01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY

LOCATION.--Lat 41°38'15", long 74°37'04", Sullivan County, 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.

WATER-DISCHARGE 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 (see Reservoirs in Delaware River basin). 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, 7,370 ft^3/s, Sept. 16, 1999, gage height, 13.22 ft; 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, 6,440 ft^3/s, Sept. 18, gage height, 12.58 ft; minimum discharge, 74 ft^3/s, June 10, 11, gage height, 4.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	1,050	380	281	e180	e110	359	164	160	121	178	432
2	216	869	405	253	e180	197	387	155	137	131	188	258
3	189	760	506	449	e170	362	279	377	118	129	154	218
4	203	664	533	839	e170	385	235	303	101	128	212	188
5	427	652	505	1,260	e170	329	198	232	99	133	249	153
6	221	777	514	931	e160	503	170	208	123	142	148	145
7	160	649	489	711	e160	448	156	197	124	119	105	135
8	139	516	428	566	e160	342	134	185	119	122	93	201
9	129	254	398	510	e160	279	126	164	130	120	98	1,030
10	119	208	403	e380	e160	241	125	149	91	128	113	698
11	111	201	2,370	e340	e150	226	122	228	122	128	136	362
12	105	229	2,810	e320	e150	223	119	177	123	132	224	268
13	101	209	1,280	e300	e150	188	279	170	120	156	1,130	222
14	115	200	918	e280	e150	163	415	138	121	147	1,400	184
15	573	183	883	e270	e140	157	272	121	137	154	874	172
16	337	170	682	e260	e140	153	201	109	134	150	662	162
17	231	163	750	e250	e140	147	174	101	237	148	788	167
18	204	159	979	e250	e140	138	161	125	619	174	638	4,370
19	202	286	738	e240	e140	132	155	260	180	241	466	3,310
20	194	1,330	626	e240	e130	127	149	136	153	212	375	1,360
21	182	590	549	e240	e130	174	157	127	108	149	565	877
22	185	454	504	e230	e130	163	152	142	113	133	553	408
23	170	384	477	e220	e130	137	234	143	123	597	248	240
24	161	320	1,890	207	e130	140	252	125	120	1,250	167	198
25	153	337	3,230	195	e120	166	194	101	125	356	167	185
26	148	257	1,500	e190	e120	182	398	133	148	238	149	178
27	997	228	1,040	e190	e120	237	440	206	124	331	133	180
28	1,260	342	829	e190	e120	221	261	149	124	613	140	738
29	2,310	884	695	e190	e120	186	200	128	125	361	142	813
30	2,690	477	458	e180	---	166	185	107	122	222	281	467
31	1,470	---	359	e180	---	252	---	111	---	179	1,100	---
TOTAL	14,014	13,802	28,128	11,142	4,220	6,874	6,689	5,171	4,380	7,344	11,876	18,319
MEAN	452	460	907	359	146	222	223	167	146	237	383	611
MAX	2,690	1,330	3,230	1,260	180	503	440	377	619	1,250	1,400	4,370
MIN	101	159	359	180	120	110	119	101	91	119	93	135

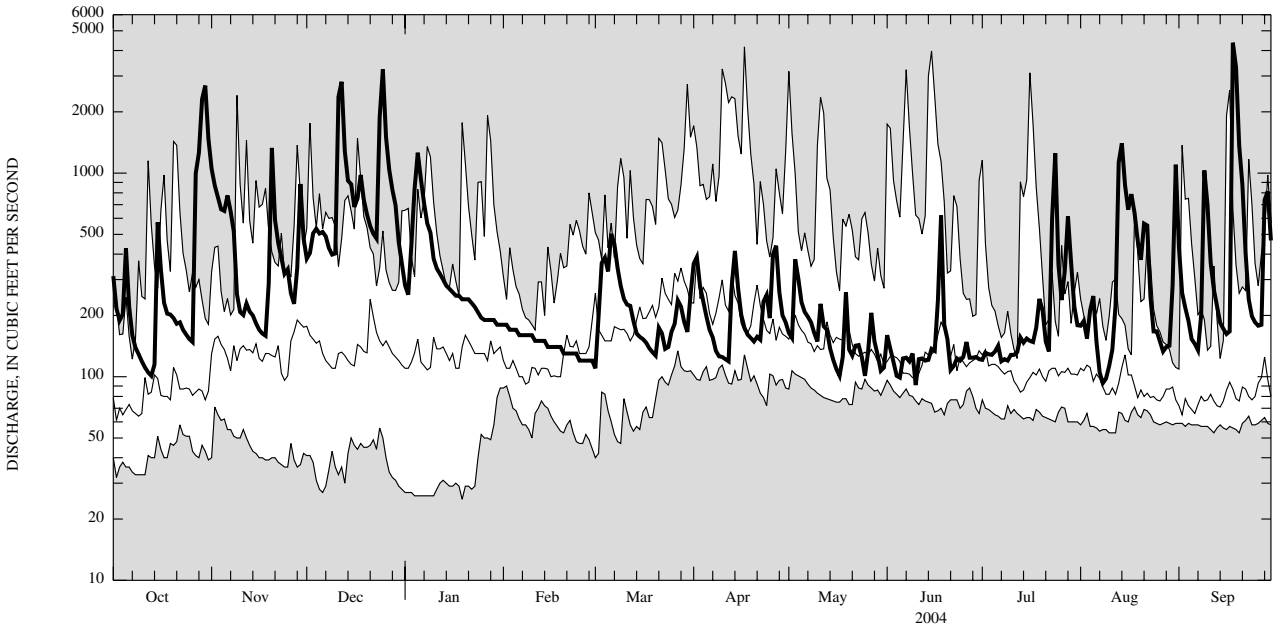
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	152	205	247	209	149	290	395	222	231	155	126	180
MAX	452	460	907	394	262	558	1,022	446	586	335	383	611
(WY)	(2004)	(2004)	(2004)	(1996)	(1996)	(2003)	(1993)	(1998)	(1998)	(2000)	(2004)	(2004)
MIN	47.8	48.1	45.7	36.0	66.7	122	120	109	88.9	84.3	79.0	61.9
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(2001)	(1999)	(2001)	(1993)	(1995)

