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. Elevation of gage is 1,080 ft above NGVD of 1929, from topographic map.

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, 11,100 ft^3/s, Apr. 16, gage height, 15.21 ft; minimum discharge, 124 ft^3/s, Aug. 9, 10, gage height, 4.67 ft.

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	283	460	365	339	e171	e143	761	189	139	141	142	130
2	256	549	430	323	e170	e225	908	190	148	140	145	129
3	195	481	355	351	e167	e265	907	184	149	140	161	129
4	172	425	290	346	e156	e231	1,020	171	226	143	169	135
5	157	401	232	363	e153	e213	1,150	157	185	181	180	139
6	142	395	212	512	e157	e188	751	148	160	209	168	139
7	145	382	210	439	e166	e177	581	143	135	163	178	140
8	139	785	198	805	e167	e172	545	139	136	154	225	140
9	135	986	e188	541	e153	e174	492	135	134	149	143	141
10	131	562	183	553	e143	e208	401	145	132	166	340	140
11	140	534	182	455	e146	e222	305	199	132	184	252	152
12	257	490	181	411	e148	e273	416	165	132	191	178	151
13	192	481	197	423	e148	e336	490	152	130	150	176	143
14	175	530	215	443	e147	513	387	143	134	154	154	135
15	160	459	197	623	e145	778	1,440	139	134	154	141	134
16	168	565	e190	693	e143	478	9,290	139	142	151	137	133
17	227	1,140	e177	493	e142	e331	4,250	144	161	142	140	132
18	454	1,270	e174	e417	e141	e300	2,020	136	157	144	138	132
19	288	997	e168	e384	e142	e269	1,380	144	159	135	135	132
20	435	811	161	e357	e137	e251	1,210	150	174	135	135	132
21	476	668	156	e334	e142	e299	1,090	139	140	135	153	132
22	364	609	158	e321	e138	e377	1,040	143	141	134	158	132
23	304	534	297	e303	e134	684	956	143	136	191	142	130
24	218	556	247	e286	e133	612	663	143	142	235	136	129
25	200	453	209	e255	e134	844	494	141	141	165	147	129
26	192	416	269	e213	e136	774	498	137	143	162	161	133
27	201	393	251	e189	e136	1,060	454	135	158	165	141	134
28	1,070	377	224	e182	e138	1,090	399	139	171	293	134	135
29	781	360	210	e170	---	755	351	139	151	203	134	135
30	601	348	199	e167	---	655	238	145	144	189	131	134
31	513	---	193	e168	---	588	---	137	---	154	129	---
Total	9,171	17,417	6,918	11,859	4,133	13,485	34,887	4,653	4,466	5,152	5,003	4,061
Mean	296	581	223	383	148	435	1,163	150	149	166	161	135
Max	1,070	1,270	430	805	171	1,090	9,290	199	226	293	340	152
Min	131	348	156	167	133	143	238	135	130	134	129	129

