01436000 NEVERSINK RIVER AT NEVERSINK, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°49′12″, long 74°38′09″ referenced to North American Datum of 1927, Sullivan County, NY, Hydrologic Unit 02040104, on right bank at downstream end of outlet channel, 1,650 ft downstream from Neversink Dam and State Highway 55, 2.0 mi southwest of Neversink, and 2.6 mi upstream from Wynkoop Brook.

DRAINAGE AREA.--92.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1941 to current year.

REVISED RECORDS.--WDR NY-72-1: 1961 (M), 1968 (M). WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,255.24 ft above NGVD of 1929 (levels by Board of Water Supply, City of New York). Prior to Jan. 17, 1953, water-stage recorder at site 650 ft downstream at datum 0.20 ft lower. Jan. 17, 1953 to Apr. 16, 1954, water-stage recorder at present site at datum 0.41 ft higher.

REMARKS.--No estimated daily discharges. Records good. Subsequent to June 1953, entire flow from 92.5 mi^2 of drainage area controlled by Neversink Reservoir (see 01435900). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation release and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge since construction of Neversink Reservoir, 12,300 ft^3/s, Apr. 3, 2005, gage height, 12.99 ft, outside gage height was about 14.8 ft, from floodmark, from rating curve extended above 6,000 ft^3/s; minimum, no flow for all or part of each day Sept. 22-24, Oct. 26-29, 1954.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--Maximum discharge prior to construction of Neversink Reservoir, 22,300 ft^3/s, Nov. 25, 1950, gage height, 11.23 ft, site and datum then in use, from rating curve extended above 2,600 ft^3/s on basis of contracted-opening and critical-depth measurements of peak flow; maximum gage height, 11.65 ft, Sept. 27, 1942, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft^3/s, Aug. 28, gage height, 11.30 ft; minimum discharge, 39 ft^3/s, Oct. 1; minimum gage height, 3.14 ft, Oct. 1, 7, 8, 9.

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 01436000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01436000.2011.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	60	68	69	69	99	63	562	124	107	107	378
2	41	60	88	68	68	98	62	468	141	108	106	294
3	42	61	150	66	67	85	61	352	137	319	107	239
4	42	61	189	67	83	63	62	293	117	1,150	107	234
5	42	61	190	66	104	63	62	176	107	657	107	377
6	43	60	190	67	104	66	63	88	107	422	107	1,170
7	43	60	181	67	105	63	63	88	107	213	107	4,140
8	43	59	190	67	103	134	63	88	107	182	107	2,980
9	42	60	193	65	104	185	63	88	108	182	108	1,590
10	43	60	195	66	104	186	63	88	107	182	107	846
11	43	61	195	67	104	574	64	88	107	154	107	588
12	43	61	196	66	103	1,730	63	88	107	134	107	508
13	53	61	194	66	104	1,030	62	88	107	132	107	410
14	59	62	194	66	103	687	62	88	107	135	107	355
15	57	63	133	67	102	510	63	88	107	135	113	349
16	56	63	106	66	104	511	63	89	107	135	148	304
17	57	62	106	67	86	563	165	89	107	135	172	248
18	58	63	107	67	67	592	290	90	107	135	142	229
19	59	63	107	67	66	869	189	1,370	107	135	137	211
20	61	62	105	67	65	445	186	1,270	107	135	140	206
21	60	63	105	67	63	308	178	782	107	135	140	197
22	59	63	106	67	63	194	79	533	108	135	139	232
23	61	63	105	66	63	182	63	351	109	135	140	290
24	61	61	106	67	63	182	63	123	214	135	168	551
25	61	62	107	67	63	182	64	98	1,160	117	195	413
26	61	63	106	67	63	181	65	99	687	105	195	303
27	61	62	97	67	63	181	73	99	195	106	145	256
28	60	62	105	68	82	180	1,530	98	108	107	4,100	1,060
29	60	63	106	68	---	180	1,580	98	115	107	2,540	2,030
30	60	63	87	68	---	182	888	98	108	105	994	1,660
31	60	---	69	68	---	129	---	98	---	108	540	---
Total	1,642	1,848	4,176	2,074	2,338	10,634	6,415	8,116	5,143	6,182	11,646	22,648
Mean	53.0	61.6	135	66.9	83.5	343	214	262	171	199	376	755
Max	61	63	196	69	105	1,730	1,580	1,370	1,160	1,150	4,100	4,140
Min	41	59	68	65	63	63	61	88	107	105	106	197

