



**Willowemoc Creek Watershed
(0204010201)**

Water Index Number	Waterbody Segment	Category
D-70-20-25	Willowemoc Creek, Lower, and minor tribs(1403-0059)	Threat(Poss)
D-70-20-25	Willowemoc Creek, Middle, and tribs (1403-0025)	Threat(Poss)
D-70-20-25	Willowemoc Creek, Upper, and tribs(1403-0026)	Threat(Poss)
D-70-20-25- 1-P294	Lake Florence/Round Lake (1403-0060)	UnAssessed
D-70-20-25- 6-P295	Mud Pond (1403-0027)	UnAssessed
D-70-20-25- 6-P307	Olympus Lake/Shaw Pond (1403-0028)	UnAssessed
D-70-20-25- 8	Cattail Brook and tribs (1403-0029)	UnAssessed
D-70-20-25- 8-2-P299	Shandelee Lake (1403-0061)	UnAssessed
D-70-20-25- 9	Little Beaver Kill and minor tribs (1403-0062)	NoKnownImpct
D-70-20-25- 9-1-P300	Trojan Lake (1403-0063)	UnAssessed
D-70-20-25- 9-1a-P301	Nimrod Lake (1403-0030)	UnAssessed
D-70-20-25- 9-2	Matawa Lake Outlet, Upper, and tribs (1403-0064)	UnAssessed
D-70-20-25- 9-2-P302,P303	Matawa,Lenape Lakes (1403-0065)	UnAssessed

D-70-20-25- 9-5- P305	Revonah Lake (1403-0066)	UnAssessed
D-70-20-25- 9-8-P309	Melbern Lake (1403-0031)	UnAssessed
D-70-20-25- 9-9- P311	Lily Pond (1403-0067)	UnAssessed
D-70-20-25- 9-9-1-P310	Cranberry Pond (1403-0032)	UnAssessed
D-70-20-25- 9-P316	North Pond (1403-0068)	UnAssessed
D-70-20-25-11	Sprague Brook and tribs (1403-0033)	NoKnownImpct
D-70-20-25-11- 1-P318	White Rose Lake (1403-0069)	UnAssessed
D-70-20-25-11- 3-P320	Maple Lake/Knapp Pond (1403-0070)	UnAssessed
D-70-20-25-11- 4-P321	Lake Uncas (1403-0071)	UnAssessed
D-70-20-25-11- 4-P322	Forest Lake (1403-0072)	UnAssessed
D-70-20-25-11- 6-P323	Knickerbocker/Trout Pond (1403-0073)	UnAssessed
D-70-20-25-11-P324	Orchard Lake (1403-0074)	UnAssessed
D-70-20-25-15	Mongaup Creek and tribs (1403-0034)	NoKnownImpct
D-70-20-25-15-5-P326/P327	Frick, Hodge Ponds (1403-0035)	UnAssessed
D-70-20-25-15-P328	Mongaup Pond (1403-0075)	UnAssessed
D-70-20-25-16-P329	Hunter Pond (1403-0076)	UnAssessed
D-70-20-25-25-1-P331	Long Pond (1403-0077)	UnAssessed
D-70-20-25-27-P332	Sand Pond (1403-0078)	UnAssessed

Willowemoc Creek, Lower, and minor tribs (1403-0059) Threat(Poss)

Waterbody Location Information

Revised: 07/12/02

Water Index No: D-70-20-25 **Drain Basin:** Delaware River
Hydro Unit Code: 02040102/040 **Str Class:** C(TS) East Branch Delaware
Waterbody Type: River **Reg/County:** 3/Sullivan Co. (53)
Waterbody Size: 44.9 Miles (Low Flow) **Quad Map:** ROSCOE (N-21-1)
Seg Description: stream and selected tribs fr mouth to Livingston Manor

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

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Possible

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: NUTRIENTS, SILT/SEDIMENT, THERMAL CHANGES

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: MUNICIPAL (Livingston Manor WWTP), ROADBANK EROSION (Route 17), STREAMBANK EROSION

Resolution/Management Information

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

Further Details

This portion of the Willowemoc supports appropriate designated uses. The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery. 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)

Biological (macroinvertebrate) assessments of the Willowemoc at the mouth in Roscoe and below Livingston Manor were conducted in 1999. Field sampling results indicated non-impacted water quality conditions at both sites. The Roscoe sample satisfied field screening criteria and was returned to the stream. The sample from below Livingston Manor was returned to the lab and verified as being non-impacted. Impact Source Determination showed highest similarities to natural communities. (DEC/DOW, BWAR/SBU, June 2001)

