



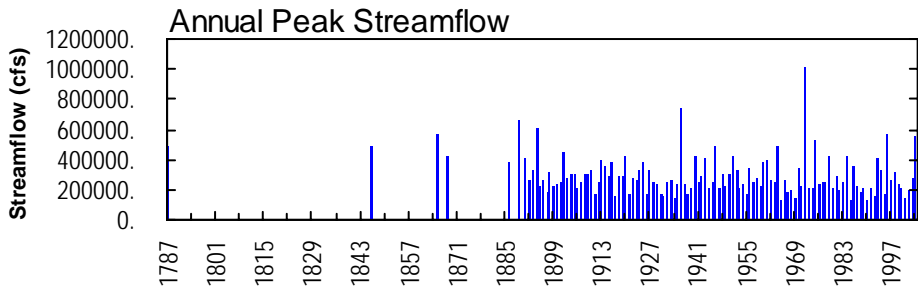
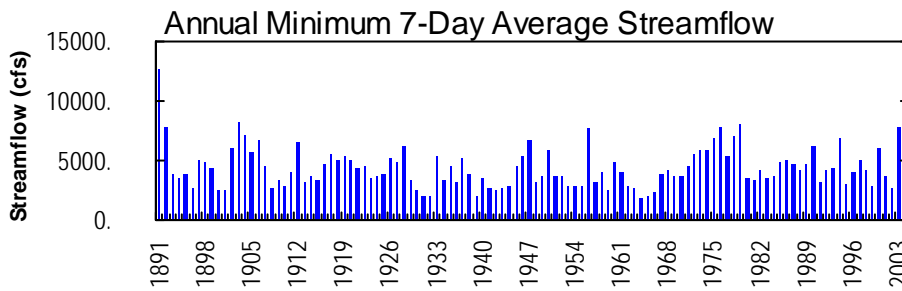
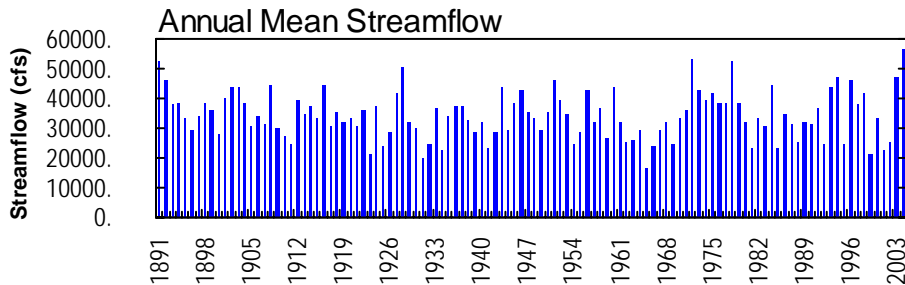
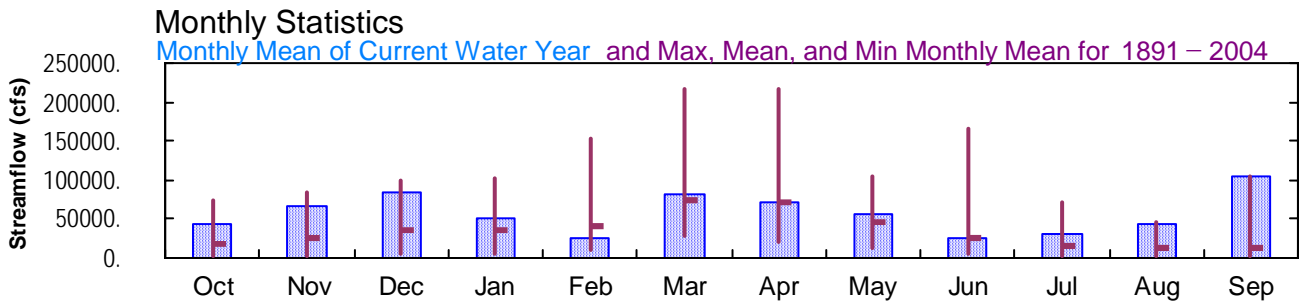
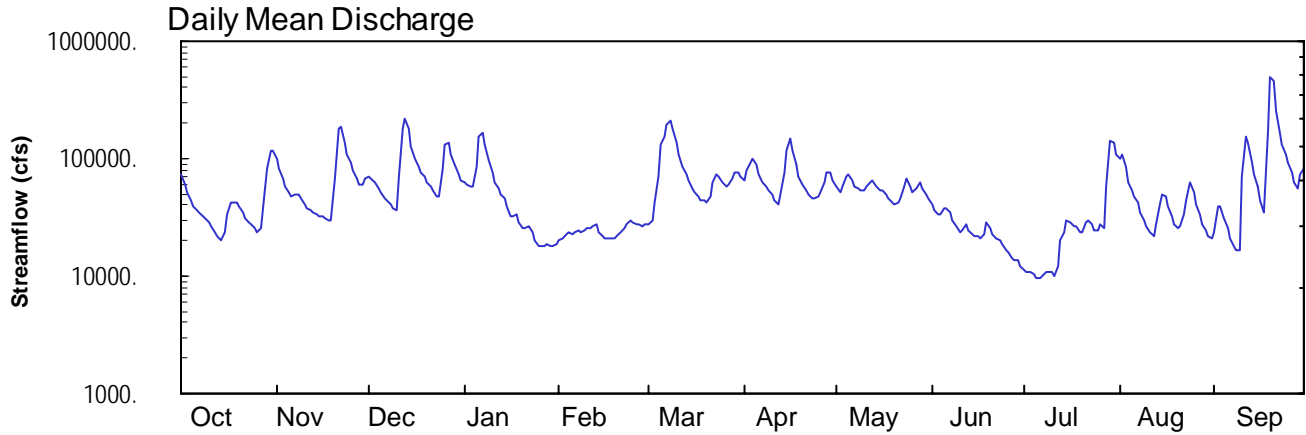
2004 Water Year SUSQUEHANNA RIVER BASIN

