

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

Upper Delaware Basin  
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°22'14", long 74°41'52" referenced to North American Datum of 1927, 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 August 13, 1928, non-recording gage at bridge 250 ft upstream at present datum; operated by U.S. Weather Service prior to June 20, 1914.

REMARKS.--Records good. Flow regulated by Lake Wallenpaupack and by 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, 48,400 ft<sup>3</sup>/s, Dec. 12, gage height, 10.64 ft; minimum discharge, 1,310 ft<sup>3</sup>/s, Oct. 4, 5, gage height, 2.35 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,760	4,550	3,390	10,500	4,430	6,150	5,460	2,050	8,070	6,780	21,000	3,820
2	1,730	4,630	5,820	9,200	4,450	5,280	4,800	2,010	6,810	6,800	15,700	4,040
3	1,660	5,000	5,620	7,990	4,320	4,400	4,970	2,180	6,010	7,100	15,800	3,890
4	1,440	5,090	5,000	7,150	4,660	3,750	8,530	2,190	5,770	6,600	10,900	3,640
5	1,370	4,850	4,600	6,630	4,370	3,900	9,370	2,020	5,550	5,530	9,160	3,180
6	1,570	4,810	4,050	6,790	4,000	4,200	8,050	2,040	4,060	4,990	7,450	2,480
7	1,560	4,520	3,380	7,020	3,150	4,120	7,950	2,620	3,520	4,880	6,700	2,260
8	1,540	4,150	3,420	7,230	2,310	6,330	7,610	2,830	3,440	3,880	5,250	2,270
9	1,640	3,570	3,600	6,750	2,590	23,400	6,750	2,950	5,540	4,180	4,520	2,660
10	1,700	3,470	4,110	5,900	2,850	29,100	5,990	3,470	7,250	3,670	12,900	2,520
11	1,620	3,160	11,000	5,600	2,890	21,200	5,010	3,360	5,650	3,110	22,500	2,520
12	1,650	2,820	37,600	6,170	4,940	19,600	4,270	2,880	6,220	2,950	14,600	2,500
13	1,460	2,730	32,500	6,000	11,900	14,900	3,630	2,960	5,050	3,310	10,900	2,230
14	1,450	2,890	18,000	6,030	9,410	11,800	3,680	2,900	5,530	3,660	9,560	2,250
15	1,600	2,960	13,200	5,740	6,700	9,990	3,940	4,550	6,260	2,970	7,690	2,380
16	1,580	3,400	12,500	5,440	5,590	9,230	4,150	4,580	6,560	2,580	6,530	2,260
17	1,460	4,990	12,000	5,100	4,920	8,670	3,980	11,200	6,320	2,800	5,980	2,260
18	1,530	4,570	10,400	4,610	4,400	8,240	3,780	15,900	10,100	3,260	5,320	2,220
19	1,680	4,020	9,730	4,450	4,250	8,280	3,200	9,900	16,300	3,000	4,900	2,210
20	1,670	3,780	9,640	5,060	4,310	9,070	2,900	7,770	13,200	2,580	4,770	1,780
21	1,610	3,590	9,470	5,000	3,610	7,690	3,110	6,600	20,400	2,500	5,310	1,550
22	1,590	3,140	8,660	4,720	3,310	6,490	4,030	6,020	20,800	2,440	8,730	1,670
23	e1,600	2,410	8,590	4,820	3,380	5,970	3,740	5,050	16,700	2,300	12,300	1,640
24	e1,700	2,580	8,440	4,580	3,360	5,440	3,310	4,310	13,000	2,250	8,960	1,770
25	1,880	3,300	14,400	3,880	3,140	4,450	2,810	4,490	10,400	2,250	6,620	1,750
26	5,080	3,780	15,200	3,920	3,350	4,190	2,610	4,050	9,740	1,950	5,250	1,680
27	7,630	3,390	11,800	4,370	3,410	4,250	2,560	4,340	10,300	1,930	4,600	1,870
28	6,250	3,000	11,700	4,280	4,430	4,400	2,590	5,640	9,370	2,260	4,200	2,360
29	10,000	2,880	16,100	4,390	---	4,600	2,200	6,720	7,930	2,480	3,800	2,670
30	7,370	2,820	14,100	5,090	---	6,060	2,060	12,700	7,110	10,900	4,380	2,370
31	5,490	---	12,100	4,640	---	6,610	---	10,000	---	14,800	4,210	---
<b>Total</b>	81,870	110,850	340,120	179,050	124,430	271,760	137,040	160,280	262,960	130,690	270,490	72,700
<b>Mean</b>	2,641	3,695	10,970	5,776	4,444	8,766	4,568	5,170	8,765	4,216	8,725	2,423
<b>Max</b>	10,000	5,090	37,600	10,500	11,900	29,100	9,370	15,900	20,800	14,800	22,500	4,040
<b>Min</b>	1,370	2,410	3,380	3,880	2,310	3,750	2,060	2,010	3,440	1,930	3,800	1,550