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	130,713		131,959			
ANNUAL MEAN	358		361		213	
HIGHEST ANNUAL MEAN					361	2004
LOWEST ANNUAL MEAN					112	2002
HIGHEST DAILY MEAN	3,230	Dec 25	4,370	Sep 18	4,370	Sep 18, 2004
LOWEST DAILY MEAN	73	Aug 29	91	Jun 10	25	Jan 19, 2002
ANNUAL SEVEN-DAY MINIMUM	76	Aug 25	112	Jun 4	26	Jan 4, 2002
10 PERCENT EXCEEDS	831		765		421	
50 PERCENT EXCEEDS	163		192		128	
90 PERCENT EXCEEDS	89		122		65	

e Estimated



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 TEMPERATURES: 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 TEMPERATURES: Maximum, 26.5°C, July 15, 1995; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.0°C, Aug. 3; minimum, 0.0°C on many days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.5	11.5	12.5	12.0	10.0	11.0	4.5	3.5	4.0	3.0	1.5	2.0
2	12.0	9.5	11.0	12.0	11.5	11.5	3.5	1.5	2.5	3.0	1.5	2.5
3	11.5	8.5	10.0	13.0	11.0	12.0	2.5	1.0	2.0	4.0	2.5	3.5
4	9.5	9.0	9.5	12.5	11.0	12.0	3.5	2.0	2.5	4.0	3.5	4.0
5	11.5	8.0	10.0	11.0	10.5	11.0	3.5	2.5	3.0	3.5	3.0	3.0
6	11.5	9.0	10.0	11.0	10.5	11.0	3.0	2.0	2.5	3.0	1.0	2.0
7	11.5	8.0	9.5	11.0	10.0	10.5	3.0	2.5	2.5	1.0	0.0	0.5
8	12.5	8.5	10.5	10.0	6.5	8.0	3.0	1.5	2.0	0.5	0.0	0.0
9	14.0	10.0	12.0	6.5	4.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0
10	16.0	12.0	13.5	5.0	3.0	4.0	5.0	3.5	4.5	0.0	0.0	0.0
11	16.0	12.0	13.5	4.5	3.5	4.0	5.0	4.5	5.0	0.0	0.0	0.0
12	15.0	11.5	13.0	7.5	4.5	6.0	5.0	3.5	4.5	0.5	0.0	0.0
13	15.0	11.5	13.0	8.0	5.0	7.0	3.5	3.0	3.5	0.5	0.0	0.0
14	13.5	10.5	12.0	5.0	3.5	4.0	3.0	0.5	2.0	0.0	0.0	0.0
15	13.0	10.0	12.0	4.5	2.5	3.5	3.0	1.0	2.5	0.5	0.0	0.0
16	10.5	9.5	10.0	4.5	2.5	3.5	3.5	2.0	2.5	0.5	0.0	0.0
17	9.5	8.5	9.0	6.0	4.5	5.0	3.5	2.5	3.0	0.5	0.0	0.0
18	10.0	8.0	9.0	7.0	6.0	6.5	3.5	2.5	3.0	0.5	0.0	0.0
19	9.0	7.5	8.5	9.5	7.0	8.0	2.5	1.5	2.0	0.5	0.0	0.0
20	9.5	6.5	8.0	9.5	6.5	8.0	3.0	2.0	2.5	0.5	0.0	0.0
21	11.0	8.0	9.5	7.5	5.5	6.5	2.0	1.0	1.5	0.5	0.0	0.0
22	10.0	8.0	9.0	7.5	6.0	6.5	3.0	1.0	2.0	0.5	0.0	0.0
23	8.0	5.5	6.5	7.0	5.5	6.0	4.5	3.0	3.5	0.5	0.0	0.0
24	7.0	5.0	5.5	7.0	5.5	6.5	3.5	2.5	3.0	0.5	0.0	0.0
25	7.5	4.0	6.0	6.5	4.5	5.5	4.0	3.0	3.5	0.5	0.0	0.0
26	10.0	7.0	8.5	4.5	3.5	4.0	3.5	2.5	3.0	0.0	0.0	0.0
27	11.5	10.0	10.5	5.5	3.5	4.5	3.5	2.5	3.0	0.0	0.0	0.0
28	10.5	9.0	9.5	7.5	5.5	6.5	3.0	2.0	2.5	0.0	0.0	0.0
29	10.5	9.0	9.5	7.5	4.5	6.0	3.5	1.5	2.5	0.0	0.0	0.0
30	11.0	10.0	10.5	4.5	4.0	4.0	3.5	2.5	3.0	0.5	0.0	0.0
31	11.5	9.5	10.5	---	---	---	3.0	2.0	2.5	0.5	0.0	0.0
MONTH	16.0	4.0	10.1	13.0	2.5	6.9	5.0	0.5	2.9	4.0	0.0	0.6

