

SUSQUEHANNA RIVER BASIN

01533400 SUSQUEHANNA RIVER AT MESHOPPEN, PA

LOCATION.--Lat 41°36'26", long 76°03'02", Wyoming County, Hydrologic Unit 02050106, on right bank 0.3 mi south of Meshoppen, 0.3 mi downstream from Meshoppen Creek, 2.3 mi upstream from bridge on State Highway 87, and 2.4 mi upstream from Mehoopany Creek.

DRAINAGE AREA.--8,720 mi².

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 599.76 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow slightly regulated by 7 flood-control reservoirs which have a combined capacity of 356,800 acre-ft. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1972 reached a stage of 43.51 ft, from floodmark information by local resident, discharge, about 331,000 ft³/s, from rating curve extended above 220,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 70,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Feb. 29	0630	*124,000	*27.89	Apr. 5	0930	96,500	25.04

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	5920	2150	13800	5990	e5400	91400	22500	15600	14900	8620	4530	2150
2	6450	2120	11800	5770	e5400	74100	19300	14100	13000	7450	4660	2110
3	6210	2690	10200	5540	e5200	55900	18100	13000	11700	6640	5440	2090
4	5620	3820	9330	6300	e5200	41500	52300	12400	10700	6290	5150	2090
5	4980	5600	9060	16700	e5100	33300	93000	11400	10600	6570	4110	2090
6	4090	5140	9510	24400	e5000	28500	74500	10500	10500	6150	3430	2060
7	3870	4100	10300	21500	e4900	24700	57900	9750	11400	5400	3140	2150
8	3750	3400	10300	16500	e4700	21400	41900	9060	12800	4650	2930	2170
9	3490	3050	9450	14100	e4600	20600	58800	8500	14600	4090	2850	2070
10	3290	2810	8540	13100	e4400	20900	62200	9600	12800	3730	3060	1980
11	3270	2670	8100	17600	e4400	22700	50600	27100	10600	3410	4440	1930
12	3180	2600	7980	22700	e4500	29700	40000	29800	9970	3190	6430	1940
13	3210	2710	7630	25100	e5000	34600	33100	32200	16900	3000	5200	2100
14	3250	2820	7490	20900	e5800	31100	28500	41100	22300	2830	3990	2280
15	3240	2760	11800	e16000	e10000	26000	25200	45200	33800	2960	5250	4080
16	3900	2650	18600	e13000	e14000	22500	23400	44100	25000	3580	5330	4600
17	4160	2580	18800	e11000	e15000	25400	22000	34300	22200	7260	4180	3910
18	3840	2550	16800	e9400	e14000	28200	31000	25600	18200	9470	3580	3420
19	3490	2480	14200	e7800	e12000	25800	44800	27600	18700	8010	3290	3120
20	3210	2390	12100	e8200	e10000	22600	35400	45700	21200	6260	3210	2780
21	2980	2430	11800	e8600	e9600	20800	29000	43100	17500	4810	2900	2560
22	2800	2420	12800	e8000	e9100	22800	36000	35300	16100	4170	2670	2380
23	2680	2440	13000	e7400	e9200	22700	43500	35300	19500	3880	2540	2260
24	2550	2530	11400	e7200	e16000	19000	42000	48700	17200	3760	2490	2210
25	2490	2620	9220	e7600	e28000	16900	34500	64600	14100	3430	2460	2170
26	2450	2910	7820	e7000	56000	16200	27900	56500	15200	3240	2490	2240
27	2440	10000	6790	e6600	72500	15600	23300	43500	15000	2960	3000	2420
28	2440	22700	6710	e6200	106000	18100	20900	32200	14000	2770	2970	2480
29	2400	19800	6230	e6000	118000	25000	19300	25200	11800	2900	2630	2400
30	2300	16600	6130	e5800	---	30000	17500	20600	9890	4510	2380	2250
31	2210	---	6300	e5600	---	27300	---	17700	---	5230	2240	---
TOTAL	110160	145540	323990	357600	569000	915300	1128400	889310	472160	151220	112970	74490
MEAN	3554	4851	10450	11540	19620	29530	37610	28690	15740	4878	3644	2483
MAX	6450	22700	18800	25100	118000	91400	93000	64600	33800	9470	6430	4600
MIN	2210	2120	6130	5540	4400	15600	17500	8500	9890	2770	2240	1930
CFSM	.41	.56	1.20	1.32	2.25	3.39	4.31	3.29	1.80	.56	.42	.28
IN.	.47	.62	1.38	1.53	2.43	3.90	4.81	3.79	2.01	.65	.48	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

