

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 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. Information on the above lakes and reservoirs can be found in the annual Water Data Report NJ-00-1. Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3310	2050	5650	3430	e3400	19600	8870	7170	7130	4820	4110	2190
2	3750	2760	4830	2680	e3400	16000	7610	6700	6480	4030	4290	2380
3	2640	3880	4310	2790	e3500	14600	7220	6040	5660	3440	4040	2690
4	2590	5170	4000	3400	e3100	12600	8570	5580	4400	3470	4200	2740
5	3870	4660	3950	3890	e3200	11200	15800	5170	4250	3650	3560	2160
6	4350	3920	3790	3900	e2800	10400	14000	4620	7950	3260	2620	2330
7	3590	3160	3990	3420	e3000	9670	12200	3840	24900	2730	3290	2170
8	3190	2920	3850	3070	e3800	9600	10000	3990	20600	2560	4510	2150
9	3000	2740	3390	2620	e3700	11100	10900	4480	15300	2010	3820	2050
10	2880	2560	3160	2900	e3300	13500	12700	4240	12200	1900	3850	2120
11	3660	2460	3040	5500	3090	14800	11900	7800	10100	2250	3450	1940
12	4550	2380	2940	6450	3440	25000	11000	8270	10800	2130	5450	2370
13	3970	2360	2810	5320	2740	27500	10100	10500	11800	2060	10300	2760
14	3710	2180	2810	4770	3000	19800	9280	12100	12900	1860	6260	6240
15	4070	2230	4250	e4200	4790	16000	8410	12300	13300	2260	5140	4950
16	4030	2080	5700	e3300	e7800	13600	7630	10300	11800	5540	4780	4260
17	3190	1940	6050	e3100	8360	16200	7630	9160	10300	8650	4150	3490
18	2850	1880	5080	e3300	7040	17900	10700	8440	9280	6870	3630	2860
19	3030	1800	4470	e3100	6480	14800	16000	9940	9920	4920	3190	3140
20	2970	1750	4010	e3300	5630	12600	13900	15000	9340	3700	2450	3260
21	3100	1800	4990	e3200	5300	11000	12000	14600	8010	3190	2230	3460
22	3170	1770	5490	e3400	4830	9990	17300	13000	8220	2930	2600	2880
23	3420	1750	5110	e2900	4920	9050	18000	14700	8580	2690	2520	2640
24	2940	1750	4500	e2900	5280	8000	17600	18800	7220	2480	2920	1890
25	3180	1770	3620	e3700	6930	6800	15800	27800	5990	2560	3070	1920
26	3270	1940	3910	e3300	11000	5990	13700	22500	5540	2450	2930	2470
27	3060	7130	3710	e3400	17400	6020	12100	17200	7050	4210	2100	2730
28	3100	12900	3730	e3600	28700	8620	11000	13600	6610	4460	1980	2800
29	2810	8910	3530	e3500	30200	13100	9320	11400	5540	3280	2140	2830
30	2690	6780	3320	e2700	---	11700	7870	10000	5430	3010	2090	2660
31	2050	---	3340	e2700	---	10400	---	8440	---	3660	2360	---
TOTAL	101990	101380	127330	109740	200130	407140	349110	327680	286600	107030	114030	84530
MEAN	3290	3379	4107	3540	6901	13130	11640	10570	9553	3453	3678	2818
MAX	4550	12900	6050	6450	30200	27500	18000	27800	24900	8650	10300	6240
MIN	2050	1750	2810	2620	2740	5990	7220	3840	4250	1860	1980	1890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, 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	2000
MEAN	3311	5084	6144	5876	5991	10010	11870	7434	4441	3074	2602	2660	15690	11760	18830	15600	15120	24480	31560	16090	15200	11220	14230	9167	1956	1952	1997	1996	1976	1945	1940	1943	1972	1945	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	1451460		2316690		5702	
ANNUAL MEAN	3977		6330		8621	
HIGHEST ANNUAL MEAN					1952	
LOWEST ANNUAL MEAN					2309	
HIGHEST DAILY MEAN	42000	Jan 25	30200	Feb 29	187000	Aug 19 1955
LOWEST DAILY MEAN	1100	Jan 2	1750	Nov 20	412	Aug 23 1954
ANNUAL SEVEN-DAY MINIMUM	1360	Jan 1	1770	Nov 19	565	Jul 1 1965
INSTANTANEOUS PEAK FLOW			40000	Feb 28	a250000	Aug 19 1955
INSTANTANEOUS PEAK STAGE			14.33	Feb 28	35.15	Aug 19 1955
INSTANTANEOUS LOW FLOW			1630	Nov 25	382	Aug 24 1954
10 PERCENT EXCEEDS	6970		13400		12100	
50 PERCENT EXCEEDS	3030		4030		3440	
90 PERCENT EXCEEDS	1750		2310		1600	

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

