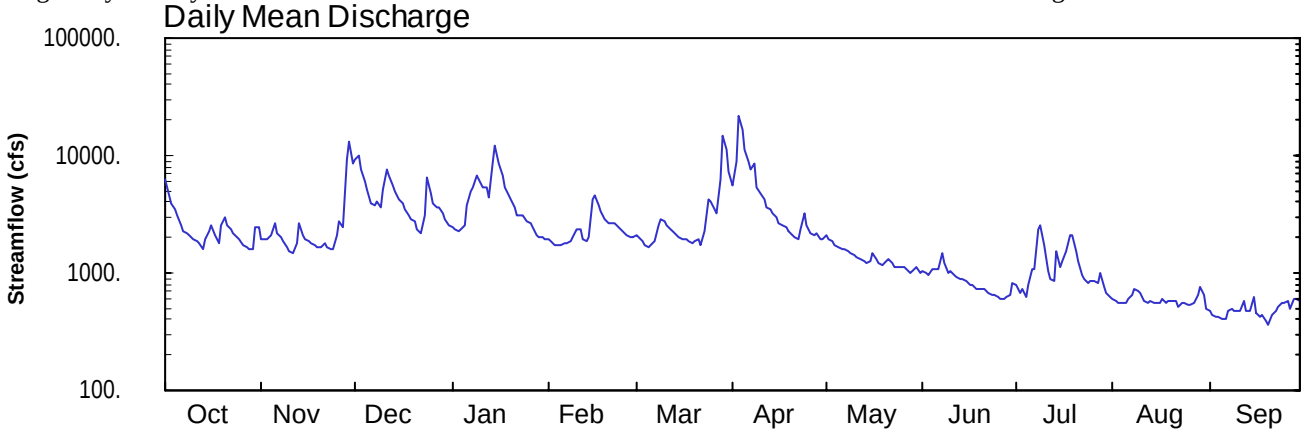
2005 Water Year
SCHUYLKILL RIVER BASIN
01472000 Schuylkill River at Pottstown, PA

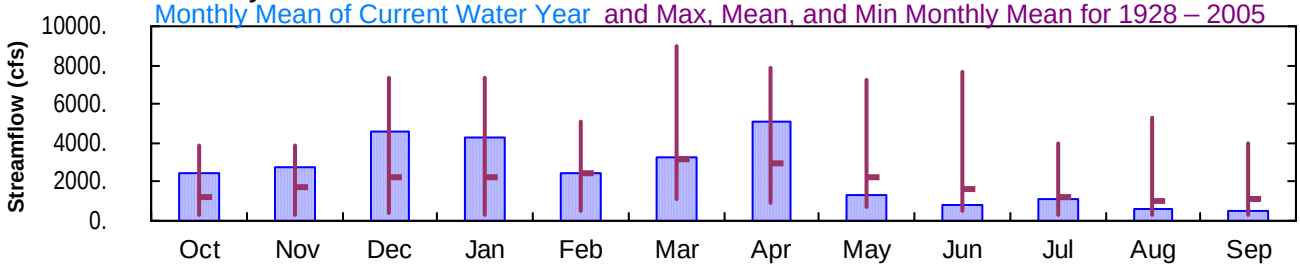
Latitude: 40° 14 ' 30" Longitude: 075° 39 ' 07" Hydrologic Unit Code: 02040203
Montgomery County Datum: 117.86 feet Drainage Area: 1147. mi²

