

SUSQUEHANNA RIVER BASIN

01540500 SUSQUEHANNA RIVER AT DANVILLE, PA

LOCATION.--Lat 40°57'29", long 76°37'10", Montour County, Hydrologic Unit 02050107, on right bank 200 ft upstream from Mill Street bridge on State Highway 54 at Danville, and 0.8 mi upstream from Mahoning Creek.

DRAINAGE AREA.--11,220 mi².

PERIOD OF RECORD.--March 1899 to current year. Prior to April 1905 monthly discharge only, published in WSP 1302.

REVISED RECORDS.--WSP 756: Drainage area. WSP 1302: 1904, 1914-17, 1923. WSP 1432: 1900-03, 1905-06, 1908-10, 1912-13, 1933.

GAGE.--Water-stage recorder. Datum of gage is 431.29 ft above sea level. Prior to June 29, 1939, nonrecording gage at or near Mill Street bridge at same datum. Since Oct. 1, 1971, water-stage recorder for Susquehanna River at Sunbury (station 01553990), used as an auxiliary gage.

REMARKS.--Records poor. Flow slightly regulated by 8 flood-control reservoirs which have a combined capacity of 368,800 acre-ft. Satellite telemetry at station. Bridge construction caused backwater at the streamgage October 1 to September 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1865, reached a stage of 28 ft, discharge not determined.

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	9160	3950	19300	9120	7100	124000	33000	21700	21700	14200	16100	3880
2	9550	3830	16500	8930	8110	100000	28500	19800	18700	12600	14700	4520
3	9150	4990	15000	8750	7910	82300	25200	18100	16700	11300	14900	4390
4	9160	7320	13800	8640	7520	61800	26000	16700	15300	10400	12800	3740
5	9930	7480	12900	9290	6950	47200	68100	15900	14200	9730	10900	3630
6	9310	8700	12400	16000	7160	38900	95000	15000	18300	9490	9080	3290
7	7780	8870	12400	24600	7330	33800	78600	14000	22500	9240	8760	3130
8	6900	7740	12600	23300	7040	30000	61200	13200	20200	8340	8380	3000
9	6540	6710	13000	19400	6940	27000	56200	12500	18900	7530	7490	3110
10	6630	6040	12500	17500	6820	25900	76600	12000	19300	6790	6610	3150
11	7220	5650	11700	19100	6380	26100	72200	14200	17300	6270	6190	2970
12	7020	5250	11100	23100	6570	33200	59100	30200	17600	5730	6580	2830
13	6490	4970	10700	26300	6700	41700	47300	31800	23100	5260	8650	3650
14	6340	4830	11100	27800	8630	42600	39700	35700	24900	4950	8660	4860
15	6810	4940	14700	24300	13500	38000	34800	43000	30700	5130	7240	4870
16	7100	4930	16700	20700	15300	32700	31400	46100	37300	6850	6590	4740
17	6820	4760	22700	19300	18900	32100	29600	44000	30100	6740	8030	6890
18	7370	4580	23400	16600	20000	36300	29900	35000	27000	7870	6950	6250
19	7080	4400	21300	11900	19800	36200	40900	28700	23400	11700	6010	6420
20	6630	4330	19300	10800	17900	32900	49600	34800	23300	10600	5450	6060
21	6240	4270	17600	10300	16400	30600	40900	49000	25100	9100	5110	5530
22	5870	4170	16700	11100	15700	37400	38300	45100	25500	7570	4840	4900
23	5530	4140	17000	9790	15600	35000	45300	40800	22400	6520	4520	4380
24	5310	4070	17000	9930	16300	31700	50500	44400	24000	5960	4480	4040
25	5030	4210	15800	9180	18900	27100	46400	65300	21300	5640	4320	3830
26	4740	4630	13400	9400	43000	24300	38500	73500	18400	5310	3950	3700
27	4590	6050	12500	8780	69100	22900	32400	61200	19600	4950	4000	3690
28	4460	13100	10100	8920	94600	24900	28200	46800	20000	4700	4010	3770
29	4380	26100	8720	7760	127000	30100	25800	36000	18400	4610	4700	4070
30	4310	22500	9350	6700	---	33900	23800	29400	16500	4610	4500	4130
31	4150	---	8770	6230	---	36500	---	24800	---	12200	4020	---
TOTAL	207600	207510	450040	443520	623160	1257100	1353000	1018700	651700	241890	228520	127420
MEAN	6697	6917	14520	14310	21490	40550	45100	32860	21720	7803	7372	4247
MAX	9930	26100	23400	27800	127000	124000	95000	73500	37300	14200	16100	6890
MIN	4150	3830	8720	6230	6380	22900	23800	12000	14200	4610	3950	2830
CFSM	.60	.62	1.29	1.28	1.92	3.61	4.02	2.93	1.94	.70	.66	.38
IN.	.69	.69	1.49	1.47	2.07	4.17	4.49	3.38	2.16	.80	.76	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2000, BY WATER YEAR (WY)

