01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°38'16.7", long 74°37'02.2" referenced to North American Datum of 1927, Sullivan County, NY, Hydrologic Unit 02040104, on left bank 0.1 mi upstream from State Highway 17 bridge, and 0.25 mi upstream from Bridgeville. Water-quality sampling site at discharge station.

DRAINAGE AREA.--171 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,056.14 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Subsequent to June 1953, entire flow from 92.5 mi^2 of drainage area controlled by Neversink Reservoir (01435900). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite and telephone gage-height and temperature telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,900 ft^3/s, Apr. 3, 2005, gage height, 21.25 ft, from floodmark in gage house; minimum discharge, 20 ft^3/s, Dec. 31, 1998 (result of freezeup); minimum gage height, 4.25 ft, Jan. 19, 2002 (result of freezeup).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,640 ft^3/s, Mar. 9, gage height, 12.94 ft; minimum discharge, 76 ft^3/s, all or part of each day Oct. 4-9, 19, gage height, 4.46 ft.

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	134	136	217	348	e160	394	709	178	148	127	143	110
2	86	117	196	337	e225	373	782	206	145	124	139	84
3	78	114	295	e259	239	369	847	203	138	130	158	82
4	77	106	297	e226	217	422	1,000	279	145	138	139	81
5	76	102	249	e205	284	3,390	1,390	235	143	129	132	81
6	76	125	217	230	864	3,220	1,140	207	147	132	166	119
7	76	124	204	257	2,120	1,670	894	191	146	126	147	198
8	76	106	189	353	974	3,220	734	184	147	122	139	115
9	121	100	179	636	700	5,530	646	201	161	121	138	161
10	175	111	e200	591	530	2,220	580	223	139	119	139	164
11	191	116	216	589	380	1,420	530	191	154	117	167	115
12	326	112	324	561	392	1,100	661	175	137	116	166	111
13	165	179	306	427	750	896	547	166	131	118	144	134
14	109	161	272	367	959	606	416	162	133	130	149	158
15	104	615	238	312	630	844	338	161	146	123	149	134
16	96	513	e220	255	540	848	254	204	137	117	142	115
17	87	331	e230	231	513	701	239	328	157	115	134	106
18	81	264	e240	e213	1,390	577	223	227	139	115	130	101
19	98	226	e260	e207	2,190	998	213	211	136	114	126	96
20	414	251	204	203	1,310	2,360	197	190	130	114	123	94
21	178	260	190	e164	956	1,880	165	180	126	122	121	92