Daily Mean Discharge

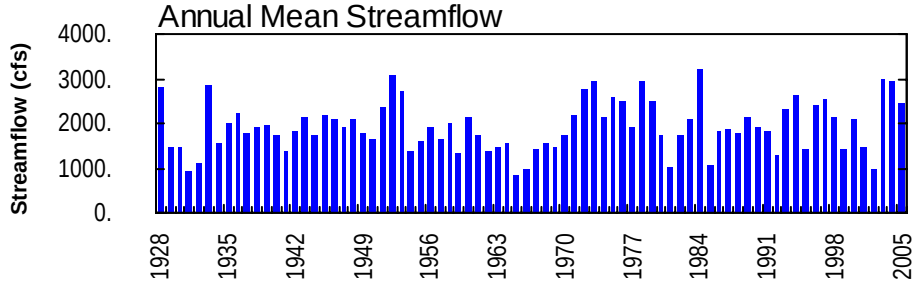


Monthly Statistics

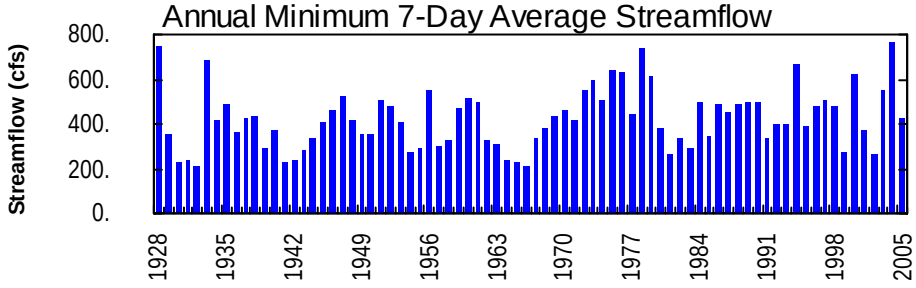
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1928 – 2005



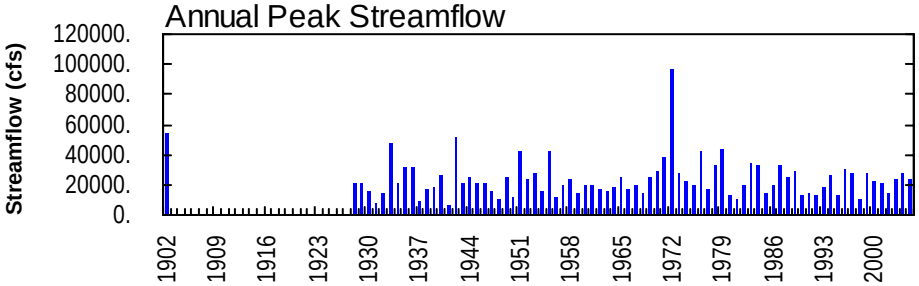
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow




01472000-Schuylkill River at Pottstown

SCHUYLKILL RIVER BASIN

01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA
(Pennsylvania Water-Quality Network Station)

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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 117.86 ft above National Geodetic Vertical Datum of 1929. 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.--No estimated daily discharges. Records good. 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 ft^3/s.

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	6160	1970	9230	2480	1930	2070	5680	2070	1060	803	604	471
2	4510	1940	10200	2360	1850	1990	8730	1940	1010	668	570	443
3	3950	1940	7710	2240	1750	1840	22100	1840	962	720	561	429
4	3500	2130	5970	2320	1720	1730	16700	1750	1060	614	557	417
5	3120	2650	5060	2570	1730	1690	11400	1640	1060	785	556	404
6	2590	2200	3980	3700	1760	1710	8850	1610	1080	1070	606	401
7	2300	1990	3700	4860	1810	1860	7660	1590	1500	1090	649	473
8	2170	1880	4080	5250	1880	2520	8710	1550	1210	2330	736	497
9	2060	1650	3580	6660	2000	2890	5450	1500	1010	2530	716	477
10	1980	1540	5200	5760	2400	2790	4680	1430	1040	1760	685	473
11	1870	1480	7490	5300	2340	2590	4200	1370	959	1040	587	471
12	1770	1790	6700	5290	1950	2370	3660	1320	924	891	551	569
13	1600	2650	5550	4490	1850	2250	3430	1280	894	871	579	481
14	1930	2100	4900	8970	1990	2130	3200	1240	891	1530	554	478
15	2260	1910	4270	12200	4300	2020	2970	1250	839	1110	556	629
16	2550	1850	3850	8560	4570	1950	2680	1500	785	1240	564	451
17	2130	1800	3540	6710	3840	1930	2570	1310	805	1520	609	423
18	1830	1700	3060	5440	3310	1900	2460	1230	742	2110	556	432
19	2520	1650	2900	4630	2910	1830	2300	1180	724	2120	577	397
20	2950	1630	2710	4280	2700	1860	2130	1220	736	1540	587	368
21	2540	1760	2400	3660	2680	1920	2040	1300	718	1250	576	443
22	2350	1680	2220	3100	2630	1740	1960	1200	680	974	520	482
23	2150	1590	3040	3060	2510	2240	2400	1110	647	873	549	514
24	2010	1570	6450	3060	2360	4270	3190	1140	642	829	552	550
25	1910	2080	4810	2760	2250	4120	2570	1130	615	864	529	561
26	1730	2710	3960	2650	2100	3520	2170	1130	599	855	527	570
27	1670	2480	3610	2430	2050	3210	2120	1100	591	834	563	504
28	1630	9200	3650	2100	1990	6380	2160	989	628	994	661	601
29	1580	12900	3210	2010	---	14700	1960	1100	659	756	758	613
30	2450	8410	2890	2030	---	11400	1920	1110	822	668	641	586
31	2490	---	2580	1960	---	7350	---	1000	---	631	500	---
TOTAL	76260	82830	142500	132890	67160	102770	152050	42129	25892	35870	18336	14608
MEAN	2460	2761	4597	4287	2399	3315	5068	1359	863	1157	591	487
MAX	6160	12900	10200	12200	4570	14700	22100	2070	1500	2530	758	629
MIN	1580	1480	2220	1960	1720	1690	1920	989	591	614	500	368