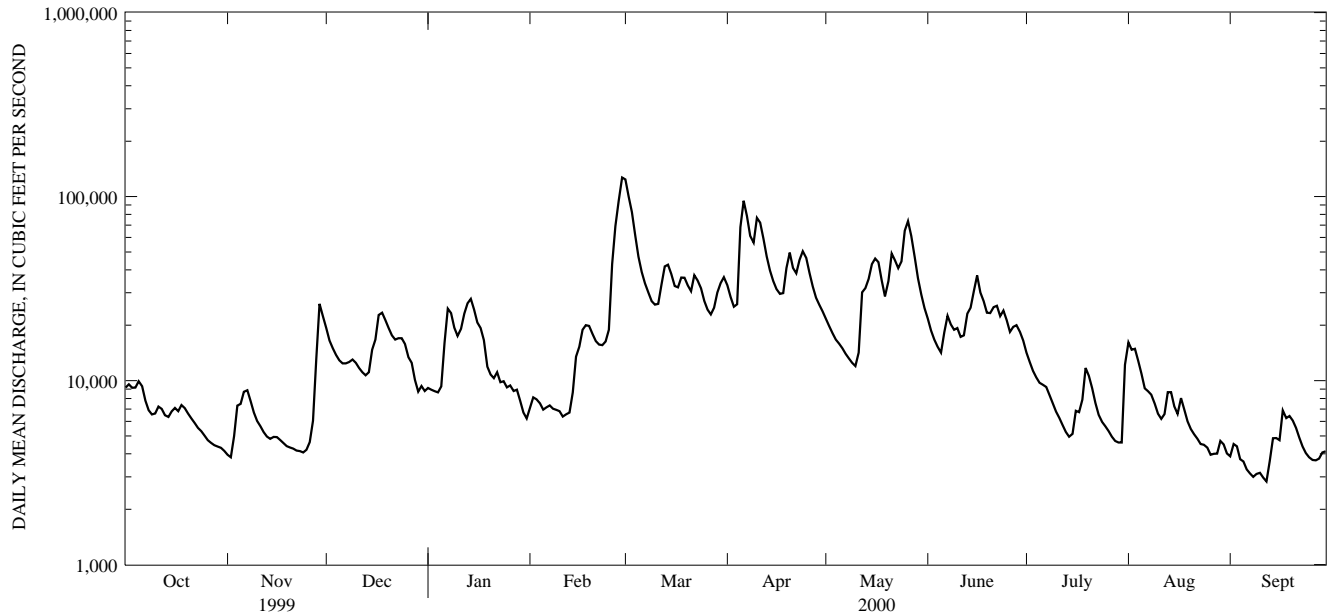
MEAN	7752	12880	16000	16250	16900	32760	35100	19470	10600	6312	4630	5078
MAX	43890	38540	49410	44410	46420	91900	106900	44980	62370	28490	23110	30900
(WY)	1978	1927	1997	1996	1976	1936	1993	1943	1972	1915	1915	1975
MIN	868	852	1602	1853	2841	11740	7664	5643	2427	1308	1087	740
(WY)	1965	1965	1909	1931	1920	1965	1946	1941	1999	1965	1999	1964

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1905 - 2000	
ANNUAL TOTAL	4210020		6810160			
ANNUAL MEAN	11530		18610		15300	
HIGHEST ANNUAL MEAN					24670	
LOWEST ANNUAL MEAN					6948	
HIGHEST DAILY MEAN	e110000 Jan 26		127000 Feb 29		335000 Jun 25 1972	
LOWEST DAILY MEAN	e840 Sep 4,5		2830 Sep 12		558 Sep 24 1964	
ANNUAL SEVEN-DAY MINIMUM	a869 Aug 31		3070 Sep 6		579 Sep 21 1964	
INSTANTANEOUS PEAK FLOW			132000 Feb 29		b363000 Jun 25 1972	
INSTANTANEOUS PEAK STAGE			19.24 Feb 29		c32.32 Jun 24 1972	
INSTANTANEOUS LOW FLOW					508 Sep 27 1964	
ANNUAL RUNOFF (CFSM)	1.03		1.66		1.36	
ANNUAL RUNOFF (INCHES)	13.96		22.58		18.53	
10 PERCENT EXCEEDS	28000		40800		36100	
50 PERCENT EXCEEDS	6810		12000		8460	
90 PERCENT EXCEEDS	1100		4400		2100	

- a Computed using estimated daily discharges.
- b From rating curve extended above 250,000 ft³/s.
- c Backwater from West Branch Susquehanna River.
- e Estimated.



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