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	51.7	33.0	33.3	36.4	33.1	47.6	115	82.2	88.7	79.4	85.5	81.1
Max	279	230	508	344	278	603	674	319	432	293	376	755
(WY)	(1956)	(2007)	(2004)	(2006)	(2008)	(2008)	(2005)	(1956)	(2006)	(1962)	(2011)	(2011)
Min	14.0	4.76	3.17	4.19	4.24	4.58	10.5	14.6	14.9	14.6	14.1	14.1
(WY)	(1974)	(1966)	(1966)	(1971)	(1989)	(1976)	(1965)	(1967)	(1971)	(1967)	(1968)	(1968)

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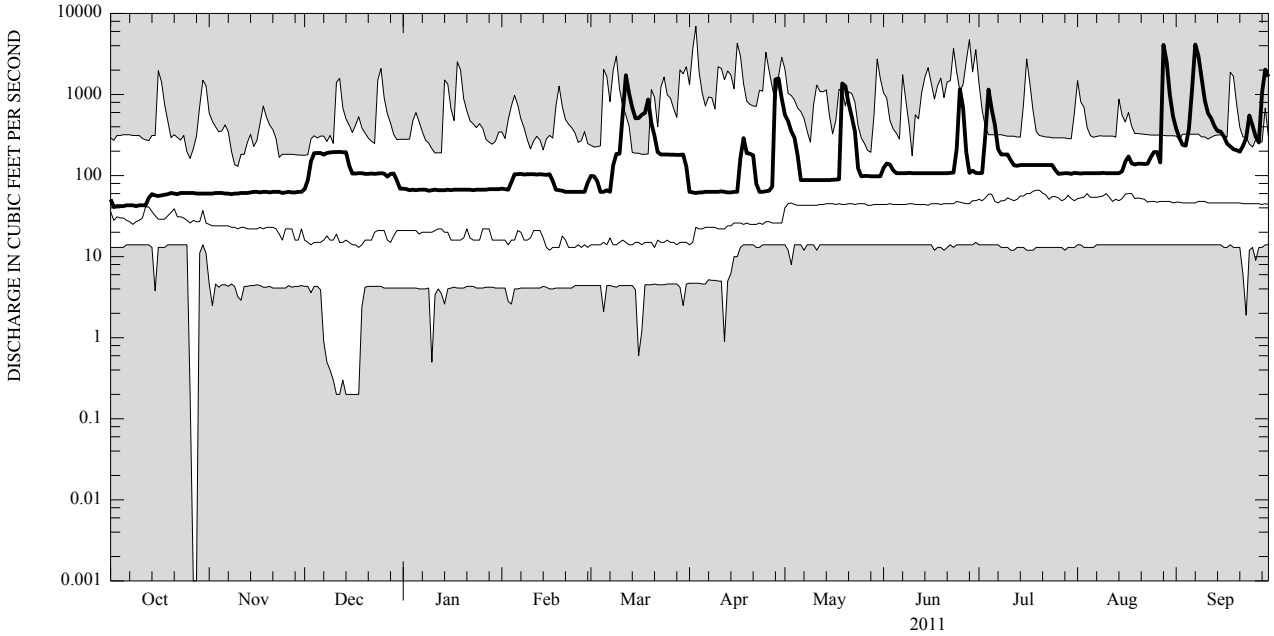
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1954 - 2011	
Annual total	50,461		82,862			
Annual mean	138		227		63.9	
Highest annual mean					227	2011
Lowest annual mean					11.4	1971
Highest daily mean	2,200	Mar 31	4,140	Sep 7	6,920	Apr 3, 2005
Lowest daily mean	41	Oct 2	41	Oct 2	0.00	Oct 27, 1954
Annual seven-day minimum	42	Oct 2	42	Oct 2	0.23	Dec 12, 1958
10 percent exceeds	181		484		117	
50 percent exceeds	95		106		25	
90 percent exceeds	60		61		5.8	



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.
ZERO OR NEGATIVE FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.