



2005 Water Year
SUSQUEHANNA RIVER BASIN
01533400 Susquehanna River at Meshoppen, PA

Latitude: 41° 36' 26"

Longitude: 076° 03' 02"

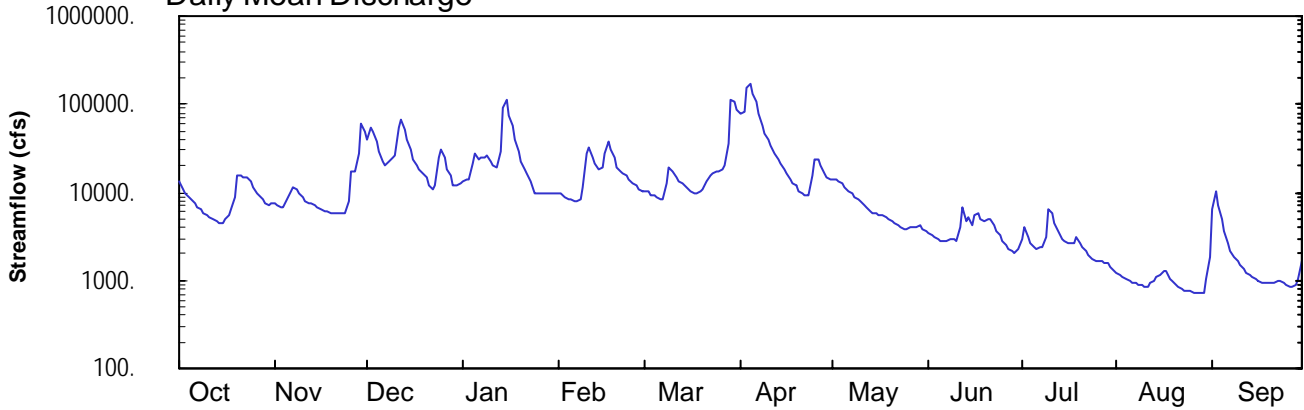
Hydrologic Unit Code: 02050106

Wyoming County

Datum: 599.76 feet

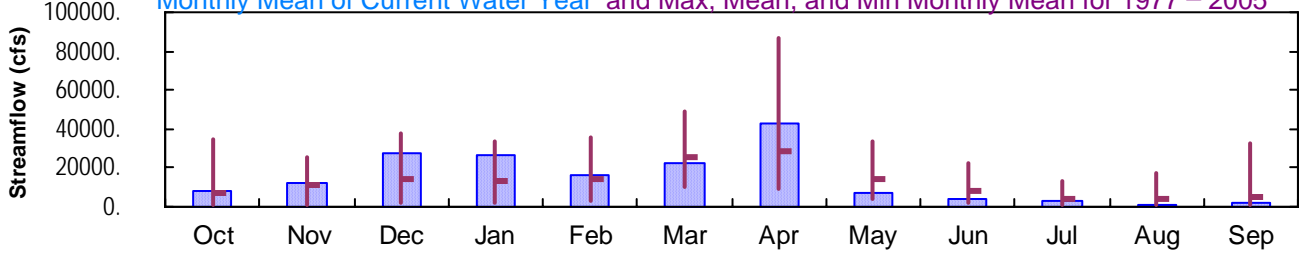
Drainage Area: 8720. mi²

Daily Mean Discharge

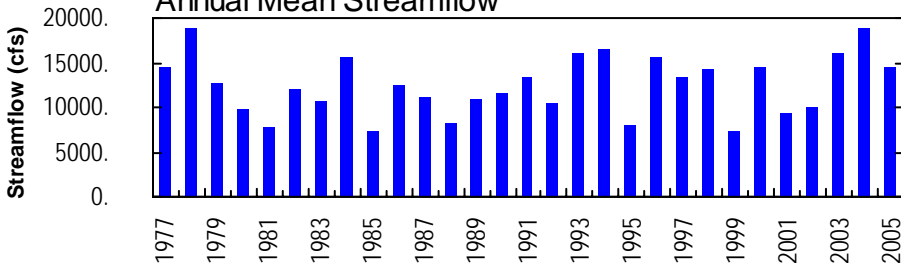


Monthly Statistics

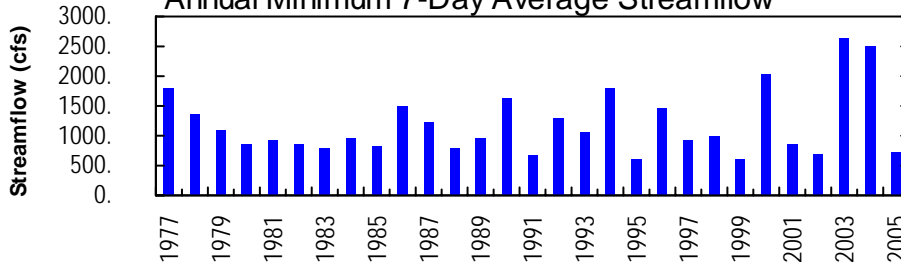
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1977 – 2005



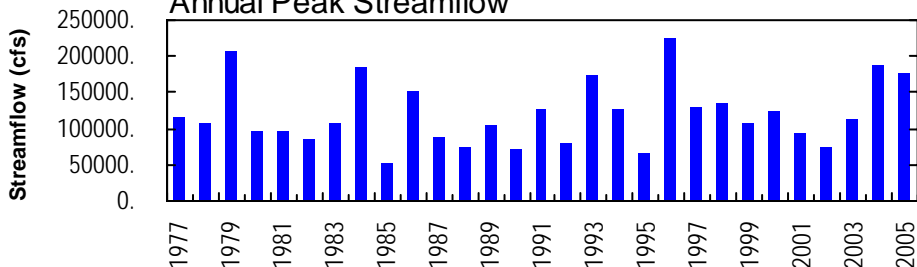
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 National Geodetic Vertical Datum of 1929.