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

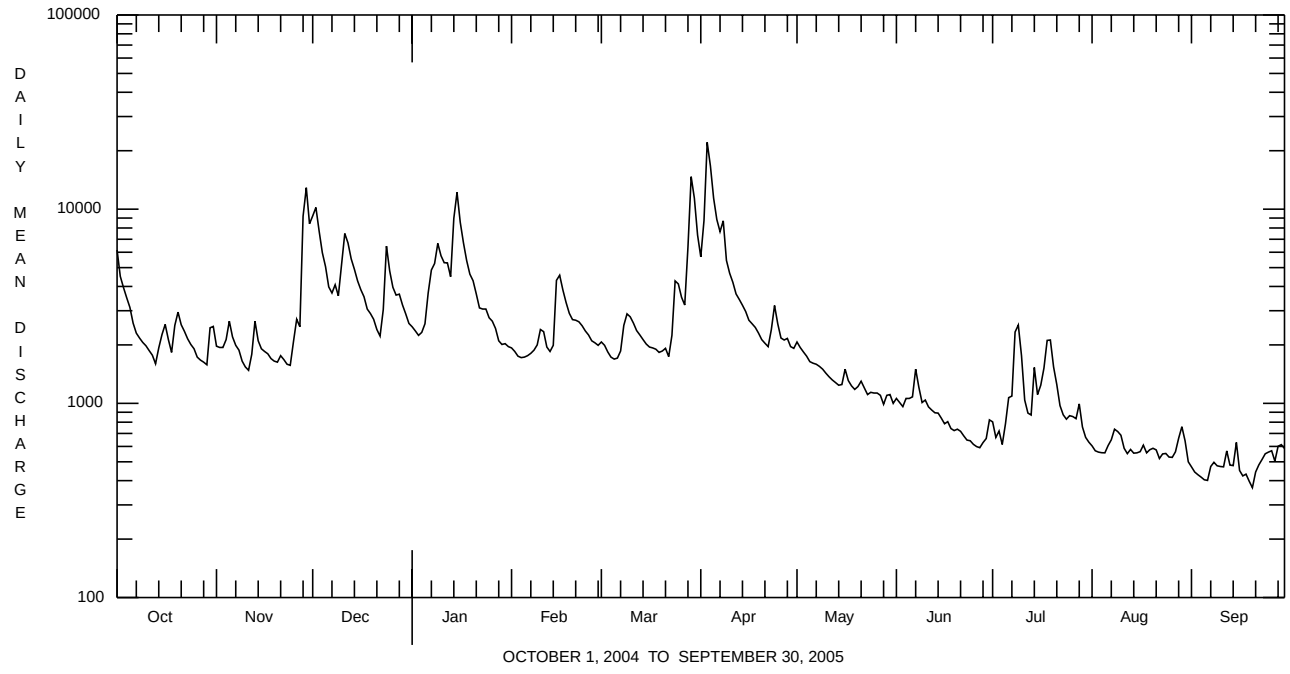
MEAN	1178	1687	2239	2209	2422	3182	2934	2249	1611	1274	1066	1116
MAX	3870	3897	7359	7383	5117	8948	7820	7220	7634	3940	5290	3952
(WY)	1977	1951	1997	1979	1971	1936	1983	1989	1972	1984	1933	2004
MIN	258	309	419	316	540	1101	875	729	462	302	301	256
(WY)	1931	1931	1931	1981	1934	1981	1985	1965	1965	1966	1966	1932

SCHUYLKILL RIVER BASIN

01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL TOTAL	1037532		893295			
ANNUAL MEAN	2835		2447		1928	
HIGHEST ANNUAL MEAN					3211	1984
LOWEST ANNUAL MEAN					843	1965
HIGHEST DAILY MEAN	21500	Sep 19	22100	Apr 3	71200	Jun 23 1972
LOWEST DAILY MEAN	639	Jul 11	368	Sep 20	175	Sep 19 1932
ANNUAL SEVEN-DAY MINIMUM	762	Jul 5	428	Sep 16	210	Sep 19 1932
MAXIMUM PEAK FLOW			24200	Apr 3	**a**95900	Jun 23 1972
MAXIMUM PEAK STAGE			13.35	Apr 3	**b**29.97	Jun 23 1972
10 PERCENT EXCEEDS	5100		5120		3880	
50 PERCENT EXCEEDS	2100		1870		1310	
90 PERCENT EXCEEDS	1280		561		478	

a From rating curve extended above 50,400 ft^3/s.
b From floodmark.