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	189	232	252	278	180	303	490	219	261	159	131	176
Max	516	581	907	752	438	558	1,272	446	849	335	383	611
(WY)	(2006)	(2007)	(2004)	(2006)	(2006)	(2003)	(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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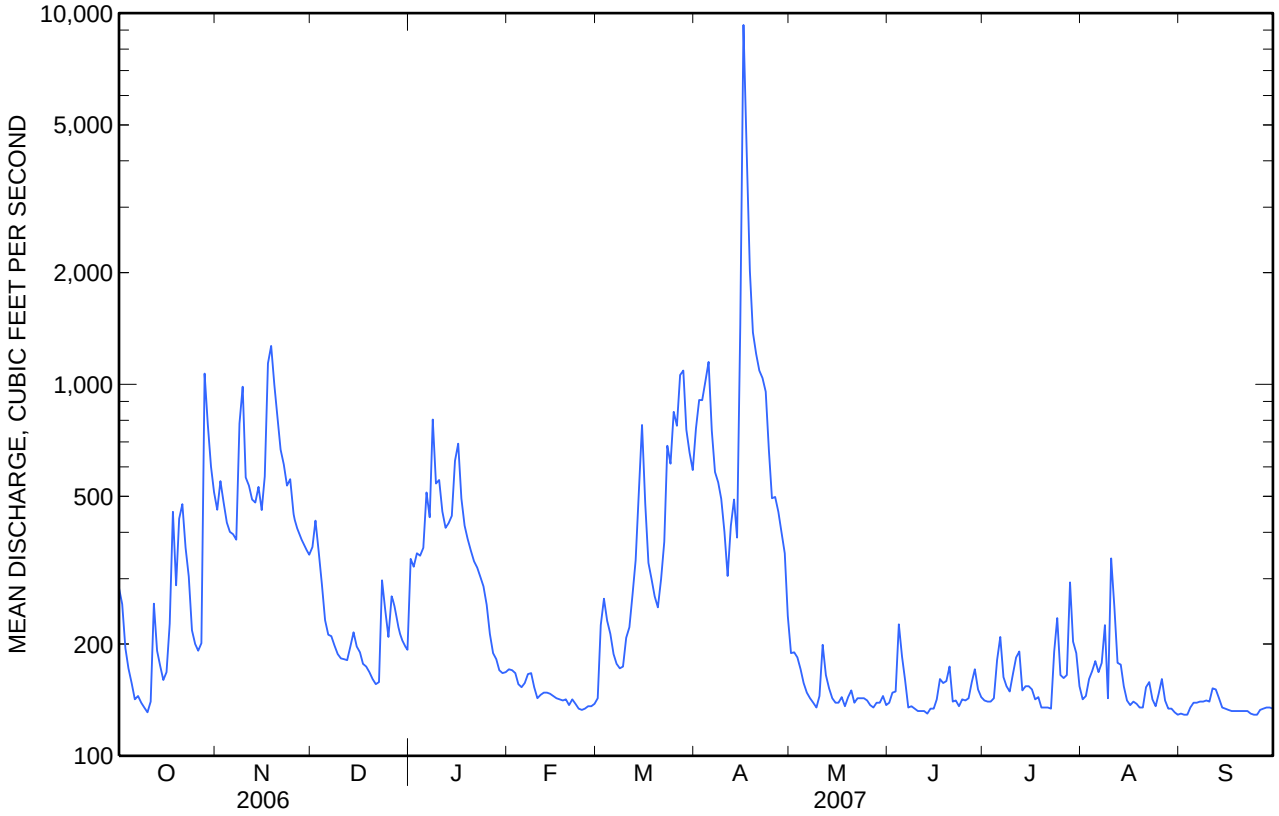
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1992 - 2007	
Annual total	131,572		121,205			
Annual mean	360		332		239	
Highest annual mean					361	2004
Lowest annual mean					112	2002
Highest daily mean	7,310	Jun 28	9,290	Apr 16	15,400	Apr 3, 2005
Lowest daily mean	78	Apr 10	129	Aug 31	25	Jan 19, 2002
Annual seven-day minimum	85	Apr 7	131	Aug 28	26	Jan 4, 2002
10 percent exceeds	728		616		460	
50 percent exceeds	191		177		140	
90 percent exceeds	110		135		70	



WATER-QUALITY RECORDS

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C, July 15, 1995; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.5°C, July 9, 31, Aug. 1, 2, 9, 12, 25; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	13.5	11.5	12.5	10.5	9.0	9.5	11.5	10.0	11.0	4.5	3.0	4.0
2	14.5	11.5	13.0	9.5	8.0	9.0	10.5	6.0	8.0	4.5	3.0	4.0
3	14.5	11.5	13.5	8.0	6.5	7.0	6.0	5.0	5.5	3.5	2.5	3.0
4	16.0	13.5	15.0	6.5	5.5	6.0	5.5	3.5	5.0	4.0	3.0	3.5
5	16.5	13.0	15.0	7.0	5.5	6.0	3.5	2.0	3.0	6.0	4.0	5.0
6	13.0	11.0	12.5	7.5	5.5	6.5	3.0	1.5	2.5	8.5	6.0	7.5
7	12.0	9.5	11.0	8.0	6.5	7.5	4.5	3.0	3.5	7.5	5.5	6.0
8	13.5	9.5	11.5	9.0	8.0	8.5	3.0	0.5	1.0	5.5	4.5	5.0
9	15.0	11.0	13.0	10.0	9.0	9.5	1.5	0.5	1.0	4.5	3.0	3.5
10	15.0	12.0	13.5	9.5	8.5	9.0	3.5	1.5	2.0	3.0	2.0	2.5
11	14.0	13.0	13.0	9.0	7.5	8.5	4.0	2.5	3.0	2.5	1.0	2.0
12	14.0	12.0	13.0	9.5	9.0	9.5	5.0	4.0	4.5	4.0	2.5	3.0
13	12.0	9.5	10.5	10.0	9.0	9.5	6.0	5.0	5.5	5.0	4.0	4.5
14	10.0	8.0	9.0	10.5	10.0	10.5	6.5	5.0	5.5	5.0	4.5	4.5
15	9.0	7.0	8.0	10.5	10.0	10.5	6.0	5.0	5.0	4.5	4.0	4.0
16	10.0	6.5	8.5	12.5	10.5	11.0	5.5	4.0	5.0	4.0	1.5	3.5
17	10.0	8.5	9.0	12.5	10.0	11.5	5.0	3.5	4.0	1.5	0.5	0.5
18	12.5	10.0	11.5	10.0	9.0	9.5	6.0	5.0	5.5	2.0	0.5	1.0
19	13.5	12.0	13.0	9.0	8.5	8.5	5.5	3.0	4.5	3.0	2.0	2.0
20	13.5	10.5	12.5	8.5	7.5	7.5	3.5	2.0	3.0	2.0	0.5	1.0
21	10.5	9.5	10.0	7.5	6.5	7.0	3.5	2.0	2.5	0.5	0.0	0.5
22	10.5	9.5	10.0	7.0	6.0	6.5	3.0	2.0	2.5	1.5	0.5	1.0
23	10.0	8.5	9.5	6.5	6.0	6.5	5.0	3.0	4.0	2.0	1.0	1.5
24	8.5	8.0	8.0	7.0	6.0	6.5	5.5	4.0	4.5	2.0	1.0	1.5
25	9.0	7.5	8.0	6.5	5.0	6.0	4.0	3.0	3.0	2.0	0.5	1.5
26	8.5	7.0	7.5	7.0	5.5	6.0	4.5	3.0	4.0	0.5	0.0	0.5
27	7.5	5.5	7.0	7.5	6.0	7.0	4.5	3.5	4.0	0.5	0.0	0.0
28	9.0	7.5	8.5	8.0	7.0	7.5	4.0	2.5	3.5	1.0	0.0	0.5
29	8.5	7.0	7.5	8.5	8.0	8.5	4.5	3.0	3.5	0.5	0.0	0.0
30	8.0	6.0	7.0	10.0	8.5	9.5	3.5	3.0	3.0	0.5	0.0	0.0
31	9.5	7.0	8.0	---	---	---	3.5	2.5	3.0	0.5	0.0	0.0
Month	16.5	5.5	10.6	12.5	5.0	8.2	11.5	0.5	4.0	8.5	0.0	2.5