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)
Dec. 12	0730	71,300	22.13	Mar. 29	1500	126,000	28.49
Jan. 15	0445	123,000	28.18	Apr. 4	0730	*175,000	*34.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13100	7700	39000	13600	e9500	10200	79200	13700	3480	2960	1230	6390
2	11000	7010	54100	13800	e9500	10200	83900	13800	3240	3930	1150	10200
3	9750	6650	48000	13900	e9000	9470	154000	13300	3120	3160	1100	7250
4	8980	6870	37600	21100	e8500	9190	168000	12500	2990	2690	1060	5080
5	8280	8340	28400	27100	8400	8620	132000	11300	2820	2370	993	3550
6	7610	10400	22900	23900	8110	8230	105000	10300	2730	2270	959	2660
7	6940	11200	20500	24800	8070	8280	76800	9510	2740	2340	925	2150
8	6320	10700	22700	24300	8330	12500	58000	8860	2990	2330	897	1830
9	5840	9710	24600	25900	11600	19300	47600	8160	3000	3090	869	1620
10	5490	8690	26500	22400	27000	17200	40100	7720	2860	6530	835	1470
11	5180	7990	53700	19900	32600	15100	33500	7250	4040	5710	837	1340
12	4900	7670	68200	18900	25300	13000	27500	6760	6910	4580	923	1220
13	4650	7470	51900	28800	21000	12400	23700	6130	4650	3580	990	1150
14	4560	7180	39200	93400	17700	11900	21000	5780	5090	2950	1080	1070
15	4530	6820	30500	113000	18700	10900	18600	5660	4220	2830	1150	1020
16	4930	6380	24100	75000	27600	10100	16600	5530	5620	2710	1300	978
17	5450	6120	20500	56000	37400	9770	14100	5510	5760	2590	1300	960
18	6540	5950	18400	39100	31100	9840	12800	5300	4910	2670	1040	952
19	8870	5840	16500	29300	24400	10400	11800	5040	4700	3140	971	923
20	15200	5720	14600	22100	19400	11000	10300	4700	5040	2690	910	923
21	15900	5660	e12000	e18000	17200	13500	9560	4380	4850	2330	856	938
22	14400	5670	11100	e16000	16100	15900	9390	4150	4260	2110	807	981
23	14900	5660	11900	e13000	15300	16600	9300	3980	3660	1930	769	973
24	13400	5640	24900	e10000	14200	17600	15300	3890	3300	1770	753	933
25	11500	7770	31000	e10000	12700	17100	23900	3890	2750	1700	747	885
26	9980	16900	24200	e9900	11700	18300	23900	4020	2510	1630	729	849
27	9020	17500	18600	e9800	10700	20200	19800	4040	2310	1620	715	857
28	8230	27400	15200	e9700	10200	36700	16600	4110	2210	1610	717	878
29	7600	60900	12300	e9600	---	115000	14900	4200	2080	1540	709	1020
30	7200	48000	12100	e9600	---	107000	14100	3910	2230	1400	1020	1680
31	7490	---	12900	e9500	---	86300	---	3710	---	1300	1860	---
TOTAL	267740	355510	848100	831400	471310	691800	1291250	211090	111070	84060	30201	62730
MEAN	8637	11850	27360	26820	16830	22320	43040	6809	3702	2712	974	2091
MAX	15900	60900	68200	113000	37400	115000	168000	13800	6910	6530	1860	10200
MIN	4530	5640	11100	9500	8070	8230	9300	3710	2080	1300	709	849
CFSM	0.99	1.36	3.14	3.08	1.93	2.56	4.94	0.78	0.42	0.31	0.11	0.24
IN.	1.14	1.52	3.62	3.55	2.01	2.95	5.51	0.90	0.47	0.36	0.13	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	7509	11150	14630	13120	14070	25150	28660	14270	8276	4465	3829	4753
MAX	35100	25890	38090	33960	36100	48830	86470	33200	22140	13480	17530	32460
(WY)	1978	1997	1997	1996	1981	1979	1993	1996	2003	2004	1994	2004
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	6389970		5256261			
ANNUAL MEAN	17460		14400		12470	
HIGHEST ANNUAL MEAN					18930	1978
LOWEST ANNUAL MEAN					7230	1985
HIGHEST DAILY MEAN	160000	Sep 19	168000	Apr 4	216000	Jan 20 1996
LOWEST DAILY MEAN	2250	Jul 7	709	Aug 29	557	Aug 31 1995
ANNUAL SEVEN-DAY MINIMUM	2500	Jul 2	734	Aug 23	593	Aug 29 1995
MAXIMUM PEAK FLOW			175000	Apr 4	226000	Jan 20 1996
MAXIMUM PEAK STAGE			34.06	Apr 4	36.34	Jan 20 1996
ANNUAL RUNOFF (CFSM)	2.00		1.65		1.43	
ANNUAL RUNOFF (INCHES)	27.26		22.42		19.43	
10 PERCENT EXCEEDS	35500		29000		29200	
50 PERCENT EXCEEDS	12900		8230		6740	
90 PERCENT EXCEEDS	5200		1030		1450	