01436690 NEVERSINK RIVER AT BRIDGEVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.5	0.0	0.0	1.5	0.0	0.5	6.0	5.5	5.5	19.0	13.5	16.0
2	0.5	0.0	0.0	1.5	0.0	0.5	5.5	5.0	5.0	17.0	15.5	16.0
3	0.0	0.0	0.0	1.0	0.0	0.5	7.5	5.0	6.0	16.0	11.0	13.5
4	0.0	0.0	0.0	1.0	0.0	0.5	7.0	4.5	6.0	14.0	9.5	11.5
5	0.0	0.0	0.0	2.0	1.0	1.5	6.5	2.5	4.0	11.0	9.5	10.5
6	0.0	0.0	0.0	3.0	2.0	2.0	7.0	1.5	4.0	15.0	8.0	11.5
7	0.0	0.0	0.0	3.5	1.5	2.5	9.0	4.5	6.5	18.0	12.5	15.0
8	0.0	0.0	0.0	3.0	1.5	2.0	8.5	5.5	7.0	16.0	12.5	14.0
9	0.0	0.0	0.0	3.5	1.5	2.0	10.0	5.5	7.5	15.0	11.5	13.0
10	0.5	0.0	0.0	4.5	2.0	3.0	9.5	5.0	7.5	17.5	12.0	15.0
11	0.5	0.0	0.0	5.5	1.5	3.5	9.0	5.5	7.0	20.0	15.0	17.5
12	0.5	0.0	0.0	4.5	2.0	3.5	9.5	6.0	7.5	20.5	16.5	18.5
13	0.5	0.0	0.0	4.0	1.0	2.0	7.5	6.0	6.5	22.5	17.5	20.0
14	0.5	0.0	0.0	2.5	0.5	1.5	7.0	6.0	6.5	21.5	18.0	19.5
15	0.5	0.0	0.0	6.0	2.0	3.5	11.0	5.5	8.0	23.0	17.5	20.0
16	0.5	0.0	0.0	3.5	0.0	2.0	12.0	6.0	9.0	23.0	17.5	20.0
17	0.5	0.0	0.0	2.0	0.0	1.0	13.5	8.0	10.5	21.0	16.0	19.0
18	0.5	0.0	0.0	2.5	0.5	1.5	15.5	10.5	13.0	21.5	18.0	19.5
19	0.0	0.0	0.0	3.5	1.0	2.0	16.5	11.0	14.0	20.0	17.0	18.5
20	0.5	0.0	0.0	5.0	0.0	2.5	17.5	12.5	15.0	20.0	14.5	17.0
21	0.5	0.0	0.0	4.5	2.0	3.5	15.5	12.0	13.5	20.0	17.0	18.5
22	0.5	0.0	0.0	4.0	0.5	1.5	16.5	12.0	14.5	21.5	17.5	19.5
23	0.5	0.0	0.0	3.5	0.0	2.0	15.0	10.5	12.5	22.5	18.5	20.5
24	0.0	0.0	0.0	6.5	1.0	4.0	15.0	10.0	12.0	22.5	18.5	20.5
25	0.5	0.0	0.0	5.5	4.5	5.0	12.0	9.5	10.5	21.5	17.5	19.5
26	0.5	0.0	0.0	8.5	4.0	6.0	9.5	8.5	9.0	19.0	16.0	18.0
27	1.0	0.0	0.5	10.5	6.5	8.0	12.5	8.5	10.5	20.5	15.5	18.0
28	1.0	0.0	0.5	11.0	7.0	8.5	12.5	8.5	10.5	20.5	17.5	19.0
29	1.0	0.0	0.5	10.5	6.0	8.0	16.0	9.0	12.5	19.5	15.0	17.0
30	---	---	---	9.5	5.5	7.5	18.0	12.0	15.0	19.5	13.0	16.0
31	---	---	---	7.5	6.0	6.5	---	---	---	16.5	13.5	14.5
MONTH	1.0	0.0	0.0	11.0	0.0	3.2	18.0	1.5	9.2	23.0	8.0	17.0
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.5	13.0	14.0	20.5	16.0	18.5	23.5	20.5	22.0	20.5	17.5	19.0
