Water-Data Report 2011

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 and crest-stage gage. 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. Occasional regulation by Pleasure Lake at South Fallsburg. 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, 16,800 ft^3/s, Aug. 28, gage height, 18.02 ft; minimum discharge not determined; minimum gage height, 4.61 ft, Jan. 6.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01436690, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01436690.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,300	171	2,040	151	e100	e520	263	1,010	253	299	149	795
2	922	178	1,390	170	e110	376	267	818	252	247	159	594
3	422	161	767	161	e110	325	241	659	227	1,480	150	457
4	313	269	636	e140	e110	269	255	657	204	2,040	174	411
5	369	409	530	e160	e110	250	310	548	178	1,150	155	570
6	316	290	469	e110	e140	1,080	300	356	172	752	203	1,920
7	244	251	413	e120	e150	2,630	292	304	166	465	567	6,650
8	194	234	383	e110	e140	1,090	269	262	165	414	344	6,010
9	171	231	348	e110	e130	821	238	232	162	392	281	3,110
10	152	208	326	e110	e120	1,010	201	214	166	311	594	1,570
11	142	191	325	e100	e120	4,670	194	202	163	280	331	1,060
12	168	179	460	e110	e120	3,310	191	191	216	238	251	896
13	151	168	738	e100	e120	1,980	240	183	190	219	213	730
14	162	160	486	e100	e130	1,370	224	179	210	209	210	595
15	267	156	383	e100	e150	1,070	186	212	248	204	1,930	526
16	258	154	e303	e91	e140	1,120	248	495	191	196	1,860	476
17	202	486	e277	e88	e140	1,220	1,050	694	213	190	906	380
18	177	339	e253	e90	e160	1,110	744	1,010	208	187	559	345
19	175	249	e235	e130	e250	1,380	557	3,210	179	187	425	317
20	168	217	e224	e150	e220	936	621	2,170	165	184	343	312
21	161	199	e215	e140	e210	724	503	1,350	163	178	309	308
22	155	189	208	e130	e190	609	340	1,000	497	174	306	440
