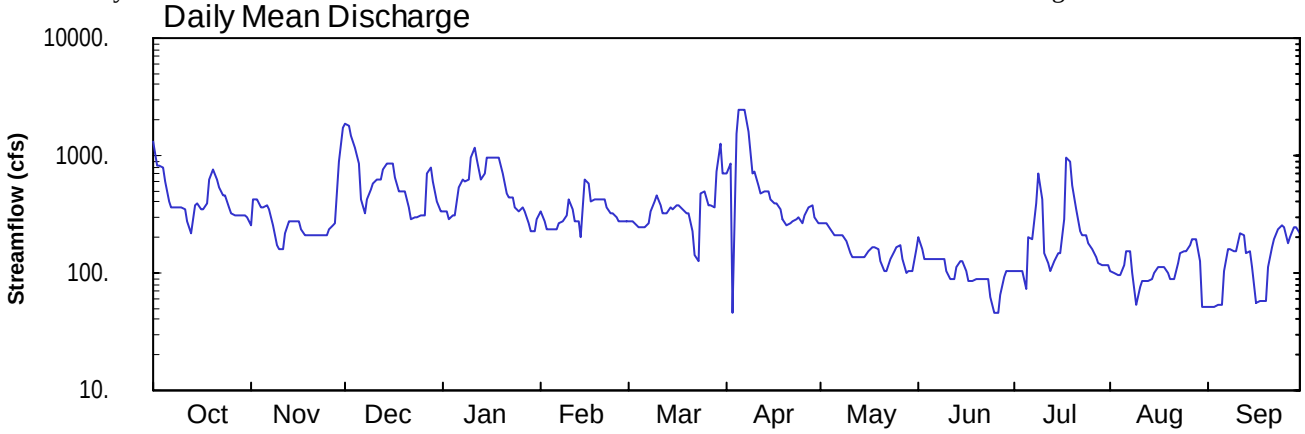
2005 Water Year
SCHUYLKILL RIVER BASIN
01470960 Tulpehocken Cr at Blue Marsh Damsite near Reading

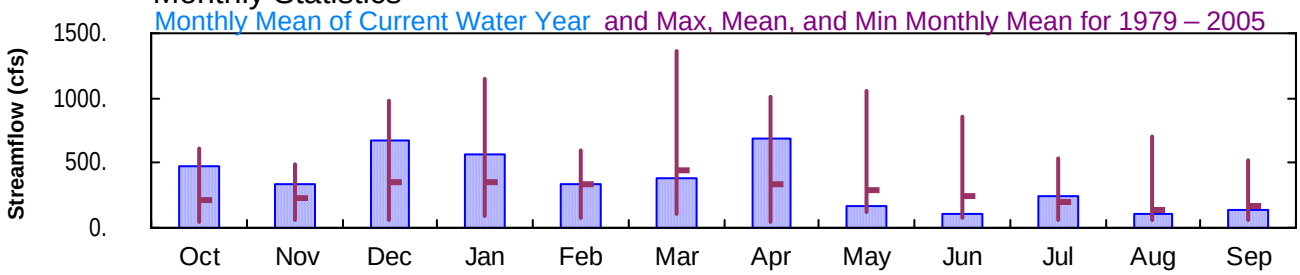
Latitude: 40° 22 ' 14" Longitude: 076° 01 ' 32" Hydrologic Unit Code: 02040203
Berks County Datum: 230.06 feet Drainage Area: 175. mi²

Daily Mean Discharge

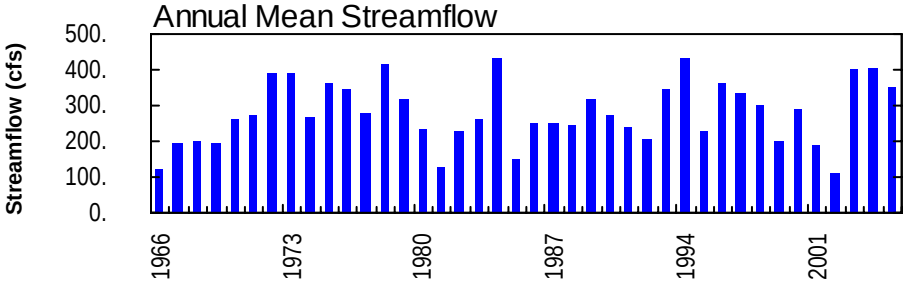


Monthly Statistics

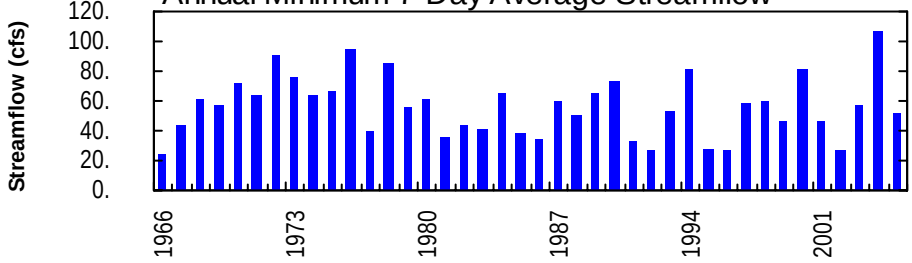
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1979 – 2005



