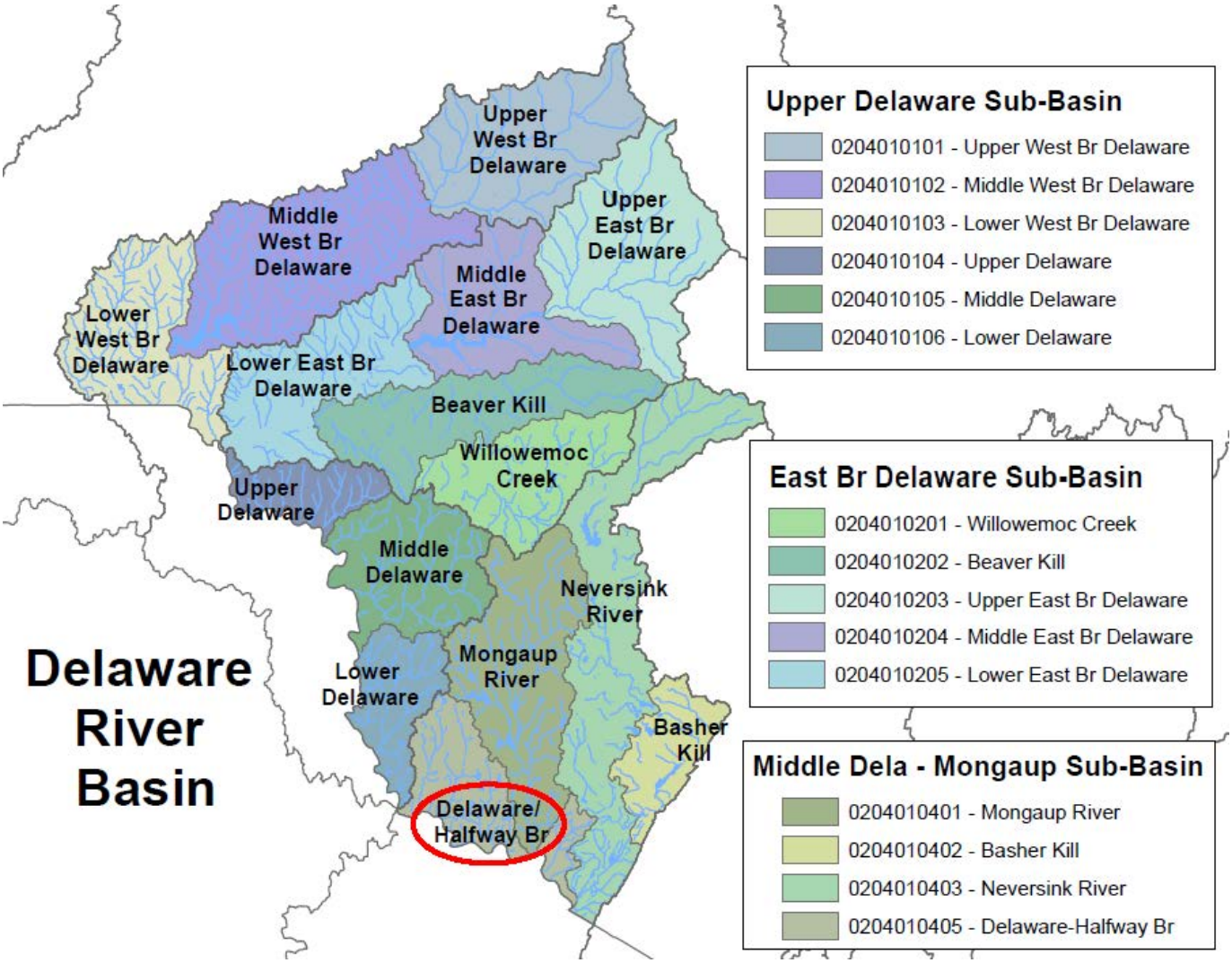

Halfway Brook-Delaware River Watershed (0204010405)

Water Index Number	Waterbody Segment	Category
D (portion 1)	Delaware River, Lower, Main Stem (1401-0020)	Threat(Poss)
D- 3 thru 4	Minor Tribs to Delaware River (1401-0021)	UnAssessed
D- 5	Shingle Kill and minor tribs (1401-0022)	UnAssessed
D- 5-	Minor Tribs to Upper Shingle Kill (1401-0023)	UnAssessed
D- 5- P73- 2- P75	Big Pond (1401-0024)	UnAssessed
D-11 thru 33 (selected)	Minor Tribs to Delaware River (1401-0076)	UnAssessed
D-13	Fish Cabin Creek and tribs (1401-0077)	NoKnownImpct
D-16	Mill Brook and tribs (1401-0078)	NoKnownImpct
D-16- 8-P170	Lochada Lake (1401-0079)	UnAssessed
D-16- 9- P173	Big Mohican Lake (1401-0007)	MinorImpacts
D-16-10-P174	Lake Devenogue/Upper Highland Lake (1401-0080)	UnAssessed
D-16-P173a	Little Mohican Lake (1401-0081)	UnAssessed

