Water-Data Report 2012

01436000 NEVERSINK RIVER AT NEVERSINK, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°49′12″, long 74°38′08″ referenced to North American Datum of 1983, 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, 1,910 ft^3/s, Jan. 27, gage height, 5.12 ft; minimum discharge, 36 ft^3/s, Apr. 29, gage height, 3.10 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 01436000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/01436000.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	841	182	186	318	343	183	77	51	140	110	102	94
2	631	183	187	345	354	183	62	56	152	110	102	91
3	527	183	187	306	306	182	48	56	147	111	102	91
4	425	182	187	221	272	183	48	57	118	111	103	91
5	361	183	187	232	254	181	48	57	108	111	104	91
6	306	183	187	225	240	183	48	57	108	111	102	91
7	267	183	189	226	231	183	48	57	108	112	102	91
8	249	186	203	236	202	183	48	58	108	113	102	92
9	237	186	505	188	207	121	48	57	108	113	102	91
10	220	187	553	205	180	73	49	57	108	114	102	91
11	205	183	433	187	180	75	49	57	108	114	102	91
12	196	183	368	197	190	79	49	57	109	113	102	91
13	205	185	327	298	184	80	50	57	109	114	102	91
14	326	187	288	266	179	82	50	57	110	114	102	91
15	485	187	281	225	179	86	50	58	110	114	102	91
16	353	187	353	186	179	86	50	67	110	114	102	91
17	299	185	292	187	179	86	46	110	110	113	102	91
18	251	185	251	251	181	87	45	91	111	114	102	94
19	236	187	230	187	183	87	46	91	111	114	102	91
20	268	187	226	191	180	87	46	91	110	108	102	91
21	274	187	235	187	180	86	46	91	110	105	102	91
22	240	187	356	187	180	87	46	91	111	105	103	91
23	215	188	429	187	180	87	43	91	110	105	103	91
24	204	187	374	189	181	86	41	281	111	105	102	91
25	223	187	298	230	180	87	40	305	110	105	102	91
26	180	187	289	210	182	75	41	402	109	105	103	91
27	183	187	273	997	182	75	39	340	109	102	104	91
28	182	187	691	1,260	181	77	40	291	111	103	103	91
29	179	189	477	621	183	74	39	312	110	105	102	91
30	178	188	372	448	---	76	40	505	111	104	102	91
31	179	---	339	354	---	77	---	283	---	103	102	---
Total	9,125	5,568	9,753	9,547	6,032	3,377	1,420	4,291	3,405	3,395	3,171	2,737
Mean	294	186	315	308	208	109	47.3	138	114	110	102	91.2
Max	841	189	691	1,260	354	183	77	505	152	114	104	94
Min	178	182	186	186	179	73	39	51	108	102	102	91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	55.8	35.6	38.0	41.0	36.2	48.6	114	83.1	89.1	79.9	85.8	81.2
Max	294	230	508	344	278	603	674	319	432	293	376	755
(WY)	(2012)	(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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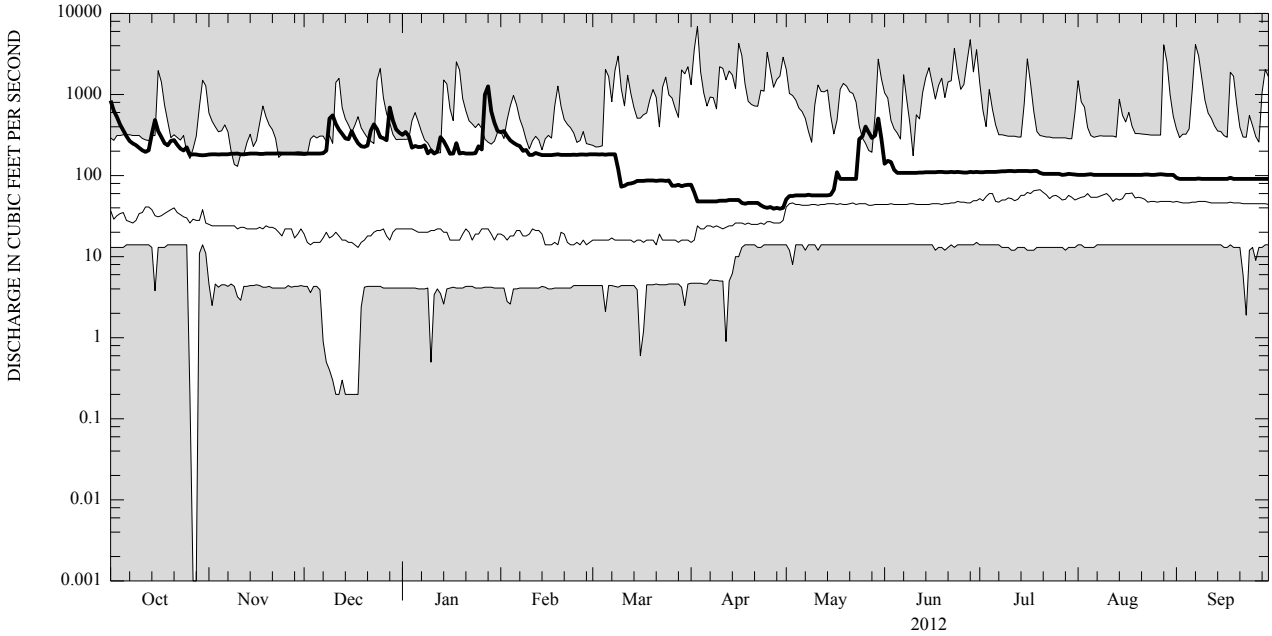
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1954 - 2012	
Annual total	99,642		61,821			
Annual mean	273		169		65.7	
Highest annual mean					227	2011
Lowest annual mean					11.4	1971
Highest daily mean	4,140	Sep 7	1,260	Jan 28	6,920	Apr 3, 2005
Lowest daily mean	61	Apr 3	39	Apr 27	0.00	Oct 27, 1954
Annual seven-day minimum	62	Apr 1	40	Apr 24	0.23	Dec 12, 1958
10 percent exceeds	536		306		122	
50 percent exceeds	154		113		26	
90 percent exceeds	66		57		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.