



2005 Water Year
 SCHUYLKILL RIVER BASIN
 01470779 Tulpehocken Creek near Bernville, PA

Latitude: 40° 24 ' 48"

Longitude: 076° 10 ' 19"

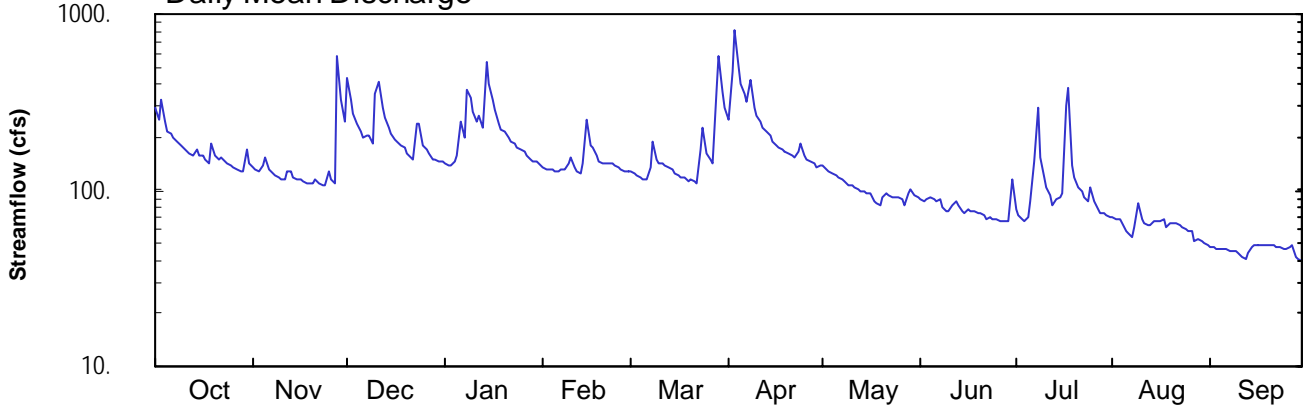
Hydrologic Unit Code: 02040203

Berks County

Datum: 311.26 feet

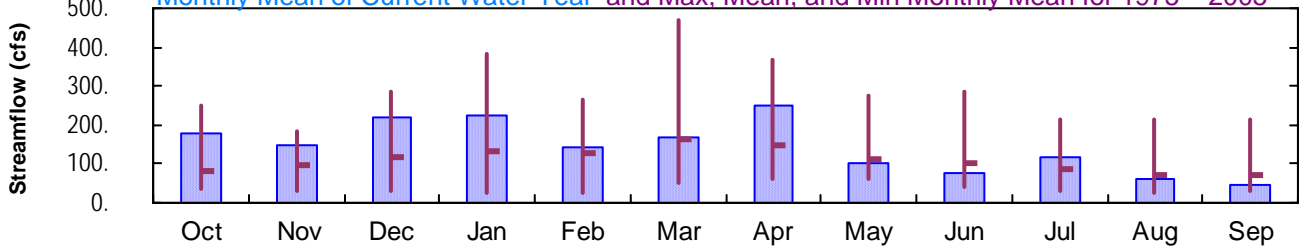
Drainage Area: 66.5 mi²

Daily Mean Discharge

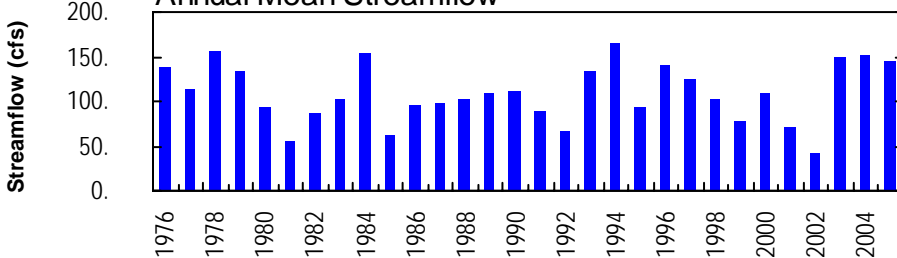


Monthly Statistics

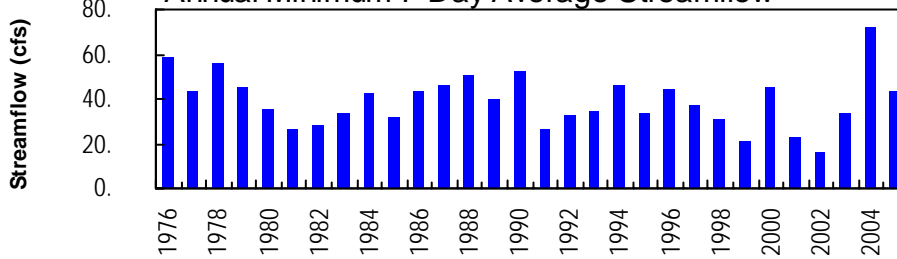
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2005



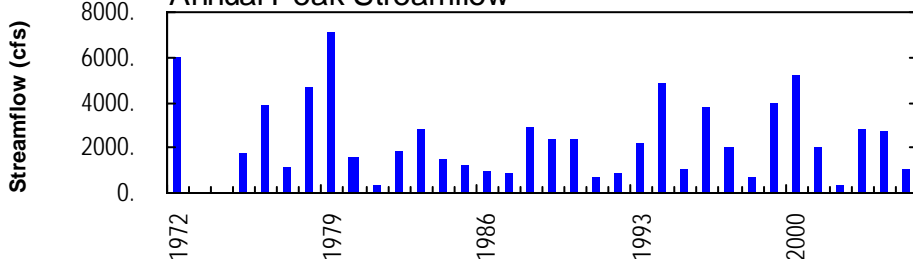
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



Looking downstream
 01470779--Tulpehocken Creek near Bernville

SCHUYLKILL RIVER BASIN

01470779 TULPEHOCKEN CREEK NEAR BERNVILLE, PA

LOCATION.--Lat 40°24'48", long 76°10'19", Berks County, Hydrologic Unit, 02040203, on left bank 30 ft downstream from Mill Road bridge at Kricks Mill, 0.4 mi upstream from Mill Creek, and 3.5 mi west of Bernville.

