

## DELAWARE RIVER BASIN

## 01446500 DELAWARE RIVER AT BELVIDERE, NJ

**LOCATION.**--Lat 40°49'34", long 75°04'57", revised, Warren County, Hydrologic Unit 02040105, on left bank at Belvidere, 800 ft downstream from Pequest River, and at river mile 197.7.

**DRAINAGE AREA.**--4,535 mi<sup>2</sup>.

**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).

**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 lakes Wallenpaupack and Cliff, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, and Neversink Reservoirs and smaller reservoirs. Diversions from Pepacton, Cannonsville, and Neversink Reservoir. Information on the above lakes and reservoirs can be found in the annual Water-Data Report NJ-05-1. U. S. 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, 220,000 ft<sup>3</sup>/s, from rating curve extended above 170,000 ft<sup>3</sup>/s.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24,900	5,090	26,600	10,500	8,090	7,240	48,800	12,200	3,100	3,830	2,130	2,540
2	19,700	4,970	35,300	10,000	7,220	6,950	59,100	11,500	2,860	3,480	2,090	2,290
3	16,900	4,880	29,700	9,530	7,100	6,820	169,000	10,800	2,880	3,080	2,170	2,280
4	14,800	4,960	22,700	10,800	7,260	6,380	191,000	9,930	2,870	2,400	2,140	2,170
5	12,900	5,290	19,300	15,900	7,330	6,050	92,200	9,260	2,790	2,370	2,060	1,780
6	11,700	6,260	16,900	15,700	6,590	5,880	59,000	9,030	2,730	2,180	2,040	1,870
7	9,930	5,440	15,400	15,900	6,460	5,790	43,800	8,590	3,210	2,690	2,120	1,900
8	9,450	4,830	16,300	15,300	6,730	7,210	35,200	7,670	3,340	3,620	2,120	1,870
9	8,690	4,770	17,300	16,100	6,550	8,370	28,500	7,240	3,600	4,500	2,370	2,060
10	7,990	4,650	17,800	15,000	7,690	7,980	23,700	6,680	3,460	4,110	2,570	2,030
11	6,810	4,450	26,000	14,200	10,000	7,080	20,000	6,070	3,570	3,200	2,440	2,060
12	6,300	4,310	31,200	14,100	10,000	7,060	17,200	5,730	3,540	2,880	2,280	2,140
13	5,960	4,810	26,400	13,600	8,060	6,720	15,200	5,270	3,340	3,050	2,560	1,980
14	5,730	4,340	22,400	33,000	6,940	6,630	13,700	4,890	3,360	3,280	2,570	2,030
15	5,450	4,100	18,900	84,000	10,100	6,330	12,600	4,970	3,880	3,010	2,770	2,280
16	5,900	3,960	16,300	56,300	12,500	6,060	11,400	5,150	3,320	3,130	2,750	2,260
17	6,940	4,250	14,600	38,000	15,700	5,950	9,120	5,090	3,180	2,920	2,160	2,220
18	6,950	4,290	13,000	28,500	15,400	5,740	8,160	4,630	3,200	2,440	1,950	1,900
19	6,780	4,300	11,400	20,900	12,800	5,620	7,770	4,420	2,890	2,330	1,990	1,630
20	10,700	4,080	10,700	18,700	10,900	5,540	7,650	3,890	2,650	2,990	1,970	1,820
21	12,400	4,060	8,730	16,500	10,700	5,770	7,360	3,590	2,610	2,760	2,000	1,970
22	9,670	3,920	7,740	12,000	9,990	6,500	6,910	3,390	2,890	2,480	1,960	2,020
23	8,600	4,110	9,270	10,700	9,700	7,150	7,720	3,300	2,910	2,530	1,930	1,980
24	7,950	4,430	18,400	10,600	9,130	8,420	10,600	3,300	2,570	2,470	2,010	2,070
25	7,390	5,260	22,900	10,600	8,250	8,490	15,200	3,330	2,570	2,250	2,030	2,060
26	7,100	6,570	17,900	11,400	7,590	8,230	15,100	3,310	2,470	2,110	1,970	2,090
27	6,890	8,360	15,400	10,300	7,180	7,780	13,400	3,260	2,310	2,420	2,060	2,060
28	6,220	13,600	13,100	8,930	7,190	10,600	14,100	3,230	2,490	2,350	3,370	1,800
29	5,760	41,200	12,100	8,890	---	57,300	14,800	3,380	3,270	2,200	2,780	1,630
30	5,780	34,300	11,400	9,270	---	87,200	13,000	3,440	3,790	2,200	2,340	1,930
31	5,330	---	11,000	9,090	---	58,800	---	3,330	---	2,310	2,250	---
TOTAL	287,570	219,840	556,140	574,310	253,150	397,640	991,290	179,870	91,650	87,570	69,950	60,720
MEAN	9,276	7,328	17,940	18,530	9,041	12,830	33,040	5,802	3,055	2,825	2,256	2,024
MAX	24,900	41,200	35,300	84,000	15,700	87,200	191,000	12,200	3,880	4,500	3,370	2,540
MIN	5,330	3,920	7,740	8,890	6,460	5,540	6,910	3,230	2,310	2,110	1,930	1,630

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2005, BY WATER YEAR (WY)

MEAN	4,787	7,205	8,660	8,121	8,228	13,900	15,860	9,828	6,125	4,287	3,742	4,098
MAX	19,570	21,140	27,730	21,020	19,930	42,520	40,720	21,470	22,280	16,840	19,260	23,400
(WY)	(1956)	(1928)	(1997)	(1996)	(1976)	(1936)	(1940)	(1989)	(1972)	(1928)	(1955)	(2004)
MIN	1,055	1,226	1,481	1,683	2,452	5,243	4,512	3,261	1,590	1,017	881	1,199
(WY)	(1942)	(1965)	(1923)	(1981)	(1980)	(1981)	(1985)	(1965)	(1965)	(1965)	(1954)	(1941)

DELAWARE RIVER BASIN

01446500 DELAWARE RIVER AT BELVIDERE, NJ--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1923 - 2005	
ANNUAL TOTAL	3,794,470		3,769,700		7,896	
ANNUAL MEAN	10,370		10,330		14,130	
HIGHEST ANNUAL MEAN					1928	
LOWEST ANNUAL MEAN					2,990	
HIGHEST DAILY MEAN	167,000	Sep 19	191,000	Apr 4	191,000	Apr 4, 2005
LOWEST DAILY MEAN	2,240	Jul 4	1,630	Sep 19, 29	610	Aug 25, 1954
ANNUAL SEVEN-DAY MINIMUM	2,360	Jul 1	1,910	Sep 18	782	Aug 14, 1954
MAXIMUM PEAK FLOW			226,000	Apr 4	273,000a	Aug 19, 1955
MAXIMUM PEAK STAGE			27.22	Apr 4	30.21b	Aug 19, 1955
INSTANTANEOUS LOW FLOW			1,430	Sep 19	609	Sep 28, 1943
10 PERCENT EXCEEDS	18,300		18,500		16,600	
50 PERCENT EXCEEDS	7,860		6,070		5,050	
90 PERCENT EXCEEDS	3,440		2,120		1,970	

a From rating curve extended above 170,000 ft<sup>3</sup>/s on basis of flood-routing study.

b From high-water mark in gage house.

c Estimated