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.5	3.5	12.0	9.5	11.0
2	0.5	0.0	0.0	0.0	0.0	0.0	5.5	3.0	4.0	14.0	9.5	11.5
3	0.5	0.0	0.0	0.0	0.0	0.0	7.0	4.0	5.5	15.0	9.0	12.0
4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.0	4.0	15.0	9.0	12.0
5	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.5	3.5	15.0	9.5	12.0
6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.5	2.5	15.0	9.5	12.0
7	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.5	2.5	16.0	9.0	12.5
8	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.5	2.5	17.0	10.5	14.0
9	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	2.5	19.0	12.0	15.5
10	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	3.5	19.5	15.0	17.0
11	0.0	0.0	0.0	0.5	0.0	0.0	6.5	3.0	4.5	19.5	15.5	17.5
12	0.0	0.0	0.0	0.5	0.0	0.0	5.5	3.5	4.0	19.0	14.5	16.5
13	0.5	0.0	0.0	0.5	0.0	0.0	4.0	3.0	3.5	17.5	12.5	15.0
14	0.0	0.0	0.0	2.5	0.0	1.0	6.0	3.0	4.5	16.5	10.5	13.5
15	0.0	0.0	0.0	2.0	1.5	1.5	5.5	1.5	3.5	19.0	12.0	15.5
16	0.0	0.0	0.0	1.5	0.0	0.5	3.5	1.5	2.5	17.5	15.0	16.5
17	0.0	0.0	0.0	1.0	0.0	0.5	4.5	3.0	3.5	16.5	12.5	14.5
18	0.0	0.0	0.0	1.5	0.0	0.5	5.0	3.5	4.0	13.5	11.0	12.5
19	0.0	0.0	0.0	1.0	0.0	0.5	6.5	4.0	5.0	11.0	10.0	10.5
20	0.0	0.0	0.0	2.0	0.0	1.0	8.0	3.5	6.0	14.5	9.5	12.0
21	0.0	0.0	0.0	3.0	0.5	1.5	8.5	3.5	6.0	17.0	11.0	13.5
22	0.0	0.0	0.0	5.5	2.5	4.0	9.0	4.0	6.5	17.0	11.0	14.0
23	0.0	0.0	0.0	4.0	2.0	2.5	9.5	4.5	7.0	17.0	12.0	14.5
24	0.0	0.0	0.0	3.5	1.5	2.5	10.5	7.0	8.5	19.5	12.5	16.0
25	0.0	0.0	0.0	3.5	1.5	2.5	9.0	6.0	7.0	20.5	14.5	17.5
26	0.0	0.0	0.0	3.5	1.5	2.5	10.0	6.0	8.5	19.5	15.5	17.0
27	0.0	0.0	0.0	4.5	2.0	3.5	9.5	7.5	8.0	18.5	14.0	16.0
28	0.0	0.0	0.0	5.0	2.0	3.5	10.0	7.5	8.5	20.0	14.5	16.5
29	---	---	---	4.5	1.5	3.5	9.5	8.5	9.0	19.5	13.5	16.5
30	---	---	---	5.5	2.0	4.0	14.0	8.0	10.5	19.0	13.0	16.0
31	---	---	---	6.0	2.5	4.5	---	---	---	20.5	14.5	17.5
Month	0.5	0.0	0.0	6.0	0.0	1.3	14.0	1.5	5.2	20.5	9.0	14.5