23	146	179	202	e120	e180	550	556	798	1,250	172	266	552
24	150	167	e180	e120	e170	500	544	580	1,110	172	251	992
25	148	161	e180	e120	e260	467	480	383	1,710	193	286	745
26	160	243	e170	e120	e380	424	483	317	1,230	203	311	538
27	239	230	e160	e120	e300	394	1,010	279	547	191	316	445
28	218	193	e160	e110	e380	372	2,560	245	331	162	9,780	2,130
29	179	175	e170	e110	---	356	2,870	231	614	165	5,660	3,490
30	167	189	e160	e110	---	345	1,490	318	390	217	1,810	2,930
31	156	---	e170	e100	---	344	---	275	---	159	1,110	---
Total	10,152	6,626	12,961	3,701	4,840	31,622	17,727	19,382	11,770	11,630	30,209	40,294
Mean	327	221	418	119	173	1,020	591	625	392	375	974	1,343
Max	3,300	486	2,040	170	380	4,670	2,870	3,210	1,710	2,040	9,780	6,650
Min	142	154	160	88	100	250	186	179	162	159	149	308

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	196	228	286	272	209	436	478	240	278	176	201	230
Max	516	581	907	752	716	1,253	1,272	625	849	375	974	1,343
(WY)	(2006)	(2007)	(2004)	(2006)	(2008)	(2008)	(2005)	(2011)	(2006)	(2011)	(2011)	(2011)
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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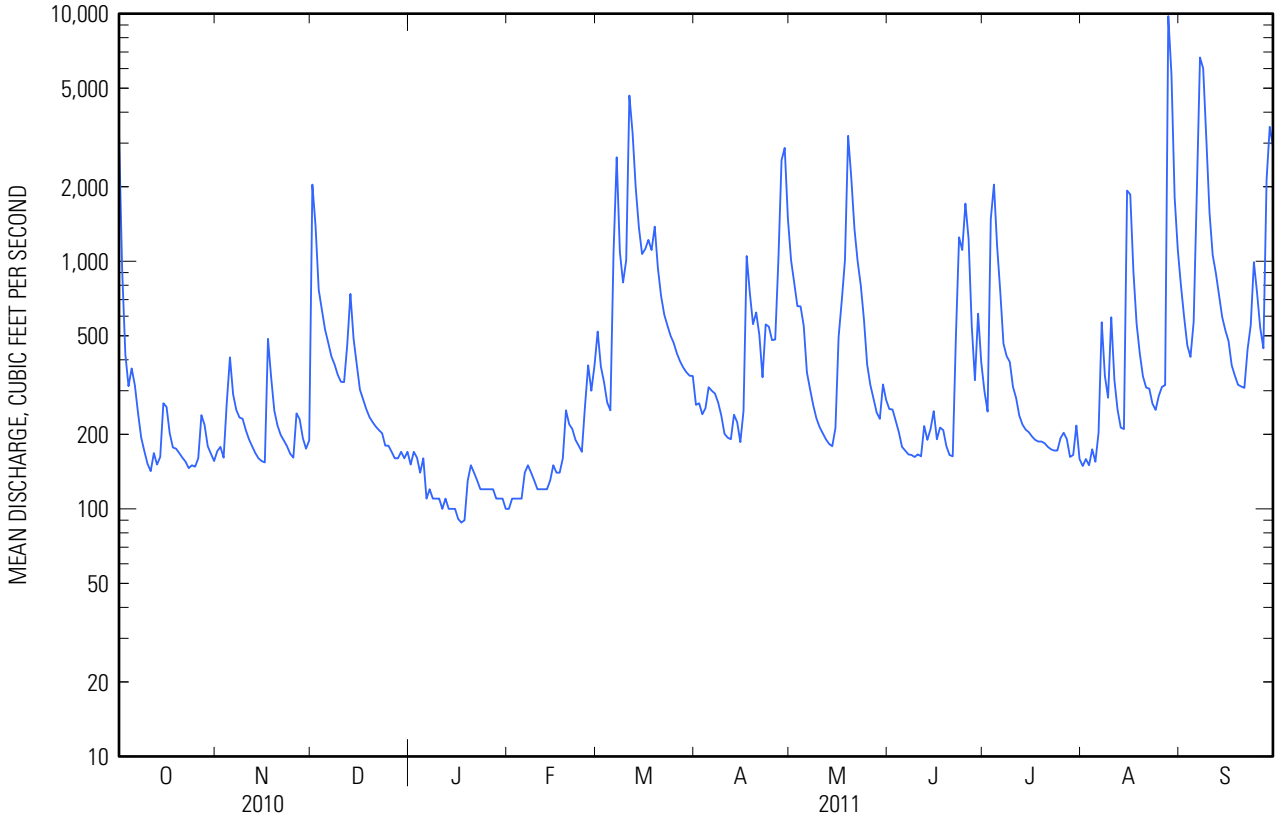
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1992 - 2011	
Annual total	116,057		200,914			
Annual mean	318		550		269	
Highest annual mean					550	2011
Lowest annual mean					112	2002
Highest daily mean	3,630	Mar 31	9,780	Aug 28	15,400	Apr 3, 2005
Lowest daily mean	82	Sep 25	88	Jan 17	25	Jan 19, 2002
Annual seven-day minimum	84	Sep 20	97	Jan 12	26	Jan 4, 2002
10 percent exceeds	553		1,110		523	
50 percent exceeds	176		251		150	
90 percent exceeds	121		140		75	



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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.