22	132	217	175	e164	795	1,070	149	178	141	117	120	91
23	111	191	348	e160	712	736	139	169	197	220	120	90
24	134	181	1,110	e155	615	537	132	159	158	809	119	89
25	138	173	534	e136	522	495	127	150	140	398	121	88
26	121	295	387	e141	398	478	122	145	134	234	119	131
27	547	537	354	e127	605	448	107	141	132	283	117	134
28	444	335	331	e131	e417	501	206	137	131	264	116	122
29	236	278	510	e141	e387	523	376	136	129	178	117	170
30	184	247	469	e136	---	484	213	131	129	158	117	131
31	156	---	392	e136	---	526	---	134	---	150	116	---
Total	5,027	6,623	9,553	8,398	20,774	38,836	14,076	5,782	4,276	5,380	4,173	3,497
Mean	162	221	308	271	716	1,253	469	187	143	174	135	117
Max	547	615	1,110	636	2,190	5,530	1,390	328	197	809	167	198
Min	76	100	175	127	160	369	107	131	126	114	116	81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	187	232	255	277	215	362	489	217	254	159	131	173
Max	516	581	907	752	716	1,253	1,272	446	849	335	383	611
(WY)	(2006)	(2007)	(2004)	(2006)	(2008)	(2008)	(2005)	(1998)	(2006)	(2000)	(2004)	(2004)
Min	47.8	48.1	45.7	36.0	66.7	119	120	109	88.9	84.3	79.0	61.9
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2006)	(1999)	(2001)	(1999)	(2001)	(1993)	(1995)

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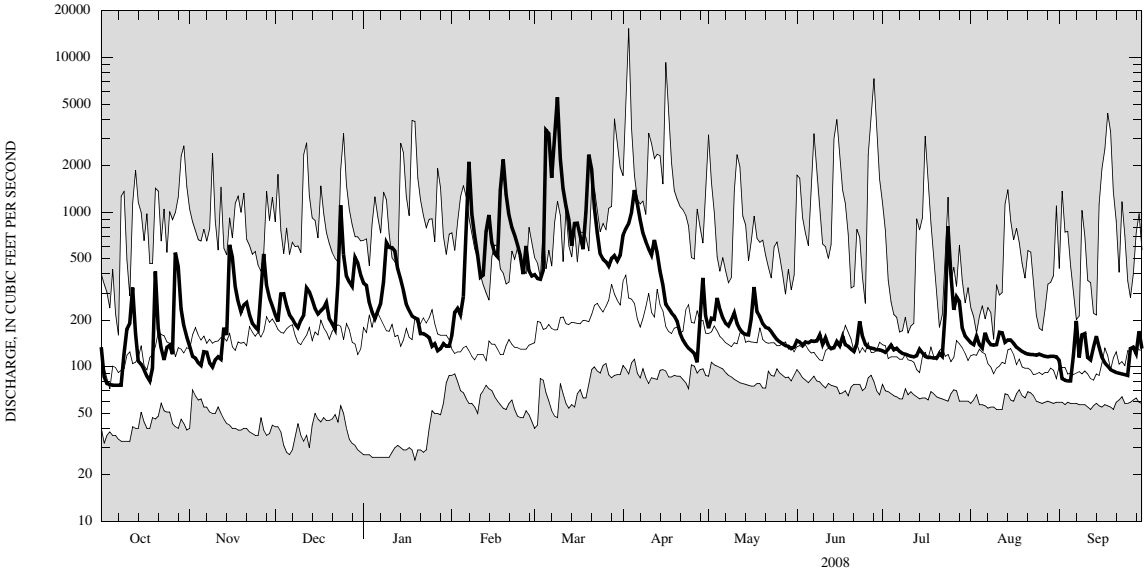
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1992 - 2008	
Annual total	108,902		126,395			
Annual mean	298		345		246	
Highest annual mean					361	2004
Lowest annual mean					112	2002
Highest daily mean	9,290	Apr 16	5,530	Mar 9	15,400	Apr 3, 2005
Lowest daily mean	76	Oct 5	76	Oct 5	25	Jan 19, 2002
Annual seven-day minimum	78	Oct 2	78	Oct 2	26	Jan 4, 2002
10 percent exceeds	539		710		484	
50 percent exceeds	165		176		141	
90 percent exceeds	132		113		71	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1992 to current year.

INSTRUMENTATION.--Water-temperature satellite and telephone telemeter provides 15-minute-interval readings. Prior to May 1993, satellite telemeter provided one-hour-interval readings.

REMARKS.--Temperature readings prior to Oct. 1, 2007, rounded to the nearest 0.5°C. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Prior to Oct. 1, 2007--Maximum, 26.5°C, July 15, 1995; minimum, 0.0°C on many days during winter periods.
