



Lower East Branch Delaware River Watershed (0204010205)

Water Index Number	Waterbody Segment	Category
D-70 (portion 1)	East Branch Delaware, Lower, Main Stem (1403-0001)	Threatened
D-70 (portion 2)	East Branch Delaware, Lower, Main Stem(1403-0005)	Threatened
D-70- 1 thru 19 (selected)	Minor Tribs to East Branch Delaware (1403-0010)	UnAssessed
D-70- 2	Cadosia Creek and Tribs (1403-0003)	NoKnownImpct
D-70- 2-P274	Perkins Pond (1403-0046)	UnAssessed
D-70- 8-2-P276	Pierce Pond (1403-0047)	UnAssessed
D-70-15	Fish Creek and tribs (1403-0048)	UnAssessed
D-70-17	Read Creek and Tributaries (1403-0049)	NoKnownImpct
D-70-17-P277,P278	Beaver Meadow,Trask Ponds (1403-0022)	UnAssessed
D-70-17-P279	Merrick Pond (1403-0050)	UnAssessed
D-70-21 thru 42 (selected)	Minor Tribs to East Branch Delaware (1403-0011)	UnAssessed
D-70-23	Baxter Bk/Harvard Ck and Tributaries (1403-0090)	NoKnownImpct
D-70-26	Trout Brook/Shinopple Creek and Tribs (1403-0091)	NoKnownImpct
D-70-26-P352	Launt Pond (1403-0037)	UnAssessed
D-70-29-P353	Stewart Lake (1403-0038)	UnAssessed
D-70-31	Campbell Brook and tribs (1403-0036)	NoKnownImpct
D-70-39	Downs/Gregory Hollow Brook and Tribs (1403-0092)	NoKnownImpct

East Branch Delaware, Lower, Main Stem (1403-0001)

Threatened

Waterbody Location Information

Revised: 11/07/02

Water Index No:	D-70 (portion 1)	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/060	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	15.0 Miles (Med. Flow)	Quad Map:	HANCOCK, PA (N-19-2)
Seg Description:	from mouth to East Branch		

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)
Possible: - - -

Source(s) of Pollutant(s)

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

Resolution/Management Information

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

Further Details

Aquatic life support in this portion of the East 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.

Biological (macroinvertebrate) assessments of the East Branch Delaware in Hancock and Harvard (just above this reach) were conducted in 1999. A second assessment at the Hancock site was conducted in 2000. The 1999 sampling in Hancock indicated non-impacted water quality conditions using field assessments during 1999. This sample satisfied field screening criteria and was returned to the stream. The Harvard sample was evaluated in the lab and also determined to be non-impacted. Clean-water mayflies dominated the sample and many stoneflies were also present. In 2000, a sample was collected at Hancock and assessed in the lab as slightly impacted. In spite of some minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAR/SBU, January 2000)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the East Branch in Hancock (at Route 97) 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 Pepacton 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)

This segment includes the portion of the river and selected/smaller tribs from the mouth to the Beaver Kill (-20) in East Branch. The waters of this portion of the river are Class C(T). (December 2000)

East Branch Delaware, Lower, Main Stem (1403-0005)

Threatened

Waterbody Location Information

Revised: 11/07/02

Water Index No: D-70 (portion 2) **Drain Basin:** Delaware River
Hydro Unit Code: 02040102/020 **Str Class:** East Branch Delaware
Waterbody Type: River **Reg/County:** 4/Delaware Co. (13)
Waterbody Size: 15.0 Miles (Med. Flow) **Quad Map:** CORBETT (M-20-3)
Seg Description: from East Branch to Downsville Dam/Pepacton Reservoir

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)
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 East 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 East Branch Delaware in Harvard was conducted in 1999. The 1999 sampling indicated non-impacted water quality conditions using field assessments. The sample was returned to and evaluated in the lab and also determined to be non-impacted. Clean-water mayflies dominated the sample and many stoneflies were also present. (DEC/DOW, BWAR/SBU, January 2000)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the East Branch farther downstream in Hancock (at Route 97) 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 Pepacton 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)

