

**01434000 DELAWARE RIVER AT PORT JERVIS, NY**

Upper Delaware Basin  
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°22'14", long 74°41'51" referenced to North American Datum of 1983, Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge on U.S. Highways 6 and 209 between Port Jervis, NY and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1904 to current year.

REVISED RECORDS.--WSP 1031: 1905-36. WDR NY-71-1: 1970. WDR NY-82-1: Drainage area. WDR NY-86-1: 1979-80. WDR NY-04-1: 2003.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 415.35 ft above NGVD of 1929. October 1904 to Aug. 13, 1928, non-recording gage at bridge 250 ft upstream at same datum; operated by U.S. Weather Service prior to June 20, 1914.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Prompton and General Edgar Jadwin reservoirs, Lake Wallenpaupack, and Toronto (01433100), Cliff Lake (01433200), and Swinging Bridge reservoirs (01433000) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi<sup>2</sup> of drainage area controlled by Pepacton Reservoir (01416900), and subsequent to October 1963, entire flow from 454 mi<sup>2</sup> of drainage area controlled by Cannonsville Reservoir (01424997). Part of flow from these reservoirs 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. Satellite and telephone gage-height telemeter and National Weather Service telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to current degree of regulation, 233,000 ft<sup>3</sup>/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, outside gage height was 24.16 ft, from floodmark, from rating curve extended above 130,000 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 189,000 ft<sup>3</sup>/s, June 28, 2006, gage height, 21.47 ft, outside gage height was 22.16 ft, from crest-stage gage; maximum gage height, 26.6 ft, Feb. 12, 1981 (ice jam), from floodmarks; minimum observed discharge, 175 ft<sup>3</sup>/s, Sept. 23, 1908, gage height, 0.6 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The U.S. Weather Bureau reported a discharge of 205,000 ft<sup>3</sup>/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft<sup>3</sup>/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43,300 ft<sup>3</sup>/s, May 15, gage height, 10.05 ft; minimum discharge, 1,070 ft<sup>3</sup>/s, Sept. 4, gage height, 2.17 ft.

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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	24,100	6,100	15,500	8,040	7,740	3,020	2,560	2,870	3,420	1,940	2,430	1,820
2	19,900	6,010	11,300	8,090	7,680	3,270	3,050	2,980	4,380	2,120	2,110	1,830
3	18,600	5,770	8,910	7,720	7,580	3,540	3,090	3,460	4,930	1,880	2,130	1,550
4	16,200	5,620	7,810	6,650	6,910	5,190	2,650	4,740	3,900	1,760	1,830	1,330
5	16,100	5,140	7,600	6,310	6,410	5,030	2,360	6,470	4,390	1,820	1,840	1,660
6	14,100	4,560	7,240	6,020	6,000	4,300	2,170	5,020	4,260	1,880	1,910	1,930
7	11,700	4,730	8,620	5,260	5,730	3,890	2,030	4,250	3,710	1,940	1,900	2,160
8	9,540	4,840	26,200	4,820	4,970	4,090	1,900	4,140	3,700	1,910	1,850	2,010
9	8,200	4,610	20,900	4,950	4,720	5,780	1,820	11,100	2,970	2,000	1,660	1,720
10	7,300	4,970	15,700	4,790	4,240	7,870	1,750	11,100	2,740	1,950	1,770	1,550
11	6,230	4,420	13,500	4,420	3,980	6,560	1,940	8,490	2,970	1,740	1,780	1,430
12	5,960	4,360	11,800	4,840	4,020	5,290	1,790	5,880	3,300	1,620	1,660	1,500
13	6,070	3,880	10,500	6,770	3,730	5,080	1,850	4,800	4,450	2,030	1,540	1,760
14	7,690	3,780	9,300	6,770	3,670	5,150	1,650	4,720	5,090	1,570	1,480	1,460
15	12,300	3,930	8,780	5,520	3,650	5,130	1,650	14,100	4,080	1,530	1,580	1,530
16	9,710	4,350	8,710	4,950	3,540	4,720	1,710	35,500	3,080	1,640	1,940	1,290
17	8,130	4,800	8,110	4,950	3,280	4,400	1,550	18,700	2,890	2,040	1,960	1,320
18	7,810	4,940	7,050	5,680	3,220	3,980	1,470	12,300	2,900	1,770	1,850	1,750
19	6,270	4,350	6,820	5,010	3,090	3,840	1,400	7,870	2,610	1,470	1,450	16,400
20	6,470	3,860	6,050	4,690	3,150	3,860	1,350	6,230	2,960	1,710	1,630	9,980
21	7,990	4,300	6,170	4,010	3,180	4,150	1,320	5,990	3,010	1,940	1,420	6,470
22	6,270	4,460	7,560	3,710	2,980	3,860	1,600	5,810	2,700	1,520	1,510	4,990
23	5,490	13,200	9,100	4,130	2,920	3,570	5,510	5,670	2,420	1,510	1,530	4,540
24	5,360	18,000	9,950	5,430	3,060	3,230	8,820	6,120	2,110	1,680	1,470	3,410
25	4,680	11,400	8,240	6,750	3,050	2,680	6,650	5,400	2,120	1,760	1,500	2,700
26	4,350	9,180	7,720	6,180	2,940	2,790	5,340	4,910	1,910	1,610	1,420	2,440
27	4,350	8,110	7,540	8,190	2,800	2,870	4,640	4,140	1,840	2,000	1,440	2,170
28	5,610	8,240	11,800	15,100	2,910	2,560	4,180	3,610	1,770	2,340	1,480	2,270
29	6,050	7,950	11,900	11,800	2,920	2,410	3,520	3,510	1,990	2,510	1,820	4,460
30	6,390	15,800	10,100	9,400	---	2,340	3,250	3,630	1,940	4,320	1,870	4,270
31	6,610	---	8,460	7,710	---	2,320	---	4,130	---	3,190	1,940	---
<b>Total</b>	285,530	195,660	318,940	198,660	124,070	126,770	84,570	227,640	94,540	60,700	53,700	93,700
<b>Mean</b>	9,211	6,522	10,290	6,408	4,278	4,089	2,819	7,343	3,151	1,958	1,732	3,123
<b>Max</b>	24,100	18,000	26,200	15,100	7,740	7,870	8,820	35,500	5,090	4,320	2,430	16,400
<b>Min</b>	4,350	3,780	6,050	3,710	2,800	2,320	1,320	2,870	1,770	1,470	1,420	1,290