D-25	Halfway Brook, Lower, and tribs (1401-0006)	NoKnownImpct
D-25	Halfway Brook, Upper, and tribs (1401-0082)	UnAssessed
D-25- 7-P176	Sand Pond (1401-0083)	UnAssessed
D-25- 8-P177	Blind Pond (1401-0084)	UnAssessed
D-25- 9-P179	Highland Lake (1401-0085)	UnAssessed
D-25-P180	Sidwell Lake (1401-0087)	UnAssessed
D-25-13-P??	Sunrise Lake (1401-0086)	UnAssessed
D-29-P183	Wells Pond (1401-0088)	UnAssessed
D-30	Beaver Brook, Lower and tribs (1401-0089)	NoKnownImpct
D-30	Beaver Brook, Upper, and tribs (1401-0090)	UnAssessed
D-30-2-P185,P186	Bodine, Montgomery Lakes (1401-0091)	UnAssessed
D-30-3-P187	Washington Lake (1401-0092)	UnAssessed
D-30-4-P190,P192,P193,P194	Turnpike, Fox, Halfmoon, Silver Lakes (1401-0093)	UnAssessed
D-30-P184a	Toasperns Pond (1401-0094)	UnAssessed
D-30-P195	Welmet Lake (1401-0095)	UnAssessed
D-30-P196	Trout Pond (1401-0096)	UnAssessed
D-30-P197,P198	Crystal Lake, Mud Pond (1401-0097)	UnAssessed

Delaware River, Lower, Main Stem (1401-0020) Threat(Poss)

Waterbody Location Information

Revised: 11/01/02

Water Index No: D (portion 1)
Drain Basin: Delaware River
Hydro Unit Code: 02040104/ **Str Class:** A
Mid Delaware-Mongaup
Waterbody Type: River
Reg/County: 3/Sullivan Co. (53)
Waterbody Size: 24.7 Miles (High Flow)
Quad Map: PORT JERVIS NORTH (P-22-1)
Seg Description: from NY-PA-NJ border to Lackawaxen River

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Threatened	Possible

Type of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: NUTRIENTS (phosphorus), OTHER POLLUTANTS (various)

Source(s) of Pollutant(s)

Known: - - -
Suspected: Hydro Modification
Possible: AGRICULTURE, OTHER SOURCE, Failing On-Site Syst

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg3
Resolution Potential: High
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

This portion of the Delaware River supports appropriate designated uses. Although there are no known water quality impacts in this portion of the Delaware, the segment is considered a highly valued water resource due to its designation as a National Wild and Scenic River. 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. A few potential/possible sources that have been suggested include agricultural activity, hydromodification (reservoir releases) and on-site septic system impacts. (DEC/DOW, BWAR, December 2000)

A biological (macroinvertebrate) assessment of the Delaware at multiple sites along this reach were conducted in 1999. An additional sample at Port Jervis in 2000. All sampling results indicated slightly impacted water quality conditions at both Port Jervis and Pond Eddy. Impact Source Determination was unclear about the cause of impact; but decomposable wastes may be present. Tolerant snails dominated the fauna, although clean-water mayflies, stoneflies, and caddisflies were also present. In spite of some/these minor impacts, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. Water quality at a third site in Minisink Ford was assessed as non-impacted, however effects of nonpoint source nutrient enrichment were also indicated as being present. (DEC/DOW, BWAR/SBU, June 2002)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Delaware River in Port Jervis (at Route 6/209) was conducted in 2000. Chemical sampling of the river identified no parameters of concern. Overall

water quality at this site is considered to be fully supporting of uses. (DEC/DOW, BWAR/RIBS, January 2001)

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

This segment includes the portion of the river tribs from the mouth to the Lackawaxen River near Minisink Ford. The waters of this portion of the stream are Class A. Tribs to this reach/segment are listed separately.