2	17.5	13.0	15.5	22.0	16.5	19.0	24.5	20.5	22.5	20.0	16.5	18.0
3	20.5	15.0	17.5	21.0	15.5	18.5	26.0	21.5	23.5	20.5	17.0	18.5
4	21.0	14.5	17.5	20.5	15.5	18.0	24.0	18.5	21.0	21.0	17.5	19.5
5	17.5	14.5	15.5	21.5	17.0	18.5	18.5	16.5	17.5	20.0	17.5	18.5
6	14.5	13.0	14.0	21.5	16.5	18.5	18.0	15.0	16.5	20.5	16.5	18.0
7	19.5	12.5	16.0	21.5	15.5	19.0	18.5	16.0	17.0	21.0	17.5	19.0
8	22.0	16.0	19.0	22.0	18.0	20.0	20.0	15.0	17.5	19.5	18.0	18.5
9	23.5	17.5	20.5	21.5	17.0	19.0	21.5	16.0	18.5	19.5	17.5	18.5
10	20.5	18.0	19.0	20.5	15.5	18.0	20.5	17.0	19.0	20.0	18.0	19.0
11	19.5	16.0	17.5	21.0	15.0	18.0	20.0	17.5	18.5	18.5	17.0	18.0
12	20.0	13.5	16.5	18.5	14.5	16.0	18.5	16.5	17.5	19.0	16.0	17.5
13	17.5	14.5	16.5	15.5	13.5	14.5	19.0	16.5	18.0	20.0	16.5	18.5
14	17.5	15.0	16.0	16.0	14.5	15.0	21.5	16.5	19.5	18.5	17.0	17.5
15	21.5	15.0	18.0	17.5	13.5	15.5	21.5	20.0	20.5	19.0	16.5	17.5
16	20.5	17.0	18.5	18.0	15.0	16.5	20.5	19.5	20.0	20.0	17.5	18.5
17	18.5	16.5	17.0	21.0	15.5	18.0	21.5	18.0	19.5	18.0	17.5	18.0
18	21.0	18.0	19.5	17.5	15.5	16.5	20.0	17.5	19.0	18.0	15.5	17.0
19	22.0	19.0	20.5	18.0	15.0	16.5	18.5	17.0	17.5	18.0	16.5	17.5
20	21.0	16.5	18.5	21.5	16.5	18.5	19.5	16.5	18.5	18.0	15.5	16.5
21	21.0	15.0	18.0	22.0	16.5	19.0	19.0	17.0	18.5	18.0	16.0	17.0
22	19.0	17.5	18.0	22.0	17.0	20.0	18.5	15.0	17.0	18.0	15.0	16.5
23	22.0	16.5	19.0	20.0	17.0	18.5	20.0	15.5	18.0	19.5	15.5	17.5
24	21.0	16.5	19.0	22.0	18.5	20.0	22.0	18.0	19.5	19.5	16.5	18.0
25	19.5	17.0	18.0	21.0	19.0	20.0	19.5	18.5	19.0	18.5	16.5	17.5
26	20.0	16.0	17.5	22.0	18.0	20.0	18.5	17.0	17.5	19.5	16.5	18.0
27	19.0	14.5	17.0	20.0	16.5	18.0	19.5	16.5	18.0	17.5	15.5	16.5
28	17.0	14.5	16.0	19.0	16.0	17.5	21.5	17.0	19.5	16.5	15.5	16.0
29	19.5	13.5	16.5	21.0	17.5	19.5	22.5	18.5	20.5	16.0	15.0	15.5
30	20.5	15.0	17.5	21.5	18.5	20.0	21.5	19.0	20.0	15.5	14.5	15.0
31	---	---	---	23.0	19.5	21.0	21.5	18.5	20.0	---	---	---
MONTH	23.5	12.5	17.4	23.0	13.5	18.2	26.0	15.0	19.1	21.0	14.5	17.7
YEAR	26.0	0.0	10.2									