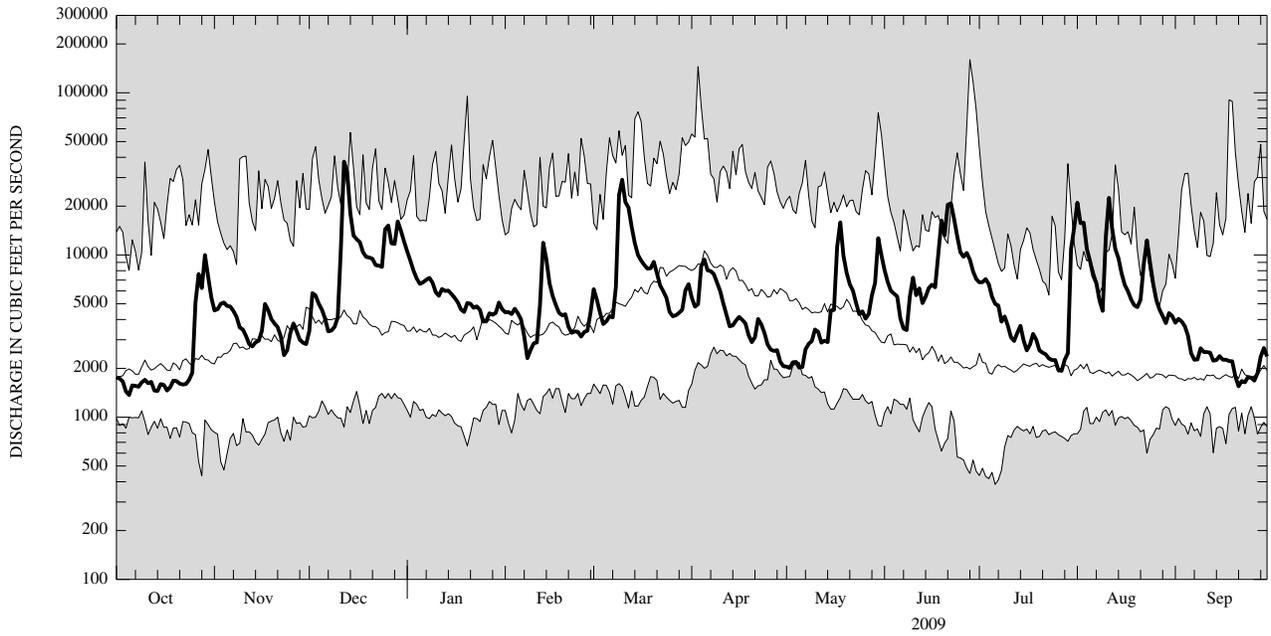
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2009, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3,398	4,438	5,622	5,331	5,195	8,275	9,473	5,865	4,338	2,802	2,510	2,876
<b>Max</b>	10,440	11,750	17,280	13,990	13,730	20,130	23,650	12,670	18,220	6,898	8,725	15,120
<b>(WY)</b>	(1978)	(2004)	(1997)	(2006)	(1976)	(2008)	(1993)	(1984)	(2006)	(2006)	(2009)	(2004)
<b>Min</b>	1,001	884	1,475	1,216	1,601	2,583	2,954	1,890	993	699	963	1,144
<b>(WY)</b>	(1965)	(1965)	(1999)	(1981)	(1980)	(1981)	(1985)	(1995)	(1965)	(1965)	(1965)	(1965)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1964 - 2009	
<b>Annual total</b>	2,477,170		2,142,240			
<b>Annual mean</b>	6,768		5,869		5,006	
<b>Highest annual mean</b>					7,820	2004
<b>Lowest annual mean</b>					2,028	1965
<b>Highest daily mean</b>	58,300	Mar 9	37,600	Dec 12	160,000	Jun 28, 2006
<b>Lowest daily mean</b>	1,170	Sep 20	1,370	Oct 5	385	Jul 6, 1965
<b>Annual seven-day minimum</b>	1,370	Sep 14	1,530	Oct 12	432	Jul 1, 1965
<b>10 percent exceeds</b>	15,600		11,400		10,700	
<b>50 percent exceeds</b>	3,400		4,450		3,000	
<b>90 percent exceeds</b>	1,580		2,020		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.