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	21.5	16.0	18.5	17.5	14.0	15.5	22.5	17.5	20.0	19.0	14.0	16.5
2	20.5	16.0	18.0	17.5	12.0	15.0	22.5	17.0	19.5	18.5	14.0	16.0
3	18.0	15.5	17.0	17.5	12.5	15.0	20.5	17.0	18.5	19.5	14.0	16.5
4	15.5	14.5	15.0	14.5	13.0	13.5	21.0	16.5	18.0	20.0	15.5	17.5
5	18.5	13.5	16.0	18.5	12.5	15.5	19.5	15.5	17.5	18.5	16.0	17.0
6	17.5	13.5	15.5	20.0	16.0	18.0	18.0	16.0	17.0	18.0	14.5	16.0
7	18.0	12.0	15.0	20.5	15.5	17.5	18.0	15.0	16.5	19.5	15.0	17.0
8	20.0	14.0	17.0	21.5	15.5	18.5	21.5	17.0	19.0	19.5	16.0	17.5
9	21.0	16.5	18.5	22.5	17.5	19.5	22.5	18.5	20.5	19.0	16.0	17.0
10	18.5	16.0	17.0	20.5	17.5	19.0	20.5	16.0	17.5	17.0	15.5	16.5
11	20.5	14.5	17.5	18.0	16.5	17.0	21.0	15.5	18.0	16.0	14.0	15.0
12	20.5	16.5	18.5	20.5	15.0	17.5	22.5	17.5	20.0	16.0	13.0	14.5
13	17.5	14.5	16.5	20.0	15.5	18.0	21.5	18.0	19.5	17.0	13.5	15.0
14	16.5	13.0	15.0	20.5	15.5	17.5	20.0	15.5	18.0	16.5	14.0	15.5
15	19.5	13.5	16.0	18.5	15.0	16.5	19.5	15.0	17.5	17.0	14.0	15.5
16	18.0	14.0	16.0	20.0	15.5	17.5	21.0	16.5	18.5	15.0	12.5	13.5
17	18.5	14.0	16.0	20.5	15.5	18.0	20.0	17.0	18.5	16.5	12.5	14.0
18	20.0	15.0	17.0	18.0	16.0	17.0	19.0	15.0	16.5	16.5	12.5	14.0
19	21.0	15.5	18.0	17.5	15.0	16.0	17.5	14.5	16.0	17.0	12.5	14.5
20	20.0	16.5	18.0	18.5	15.0	16.5	16.0	14.5	15.0	18.0	13.5	16.0
21	20.0	14.5	17.0	19.5	14.5	17.0	14.5	13.5	14.0	19.5	15.5	17.0
22	18.0	14.5	16.0	20.5	14.5	17.5	14.5	13.0	14.0	18.5	16.0	17.0
23	18.5	12.5	15.0	17.0	14.5	15.0	16.5	13.5	15.0	18.5	15.5	17.0
24	17.5	12.0	15.0	19.0	14.5	16.5	20.0	15.5	17.5	18.0	14.0	16.0
25	18.5	13.0	16.0	21.0	16.0	18.0	22.5	17.0	19.5	18.5	14.0	16.5
26	21.0	15.0	18.0	21.0	17.0	19.0	20.5	17.5	19.0	20.0	16.0	18.0
27	19.5	16.0	17.5	21.0	17.5	19.0	20.5	16.0	18.0	20.0	17.5	18.5
28	18.5	15.5	17.0	20.5	18.0	19.0	20.5	17.0	18.5	18.5	16.0	17.5
29	18.5	15.5	16.5	20.0	17.0	18.5	21.0	16.5	18.5	17.5	14.5	16.0
30	19.0	13.0	16.0	21.0	16.5	18.5	21.5	17.0	19.0	17.0	13.5	15.0
31	---	---	---	22.5	17.5	20.5	19.0	16.5	18.0	---	---	---
Month	21.5	12.0	16.7	22.5	12.0	17.3	22.5	13.0	17.8	20.0	12.5	16.1

	Max	Min	Mean
Year	22.5	0.0	9.6