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, 25.4°C, July 7, 8, 2010; minimum, -0.1°C on several days during 2010 winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 23.8°C, July 22; minimum, 0.1°C, Jan. 23, 24, Feb.11.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	17.4	15.5	16.3	7.6	5.6	6.4	8.4	5.1	7.1	1.4	0.4	0.7
2	15.8	14.2	14.9	7.3	4.6	5.8	6.8	4.5	5.3	2.8	0.8	1.8
3	14.9	12.6	13.7	7.5	4.7	6.0	4.5	3.8	4.1	2.2	0.3	1.2
4	13.5	12.4	13.0	7.2	5.8	6.5	4.0	3.5	3.7	1.0	0.3	0.4
5	12.5	12.0	12.3	8.1	7.1	7.5	3.6	2.8	3.1	0.9	0.3	0.4
6	14.0	12.4	13.1	7.6	6.2	6.9	3.0	2.2	2.6	0.4	0.3	0.3
7	14.6	12.5	13.3	7.2	5.3	6.1	2.6	1.8	2.2	0.4	0.3	0.3
8	14.6	11.2	12.8	5.3	4.7	4.9	2.2	1.4	1.8	0.4	0.3	0.3
9	14.7	11.7	12.8	6.7	4.4	5.6	1.6	0.7	1.1	0.5	0.2	0.3
10	13.3	9.7	11.5	8.7	6.3	7.2	1.8	0.4	1.0	0.4	0.2	0.2
11	13.1	10.2	11.9	7.6	5.3	6.3	2.9	1.8	2.4	0.3	0.2	0.2
12	15.0	12.5	13.5	6.8	4.2	5.4	3.6	2.7	3.1	0.3	0.2	0.2
13	13.6	10.4	11.9	7.0	4.2	5.5	3.5	1.8	3.0	0.3	0.2	0.2
14	11.1	9.5	10.5	7.1	4.7	5.8	1.8	0.5	1.0	0.2	0.2	0.2
15	11.2	10.3	10.8	7.3	5.8	6.6	0.8	0.3	0.5	0.2	0.2	0.2
16	11.0	9.3	10.1	8.1	6.9	7.4	1.1	0.3	0.5	0.3	0.2	0.2
17	11.1	8.1	9.6	9.2	7.8	8.6	0.9	0.3	0.4	0.3	0.2	0.2
18	10.5	8.5	9.4	7.8	6.6	7.2	1.2	0.3	0.6	0.3	0.2	0.2
19	10.3	8.2	9.3	6.6	4.9	6.1	1.0	0.3	0.5	0.3	0.3	0.3
20	10.3	7.9	9.1	6.2	4.2	5.1	0.8	0.3	0.4	0.3	0.2	0.3
21	10.4	8.3	9.1	5.7	4.2	4.9	1.1	0.3	0.5	0.3	0.2	0.2
22	8.6	6.9	7.9	6.9	4.9	5.9	1.1	0.5	0.8	0.2	0.2	0.2
23	9.0	5.8	7.6	7.4	6.2	6.8	1.0	0.5	0.8	0.2	0.1	0.2
24	10.9	8.7	9.8	6.7	4.4	5.6	1.3	0.3	0.5	0.2	0.1	0.2
25	11.8	9.1	10.6	4.5	3.9	4.3	0.9	0.3	0.5	0.2	0.2	0.2
26	14.0	11.3	12.7	5.6	4.3	4.8	0.7	0.3	0.5	0.3	0.2	0.2
27	14.4	13.0	14.0	4.3	3.0	3.6	0.5	0.3	0.3	0.3	0.2	0.2
28	13.6	11.4	12.4	4.3	2.2	3.0	0.4	0.3	0.3	0.2	0.2	0.2
29	11.5	9.1	10.5	3.7	1.7	2.7	0.5	0.3	0.4	0.3	0.2	0.2
30	9.4	7.8	8.6	5.1	2.5	3.6	0.7	0.3	0.4	0.3	0.2	0.2
31	8.3	6.7	7.7	---	---	---	1.0	0.3	0.5	0.3	0.2	0.2