01570500 Susquehanna River at Harrisburg, PA

Latitude: 40° 15' 17"
Dauphin County

Longitude: 076° 53' 11"
Datum: 290.01 feet

Hydrologic Unit Code: 02050305
Drainage Area: 24100 mi²



01570500--Susquehanna River at Harrisburg

SUSQUEHANNA RIVER BASIN

01570500 SUSQUEHANNA RIVER AT HARRISBURG, PA

LOCATION.--Lat 40°15'17", long 76°53'11", Dauphin County, Hydrologic Unit 02050305, on east bank of City Island, 60 ft downstream from Market Street bridge in Harrisburg, 3,670 ft upstream from sanitary dam, and 1.7 mi upstream from Paxton Creek.

DRAINAGE AREA.--24,100 mi².

PERIOD OF RECORD.--October 1890 to current year.

REVISED RECORDS.--WSP 711: 1929. WSP 1502: 1891-1923, 1926(M), 1928. WSP 1702: 1953 (total runoff in inches), 1958 (1957 calendar year mean discharge).

GAGE.--Water-stage recorder. Concrete control since Aug. 29, 1916. Datum of gage is 290.01 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1928, nonrecording gage at Walnut Street Bridge 600 ft upstream, and Oct. 1, 1928, to Aug. 31, 1975, water-stage recorder at site 3,170 ft downstream, all gages at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow slightly regulated by 15 flood-control reservoirs which have a combined capacity of 1,571,000 acre-ft. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known during period 1786 to 1890, 26.8 ft at Walnut Street bridge, June 2, 1889, discharge, 654,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71900	99900	70800	61800	e20000	28000	66000	56900	40400	11400	98700	23300
2	59100	83200	68500	59600	e21000	30000	78600	51600	36000	10900	108000	38900
3	51300	67700	63300	56900	e22000	42800	91200	57300	34100	10700	86000	39300
4	44100	57500	55600	58500	e24000	71500	99000	69700	33600	10200	63300	30500
5	38600	51300	50800	86800	e23000	129000	88200	72500	37500	9750	54300	25500
6	36500	48500	46700	152000	e24000	152000	73100	65800	37400	9600	46800	21200
7	34600	49500	43300	165000	e25000	197000	63600	58400	34300	9830	41700	18000
8	31900	49500	41500	129000	e24000	211000	56800	55200	29900	10800	35300	16700
9	31400	46400	38300	97300	e25000	179000	52700	53700	26300	10700	30300	16800
10	28900	41500	35700	76200	e26000	138000	48600	53600	23700	11000	26100	71100
11	26100	38000	70100	63200	e26000	109000	44600	58500	24900	10100	23300	156000
12	23800	36100	180000	56600	e27000	87100	40600	63700	27700	12400	21900	135000
13	21600	34300	217000	50300	e28000	72500	48600	65300	24700	20500	27400	91900
14	20000	33500	178000	45100	e24000	63900	76900	58900	22500	23800	41000	73800
15	23300	32600	129000	e39000	e22000	56000	119000	52900	22100	29700	48800	58600
16	33500	31800	101000	e32000	e21000	51100	149000	52700	22200	29100	48300	43400
17	41900	31300	85600	e32000	e21000	47100	118000	49800	20800	26100	39700	35200
18	41800	30300	76200	e33000	e21000	44200	89200	45700	23000	26100	31800	172000
