



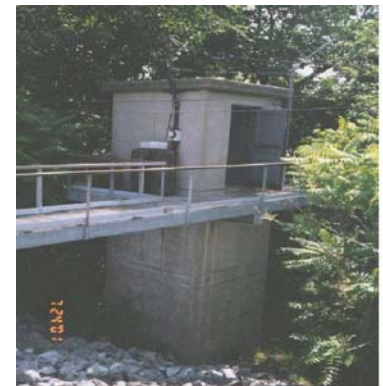
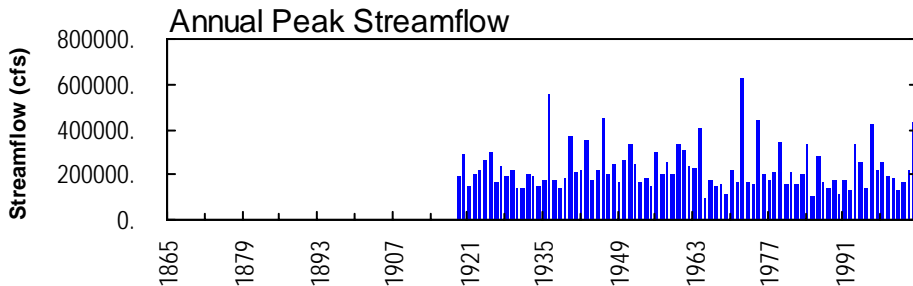
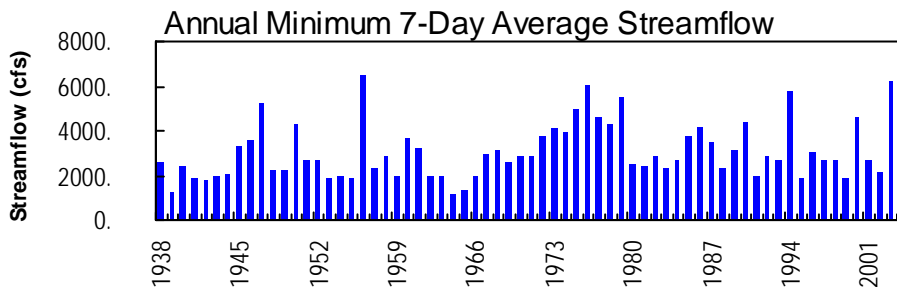
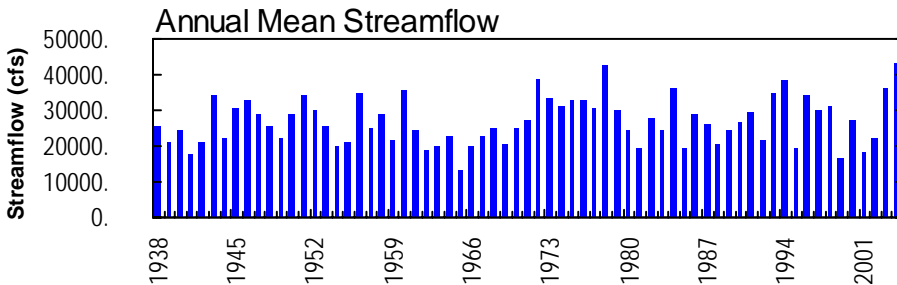
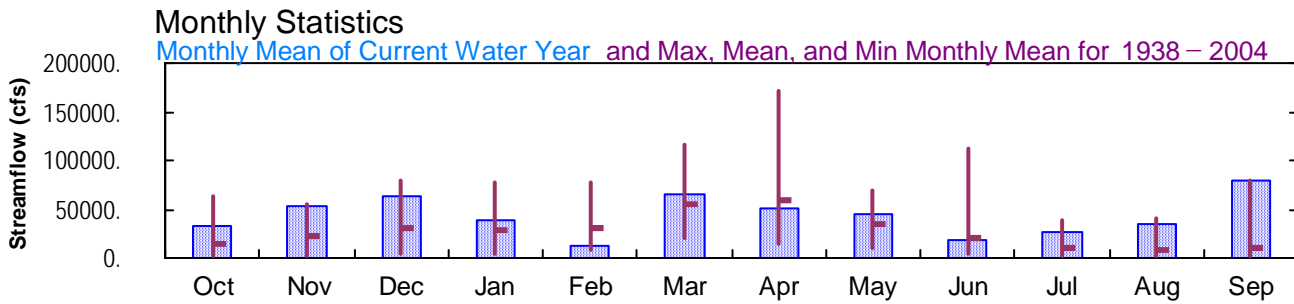
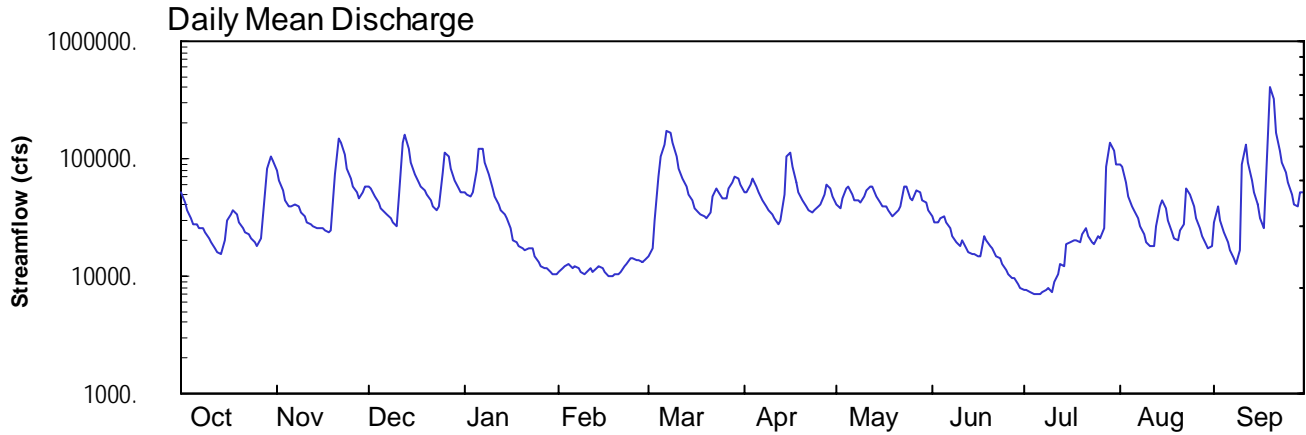
2004 Water Year
SUSQUEHANNA RIVER BASIN