WATER TEMPERATURE: After Oct. 1, 2007--Maximum, 24.8°C, June 10, 2008; minimum, 0.0°C on several days during winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 24.8°C, June 10; minimum, 0.0°C on several days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	15.6	13.7	14.6	10.2	8.9	9.6	2.4	0.5	1.5	1.0	0.2	0.5
2	16.5	13.6	15.0	9.3	7.4	8.3	0.5	0.3	0.3	1.0	0.1	0.5
3	18.1	14.8	16.3	8.2	7.1	7.6	2.2	0.3	1.3	0.1	0.0	0.1
4	19.3	15.3	17.2	7.8	6.3	7.1	1.8	0.6	1.1	0.1	0.0	0.0
5	19.3	15.8	17.5	8.2	6.1	7.2	0.9	0.3	0.5	0.2	0.0	0.1
6	19.6	15.8	17.7	9.2	7.4	8.2	0.9	0.2	0.3	0.7	0.2	0.4
7	19.6	17.3	18.2	7.4	5.7	6.7	0.3	0.2	0.2	2.0	0.3	1.1
8	19.8	15.9	17.8	5.8	4.2	5.1	1.3	0.2	0.8	2.7	1.8	2.1
9	18.7	17.1	17.8	5.4	4.1	4.8	1.7	1.0	1.4	4.7	2.1	2.7
10	18.6	16.4	17.1	5.5	4.0	4.7	2.8	---	---	2.7	1.4	2.2
11	16.8	15.8	16.3	5.3	3.3	4.3	2.6	1.8	2.3	2.9	2.5	2.7
12	15.8	13.1	14.7	5.0	3.7	4.3	3.4	2.3	2.9	3.0	2.2	2.6
13	13.2	11.7	12.5	7.1	5.0	6.0	2.3	0.2	1.0	2.4	1.6	2.1
14	12.4	10.9	11.8	6.8	5.2	6.0	1.0	0.2	0.6	2.2	1.6	1.9
15	13.2	11.5	12.2	7.7	6.8	7.3	1.0	0.1	0.7	2.3	1.6	1.9
16	13.7	11.2	12.4	6.9	5.0	6.1	0.1	0.0	0.1	1.7	0.4	1.1
17	14.1	11.8	13.0	5.0	3.9	4.5	0.3	0.0	0.1	0.5	0.2	0.3
18	15.5	12.9	14.2	5.0	4.0	4.5	0.4	0.1	0.1	1.9	0.2	0.9
19	16.7	15.0	15.7	4.9	4.1	4.6	0.3	0.1	0.1	1.2	0.4	0.8
20	16.3	14.1	15.4	5.0	4.6	4.8	0.5	0.1	0.3	0.8	0.1	0.3
21	15.0	12.5	13.8	6.2	5.0	5.6	0.8	0.2	0.4	0.4	0.1	0.2
22	14.8	12.1	13.5	8.1	6.2	7.0	1.7	0.8	1.4	0.2	0.1	0.1
23	15.7	13.4	14.6	6.9	3.2	5.3	2.7	1.7	2.2	0.6	0.1	0.2
24	15.4	13.9	14.6	3.2	1.9	2.6	2.0	0.7	1.3	0.3	0.1	0.1
25	14.6	12.6	13.6	3.4	1.7	2.5	1.8	1.4	1.6	0.4	0.1	0.1
26	12.6	11.0	11.6	4.6	2.7	3.6	2.0	1.2	1.7	0.2	0.1	0.1
27	13.0	11.6	12.2	5.7	4.6	5.3	2.4	2.0	2.2	0.5	0.1	0.2
28	12.5	9.9	11.3	4.9	4.0	4.3	3.0	2.1	2.5	0.5	0.1	0.2
29	9.9	8.4	9.2	4.6	3.8	4.1	3.5	2.5	3.0	0.3	0.1	0.2
30	9.9	7.5	8.7	3.8	2.4	3.1	2.5	1.3	1.9	0.8	0.1	0.3
31	10.4	7.9	9.1	---	---	---	1.8	0.5	1.1	0.5	0.1	0.2