Month	17.4	5.8	11.3	9.2	1.7	5.7	8.4	0.3	1.6	2.8	0.1	0.3

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	0.2	0.2	0.2	1.6	0.3	1.0	4.2	3.2	3.8	12.2	8.2	10.3
2	0.2	0.2	0.2	2.3	0.4	1.1	6.9	3.0	4.7	10.7	9.2	9.9
3	0.3	0.2	0.2	1.6	0.2	0.6	7.9	3.9	5.7	13.5	9.1	11.4
4	0.3	0.2	0.2	2.4	0.2	1.1	6.6	5.4	5.9	12.8	9.6	10.7
5	0.3	0.2	0.2	3.8	1.6	2.7	6.0	4.6	5.6	12.7	8.6	10.5
6	0.3	0.3	0.3	3.3	0.7	2.5	6.2	3.4	4.9	13.2	8.7	11.1
7	0.3	0.3	0.3	2.0	0.4	1.1	7.1	4.6	5.7	14.1	10.8	12.2
8	0.3	0.2	0.3	2.7	0.3	1.6	6.1	4.5	5.3	12.6	9.7	11.3
9	0.2	0.2	0.2	2.2	1.0	1.8	9.5	3.8	6.5	15.3	9.6	12.2
10	0.2	0.2	0.2	2.3	1.8	2.0	9.1	7.0	8.0	16.7	10.6	13.4
11	0.2	0.1	0.2	2.3	1.0	1.7	13.0	7.8	10.3	17.3	11.5	14.3
12	0.3	0.2	0.2	2.8	1.4	2.0	11.8	8.9	10.4	18.3	12.1	15.1
13	0.3	0.2	0.2	2.9	1.9	2.3	8.9	7.0	7.7	15.2	13.4	14.2
14	0.4	0.3	0.3	3.1	1.9	2.4	12.1	6.7	9.1	13.6	12.0	12.8
15	0.3	0.2	0.3	4.3	1.1	2.7	11.2	8.1	9.6	12.2	11.2	11.8
16	0.3	0.2	0.3	4.5	2.5	3.4	8.7	6.2	7.1	12.2	11.8	12.0
17	0.4	0.3	0.3	5.4	2.6	4.0	9.2	6.1	7.5	12.2	11.8	12.0
18	0.4	0.3	0.4	6.4	3.0	4.7	8.0	5.5	6.9	13.3	12.1	12.6
19	0.4	0.2	0.3	4.8	2.7	3.4	7.2	6.1	6.5	14.6	12.6	13.4
20	0.3	0.2	0.3	4.9	1.6	3.3	7.2	5.7	6.4	15.1	12.8	13.7
21	0.3	0.2	0.3	4.3	2.0	2.7	8.2	6.0	7.0	16.1	12.6	14.3
22	0.3	0.2	0.2	4.3	2.8	3.5	6.6	5.1	6.0	15.0	13.7	14.2
23	0.3	0.2	0.3	4.0	1.8	2.7	6.5	5.6	6.0	13.7	12.7	13.0
24	0.3	0.2	0.3	4.9	1.5	3.0	9.7	6.5	8.3	15.3	12.7	13.9
25	0.3	0.2	0.3	4.1	1.7	3.1	10.3	9.2	9.6	18.1	13.4	15.6
26	0.4	0.2	0.3	4.2	1.2	2.8	14.6	9.6	12.0	19.0	14.9	16.9
27	0.7	0.3	0.4	4.6	1.4	3.0	13.8	11.7	13.1	18.7	16.0	17.2
28	0.7	0.4	0.5	4.6	1.3	3.0	13.6	8.1	11.8	19.9	16.0	17.7
29	---	---	---	5.3	1.9	3.7	9.5	7.3	8.4	19.7	16.3	17.8
30	---	---	---	6.1	2.7	4.5	11.7	8.5	9.9	19.8	16.4	18.0
31	---	---	---	5.7	3.9	4.6	---	---	---	21.7	17.5	19.4
Month	0.7	0.1	0.3	6.4	0.2	2.6	14.6	3.0	7.7	21.7	8.2	13.6

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	21.6	17.9	19.5	18.3	15.2	16.6	22.1	16.9	19.2	19.5	17.2	18.4