01554000 Susquehanna River at Sunbury, PA

Latitude: 40° 51' 15"
Snyder County

Longitude: 076° 48' 21"
Datum: 408.61 feet

Hydrologic Unit Code: 02050301
Drainage Area: 18300 mi²



01554000--Susquehanna River at Sunbury

SUSQUEHANNA RIVER BASIN

01554000 SUSQUEHANNA RIVER AT SUNBURY, PA

LOCATION.--Lat 40°51'15", long 76°48'21", Snyder County, Hydrologic Unit 02050301, on right bank in borough of Shamokin Dam, on grounds of Pennsylvania Power and Light Company generating plant, 1.0 mi downstream from Shamokin Creek, 1.5 mi downstream from Sunbury Fabridam, and 1.8 mi south of Sunbury.

DRAINAGE AREA.--18,300 mi², approximately (excluding that of Shamokin Creek).

PERIOD OF RECORD.--October 1937 to current year. June 1918 to September 1918 (gage heights only), in reports of Pennsylvania Department of Forests and Waters.

REVISED RECORDS.--WSP 891: 1936(M). WDR PA-79-2: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 408.61 ft above National Geodetic Vertical Datum of 1929. See WSP 1903 for history of changes prior to Dec. 13, 1937. Dec. 13, 1937, to Mar. 23, 1967, water-stage recorder at site 1.7 mi upstream at datum 11.05 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow slightly regulated by 14 flood-control reservoirs which have a capacity of about 809,000 acre-ft, and during low flow by Fabridam. Satellite and landline telemetry at station.