Month	19.8	7.5	14.2	10.2	1.7	5.5	3.5	---	---	4.7	0.0	0.8

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	0.2	0.1	0.1	1.5	0.2	0.9	6.1	2.9	4.6	10.9	6.8	9.1
2	0.5	0.1	0.3	2.3	0.4	1.4	5.8	3.2	4.6	9.9	9.2	9.6
3	1.7	0.3	0.9	3.0	0.9	2.0	5.1	1.4	3.6	9.2	8.6	9.0
4	1.2	1.0	1.1	2.6	1.8	2.0	4.4	2.6	3.2	12.4	8.3	10.1
5	1.7	1.1	1.4	1.8	0.7	1.1	5.5	3.3	4.3	15.0	8.9	11.8
6	1.9	1.1	1.6	2.9	0.9	1.7	4.8	3.2	4.0	16.1	10.4	13.0
7	1.4	0.2	0.9	2.7	0.7	1.7	5.9	3.5	4.6	16.6	10.6	13.6
8	1.7	0.5	1.1	1.8	1.0	1.4	7.6	3.7	5.8	16.3	13.4	14.5
9	1.4	0.9	1.1	2.4	0.8	1.4	7.7	4.1	6.3	13.5	10.4	11.8
10	1.6	0.0	0.8	2.7	0.5	1.4	9.0	5.2	7.4	12.8	9.3	11.1
11	0.4	0.0	0.0	3.5	1.0	2.1	8.3	6.0	6.6	14.5	9.3	11.9
12	0.1	0.0	0.0	3.2	1.6	2.3	10.6	6.3	8.3	11.8	9.4	10.8
13	0.1	0.0	0.0	3.4	1.1	2.3	8.8	6.2	7.1	15.1	7.7	11.3
14	0.5	0.0	0.1	4.3	1.6	3.0	8.2	4.4	6.4	16.5	10.5	13.6
15	1.2	0.1	0.6	4.5	2.8	3.7	9.1	4.7	7.0	16.1	13.1	14.4
16	1.3	0.0	0.5	3.6	2.4	3.1	11.5	5.9	8.5	13.4	10.1	11.5
17	1.3	0.0	0.4	3.9	0.8	2.5	13.1	7.2	10	13.9	9.2	11.7
18	1.9	0.8	1.4	3.3	1.8	2.8	14.6	8.7	11.5	12.5	10.2	11.7
19	2.1	0.8	1.3	3.2	2.3	2.6	15.8	10.3	12.8	11.7	8.7	10.2
20	1.4	0.3	0.8	3.2	1.9	2.5	12.6	10.5	11.4	10.4	8.5	9.6
21	1.4	0.1	0.8	3.6	1.2	2.3	15.4	9.4	12.2	12.5	8.8	10.7
22	1.1	0.1	0.3	3.8	0.9	2.4	16.3	10.1	13.1	13.7	9.7	11.3
23	1.5	0.3	1.0	4.1	0.9	2.6	17.4	11.0	14.1	14.7	10.2	12.2
24	1.8	0.2	1.0	4.4	1.3	3.1	17.9	12.6	15.0	14.5	10.8	12.7
25	2.0	0.2	1.2	4.6	1.3	3.3	16.0	11.1	13.7	18.1	10.7	14.2
26	2.0	0.2	1.0	5.6	3.0	4.4	17.1	12.5	14.6	19.5	12.5	16.1
27	2.0	0.2	1.2	4.5	2.7	3.4	16.2	12.5	14.0	20.3	15.8	17.8
28	1.2	0.2	0.5	3.6	2.8	3.3	13.5	10.1	11.5	19.0	13.5	16.0
29	0.7	0.2	0.4	4.9	1.7	3.2	11.9	9.2	10.2	18.5	11.8	15.0
30	---	---	---	4.9	1.3	3.3	12.0	7.7	9.6	19.3	12.3	15.8
31	---	---	---	4.1	2.5	3.0	---	---	---	18.4	15.2	16.5
Month	2.1	0.0	0.8	5.6	0.2	2.5	17.9	1.4	8.9	20.3	6.8	12.5

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	19.2	14.0	16.3	21.2	16.8	18.8	22.2	18.0	20.0	20.2	14.8	17.4
