

## SCHUYLKILL RIVER BASIN

## 01473500 SCHUYLKILL RIVER AT NORRISTOWN, PA

**LOCATION.**--Lat 40°06'40", long 75°20'25", Montgomery County, Hydrologic Unit 02040203, on left bank at Haws Avenue bridge leading to Barbadoes Island, 0.2 miles upstream from Stony Creek, 0.6 miles upstream from Norristown Dam.

**DRAINAGE AREA.**--1,760 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 2001 to current year. October 1927 to May 1933 at site 0.6 mi downstream, at different datum. Annual maximums, October 1983 to September 1993 from crest-stage gage located 0.7 mi downstream at different datum.

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 51.00 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Records good except for estimated daily discharges, and those greater than 16,000 ft<sup>3</sup>/s, which are poor. Several measurements of temperature were made during the year. Satellite and landline telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 23,000 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
June 4	1445	24,900	13.25	Sept. 15	1945	25,800	13.51
June 21	0630	*33,500	*16.25	Sept. 23	1900	23,100	12.80

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	878	3880	2390	6050	e1650	2750	5430	2730	6970	3550	2140	1520
2	684	3190	2240	10800	e1700	5000	5170	2630	10000	3160	2320	3620
3	598	2740	2020	9940	e1650	8770	4830	2570	7220	3050	2340	3460
4	641	2460	1750	10000	e1700	5760	4330	2520	16800	2850	3670	3680
5	827	2150	1710	7580	e2100	5450	4130	2380	14300	2640	4790	3590
6	659	2640	1830	6510	e2200	10300	4080	2330	9060	2670	8800	2410
7	587	2860	e1770	5440	e1900	7560	3810	2280	8220	2520	5430	1960
8	501	2330	1720	4610	e1700	5220	4020	2530	11800	2590	4210	1750
9	555	2010	1690	4680	e1550	7350	4770	2460	8570	2540	3970	1620
10	591	1890	1550	4510	e1500	7970	6090	2280	7200	2270	7000	1450
11	3120	1860	3300	4300	e1450	5330	6720	2190	6040	2380	5090	1310
12	7620	2460	12200	3870	e1400	4510	8640	2090	5200	2350	4250	1250
13	5380	5100	9810	3530	e1300	4820	6910	1960	7100	2160	4120	1540
14	3310	3380	14300	3220	e1200	6180	5730	1840	9790	1970	3700	2980
15	2300	2660	11200	2980	e1000	5920	5310	1740	6580	1840	3560	14400
16	3120	2740	8600	2630	e900	5990	4920	1720	5260	1710	2910	14500
17	9070	12300	6850	2530	e600	6940	4570	1880	4250	1650	2930	6450
18	6690	11200	5660	2370	e650	7180	4260	1880	4460	1600	2680	4680
19	4460	7740	4600	2180	e1000	7090	3880	1780	4600	1760	2330	8990
20	3550	6020	7800	e2100	e1500	7620	3570	1670	10700	1950	2140	5100
21	3040	4840	8390	e2000	e2200	16900	3350	1760	27500	1670	1920	3660
22	2330	4400	5530	e1900	6470	13700	3500	1880	16900	6420	1770	3060
23	1800	4610	4720	e1600	16700	10500	3370	1700	12300	11400	1760	13300
24	1560	3860	4300	e1400	11900	8570	3060	1780	9910	7070	1630	15600
25	1460	3360	6230	e1300	7070	6260	2760	2060	8320	6970	1460	8730
26	2650	2990	7730	e1500	5020	5180	2920	7830	7250	4490	1380	6430
27	e2910	2970	5390	e1600	3750	5400	3430	6190	6500	3590	1380	5230
28	e2410	3090	4370	e1400	3080	4720	3140	4350	5060	3170	1470	5890
29	2230	2700	3950	e1300	---	4470	2780	4030	4490	2880	1330	5200
30	3630	2510	3810	e1500	---	6350	2770	3740	4190	2370	1440	3880
31	5650	---	3640	e1600	---	6630	---	3150	---	2130	1590	---
TOTAL	84811	116940	161050	116930	84840	216390	132250	81930	266540	99370	95510	157240
MEAN	2736	3898	5195	3772	3030	6980	4408	2643	8885	3205	3081	5241
MAX	9070	12300	14300	10800	16700	16900	8640	7830	27500	11400	8800	15600
MIN	501	1860	1550	1300	600	2750	2760	1670	4190	1600	1330	1250
CFM	1.55	2.21	2.95	2.14	1.72	3.97	2.50	1.50	5.05	1.82	1.75	2.98
IN.	1.79	2.47	3.40	2.47	1.79	4.57	2.80	1.73	5.63	2.10	2.02	3.32

## STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

MEAN	1774	2345	2371	2149	3008	4014	3945	2843	2764	1873	1254	1388
MAX	4449	5866	6439	3772	6811	6980	7141	3873	8885	4933	3081	5241
(WY)	1928	1933	1928	2003	1928	2003	1933	1933	2003	1928	2003	2003
MIN	256	353	508	910	1045	1746	1917	1603	1113	534	351	283
(WY)	1931	1931	1931	1931	2002	1931	1931	1930	1930	2002	1930	1932

e Estimated.

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	782368		1613801			
ANNUAL MEAN	2143		4421		2371	
HIGHEST ANNUAL MEAN					4421	2003
LOWEST ANNUAL MEAN					1259	1931
HIGHEST DAILY MEAN	16900	May 14	27500	Jun 21	30100	Feb 27 1929
LOWEST DAILY MEAN	234	Aug 15	501	Oct 8	179	Dec 18 1930
ANNUAL SEVEN-DAY MINIMUM	268	Aug 11	623	Oct 4	232	Oct 3 1930
MAXIMUM PEAK FLOW			a33500	Jun 21	a42000	Jul 15 1931b
MAXIMUM PEAK STAGE			16.25	Jun 21	16.25	Jun 21 2003
ANNUAL RUNOFF (CFSM)	1.22		2.51		1.35	
ANNUAL RUNOFF (INCHES)	16.54		34.11		18.30	
10 PERCENT EXCEEDS	4580		8680		5070	
50 PERCENT EXCEEDS	1450		3380		1510	
90 PERCENT EXCEEDS	414		1500		404	

- a From rating curve extended above 16,000 ft<sup>3</sup>/s on basis of runoff comparisons.
- b At site 0.6 mi downstream at different datum.