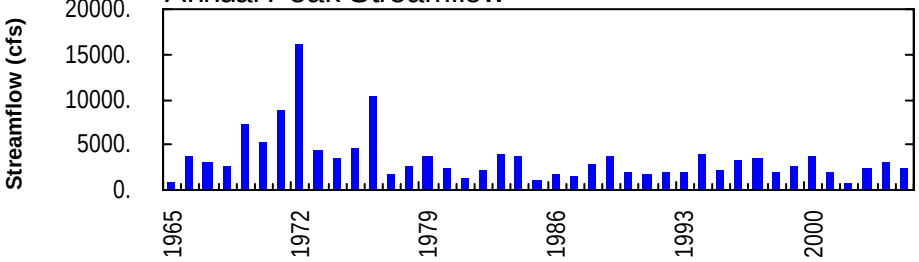
Annual Mean Streamflow

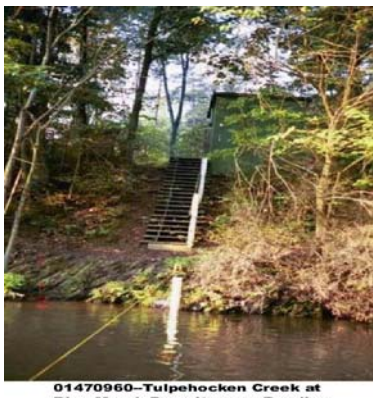


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





01470960–Tulpehocken Creek at Blue Marsh Damsite near Reading

SCHUYLKILL RIVER BASIN

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA

LOCATION.--Lat 40°22'14", long 76°01'32", Berks County, Hydrologic Unit 02040203, on right bank 1.0 mi upstream from Rebers Bridge and Plum Creek, 1.0 mi east of Blue Marsh, 3.0 mi north of Sinking Spring, and 5.5 mi northeast of Reading.

DRAINAGE AREA.--175 mi^2.

PERIOD OF RECORD.--May 1965 to current year.

REVISED RECORDS.--WDR PA-72-1: 1969-71 (M).

GAGE.--Water-stage recorder. Datum of gage is 230.06 ft above National Geodetic Vertical Datum of 1929 (Western Berks Water Authority datum). Prior to Nov. 25, 1974, water-stage recorder at site 0.3 mi downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since April 1979 by Blue Marsh Lake (station 01470870) 0.8 mi upstream. Satellite and landline telemetry at station.

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	1290	251	1830	332	331	277	698	264	201	105	106	51
2	814	425	1810	332	275	277	869	264	159	105	100	51
3	809	418	1450	287	238	263	46	263	131	105	97	52
4	805	361	1150	307	240	248	1530	234	132	104	95	53
5	614	364	852	305	240	247	2480	214	133	72	119	53
6	413	371	419	529	240	247	2430	214	132	200	155	104
7	361	355	328	631	260	265	2430	214	131	196	156	157
8	361	255	430	610	273	336	1570	214	130	391	99	157
9	361	176	506	619	308	402	717	186	131	699	53	156
10	357	158	571	974	428	458	722	150	105	418	75	156
11	354	158	622	1170	352	377	564	137	88	145	86	214
12	273	217	629	927	277	325	484	138	88	121	86	208
13	219	280	757	634	277	325	497	139	113	105	87	150
14	372	280	857	709	203	356	500	139	128	128	88	153
15	398	279	852	970	635	345	426	139	128	146	101	111
16	355	278	842	971	585	372	391	154	103	147	111	56
17	354	235	641	968	408	372	400	164	86	285	111	58
18	385	208	497	959	431	348	354	164	87	950	111	58
19	617	208	497	954	431	317	285	162	88	880	98	58
20	763	210	491	700	430	317	260	128	88	561	90	111
21	628	211	369	481	430	226	264	104	88	348	90	165
22	543	211	290	438	362	142	275	103	88	229	123	191
23	462	211	295	438	317	126	289	133	88	208	150	235
24	456	211	303	359	317	473	297	156	63	208	154	251
25	367	211	304	339	301	492	266	168	46	178	154	248
26	317	238	306	361	277	376	316	175	46	157	172	179
27	315	254	709	334	277	376	368	130	65	135	192	203
28	314	270	805	263	277	362	374	102	93	123	192	247
29	312	874	600	226	---	728	298	103	104	118	127	244
30	310	1720	409	226	---	1260	265	103	105	115	51	220
31	304	---	332	290	---	695	---	162	---	115	51	---
TOTAL	14603	9898	20753	17643	9420	11730	20665	5120	3168	7797	3480	4350
MEAN	471	330	669	569	336	378	689	165	106	252	112	145
MAX	1290	1720	1830	1170	635	1260	2480	264	201	950	192	251
MIN	219	158	290	226	203	126	46	102	46	72	51	51

