01446500 DELAWARE RIVER AT BELVIDERE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°49′35″, long 75°04′57″ referenced to North American Datum of 1983, Belvidere Town, Warren County, NJ, Hydrologic Unit 02040105, on left bank at Belvidere, 800 ft downstream from Pequest River, 1,200 ft southeast of Riverton, PA, and at river mile 197.7.

DRAINAGE AREA.--4,535 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1922 to current year.

REVISED RECORDS.--WSP 781:1933(M). WSP 951:1940-41, Drainage area. WSP 1432:1923, 1924(M). WDR US-2006:1904(M).

GAGE.--Water-stage recorder. Datum of gage 226.43 ft above NGVD of 1929. Prior to Jan 1, 1929, nonrecording gage at site 200 ft upstream at same datum.

REMARKS.--Records good. Diurnal fluctuations at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack (see 01431700) and by Pepacton (see 01416900), Cannonsville (see 01424997), Neversink (see 01435900) Reservoirs, and many smaller reservoirs. Diversion from Pepacton (see 01415200), Cannonsville (see 01423900), and Neversink (see 01435800) Reservoirs. US Geological Survey satellite gage-height telemetry and National Weather Service telephone gage-height telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct 10, 1903 reached a stage of 28.6 ft (from floodmark), discharge, 250,000 ft^3/s (from rating curve extended above 170,000 ft^3/s).

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,170	7,920	11,900	17,800	8,380	11,900	14,900	6,940	3,960	2,480	3,820	2,030
2	2,130	6,870	10,000	16,900	10,700	10,500	20,000	6,160	4,050	2,960	3,950	1,990
3	2,110	6,040	9,330	14,900	10,900	9,880	23,000	5,940	4,030	2,830	3,650	1,950
4	2,090	5,300	10,200	12,900	9,970	11,400	20,700	6,050	4,420	2,710	3,030	1,960
5	2,090	4,670	10,000	11,400	9,970	39,400	22,900	6,360	4,400	2,660	3,180	2,030
6	2,090	4,490	8,750	12,300	12,100	84,000	24,500	6,630	4,290	2,520	3,440	2,420
7	2,090	4,560	7,830	12,000	32,800	59,000	21,500	6,010	4,140	2,560	3,460	3,070
8	2,180	4,880	7,040	13,200	39,300	54,100	19,300	5,760	3,690	2,350	3,330	2,620
9	2,320	4,690	6,840	16,300	26,900	85,500	17,200	5,890	3,340	2,610	3,100	2,260
10	3,020	4,400	6,970	23,800	22,100	76,800	15,500	7,110	3,770	2,490	2,930	3,290
11	3,800	4,150	7,360	23,700	18,600	50,100	14,300	7,070	4,910	2,390	2,570	3,360
12	5,570	3,850	7,570	28,700	15,400	36,700	13,800	6,440	4,330	2,280	2,790	3,100
13	7,780	3,850	9,650	26,100	20,700	29,200	13,900	5,860	4,190	2,330	3,320	3,100
14	5,900	4,430	11,600	20,500	36,100	24,600	12,500	5,330	3,630	2,510	3,200	2,600
15	4,230	6,530	10,200	18,000	32,300	22,800	12,000	4,940	3,580	3,080	3,130	2,340
16	3,380	18,700	9,620	16,100	25,500	24,200	10,700	5,200	3,320	4,050	3,150	2,220
17	2,890	19,700	8,660	14,200	21,300	22,800	9,780	7,560	3,390	3,120	3,090	2,300
18	2,540	13,700	8,270	13,400	27,700	20,000	8,980	9,460	3,410	2,660	2,820	2,160
19	2,350	10,900	8,400	12,600	45,600	19,000	7,890	8,640	3,610	2,380	2,560	1,950
20	3,220	9,810	8,320	11,500	40,200	32,900	6,460	8,440	3,750	2,710	2,500	1,870
21	4,200	10,600	9,050	9,970	30,200	48,500	5,750	8,120	3,480	2,370	2,440	1,800
22	4,910	12,000	8,930	8,900	24,700	34,500	5,460	7,550	3,190	2,320	2,490	1,910
23	4,120	10,400	8,390	9,320	21,700	26,700	5,370	7,100	3,030	2,660	2,380	2,180
24	3,450	9,110	19,900	9,200	18,500	22,100	5,620	6,870	3,460	6,520	2,350	2,080
25	3,430	8,140	30,700	8,380	16,300	18,800	5,890	5,770	3,380	22,600	2,400	2,090
26	4,560	8,610	21,500	8,080	15,100	16,600	5,480	5,170	3,370	14,200	2,310	2,610
27	7,390	14,000	17,400	7,900	16,700	15,100	5,010	4,870	3,080	8,510	2,300	3,120
28	17,100	20,500	15,500	7,530	14,600	14,500	4,770	4,890	2,750	6,680	2,220	3,450
29	19,300	16,700	15,700	7,490	12,600	16,100	7,750	4,900	2,700	6,630	2,050	5,000
30	12,600	13,700	18,900	7,490	---	15,300	8,070	4,320	2,610	5,720	2,010	4,150
31	9,640	---	19,100	7,800	---	13,500	---	4,240	---	4,350	2,030	---
Total	154,650	273,200	363,580	428,360	636,920	966,480	368,980	195,590	109,260	136,240	88,000	77,010
Mean	4,989	9,107	11,730	13,820	21,960	31,180	12,300	6,309	3,642	4,395	2,839	2,567
Max	19,300	20,500	30,700	28,700	45,600	85,500	24,500	9,460	4,910	22,600	3,950	5,000
Min	2,090	3,850	6,840	7,490	8,380	9,880	4,770	4,240	2,610	2,280	2,010	1,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,987	7,359	8,725	8,414	8,414	14,020	15,820	9,711	6,270	4,356	3,732	4,106
Max	19,570	21,140	27,730	22,770	21,960	42,520	40,720	21,470	24,110	16,840	19,260	23,400
(WY)	(1956)	(1928)	(1997)	(2006)	(2008)	(1936)	(1940)	(1989)	(2006)	(1928)	(1955)	(2004)
Min	1,055	1,226	1,481	1,683	2,452	4,889	4,512	3,261	1,590	1,017	881	1,199
(WY)	(1942)	(1965)	(1923)	(1981)	(1980)	(2006)	(1985)	(1965)	(1965)	(1965)	(1954)	(1941)