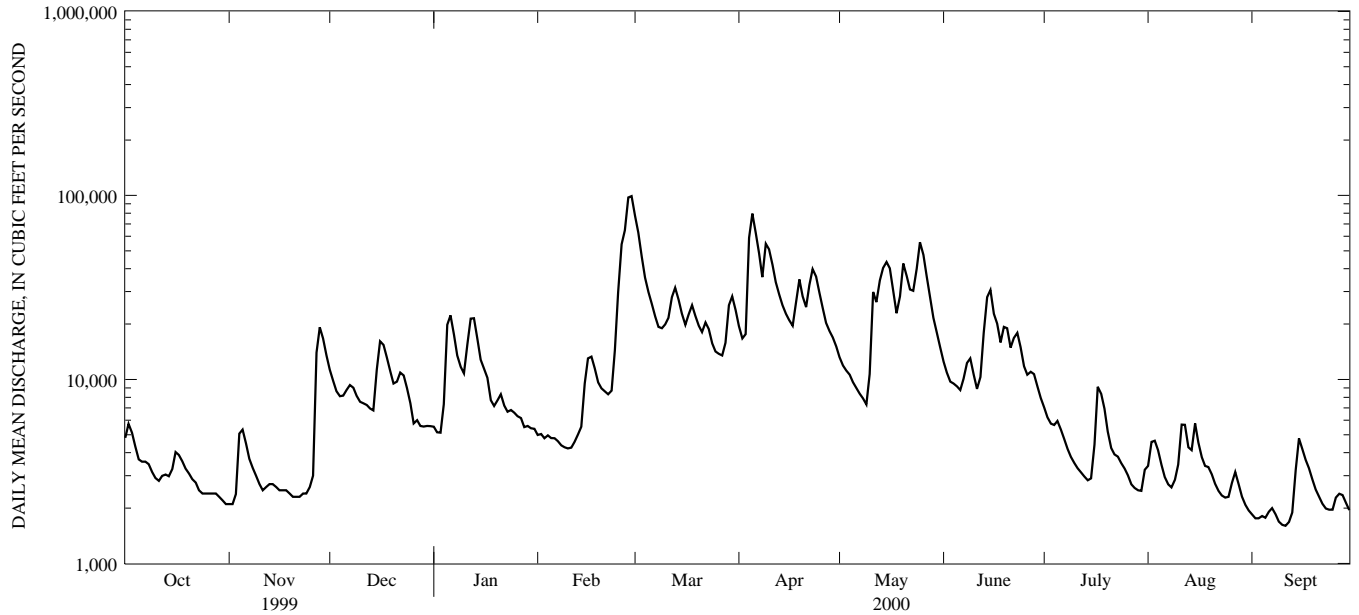
MEAN	7540	11250	13870	13190	14410	25060	28410	14430	7421	4088	3384	3641
MAX	35100	25890	38090	33960	36100	48830	86470	33200	21470	11530	17530	24900
(WY)	1978	1997	1997	1996	1981	1979	1993	1996	1989	1998	1994	1977
MIN	1045	1380	2382	2168	2702	9955	9638	4027	1610	1100	765	882
(WY)	1983	1999	1999	1981	1980	1981	1981	1985	1999	1991	1999	1995

e Estimated.

SUSQUEHANNA RIVER BASIN

01533400 SUSQUEHANNA RIVER AT MESHOPPEN, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	3126527		5250140		12200	
ANNUAL MEAN	8566		14340		18930	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1985	
HIGHEST DAILY MEAN	101000	Jan 25	118000	Feb 29	216000	Jan 20 1996
LOWEST DAILY MEAN	557	Sep 6	1930	Sep 11	557	Aug 31 1995
ANNUAL SEVEN-DAY MINIMUM	612	Sep 2	2040	Sep 6	593	Aug 29 1995
INSTANTANEOUS PEAK FLOW			124000	Feb 29	226000	Jan 20 1996
INSTANTANEOUS PEAK STAGE			27.89	Feb 29	36.34	Jan 20 1996
ANNUAL RUNOFF (CFSM)	.98		1.65		1.40	
ANNUAL RUNOFF (INCHES)	13.34		22.40		19.01	
10 PERCENT EXCEEDS	21300		34000		29100	
50 PERCENT EXCEEDS	3750		7990		6400	
90 PERCENT EXCEEDS	811		2460		1430	



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000