This segment includes the portion of the river and selected/smaller tribs from the Beaver Kill (-20) in East Branch to the Downsville Dam/Pepacton Reservoir. The waters of this portion of the river are Class C(T). (December 2000)

Cadosia Creek and Tribs (1403-0003)

NoKnownImpct

Waterbody Location Information

Revised: 09/17/02

Water Index No: D-70- 2
Hydro Unit Code: 02040102/060 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 34.8 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
East Branch Delaware
Reg/County: 4/Delaware Co. (13)
Quad Map: HANCOCK, PA (N-19-2)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted
NO USE IMPAIRMENT

Severity

Problem Documentation

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 Cadosia Creek in Cadosia 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)

The Kerry Chemical Hazardous Waste site - previously cited as a source of recreational use impacts - has been fenced to prevent seepage of tar wastes into the creek. A Record of Decision was signed in 1990 calling for the on-site thermal destruction of the wood tar wastes. Remedial action is in progress. (DEC/DER, Registry of Inactive Haz. Waste Disp. Sites, Vol. 4, April 2000)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS). Tribs to this reach, including Coon Hill Brook (-2), Fisher Brook (-4), are Class C,C(T),C(TS). Larger lakes in the watershed are listed separately. (December 2000)

Read Creek and Tributaries (1403-0049)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-70-17	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/060	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	33.5 Miles (Low Flow)	Quad Map:	READBURN (M-20-4)
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
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Read Creek at the mouth below Readburn 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 Dry Brook (-3), East Brook (-4), Knowles Brook (-6), Rich Creek (-9), are Class C,C(T),C(TS). Larger lakes in the watershed are listed separately. (December 2000)

Baxter Bk/Harvard Ck and Tributaries (1403-0090)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-70-23
Hydro Unit Code: 02040102/020 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 22.7 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: CORBETT (M-20-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted
NO USE IMPAIRMENT

Severity

Problem Documentation

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 Baxter Brook in Harvard 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 Gee Brook (-2), Carcass Brook (-4), Pine Mountain Branch (-5), Bear Brook (-6), are Class C,C(T),C(TS). (December 2000)

Trout Brook/Shinopple Creek and Tribs (1403-0091) **NoKnownImpct**

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-70-26	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/020	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	4/Delaware Co. (13)
Waterbody Size:	19.2 Miles (Low Flow)	Quad Map:	CORBETT (M-20-3)
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
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Trout Brook in Shinopple 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 Possession Hollow Brook (-3), West Branch Trout Brook (-4), East Branch Trout Brook (-5), are Class C,C(T),C(TS). (December 2000)

Campbell Brook and tribs (1403-0036)

NoKnownImpct

Waterbody Location Information

Revised: 11/06/02

Water Index No: D-70-31
Hydro Unit Code: 02040102/020 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 20.0 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Reg/County: 4/Delaware Co. (13)
Quad Map: CORBETT (M-20-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted
NO USE IMPAIRMENT

Severity

Problem Documentation

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 assessment of Campbell Brook (-31) in Corbett was conducted in 1999. The sampling of this trib indicated non-impacted water quality conditions. This sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, January 2000)

Downs/Gregory Hollow Brook and Tribs (1403-0092) NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-70-39
Hydro Unit Code: 02040102/020 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 40.6 Miles (Low Flow)
Seg Description: entire stream and tribs

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

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted
NO USE IMPAIRMENT

Severity

Problem Documentation

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 Downs Brook in Downsville 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 Wilson Hollow Brook (-1), Lindsley Hollow Brook(-1-3), Telford Hollow Brook (-2), Doe Brook (-3), Fuller Hollow Brook (-6), Tiffany Hollow Brook (-4), are Class C(T),C(TS). (December 2000)