

SCHUYLKILL RIVER BASIN

01471000 TULPEHOCKEN CREEK NEAR READING, PA

LOCATION.--Lat 40°22'08", long 75°58'46", Berks County, Hydrologic Unit 02040203, on right bank 15 ft upstream from covered bridge on Township Route 921, 1.0 mi downstream from Cacoosing Creek, 2.5 mi upstream from mouth, and 3.5 mi northwest of town square in Reading.

DRAINAGE AREA.--211 mi².

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WSP 1382: 1951-53, 1954 (M). WSP 2102: 1965 (M). WDR PA-72-1: 1971 (M).

GAGE.--Water-stage recorder. Datum of gage is 216.60 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since April 1979 by Blue Marsh Lake (station 01470870) 3.9 mi upstream. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	80	153	117	398	294	621	248	296	147	85	64
2	187	80	123	126	402	294	597	266	285	134	63	54
3	245	80	122	153	396	292	510	235	272	127	63	55
4	257	81	111	175	390	295	437	214	222	129	62	64
5	429	80	97	175	391	295	345	207	183	127	61	61
6	468	80	97	176	387	290	279	201	160	127	60	57
7	406	110	96	175	363	329	283	198	138	125	59	56
8	402	120	95	174	338	347	288	170	137	126	59	56
9	395	93	94	147	310	287	290	141	136	164	57	56
10	357	121	92	120	319	272	297	150	136	157	83	59
11	278	111	92	119	309	272	299	159	134	127	81	58
12	243	109	93	118	377	271	365	160	135	108	68	56
13	243	136	94	119	460	376	440	158	183	87	107	55
14	243	202	206	118	506	577	448	156	166	86	154	57
15	243	178	284	118	423	569	436	155	120	85	142	56
16	180	114	286	118	333	541	546	154	123	93	109	56
17	105	100	646	130	328	513	657	154	150	121	71	55
18	101	98	1190	157	319	502	830	154	195	182	59	55
19	97	99	1900	199	317	492	662	153	244	172	58	89
20	96	87	1820	210	342	486	510	153	224	115	59	124
21	96	68	1050	197	351	522	505	215	158	114	59	82
22	96	68	392	240	316	589	496	308	205	114	58	61
23	96	66	288	292	293	551	413	323	183	90	58	59
24	97	67	287	289	290	469	326	246	138	59	75	66
25	98	66	282	290	299	461	295	151	203	105	107	220
26	109	78	202	231	305	400	310	150	266	262	106	240
27	122	136	120	177	297	256	321	165	262	202	84	197
28	125	216	118	176	295	241	318	151	188	144	54	160
29	127	180	118	173	---	229	315	233	126	142	53	157
30	105	156	119	253	---	523	267	322	125	122	52	156
31	80	---	117	353	---	650	---	316	---	104	56	---
TOTAL	6257	3260	10784	5615	9854	12485	12706	6166	5493	3997	2322	2641
MEAN	202	109	348	181	352	403	424	199	183	129	74.9	88.0
MAX	468	216	1900	353	506	650	830	323	296	262	154	240
MIN	80	66	92	117	290	229	267	141	120	59	52	54

SCHUYLKILL RIVER BASIN

01471000 TULPEHOCKEN CREEK NEAR READING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	239	279	399	368	398	525	409	363	286	212	149	164
MAX	651	589	1220	1069	663	1604	1191	1226	673	661	331	456
(WY)	1997	1997	1997	1996	1986	1994	1983	1989	1982	1984	1994	1987
MIN	78.3	83.6	80.1	99.8	149	153	64.2	155	98.8	115	63.1	63.0
(WY)	1996	1981	1999	1981	1980	1981	1985	1999	1999	1985	1981	1983

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1980 - 2001
ANNUAL TOTAL	112259	81580	
ANNUAL MEAN	307	224	316
HIGHEST ANNUAL MEAN			531
LOWEST ANNUAL MEAN			146
HIGHEST DAILY MEAN	2790	Jun 27	1900
LOWEST DAILY MEAN	66	Nov 23,25	52
ANNUAL SEVEN-DAY MINIMUM	71	Nov 20	55
MAXIMUM PEAK FLOW			1990
MAXIMUM PEAK STAGE			3.86
10 PERCENT EXCEEDS	551		432
50 PERCENT EXCEEDS	200		159
90 PERCENT EXCEEDS	97		63

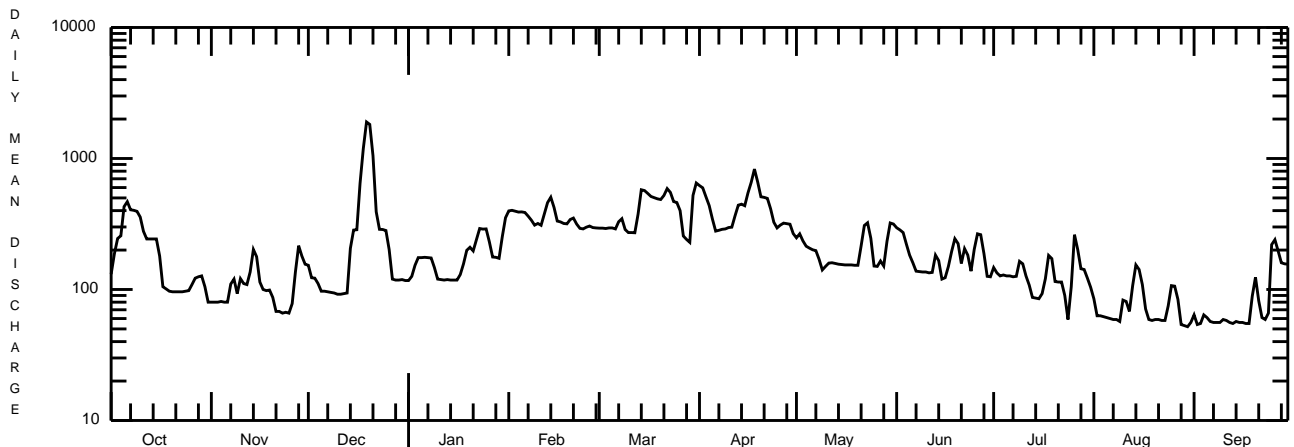
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1979, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	178	259	360	405	444	522	451	318	263	210	178	192
MAX	689	490	829	1193	917	914	806	712	1434	645	481	588
(WY)	1977	1973	1978	1979	1971	1978	1970	1953	1972	1969	1955	1975
MIN	55.8	67.5	84.4	124	178	202	170	116	72.8	57.5	41.9	54.8
(WY)	1964	1966	1966	1966	1969	1969	1966	1965	1965	1966	1966	1957

SUMMARY STATISTICS WATER YEARS 1951 - 1979

ANNUAL MEAN	314
HIGHEST ANNUAL MEAN	491
LOWEST ANNUAL MEAN	144
HIGHEST DAILY MEAN	12000
LOWEST DAILY MEAN	33
ANNUAL SEVEN-DAY MINIMUM	35
MAXIMUM PEAK FLOW	a17000
MAXIMUM PEAK STAGE	b15.65
INSTANTANEOUS LOW FLOW	23
ANNUAL RUNOFF (CFSM)	1.49
ANNUAL RUNOFF (INCHES)	20.23
10 PERCENT EXCEEDS	613
50 PERCENT EXCEEDS	211
90 PERCENT EXCEEDS	86

- a From rating curve extended above 3,600 ft³/s on basis of contracted-opening measurement of peak flow.
- b From floodmark in gage shelter.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001