

SCHUYLKILL RIVER BASIN

01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA

LOCATION.--Lat 40°14'30", long 75°39'07", Montgomery County, Hydrologic Unit 02040203, on right bank 75 ft upstream from bridge on Hanover Street in Pottstown, and 0.3 mi downstream from Manatawny Creek.

DRAINAGE AREA.--1,147 mi².

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 117.86 ft above sea level. October 1927 to Nov. 22, 1928, nonrecording gage, and Nov. 23, 1928, to Dec. 26, 1972, recording gage at site 100 ft downstream at same datum. Dec. 27, 1972, to May 10, 1974, nonrecording gage 1.0 mi downstream at datum 2.83 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Blue Marsh Lake (station 01470870) since April 1979, by Still Creek Reservoir (station 01469200) since February 1933, and by Lake Ontelaunee. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known prior to October 1926, 21.0 ft, Feb. 28, 1902, from floodmarks, discharge, about 53,900 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	415	567	508	e350	2180	2300	1840	1250	644	514	275	285
2	481	563	498	563	3140	2080	1840	1140	638	458	256	275
3	511	517	486	2280	4630	1990	1460	1110	768	469	250	277
4	594	504	487	2010	4090	2350	1390	1080	679	472	271	278
5	608	524	487	1330	3630	2570	1450	1330	614	458	294	337
6	510	586	478	933	2770	2340	1560	1320	583	440	291	1290
7	559	657	472	903	2500	2470	1530	1020	566	458	295	1740
8	1460	656	478	954	2510	2160	1500	1240	565	456	358	2000
9	2040	653	497	1730	2580	2030	1620	1130	552	402	375	943
10	3430	539	487	4450	2340	2000	2360	1010	540	392	329	1120
11	2620	570	463	2910	2060	1940	1810	971	522	400	329	691
12	1820	587	453	2150	1960	1850	2120	1150	508	424	318	530
13	1530	544	444	1490	2390	1740	2070	1160	519	485	315	455
14	1510	498	439	1650	2150	1470	1900	908	547	638	1220	420
15	1760	479	435	1790	1980	1720	1830	839	730	629	1220	467
16	1390	464	424	1770	1940	2060	1870	809	687	508	665	10800
17	985	530	482	1650	2130	2030	2000	790	575	476	453	23900
18	827	558	493	4300	2710	2030	1520	781	692	466	375	8120
19	799	552	463	11800	2360	1890	1390	864	909	456	341	5190
20	958	556	429	6960	2020	1810	1420	852	711	433	331	3930
21	721	581	425	5000	1880	1870	1740	780	673	426	346	3520
22	633	571	462	4480	1760	5510	1700	724	571	454	330	3690
23	617	558	481	4700	1650	5180	1780	857	512	387	320	3080
24	595	494	456	8560	1640	4250	2010	1060	484	334	312	2190
25	567	442	412	11700	1600	3540	1500	1130	466	318	311	1770
26	552	796	387	7290	1330	3020	1390	1000	450	301	517	1590
27	748	926	377	5160	1260	2680	1610	869	437	295	421	1450
28	636	697	e375	3830	1470	2550	1570	784	431	314	354	1290
29	558	569	e370	3290	---	2380	1510	739	456	337	332	1280
30	599	533	e365	2810	---	2030	1260	695	531	341	303	3230
31	586	---	e360	2470	---	1880	---	657	---	317	298	---
TOTAL	31619	17271	13873	111263	64660	75720	50550	30049	17560	13258	12405	86138
MEAN	1020	576	448	3589	2309	2443	1685	969	585	428	400	2871
MAX	3430	926	508	11800	4630	5510	2360	1330	909	638	1220	23900
MIN	415	442	360	350	1260	1470	1260	657	431	295	250	275

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1999, BY WATER YEAR (WY)

MEAN	1126	1677	2173	2223	2462	3177	2932	2279	1551	1248	1029	1070
MAX	3870	3897	7359	7383	5117	8948	7820	7220	7634	3940	5290	3732
(WY)	1977	1951	1997	1979	1971	1936	1983	1989	1972	1984	1933	1987
MIN	258	309	419	316	540	1101	875	729	462	302	301	256
(WY)	1931	1931	1931	1981	1934	1981	1985	1965	1965	1966	1966	1932

e Estimated.

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1928 - 1999	
ANNUAL TOTAL	759018		524366		1909	
ANNUAL MEAN	2080		1437		3211	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					843	
HIGHEST DAILY MEAN	10900	May 12	23900	Sep 17	71200	Jun 23 1972
LOWEST DAILY MEAN	e 360	Dec 31	250	Aug 3	175	Sep 19 1932
ANNUAL SEVEN-DAY MINIMUM	a 378	Dec 25	276	Aug 1	210	Sep 19 1932
INSTANTANEOUS PEAK FLOW			27300	Sep 17	b 95900	Jun 23 1972
INSTANTANEOUS PEAK STAGE			14.42	Sep 17	c 29.97	Jun 23 1972
10 PERCENT EXCEEDS	4520		2690		3860	
50 PERCENT EXCEEDS	1460		780		1300	
90 PERCENT EXCEEDS	487		356		473	

- a** Computed using estimated daily discharges.
- b** From rating curve extended above 50,400 ft³/s.
- c** From floodmark.
- e** Estimated.