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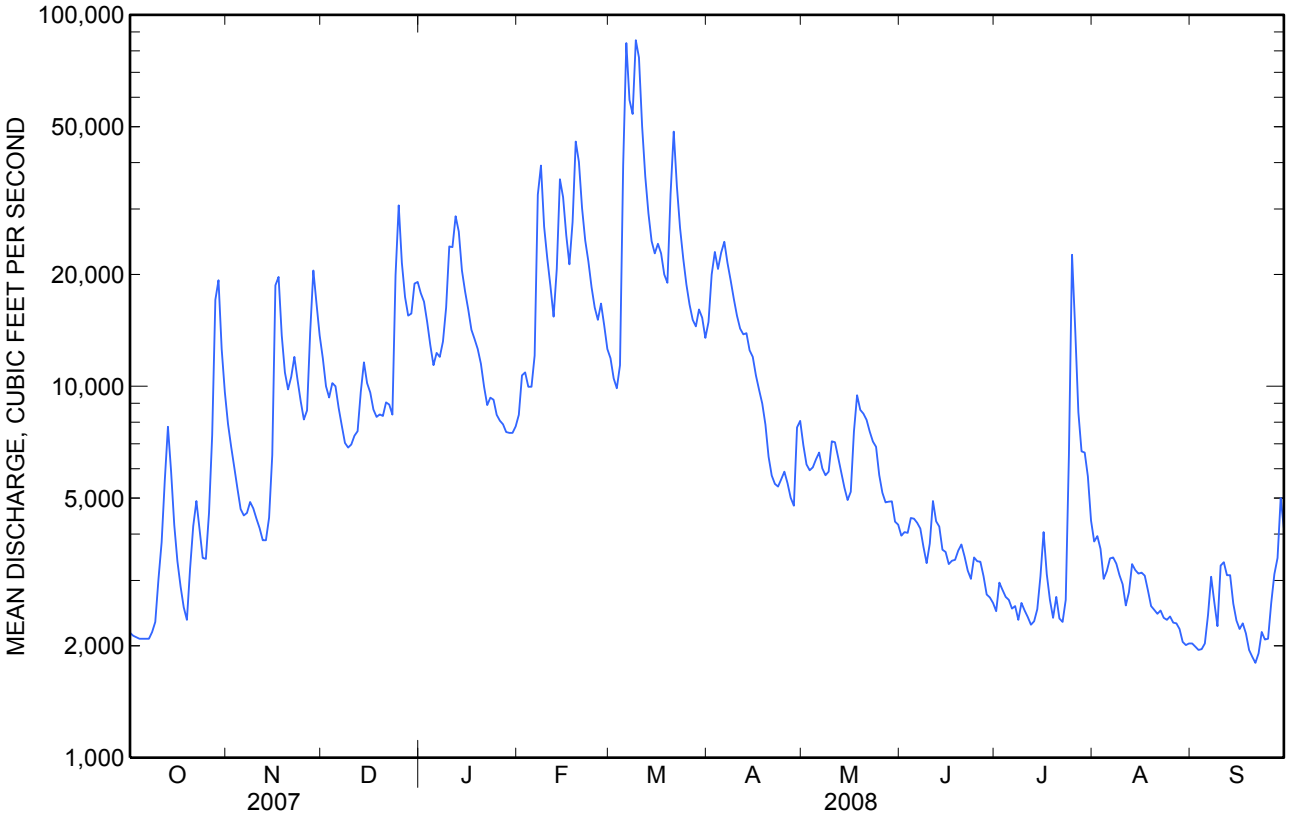
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1923 - 2008	
Annual total	3,120,080		3,798,270			
Annual mean	8,548		10,380		7,986	
Highest annual mean					14,130	1928
Lowest annual mean					2,990	1965
Highest daily mean	85,300	Apr 17	85,500	Mar 9	211,000	Jun 29, 2006
Lowest daily mean	2,020	Sep 30	1,800	Sep 21	610	Aug 25, 1954
Annual seven-day minimum	2,100	Sep 29	1,980	Sep 19	782	Aug 14, 1954
Maximum peak flow			95,700	Mar 9	[a]273,000	Aug 19, 1955
Maximum peak stage			17.07	Mar 9	[b]30.21	Aug 19, 1955
Instantaneous low flow			1,670	Sep 21, 22	609	Sep 28, 1943
10 percent exceeds	19,000		22,700		16,900	
50 percent exceeds	4,890		6,580		5,110	
90 percent exceeds	2,410		2,350		1,990	

[a] From rating curve extended above 170,000 ft³/s on basis of flood-routing study.

[b] From high-water mark in gage house.