SCHUYLKILL RIVER BASIN

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	221	234	358	347	343	444	340	290	249	192	142	161
MAX	612	484	986	1151	596	1365	1016	1058	863	543	705	521
(WY)	1980	1997	1997	1979	1979	1994	1993	1989	2003	1984	2004	2004
MIN	51.4	61.7	61.3	84.5	75.2	106	49.8	123	69.9	64.9	55.4	54.0
(WY)	1996	2002	1999	2002	2002	2002	1985	1999	1979	2002	1981	1983

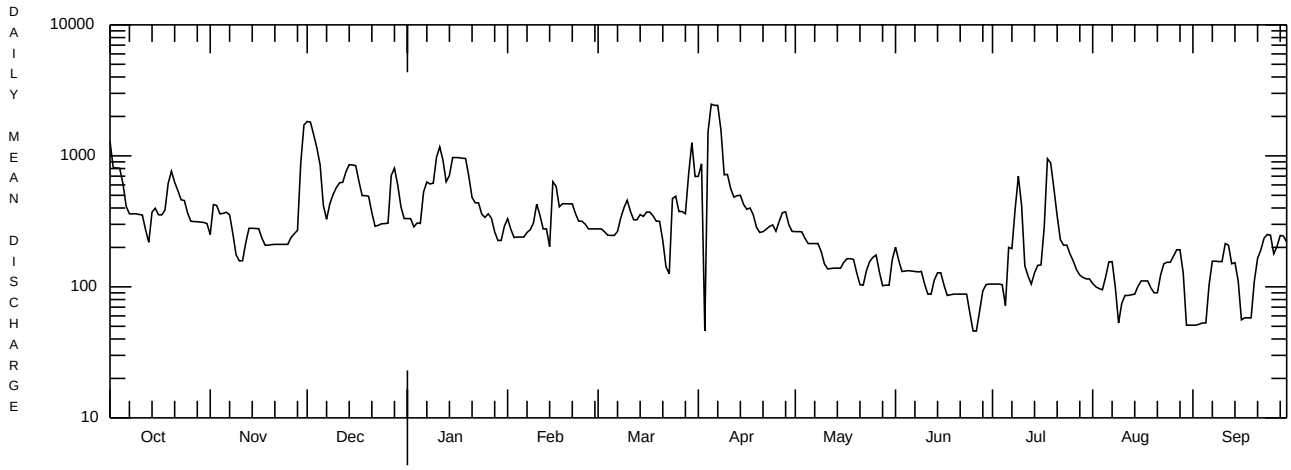
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	150367		128627			
ANNUAL MEAN	411		352		277	
HIGHEST ANNUAL MEAN					435	1994
LOWEST ANNUAL MEAN					111	2002
HIGHEST DAILY MEAN	2970	Aug 15	2480	Apr 5	3950	Apr 18 1983
LOWEST DAILY MEAN	93	Sep 15	46	Apr 3**a**	25	Oct 7 1995
ANNUAL SEVEN-DAY MINIMUM	107	Apr 7	52	Aug 30	26	Oct 6 1995
MAXIMUM PEAK FLOW			2510	Apr 4	**b**4060	Dec 6 1993
MAXIMUM PEAK STAGE			6.63	Apr 4	8.02	Jun 26 2000
10 PERCENT EXCEEDS	785		719		555	
50 PERCENT EXCEEDS	314		265		180	
90 PERCENT EXCEEDS	128		96		64	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1978, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	180	236	333	333	373	423	363	261	285	233	175	150
MAX	701	464	827	761	790	832	706	423	1244	523	350	536
(WY)	1977	1976	1978	1978	1971	1978	1970	1973	1972	1969	1969	1975
MIN	56.2	58.3	69.9	100	146	163	144	89.2	60.4	45.0	31.9	43.4
(WY)	1967	1966	1966	1966	1969	1969	1966	1965	1965	1966	1966	1966

SUMMARY STATISTICS	WATER YEARS 1965 - 1978	
ANNUAL MEAN	283	
HIGHEST ANNUAL MEAN	416	1978
LOWEST ANNUAL MEAN	122	1966
HIGHEST DAILY MEAN	11000	Jun 23 1972
LOWEST DAILY MEAN	23	Sep 12 1966
ANNUAL SEVEN-DAY MINIMUM	25	Sep 7 1966
MAXIMUM PEAK FLOW	**b**16100	Jun 22 1972
MAXIMUM PEAK STAGE	**c**18.70	Jun 22 1972
ANNUAL RUNOFF (CFSM)	1.62	
ANNUAL RUNOFF (INCHES)	22.00	
10 PERCENT EXCEEDS	551	
50 PERCENT EXCEEDS	178	
90 PERCENT EXCEEDS	69	

a Also June 25, 26.
b From rating curve extended above 3,540 ft^3/s on basis of runoff comparison with downstream station.
c From floodmark.



OCTOBER 1, 2004 TO SEPTEMBER 30, 2005