2	17.9	14.1	16.2	19.4	14.7	17.0	22.3	16.9	19.2	18.7	17.2	17.9
3	17.1	12.3	14.4	17.4	15.6	16.6	18.4	16.1	17.4	20.2	16.8	18.4
4	14.5	12.6	13.5	21.1	15.8	19.0	18.1	15.4	16.7	19.2	18.2	18.7
5	14.4	12.1	13.3	21.5	18.1	19.8	20.0	15.5	17.5	18.8	17.4	18.1
6	18.1	12.3	15.0	21.6	17.7	19.7	17.4	16.4	16.9	18.3	17.2	17.8
7	20.4	14.2	17.1	20.8	17.8	19.3	20.4	16.2	18.3	17.7	16.7	17.2
8	22.2	15.9	18.8	18.9	16.0	17.0	21.0	17.7	19.3	18.1	16.7	17.4
9	22.5	17.5	19.4	19.0	14.7	16.7	19.7	17.8	18.7	19.7	17.6	18.6
10	21.8	16.6	18.9	18.2	14.7	16.5	20.9	15.8	18.8	20.0	17.7	18.7
11	18.4	14.0	16.4	18.3	15.3	16.8	20.1	17.3	18.5	18.2	17.1	17.7
12	14.6	13.5	14.1	21.0	16.9	18.6	19.9	15.9	17.7	19.4	16.8	18.0
13	14.9	13.1	14.0	19.8	16.4	17.8	18.6	16.1	17.3	19.4	16.6	18.1
14	14.9	12.3	13.6	19.3	14.8	16.7	17.1	16.2	16.7	19.0	16.8	18.0
15	16.9	12.1	14.5	18.8	14.8	16.5	18.0	16.1	17.0	18.3	14.5	16.5
16	17.2	13.9	15.5	19.8	14.8	16.9	18.8	17.3	18.0	15.6	13.1	14.4
17	16.5	14.4	15.3	20.7	15.8	18.1	19.4	16.2	17.8	14.7	12.9	13.8
18	19.1	14.1	16.5	18.5	16.5	17.7	18.3	16.7	17.6	15.0	12.0	13.5
19	20.2	15.4	17.4	19.7	15.9	17.6	18.6	16.3	17.3	14.9	12.1	13.6
20	20.8	14.7	17.6	21.5	16.6	18.8	18.8	15.3	17.1	14.5	13.8	14.2
21	20.3	15.9	17.8	23.1	17.7	20.1	18.5	16.2	17.1	15.5	14.0	14.7
22	17.4	16.1	16.6	23.8	19.0	20.9	17.5	15.5	16.5	16.6	15.2	15.8
23	17.2	16.6	16.9	21.3	17.7	19.1	17.2	14.0	15.6	16.3	15.6	16.0
24	17.6	16.5	17.1	20.3	17.5	18.7	18.5	14.8	16.5	17.7	16.0	16.9
25	19.8	14.0	17.7	17.5	15.2	16.3	16.8	15.9	16.5	18.7	17.0	17.8
26	19.8	17.7	18.7	20.4	14.8	17.5	18.4	14.3	16.6	18.6	16.0	17.4
27	18.7	16.1	17.6	20.7	17.1	18.7	17.9	16.9	17.6	17.9	16.3	17.3
28	18.0	16.1	17.1	20.5	16.7	18.4	20.3	17.5	18.8	17.5	16.3	16.8
29	18.3	15.3	17.0	19.4	16.7	17.7	20.5	19.0	19.6	17.5	16.5	16.9
30	19.4	15.6	17.3	21.6	16.2	18.6	20.5	18.0	19.2	17.2	16.1	16.6
31	---	---	---	22.6	16.9	19.4	19.8	17.5	18.7	---	---	---
Month	22.5	12.1	16.5	23.8	14.7	18.0	22.3	14.0	17.7	20.2	12.0	16.8

	Max	Min	Mean
Year	23.8	0.1	9.4