2	18.7	13.8	16.2	22.3	16.4	19.1	19.8	16.9	18.0	21.4	15.5	18.4
3	18.3	13.5	16.0	19.2	16.4	18.0	19.1	14.9	17.0	22.6	17.8	19.8
4	16.1	14.1	15.0	17.3	15.7	16.5	20.1	15.8	17.7	22.6	17.4	19.9
5	16.3	13.6	14.9	20.0	14.7	16.9	21.0	15.9	18.4	22.7	17.9	20.2
6	17.2	14.2	15.5	20.6	16.2	18.3	21.7	17.5	19.2	20.4	18.0	19.2
7	21.6	14.7	18.1	21.8	17.0	19.2	21.5	16.9	18.9	20.5	16.8	18.4
8	22.0	17.9	19.9	22.9	17.6	20.2	20.5	17.0	18.6	20.6	16.4	18.4
9	24.2	17.6	20.7	21.7	18.0	19.9	20.5	16.0	17.9	18.0	16.1	17.0
10	24.8	18.9	21.7	22.9	16.9	19.7	17.2	15.2	16.2	17.5	14.2	15.9
11	23.2	18.2	20.5	21.6	16.5	19.1	15.9	14.5	15.1	18.0	14.5	16.1
12	22.9	16.8	19.6	22.0	17.1	19.6	18.0	13.8	15.8	16.3	15.4	15.7
13	22.7	16.2	19.4	21.1	17.7	19.3	19.0	14.9	16.8	17.0	15.1	16.1
14	22.0	17.7	19.4	19.8	16.8	18.2	19.4	15.4	17.1	20.3	16.3	18.2
15	22.0	17.5	19.4	22.3	15.7	18.8	17.9	15.5	16.7	21.4	18.1	19.4
16	20.4	16.7	18.2	23.1	16.3	19.6	19.8	15.7	17.5	18.1	15.3	16.7
17	19.4	15.5	17.1	22.0	17.5	19.9	20.4	15.0	17.7	17.7	13.2	15.3
18	16.6	14.1	15.3	23.5	17.4	20.3	21.4	16.0	18.6	17.0	13.3	15.0
19	17.3	12.9	15.1	23.1	18.7	20.7	21.0	16.8	18.4	16.4	12.1	14.1
20	17.5	13.5	15.4	23.4	18.5	20.9	19.7	14.2	16.8	16.1	11.7	13.7
21	19.6	13.1	16.3	23.7	19.0	21.1	20.1	14.4	17.1	16.0	11.7	14.0
22	18.4	15.2	16.4	20.8	18.3	19.6	21.0	15.1	17.9	18.4	14.3	15.9
23	19.4	14.4	16.6	18.9	17.3	18.0	20.3	15.3	17.8	17.4	13.2	15.2
24	19.5	15.8	17.3	18.9	17.1	18.0	20.4	16.2	17.9	16.9	12.5	14.6
25	20.2	14.3	17.1	21.0	17.0	19.0	20.0	16.6	17.9	15.3	12.8	14.1
26	18.1	15.7	16.8	21.0	17.2	19.1	19.8	14.6	17.0	14.1	13.1	13.7
27	16.9	14.6	15.7	19.8	17.9	18.8	19.1	14.1	16.5	15.7	13.9	14.8
28	19.8	14.5	17.2	21.3	17.2	19.1	18.9	14.4	16.7	15.9	15.0	15.5
29	18.9	16.4	17.7	22.1	17.1	19.4	17.4	15.3	16.3	17.0	14.9	15.7
30	21.2	15.4	18.1	21.0	16.8	19.0	19.0	15.3	17.0	16.7	14.1	15.3
31	---	---	---	23.0	17.4	20.0	20.2	14.7	17.2	---	---	---
Month	24.8	12.9	17.4	23.7	14.7	19.2	22.2	13.8	17.5	22.7	11.7	16.5