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	52000	79900	58900	51300	e11000	14700	52400	41300	31700	7640	89900	29000
2	42600	65300	55100	49000	e11500	17000	51600	37000	28900	7650	84300	39500
3	36400	52800	48400	46800	e12000	29300	60100	46400	28500	7410	62100	29700
4	30900	44900	42600	52200	e12500	69600	67100	54900	30800	7030	47100	23900
5	28100	39500	38400	78700	e11500	106000	58400	57400	32500	6990	38900	19600
6	27900	39600	35300	122000	e12000	130000	50900	49900	28900	7010	36000	16300
7	25400	40300	33400	121000	e11500	174000	44600	44900	25200	7350	31400	14500
8	25500	39100	31200	91200	e11000	168000	39800	43600	22000	7580	26400	12800
9	23500	35300	28400	71800	e10500	135000	36400	42300	19600	8020	22400	16500
10	21100	31700	26900	56700	e11000	106000	33400	47300	17900	7400	19300	87400
11	19100	29100	47100	47000	e11500	82700	30600	54400	20400	9030	17700	132000
12	17400	27200	137000	40700	e11000	66700	28000	58900	17300	10500	18300	91500
13	16000	26400	158000	36200	e11500	57500	30000	57400	15900	12700	26800	66400
14	15200	25900	122000	33900	e12000	50000	49700	47000	15600	12400	38500	51000
15	20100	25500	93300	31000	e11500	43200	105000	42300	15500	18500	43700	41000
16	30000	25200	74500	25700	e11000	38300	112000	39800	14600	19300	38100	30600
17	33400	24500	62400	20400	e10000	35500	84700	39600	14800	20400	29800	26000
18	35600	23300	58300	19200	e10000	33700	63800	35700	22000	19900	24000	164000
19	33200	24600	53900	e18000	10200	32200	51300	32400	19800	19100	21400	406000
20	28600	74400	49100	e17000	10200	30500	43800	33000	18300	23000	20400	316000
21	25100	149000	44800	e16500	10900	35500	39300	35800	17300	25900	24100	168000
22	23300	139000	39700	e17500	12200	48000	36600	39900	14900	22200	28000	116000
23	22400	106000	36100	e17000	12900	56400	34600	57200	14100	19100	56400	92100
24	21000	82600	39200	e15000	14000	52000	36200	56900	12700	18800	50200	76100
25	19200	67500	75800	e13000	14400	46200	39800	45700	11400	21800	39600	62100
26	17900	57900	114000	e12000	13900	46400	41500	43900	10300	21400	31100	49600
27	21000	50800	104000	e11500	13600	56100	50400	53000	9780	25400	25200	41400
28	49800	46200	82500	e11500	13200	63400	59100	50600	9530	86400	21600	39200
29	81400	51400	66000	e11000	13600	69400	56400	43800	8530	138000	18900	52100
30	103000	57100	56500	e10500	---	66700	48100	41700	7970	116000	17400	50600
31	95300	---	52500	e10500	---	59200	---	36800	---	88200	17800	---
TOTAL	1041400	1582000	1965300	1175800	342100	2019200	1535600	1410800	556710	822110	1066800	2360900
MEAN	33590	52730	63400	37930	11800	65140	51190	45510	18560	26520	34410	78700
MAX	103000	149000	158000	122000	14400	174000	112000	58900	32500	138000	89900	406000
MIN	15200	23300	26900	10500	10000	14700	28000	32400	7970	6990	17400	12800
CFM	1.84	2.88	3.46	2.07	0.64	3.56	2.80	2.49	1.01	1.45	1.88	4.30
IN.	2.12	3.22	4.00	2.39	0.70	4.10	3.12	2.87	1.13	1.67	2.17	4.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	13420	22580	29630	27760	31620	54640	58580	35520	20810	11020	8492	9975
MAX	62760	54540	79050	77850	78120	115800	170900	69950	111600	38930	40040	78700
(WY)	1978	1978	1997	1996	1981	1945	1993	1989	1972	1972	1994	2004
MIN	1607	1673	4608	4510	7500	21370	14560	9826	4386	2390	2533	1372
(WY)	1965	1965	1999	1981	1980	1969	1946	1941	1999	1965	1939	1964

e Estimated.

SUSQUEHANNA RIVER BASIN

01554000 SUSQUEHANNA RIVER AT SUNBURY, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	15375450		15878720			
ANNUAL MEAN	42120		43380		26960	
HIGHEST ANNUAL MEAN					43380	
LOWEST ANNUAL MEAN					13420	
HIGHEST DAILY MEAN	214000	Mar 22	406000	Sep 19	609000	Jun 24 1972
LOWEST DAILY MEAN	7830	Jul 20	6990	Jul 5	1110	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	8900	Jul 15	7290	Jul 2	1140	Sep 22 1964
MAXIMUM PEAK FLOW			427000	Sep 19	620000	Jun 24 1972
MAXIMUM PEAK STAGE			30.44	Sep 19	35.80	Jun 24 1972
INSTANTANEOUS LOW FLOW			6800	Jul 5	a964	Oct 16 1971
ANNUAL RUNOFF (CFSM)	2.30		2.37		1.47	
ANNUAL RUNOFF (INCHES)	31.26		32.28		20.01	
10 PERCENT EXCEEDS	82200		85200		60800	
50 PERCENT EXCEEDS	30900		35000		16000	
90 PERCENT EXCEEDS	12900		11500		3780	

a Result of shutoff at Fabridam.