DRAINAGE AREA.--66.5 mi².

PERIOD OF RECORD.--November 1974 to current year.

REVISED RECORDS.--WDR PA-96-1: 1975-83(P), 1988(P), 1990(P), 1993-94(P).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 311.26 ft above National Geodetic Vertical Datum of 1929 (Pennsylvania Department of Transportation datum).

REMARKS.--No estimated daily discharges. Records fair. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1972 reached a stage of about 9.5 ft, from information by local resident, discharge about 6,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 950 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1400	*1,080	*5.77	Apr. 3	0030	970	5.50

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	291	136	439	143	136	129	252	139	90	77	70	48
2	254	132	328	139	133	125	471	131	87	73	69	47
3	331	129	273	137	131	120	817	129	89	69	68	47
4	247	138	239	145	130	118	504	124	91	67	66	47
5	218	154	217	158	129	116	403	120	88	71	59	47
6	208	132	199	249	130	116	351	118	86	88	57	46
7	197	127	207	197	131	136	314	116	88	144	55	46
8	188	122	205	370	132	187	423	111	81	292	63	45
9	181	119	185	339	143	152	291	108	76	152	84	45
10	175	116	350	276	152	144	267	105	76	119	68	45
11	167	116	418	243	134	141	245	104	82	104	65	42
12	161	128	294	265	128	139	228	101	87	94	63	41
13	157	129	258	228	124	134	217	99	83	82	63	44
14	170	118	228	538	144	130	203	99	76	88	66	47
15	159	116	208	400	255	126	192	97	74	92	66	48
16	159	114	196	331	182	123	179	97	77	96	67	48
17	150	112	188	285	173	120	177	86	77	302	68	49
18	143	110	178	240	156	117	173	84	77	379	62	49
19	184	108	173	221	146	114	167	82	75	138	65	49
20	159	109	160	214	142	114	163	92	74	119	66	48
21	151	115	154	199	143	113	157	95	73	104	65	48
22	152	108	151	187	142	109	153	93	69	97	63	48
23	145	107	242	184	143	169	168	92	70	92	62	47
24	141	107	236	174	137	229	182	91	69	86	60	47
25	137	128	180	170	136	161	156	91	68	103	59	47
26	134	116	169	166	131	150	148	88	68	86	58	48
27	132	110	161	156	128	144	145	82	68	78	51	49
28	129	576	151	148	128	371	141	96	66	74	52	42
29	127	323	150	145	---	586	136	101	67	74	51	41
30	172	246	147	145	---	363	140	95	116	72	50	40
31	143	---	145	141	---	291	---	92	---	71	49	---
TOTAL	5462	4401	6829	6933	4019	5287	7563	3158	2368	3583	1930	1385
MEAN	176	147	220	224	144	171	252	102	78.9	116	62.3	46.2
MAX	331	576	439	538	255	586	817	139	116	379	84	49
MIN	127	107	145	137	124	109	136	82	66	67	49	40
CFSM	2.65	2.21	3.31	3.36	2.16	2.56	3.79	1.53	1.19	1.74	0.94	0.69
IN.	3.06	2.46	3.82	3.88	2.25	2.96	4.23	1.77	1.32	2.00	1.08	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	83.5	95.7	120	132	129	165	150	111	103	88.3	70.1	71.1
MAX	250	181	288	385	264	468	367	277	284	216	213	217
(WY)	1977	1997	1997	1979	1979	1994	1993	1989	2003	1984	2004	2004
MIN	35.1	31.4	29.1	26.5	27.4	51.7	58.8	59.5	41.4	32.1	27.5	29.7
(WY)	2002	2002	2002	2002	2002	2002	1985	1999	1999	1999	2002	2002

SCHUYLKILL RIVER BASIN

01470779 TULPEHOCKEN CREEK NEAR BERNVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL TOTAL	57076		52918			
ANNUAL MEAN	156		145		109	
HIGHEST ANNUAL MEAN					164	1994
LOWEST ANNUAL MEAN					42.7	2002
HIGHEST DAILY MEAN	1160	Aug 13	817	Apr 3	2140	Jan 26 1978
LOWEST DAILY MEAN	68	Jul 10,11	40	Sep 30	15	Sep 8 2002
ANNUAL SEVEN-DAY MINIMUM	72	Jul 5	44	Sep 7	16	Sep 7 2002
MAXIMUM PEAK FLOW			1080	Nov 28	a7140	Jan 24 1979
MAXIMUM PEAK STAGE			5.77	Nov 28	10.16	Jan 24 1979
INSTANTANEOUS LOW FLOW			38	Sep 11	14	Sep 8 2002
ANNUAL RUNOFF (CFSM)	2.35		2.18		1.64	
ANNUAL RUNOFF (INCHES)	31.93		29.60		22.25	
10 PERCENT EXCEEDS	236		254		185	
50 PERCENT EXCEEDS	128		129		85	
90 PERCENT EXCEEDS	91		56		41	

a From rating curve extended above 2,600 ft³/s on basis of contracted-opening measurement at 3,900 ft³/s, gage height 8.01 ft.