01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2002 to current year.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduct-ance, wat unf µS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)
NOV 2004													
03...	1230	1028	9813	1930	11.0	8.0	7.9	354	352	13.2	140	37	12
JAN 2005													
26...	1310	1028	9813	2630	15.1	7.8	7.8	327	334	1.9	130	31	12
MAR													
03...	1150	1028	9813	1840	16.4	8.2	8.1	395	396	2.8	140	35	12
MAY													
19...	0920	1028	9813	1190	8.6	7.8	8.1	399	397	16.8	150	38	14
JUL													
14...	1110	1028	9813	1470	6.5	7.5	7.8	299	320	24.6	120	30	11
SEP													
20...	1240	1028	9813	361	7.5	7.9	8.0	511	482	23.5	200	45	20

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Fluor-ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Total nitro-gen, water, unfltrd mg/L (00600)	Ortho-phos-phate, water, unfltrd mg/L as P (70507)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, unfltrd recover-able, µg/L (01105)
NOV 2004													
03...	89	<.2	40	260	8.0	<.020	3.5	<.040	4.0	.07	.09	2.4	<200
JAN 2005													
26...	69	<.2	47	170	10	.450	3.4	<.040	3.5	.06	.06	1.3	<200
MAR													
03...	77	<.2	44	300	8.0	.120	3.4	.040	4.1	.05	.08	1.8	240
MAY													
19...	91	<.2	58	300	10	<.020	3.2	<.040	3.4	.10	.12	--	<200
JUL													
14...	71	<.2	36	240	74	.100	2.4	<.040	3.0	.12	.25	--	1940
SEP													
20...	115	<.2	80	360	20	.040	3.2	<.040	3.4	.28	.32	--	<200

Date	Copper, water, unfltrd recover-able, µg/L (01042)	Cyanide amen-able to chlor-ination wat unf mg/L (00722)	Iron, water, unfltrd recover-able, µg/L (01045)	Lead, water, unfltrd recover-able, µg/L (01051)	Mangan-ese, water, unfltrd recover-able, µg/L (01055)	Nickel, water, unfltrd recover-able, µg/L (01067)	Zinc, water, unfltrd recover-able, µg/L (01092)	Phen-olic com-pounds, water, unfltrd µg/L (32730)	Gross alpha radioac water unfltrd pCi/L (01519)	Gross beta radioac water unfltrd pCi/L (85817)	Tritium water unfltrd pCi/L (07000)
NOV 2004											
03...	<10	<1.00	80	<1.0	30	<50	<10	<5	1.2	2	60
JAN 2005											
26...	<10	<1.00	350	<1.0	210	<50	14	<5	.54	3	--
MAR											
03...	<10	<1.00	470	1.7	180	<50	16	<5	.00	2	11
MAY											
19...	<10	<1.00	140	<1.0	70	<50	14	<5	--	2	24
JUL											
14...	<10	<1.00	2520	11	310	<50	56	<5	2.1	2	13
SEP											
20...	<10	<1.00	100	<1.0	50	<50	<10	<5	.07	4	13

01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	09/08/04
Benthic macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	4
Nematoda (NEMATODES)	2
Nemertea (PROBOSCIS WORMS)	
Enopla	
Hoplonemertea	
Tetrastemmatidae	
Prostoma	1
Mollusca	
Bivalvia (CLAMS)	
Veneroida	
Corbiculidae	
Corbicula fluminea	1
Arthropoda	
Crustacea	
Amphipoda (SCUDS)	
Gammaridae	
Gammarus	1
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	1
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
Baetis	28
Acentrella	14
Heptageniidae	
Stenonema	1
Tricorythidae	
Tricorythodes	5
Trichoptera (CADDISFLIES)	
Hydropsychidae	
Cheumatopsyche	1
Hydropsyche	1
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
Stenelmis	28
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	13
Simuliidae (BLACK FLIES)	
Simulium	12
Total Organisms	113
Total Taxa	15