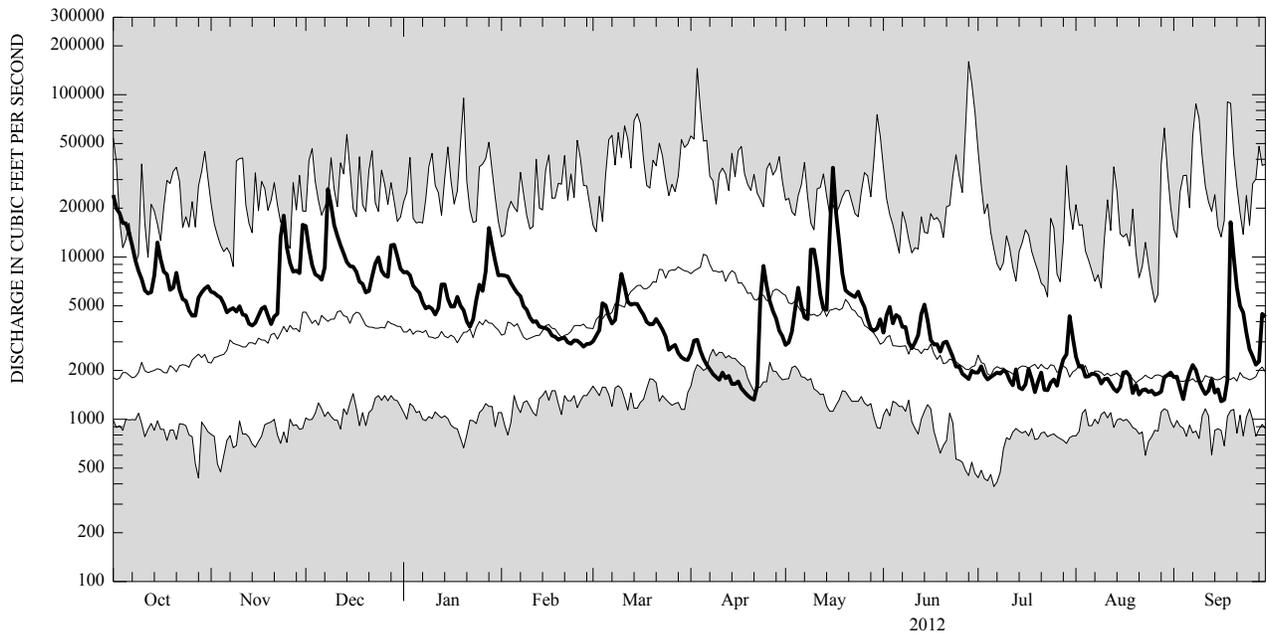
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3,631	4,474	5,773	5,340	5,118	8,554	9,416	5,971	4,328	2,816	2,627	3,242
<b>Max</b>	10,440	11,750	17,280	13,990	13,730	20,420	23,650	12,670	18,220	6,898	9,275	21,840
<b>(WY)</b>	(1978)	(2004)	(1997)	(2006)	(1976)	(2011)	(1993)	(1984)	(2006)	(2006)	(2011)	(2011)
<b>Min</b>	1,001	884	1,475	1,216	1,601	2,583	2,819	1,890	993	699	963	1,144
<b>(WY)</b>	(1965)	(1965)	(1999)	(1981)	(1980)	(1981)	(2012)	(1995)	(1965)	(1965)	(1965)	(1965)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1964 - 2012	
<b>Annual total</b>	3,772,050		1,864,480			
<b>Annual mean</b>	10,330		5,094		5,105	
<b>Highest annual mean</b>					9,901	2011
<b>Lowest annual mean</b>					2,028	1965
<b>Highest daily mean</b>	87,900	Sep 8	35,500	May 16	160,000	Jun 28, 2006
<b>Lowest daily mean</b>	1,730	Jan 16	1,290	Sep 16	385	Jul 6, 1965
<b>Annual seven-day minimum</b>	2,390	Jan 12	1,470	Aug 21	432	Jul 1, 1965
<b>10 percent exceeds</b>	21,000		9,440		10,900	
<b>50 percent exceeds</b>	7,350		4,140		3,050	
<b>90 percent exceeds</b>	2,700		1,650		1,530	



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.