

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 mi².

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.

REVISED RECORDS.--WDR PA-04-1: 2002-03(M).

GAGE.--Water-stage recorder. 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 34,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date ^e	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1500	38,500	13.89	Mar. 29	0115	35,200	13.46
Jan. 14	1545	34,000	13.32	Apr. 3	0130	*54,600	*16.04

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	8380	3090	14300	3260	2570	3060	7500	3290	1340	1130	830	561
2	6330	2730	14200	3120	2470	2980	22400	2990	1360	1170	768	532
3	5300	2780	10100	2960	2390	2750	44000	2780	1490	1080	722	500
4	4730	3290	7740	2980	2370	2550	24200	2640	1870	900	717	487
5	4230	5910	6500	3670	2410	2460	15200	2500	1610	841	702	468
6	3600	3870	5300	6140	2500	2490	11500	2410	1760	1620	695	457
7	3150	3240	5320	7040	2660	2910	9620	2410	2630	1340	791	443
8	2920	2970	6630	7490	2890	5010	12600	2360	1810	4410	1030	546
9	2770	2670	5260	9350	3310	4660	8160	2270	1490	5080	1390	523
10	2650	2440	10800	7480	4680	4090	6280	2170	1440	3000	1050	507
11	2510	2330	11900	6750	4170	3770	5560	2090	1410	2040	858	495
12	2380	2920	9300	7560	3160	3650	4790	1980	1290	1390	712	520
13	2240	6220	7440	6320	2810	3450	4390	1880	1250	1250	674	625
14	2730	4120	6430	20400	3000	3170	4100	1790	1190	1880	677	503
15	3130	3290	5520	18000	9880	2980	3810	1760	1140	1780	1080	877
16	4970	3050	4920	11800	7080	2810	3410	1910	1040	2030	872	692
17	3540	2910	4550	8890	6100	2750	3210	1830	999	2720	895	553
18	2820	2740	4050	7070	4800	2680	3090	1670	976	3710	774	592
19	3900	2630	3760	5800	4030	2590	2920	1590	922	3010	734	519
20	4620	2600	3520	5410	3640	2600	2730	1760	930	2500	832	459
21	3900	2830	3120	4820	3630	2770	2540	1980	919	1930	770	414
22	3430	2780	2940	4000	3690	2600	2450	1800	883	1540	682	506
23	3200	2600	4080	e3600	3690	3220	3300	1610	851	1250	628	499
24	2920	2570	10100	e3500	3550	7590	7350	1540	800	1100	673	508
25	2780	e3100	6660	e3800	3280	5880	4420	1560	784	1080	647	534
26	2580	4010	5130	e3500	3090	4870	3350	1590	748	1180	618	571
27	2420	3690	4480	e3100	2980	4340	3160	1540	772	1100	619	569
28	2360	23700	4400	2810	2910	11600	3160	1430	856	1460	778	524
29	2310	18600	4060	2630	---	25200	2900	1420	848	1150	964	636
30	3440	11300	3720	2730	---	15700	2860	1520	1060	946	961	617
31	3870	---	3410	2640	---	9860	---	1390	---	872	682	---
TOTAL	110110	140980	199640	188620	103740	157040	234960	61460	36468	56489	24825	16237
MEAN	3552	4699	6440	6085	3705	5066	7832	1983	1216	1822	801	541
MAX	8380	23700	14300	20400	9880	25200	44000	3290	2630	5080	1390	877
MIN	2240	2330	2940	2630	2370	2460	2450	1390	748	841	618	414
CFSM	2.02	2.67	3.66	3.46	2.11	2.88	4.45	1.13	0.69	1.04	0.46	0.31
IN.	2.33	2.98	4.22	3.99	2.19	3.32	4.97	1.30	0.77	1.19	0.52	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

MEAN	2198	2801	3248	2602	3202	4059	4349	2749	2530	2252	1634	1816
MAX	4449	5866	7066	6085	6811	6980	7832	3873	8885	5335	5128	6514
(WY)	1928	1933	2004	2005	1928	2003	2005	1933	2003	2004	2004	2004
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL TOTAL	1558632		1330569			
ANNUAL MEAN	4259		3645		2734	
HIGHEST ANNUAL MEAN					4421	2003
LOWEST ANNUAL MEAN					1259	1931
HIGHEST DAILY MEAN	33600	Sep 29	44000	Apr 3	44000	Apr 3 2005
LOWEST DAILY MEAN	804	Jul 11	414	Sep 21	179	Dec 18 1930
ANNUAL SEVEN-DAY MINIMUM	960	Jul 5	489	Sep 3	232	Oct 3 1930
MAXIMUM PEAK FLOW			a54600	Apr 3	a56100	Jun 21 2003
MAXIMUM PEAK STAGE			16.04	Apr 3	16.25	Jun 21 2003
ANNUAL RUNOFF (CFSM)	2.42		2.07		1.55	
ANNUAL RUNOFF (INCHES)	32.94		28.12		21.10	
10 PERCENT EXCEEDS	7530		7390		5730	
50 PERCENT EXCEEDS	3100		2740		1840	
90 PERCENT EXCEEDS	1790		682		459	

a From rating curve extended above 34,000 ft³/s on basis of runoff comparisons.