Biological surveys of the Willowemoc were conducted in 1993 and 1994. Both studies found primarily non-impacted conditions throughout the stream. Some measurable impacts were noted below the Livingston Manor WWTP. However in spite of these minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW,

BWAR/SBU, Willowemoc Creek Biological Assessment Reports, November 1993 and January 1995)

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

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

Threat(Poss)

Waterbody Location Information

Revised: 07/11/02

Water Index No: D-70-20-25 **Drain Basin:** Delaware River
Hydro Unit Code: 02040102/040 **Str Class:** C(TS) East Branch Delaware
Waterbody Type: River **Reg/County:** 3/Sullivan Co. (53)
Waterbody Size: 27.3 Miles (Low Flow) **Quad Map:** LIVINGSTON MANOR (N-21-2)
Seg Description: stream and selected tribs fr Livingston Mnr to Debruce

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Possible

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: STREAMBANK EROSION

Resolution/Management Information

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

Further Details

This portion of the Willowemoc supports appropriate designated uses. The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery. 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)

Biological (macroinvertebrate) assessments of the Willowemoc below Livingston Manor and above Debruce (on either end of this segment) were conducted in 1999. Field sampling results indicated non-impacted water quality conditions at both sites. The samples satisfied field screening criteria and were returned to the stream. (DEC/DOW, BWAR/SBU, June 2001)

Biological surveys of the Willowemoc were conducted in 1993 and 1994. Both studies found non-impacted conditions throughout this portion of the stream. (DEC/DOW, BWAR/SBU, Willowemoc Creek Biological Assessment Reports, November 1993 and January 1995)

This segment includes the portion of the stream and selected/smaller tribs from the Little Beaver Kill in Livingston

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

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

Threat(Poss)

Waterbody Location Information

Revised: 07/11/02

Water Index No:	D-70-20-25	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/040	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	3/Sullivan Co. (53)
Waterbody Size:	68.3 Miles (Low Flow)	Quad Map:	WILLOWEMOC (N-22-1)
Seg Description:	stream and tribs above Debruce		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Possible

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: STREAMBANK EROSION

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))

Verification Status: 4 (Source Identified, Strategy Needed)

Lead Agency/Office: DEC/FWMR

TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential: High

Further Details

This portion of the Willowemoc supports appropriate designated uses. The Willowemoc (along with the Beaver Kill) support one of the most productive trout fisheries in the northeast. These streams are quite well-known and popular for fly-fishing and generate significant economic benefits through this recreational use. Although there are no known water quality impacts in this portion of the Willowemoc, the segment is considered a highly valued water resource due to its high quality trout fishery. 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)

A biological (macroinvertebrate) assessment of the Willowemoc above Debruce was conducted in 1999. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, June 2001)

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

Little Beaver Kill and minor tribs (1403-0062)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No: D-70-20-25- 9
Hydro Unit Code: 02040102/040 **Str Class:** B(T)
Waterbody Type: River
Waterbody Size: 64.1 Miles (Low Flow)
Seg Description: entire stream and selected/smaller tribs

Drain Basin: Delaware River
Reg/County: 3/Sullivan Co. (53)
Quad Map: LIVINGSTON MANOR (N-21-2)

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: (TMDL Not Required (No Impairment))

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of the Little Beaver Kill in Morsston 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)

There have been persistent reports of discharges from commercial establishments below Parksville. There is no evidence of an related impacts at the mouth of the stream, but problems would likely be more localized and conditions should be verified. (DEC/FWMR, Region 3, April 2001)

This segment includes the entire stream and selected tribs. The waters of this portion of the stream are Class B(T). Tribs to this reach, including Benton Hollow Brook (-5), are primarily Class B,B(T),B(TS) with some waters designated Class C,C(TS). A Class AA portion of trib -1 as well as larger lakes in the watershed are listed separately. (December 2000)

Sprague Brook and tribs (1403-0033)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-70-20-25-11	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/040	Str Class:	B(T)
Waterbody Type:	River	Reg/County:	3/Sullivan Co. (53)
Waterbody Size:	20.4 Miles (Low Flow)	Quad Map:	LIVINGSTON MANOR (N-21-2)
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 Sprague Brook near Parkson was conducted in 1999. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, June 2001)

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

Mongaup Creek and tribs (1403-0034)

NoKnownImpct

Waterbody Location Information

Revised: 09/18/02

Water Index No:	D-70-20-25-15	Drain Basin:	Delaware River
Hydro Unit Code:	02040102/040	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	3/Sullivan Co. (53)
Waterbody Size:	26.4 Miles (Low Flow)	Quad Map:	WILLOWEMOC (N-22-1)
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 Mongaup Creek in DeBruce was conducted in 1999. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAR/SBU, June 2001)

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