Fish Cabin Creek and tribs (1401-0077) NoKnownImpct

Waterbody Location Information

Revised: 07/10/02

Water Index No: D-13
Hydro Unit Code: 02040101/020 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 8.7 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Upper Delaware River
Reg/County: 3/Sullivan Co. (53)
Quad Map: POND EDDY (P-21-2)

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: n/a ()

Further Details

A biological (macroinvertebrate) assessment of Fish Cabin Creek near Rosas, PA, was conducted in 1999. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, June 2002)

Mill Brook and tribs (1401-0078) NoKnownImpct

Waterbody Location Information

Revised: 07/10/02

Water Index No: D-16
Hydro Unit Code: 02040104/020 **Str Class:** B(T)
Waterbody Type: River
Waterbody Size: 37.2 Miles (Low Flow)
Seg Description: entire stream and tribs

Drain Basin: Delaware River
Mid Delaware-Mongaup
Reg/County: 3/Sullivan Co. (53)
Quad Map: POND EDDY (P-21-2)

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: n/a ()

Further Details

A biological (macroinvertebrate) assessment of Mill Brook in Pond 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 2002)

Big Mohican Lake (1401-0007) MinorImpacts

Waterbody Location Information

Revised: 07/10/02

Water Index No: D-16- 9- P173
Hydro Unit Code: 02040101/020 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 185.6 Acres ( )
Seg Description: entire lake

Drain Basin: Delaware River
Upper Delaware River
Reg/County: 3/Sullivan Co. (53)
Quad Map: HIGHLAND LAKE (O-21-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Known

Type of Pollutant(s)

Known: D.O./OXYGEN DEMAND
Suspected: - - -
Possible: Nutrients (phosphorus)

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: FAILING ON-SITE SYST

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Recreational uses in Big Mohican Lake are considered stressed by algal levels and reduced water clarity. Lower dissolved oxygen also affects portions of the lake.

Big Mohican Lake was included in the 2000 Lake Classification and Inventory monitoring effort. Results of this study found slightly elevated algae levels, moderately low water clarity, and low (hypoxic) Hypolimnetic dissolved oxygen readings. D.O. levels were not in compliance with standards below a depth of 4 meters. Aquatic plant (weed) growth was noted, but does not appear to restrict lake uses, including boating. Although these data are not sufficient to fully evaluate aquatic life support, there is no evidence of fishery impairment. (DEC/DOW, BWM/Lake Services, August 2000)

There is an older subdivision with small lots is situated on the lake. Failing and/or inadequate on-site septic systems have been suggested as a source of nutrients to the lake. (Sullivan County WQCC, 1996)

Halfway Brook, Lower, and tribs (1401-0006) NoKnownImpct

Waterbody Location Information

Revised: 07/10/02

Water Index No: D-25
Drain Basin: Delaware River
Hydro Unit Code: 02040104/020 **Str Class:** B(T)
Mid Delaware-Mongaup
Waterbody Type: River
Reg/County: 3/Sullivan Co. (53)
Waterbody Size: 18.3 Miles (Low Flow)
Quad Map: SHOHOLA (P-21-1)
Seg Description: stream and tribs from mouth to Sidwell Lake

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: n/a ()

Further Details

A biological (macroinvertebrate) assessment of Halfway Creek in Barryville was conducted in 1999. Field sampling indicated slightly impacted water quality conditions. In spite of some minor impacts, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, June 2001)

Previously reported raw sewage discharges in Eldred have been addressed.

This segment includes the portion of the stream and all tribs from the mouth to Sidwell Lake (P180). The waters of this portion of the stream are Class B(T). Tribs to this reach, including Hickock Brook (-4), are Class C, C(T), C(TS) and B(T). Larger lakes in the watershed are listed separately. (December 2000)

Beaver Brook, Lower and tribs (1401-0089) NoKnownImpct

Waterbody Location Information

Revised: 07/10/02

Water Index No: D-30
Drain Basin: Delaware River
Hydro Unit Code: 02040104/020 **Str Class:** B(T)
Mid Delaware-Mongaup
Waterbody Type: River
Reg/County: 3/Sullivan Co. (53)
Waterbody Size: 7.8 Miles (Low Flow)
Quad Map: SHOHOLA (P-21-1)
Seg Description: stream and tribs from mouth to Toaspern Pond

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: n/a ()

Further Details

A biological (macroinvertebrate) assessment of Beaver Brook in Minisink Ford was conducted in 1999. Field sampling indicated slightly impacted water quality conditions. In spite of some minor impacts, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts. 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 from the mouth to Toasperns Pond (P184a). The waters of this portion of the stream are Class B(T), except for those portions in the Forest Preserve. Tribs to this reach, including those to Toaspern Pond, are Class B and B(T). Larger lakes in the watershed are listed separately. (December 2000)