT/SEDIMENT, Nutrients

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: AGRICULTURE

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg4 **Resolution Potential:** High
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Although there are no known water quality impacts in Coulter Brook, the segment is considered a highly valued water resource due to its drinking water supply classification. The stream is used as drinking water supply for the Village of Bovina. The inclusion of this waterbody on the DEC/DOW Priority Waterbodies List as a Threatened water is a reflection of the value of this resource, rather than any specifically identified threats. (DEC/DOW, BWAR, December 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the stream and tribs above the lower Bovina Center water supply dam. The waters of this portion of the stream are Class AA(T). (December 2000)

Steele Brook, Upper, and tribs (1404-0077)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-63	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	A(TS)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	10.9 Miles (Low Flow)	Quad Map:	DELHI (L-21-4)
Seg Description:	stream and tribs above/including Delhi Reservoir (P430)		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Steele Creek in Delhi was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Impact Source Determination showed highest similarities to natural communities. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the stream and tribs above the Delhi Water Supply Reservoir (P430). The waters of this portion of the stream are Class A(TS). (December 2000)

Falls Creek and tribs (1404-0079)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-65
Hydro Unit Code: 02040101/010 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 12.7 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: DELHI (L-21-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Falls Creek near East Delhi was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Clean-water mayflies, stoneflies, and caddisflies were numerous. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Honest Brook (-3), are Class C,C(TS). (December 2000)

Elk Creek and tribs (1404-0080)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-66	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	C(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	22.7 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	entire stream and tribs	Quad Map:	DELHI (L-21-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Elk Creek near East Delhi was conducted in 1999. Sampling results indicated slightly impacted water quality conditions. Impact Source Determination denoted that the fauna was most similar to natural communities. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Dry Brook (-3), are Class C,C(TS). (December 2000)

Wright Brook and minor tribs (1404-0081)

NoKnownImpet

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-78	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	25.0 Miles (Low Flow)	Quad Map:	BLOOMVILLE (L-21-3)
Seg Description:	entire stream and selected/smaller tribs		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Wright Brook in Bloomville was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Impact Source Determination showed highest similarities to natural communities. The fauna was diverse and well-balanced, with many clean-water mayflies, stoneflies, and caddisflies. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the entire stream and all tribs, except an unnamed trib -a designated as Class AA. The waters of the stream are Class C(T). Tribs to this reach, including Avery Hollow Brook (-1), Roberts Hollow Brook (-2), are Class C(T) as well. (December 2000)

Wright Brook Tributary (1404-0082)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-78-a
Hydro Unit Code: 02040101/010 **Str Class:** AA
Waterbody Type: River
Waterbody Size: 1.0 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: BLOOMVILLE (L-21-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Wright Brook in Bloomville was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Impact Source Determination showed highest similarities to natural communities. The fauna was diverse and well-balanced, with many clean-water mayflies, stoneflies, and caddisflies. Though this sampling point is below the segment, it is considered representative of water quality in the upper reach. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, 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. On-site septic systems in the Hamlet of Bloomville have been identified. However NYCDEP funding is currently not adequate to address this situation. (DEC/DOW, Region 4, October 2002)

This segment includes the entire stream and tribs. The waters of this portion of the stream are Class AA.

Rose Brook and tribs (1404-0083)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-83	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	26.1 Miles (Low Flow)	Quad Map:	HOBART (L-22-4)
Seg Description:	entire stream and tribs		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Source(s) of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Rose Brook at the mouth near South Kortright was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Impact Source Determination showed highest similarities to natural communities; possible siltation effects were also indicated. In spite of these minor impacts, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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). (December 2000)

Betty Brook and tribs (1404-0084)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-85	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	C(T)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	12.2 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	entire stream and tribs	Quad Map:	HOBART (L-22-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Betty Brook at the moth near South Kortright was conducted in 1999. Sampling results indicated non-impacted water quality conditions. The fauna was diverse and well-balanced with many clean-water mayflies, stoneflies, and caddisflies. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

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(T) as well. (December 2000)

Lake Brook and tribs (1404-0085)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-92	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	C(TS)
Waterbody Type:	River		Upper Delaware River
Waterbody Size:	11.9 Miles (Low Flow)	Reg/County:	4/Delaware Co. (13)
Seg Description:	entire stream and tribs	Quad Map:	HARPERSFIELD (L-22-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Source(s) of Pollutant(s)

Known: ---

Suspected: ---

Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Lake Brook at the mouth near Hobart was conducted in 1999. Sampling results indicated non-impacted water quality conditions. Clean-water mayflies and caddisflies were numerous. Impact Source Determination also denoted slight effects of nonpoint source nutrient enrichment. In spite of these minor impacts, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. (DEC/DOW, BWAR/SBU, January 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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Floral Valley Creek (-2), Whiskey Hollow Creek (-3), are Class C(T). (December 2000)

Town Brook, Lower, and tribs (1404-0087)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-71-93
Hydro Unit Code: 02040101/010 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 15.0 Miles (Low Flow)
Seg Description: stream and tribs from mouth to water supply dam

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: HOBART (L-22-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:**
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

A biological (macroinvertebrate) assessment of Town Brook in Hobart 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)

Town Brook has been the subject of a USGS water quality study to evaluate the effectiveness of BMPs in decreasing agricultural nutrient and pesticide loading to receiving waters. The results of the study emphasized the need for both baseflow and storm/event monitoring to capture the range of nutrient and pesticide concentrations. (Stream Water Chemistry, Nutrients and Pesticides in Town Brook, USGS, Report 01-4050, 2001)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the portion of the stream and all tribs from the mouth to the water supply dam near trib -10. The waters of this portion of the stream are Class C(T). Tribs to this reach are Class C,C(T). (December 2000)

Town Brook, Upper, and tribs (1404-0088)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-71-93	Drain Basin:	Delaware River
Hydro Unit Code:	02040101/010	Str Class:	A(T) Upper Delaware River
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	15.0 Miles (Low Flow)	Quad Map:	ROXBURY (L-22-3)
Seg Description:	stream and tribs above water supply dam		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMENT		

Type of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential:
TMDL/303d Status:	(TMDL Not Required (No Impairment))	

Further Details

A biological (macroinvertebrate) assessment of Town Brook in Hobart 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 below the segment, it is considered representative of water quality in the upper reach. (DEC/DOW, BWAR/SBU, June 2001)

Town Brook has been the subject of a USGS water quality study to evaluate the effectiveness of BMPs in decreasing agricultural nutrient and pesticide loading to receiving waters. The results of the study emphasized the need for both baseflow and storm/event monitoring to capture the range of nutrient and pesticide concentrations. (Stream Water Chemistry, Nutrients and Pesticides in Town Brook, USGS, Report 01-4050, 2001)

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 NYCDEP in cooperation with watershed communities, as set forth in the NYC Watershed Agreement. (NYCDEP, October 2002)

This segment includes the portion of the stream and all tribs above the water supply dam near trib -10. The waters of this portion of the stream and its tribs are Class A(T). (December 2000)