19	43000	30300	69100	e29000	e21000	43300	70300	41700	28500	24000	27100	500000
20	39000	67600	62500	e26000	e23000	43200	59800	40000	25200	23400	25000	451000
21	34300	180000	57500	e26000	e24000	47600	53700	42800	22600	28900	26500	258000
22	31000	186000	53100	e27000	e26000	62700	49300	45700	21100	29400	33100	166000
23	29200	139000	48200	e24000	e28000	72400	46300	57300	20100	28000	43700	129000
24	27800	109000	48000	e20000	e30000	70800	45200	68300	18500	24600	62200	108000
25	25800	90900	82000	e18000	e29000	62600	47400	58800	16800	24300	50800	92900
26	23700	80000	132000	e18000	e28000	56900	52400	51600	15900	27300	40600	76800
27	25100	67300	135000	e18000	e28000	60500	63300	56400	14400	25100	32900	61900
28	52700	59300	109000	e19000	e27000	68200	76300	61900	13500	57000	28000	55100
29	83300	61300	87500	e18000	27300	74900	74800	54600	13600	143000	24900	74500
30	116000	69000	72100	e18000	---	76700	65400	49000	12300	139000	21900	81700
31	115000	---	66000	e19000	---	70700	---	46300	---	107000	20900	---
TOTAL	1306200	2002600	2573400	1574300	715300	2519700	2107900	1716600	743600	963680	1310300	3122100
MEAN	42140	66750	83010	50780	24670	81280	70260	55370	24790	31090	42270	104100
MAX	116000	186000	217000	165000	30000	211000	149000	72500	40400	143000	108000	500000
MIN	20000	30300	35700	18000	20000	28000	40600	40000	12300	9600	20900	16700
CFSM	1.75	2.77	3.44	2.11	1.02	3.37	2.92	2.30	1.03	1.29	1.75	4.32
IN.	2.02	3.09	3.97	2.43	1.10	3.89	3.25	2.65	1.15	1.49	2.02	4.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 2004, BY WATER YEAR (WY)

MEAN	17410	26640	34640	36890	40500	74050	72300	44950	26560	15380	12040	12570
MAX	75150	83540	98870	103100	153500	216100	217000	103900	166800	71450	44960	104100
(WY)	1977	1927	1997	1996	1891	1936	1993	1894	1972	1902	1994	2004
MIN	2356	2303	3835	3876	9122	27460	20380	12750	6226	3315	2878	2066
(WY)	1931	1931	1931	1931	1931	1960	1946	1941	1999	1965	1930	1964

e Estimated.

SUSQUEHANNA RIVER BASIN

01570500 SUSQUEHANNA RIVER AT HARRISBURG, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1891 - 2004	
ANNUAL TOTAL	19992700		20655680			
ANNUAL MEAN	54770		56440		34450	
HIGHEST ANNUAL MEAN					56440	
LOWEST ANNUAL MEAN					16940	
HIGHEST DAILY MEAN	266000	Mar 22	500000	Sep 19	954000	Jun 24 1972
LOWEST DAILY MEAN	10700	Jul 21	9600	Jul 6	1700	Nov 29 1930
ANNUAL SEVEN-DAY MINIMUM	12100	Jul 16	10200	Jul 3	1790	Sep 17 1964
MAXIMUM PEAK FLOW			557000	Sep 19	1020000	Jun 24 1972
MAXIMUM PEAK STAGE			24.40	Sep 19	a32.57	Jun 24 1972
INSTANTANEOUS LOW FLOW			9470	Jul 5,6	b1600	Nov 29 1930
ANNUAL RUNOFF (CFSM)	2.27		2.34		1.43	
ANNUAL RUNOFF (INCHES)	30.86		31.88		19.42	
10 PERCENT EXCEEDS	103000		108000		79200	
50 PERCENT EXCEEDS	43500		44400		20400	
90 PERCENT EXCEEDS	16800		21000		5470	

a From floodmark.

b Result of freezeup. Minimum daily discharge since construction of sanitary dam and not affected by freezeup, 1,700 ft³/s, Sept. 18, 1964.