

DELAWARE RIVER BASIN

01438500 DELAWARE RIVER AT MONTAGUE, NJ

LOCATION.--Lat 41°18'33", long 74°47'44", Pike County, PA, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

DRAINAGE AREA.--3,480 mi².

PERIOD OF RECORD.--March 1936 to September 1939 (gage heights only, published as "at Milford, PA"). October 1939 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WDR-NJ-81-2: 1980.

GAGE.--Water-stage recorder. Datum of gage is 369.93 ft above sea level. Prior to Feb. 9, 1940, nonrecording gage on upstream side of left span of subsequently dismantled bridge at present site at datum 70 ft lower.

REMARKS.-- Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack, Cliff Lake, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, and Neversink Reservoirs. Several measurements of water temperature were made during the year. Satellite telemetry at station. Information on the above lakes and reservoirs can be found in the annual Water Data Report NJ-99-1. Other data for this station were unavailable at press time and will be published in the annual report "Water Resources Data for New Jersey" (NJ-99-3).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1530	1690	1600	e1300	4900	4010	7330	3320	2830	1940	2180	1780
2	1420	1790	1440	e1100	5010	5250	7450	2800	2900	1820	2110	1870
3	1710	1820	1440	e1200	9410	5000	6890	2660	2700	1580	2020	1810
4	1770	1830	1490	e1400	10300	8890	6560	3130	2510	1780	1990	1880
5	1670	1830	1520	e1500	8640	14400	6260	3120	2160	1730	1890	1840
6	1810	1840	1620	e1600	7880	10100	5860	3040	1850	2400	1800	1880
7	1720	1820	1530	e1400	6800	8280	5310	2810	1770	2710	1820	1610
8	2000	1840	1600	e1350	5870	6980	5160	2750	2290	2030	1760	1570
9	2400	1880	1520	e1400	5390	6010	4800	2810	2340	2120	1750	1510
10	3220	1780	1700	e1550	5270	5810	5100	3070	1940	1950	1810	1620
11	2150	1900	1760	e1700	4750	5520	4980	2760	1750	1410	1780	1840
12	1830	1540	1680	e2200	5080	4920	5060	2600	1780	1590	1970	1740
13	1920	1730	1610	e2050	6420	4010	5650	2330	1690	1610	2130	1700
14	1680	2020	1580	e1900	6960	4120	5570	2060	1680	1750	2600	1650
15	1670	1780	1530	e1900	5640	4360	4600	2040	1740	1910	2550	1790
16	1910	1710	1560	e1800	5610	4720	4280	1850	1670	2070	2360	4840
17	1950	1680	1600	e1900	5960	4310	4400	1750	1650	2180	2270	23200
18	1610	1710	1650	e2300	6060	4930	4310	1680	1830	1860	1830	15400
19	1390	1710	1650	e4200	6190	5620	4550	2010	1810	1980	1720	7070
20	1520	1710	1630	e11000	5550	5340	4640	3550	1780	1900	1880	4640
21	1590	1780	1630	e8000	4970	4850	4570	3450	1720	1900	1990	4160
22	1640	1910	1570	e5800	4360	11600	4500	2820	2000	1970	2070	3830
23	1760	1830	1840	e6000	3860	14900	4260	2450	1890	2200	1870	5210
24	1800	1640	2590	e13000	3670	12000	5190	2840	1630	2000	1980	4930
25	1910	1610	1890	e42000	4060	10600	5120	6630	1610	1980	1800	3840
26	1950	1710	e1700	e21000	3980	9600	4700	7690	1760	1880	1880	2830
27	1920	1940	e1550	e13500	3440	8570	4540	5900	1740	1930	1880	2460
28	1980	2320	e1800	e10300	3090	7890	4180	4750	1740	2170	2070	2760
29	1810	1990	e2100	8260	---	8360	3830	3920	1860	2030	1950	2650
30	1760	1560	e1650	6830	---	8490	3620	3440	1850	1940	1760	2790
31	1740	---	e1600	5490	---	8140	---	2990	---	2080	1800	---
TOTAL	56740	53900	51630	184930	159120	227580	153270	99020	58470	60400	61270	116700
MEAN	1830	1797	1665	5965	5683	7341	5109	3194	1949	1948	1976	3890
MAX	3220	2320	2590	42000	10300	14900	7450	7690	2900	2710	2600	23200
MIN	1390	1540	1440	1100	3090	4010	3620	1680	1610	1410	1720	1510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
MEAN	3311	5113	6178	5915	5975	9954	11870	7381	4356	3067	2584	2657	15690	11760	18830	15600	15120	24480	31560	16090	15200	11220	14230	9167	1956	1952	1997	1996	1976	1945	1940	1943	1972	1945	1955	1960	807	995	1665	1318	1748	3191	3322	2215	1214	864	715	892	1942	1965	1999	1981	1980	1981	1985	1965	1965	1954	1954	1941

e Estimated.

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1940 - 1999	
ANNUAL TOTAL	2256690		1283030			
ANNUAL MEAN	6183		3515		5691	
HIGHEST ANNUAL MEAN					8621	1952
LOWEST ANNUAL MEAN					2309	1965
HIGHEST DAILY MEAN	39100	Jan 9	42000	Jan 25	187000	Aug 19 1955
LOWEST DAILY MEAN	1370	Sep 10	1100	Jan 2	412	Aug 23 1954
ANNUAL SEVEN-DAY MINIMUM	1520	Dec 1	1360	Jan 1	565	Jul 1 1965
INSTANTANEOUS PEAK FLOW			61900		Jan 25	250000 ^a
INSTANTANEOUS PEAK STAGE			17.49		Jan 25	35.15
INSTANTANEOUS LOW FLOW			e1100		Jan 2	382
10 PERCENT EXCEEDS	13300		6810		12000	
50 PERCENT EXCEEDS	3570		2000		3420	
90 PERCENT EXCEEDS	1650		1600		1600	

a From rating curve extended above 90,000 ft³/s on basis of flood-routing study.
 e Estimated.

