

## SCHUYLKILL RIVER BASIN

## 01471980 MANATAWNY CREEK NEAR POTTSTOWN, PA

**LOCATION.**--Lat 40°16'22", long 75°40'49", Berks County, Hydrologic Unit 02040203, on left bank 180 ft upstream from bridge on Manatawny Street, 0.7 mi downstream from Ironstone Creek, 2.4 mi northwest of Pottstown, 3.1 mi upstream from mouth, and 4.7 mi southwest of Boyertown.

**DRAINAGE AREA.**--85.5 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 1974 to current year.

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 150.00 ft above sea level (levels by U.S. Army Corps of Engineers).

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of June 22, 1972 reached a stage of 17.1 ft from floodmarks, discharge, about 9,600 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 1,800 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Dec. 17	1845	*3,460	*7.74	July 26	0815	2,630	6.67
June 23	----	Unknown	Unknown				

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	44	42	57	e60	e190	106	234	91	81	169	48	42
2	44	43	49	e56	e165	104	189	87	177	230	44	36
3	42	42	e50	e54	e130	99	163	84	105	79	43	32
4	47	42	e47	e58	e100	103	148	78	83	85	44	35
5	156	42	e48	e54	e110	121	134	75	73	75	48	40
6	67	41	e50	e50	e120	106	182	72	68	77	42	35
7	55	41	e55	e50	e125	122	198	70	66	63	40	32
8	48	41	e50	e54	e120	157	203	69	62	60	39	31
9	44	42	e40	e58	e120	154	189	70	59	63	38	31
10	44	112	e41	e55	467	133	258	67	57	57	55	36
11	43	82	e38	e54	225	120	198	63	56	54	123	38
12	41	56	e38	e52	141	115	249	63	57	51	74	33
13	40	48	e38	e50	133	416	183	62	59	50	71	30
14	39	55	176	e50	135	248	152	60	55	49	52	29
15	38	70	138	e54	162	170	140	58	54	47	45	33
16	38	54	86	e56	152	155	266	57	60	47	42	30
17	40	49	1690	e60	228	202	189	57	105	45	40	29
18	94	46	397	e80	129	168	316	59	61	79	39	28
19	89	44	174	e230	113	131	233	61	53	52	38	28
20	57	43	142	e250	108	121	172	57	50	46	38	39
21	50	45	e125	e140	108	226	162	84	50	44	38	89
22	47	41	e100	e110	95	421	150	282	176	42	36	43
23	45	e40	e80	e100	105	193	136	161	e1500	40	35	35
24	44	e40	e60	e95	90	158	127	87	175	39	40	35
25	44	e49	e52	e105	112	140	118	70	101	40	36	328
26	44	177	e48	e85	227	131	111	228	81	891	34	71
27	44	120	e50	e80	157	119	107	507	71	95	33	47
28	43	64	e52	e75	123	113	102	233	64	62	36	41
29	42	55	e56	e90	---	113	94	120	60	56	35	38
30	43	68	e60	e220	---	812	93	104	59	56	32	35
31	41	---	e62	e240	---	343	---	84	---	51	32	---
TOTAL	1597	1734	4149	2825	4190	5820	5196	3320	3778	2894	1390	1429
MEAN	51.5	57.8	134	91.1	150	188	173	107	126	93.4	44.8	47.6
MAX	156	177	1690	250	467	812	316	507	1500	891	123	328
MIN	38	40	38	50	90	99	93	57	50	39	32	28
CFSM	.60	.68	1.57	1.07	1.75	2.20	2.03	1.25	1.47	1.09	.52	.56
IN.	.69	.75	1.81	1.23	1.82	2.53	2.26	1.44	1.64	1.26	.60	.62

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

MEAN	81.7	108	149	169	175	209	195	154	104	85.4	59.9	71.1
MAX	245	231	511	499	356	470	450	390	266	312	138	191
(WY)	1997	1997	1997	1979	1984	1994	1993	1989	1982	1984	1990	1987
MIN	34.0	37.9	32.2	28.0	69.0	69.6	53.6	67.4	36.1	18.2	21.6	27.1
(WY)	1983	1982	1999	1981	1980	1981	1985	1987	1999	1999	1981	1983

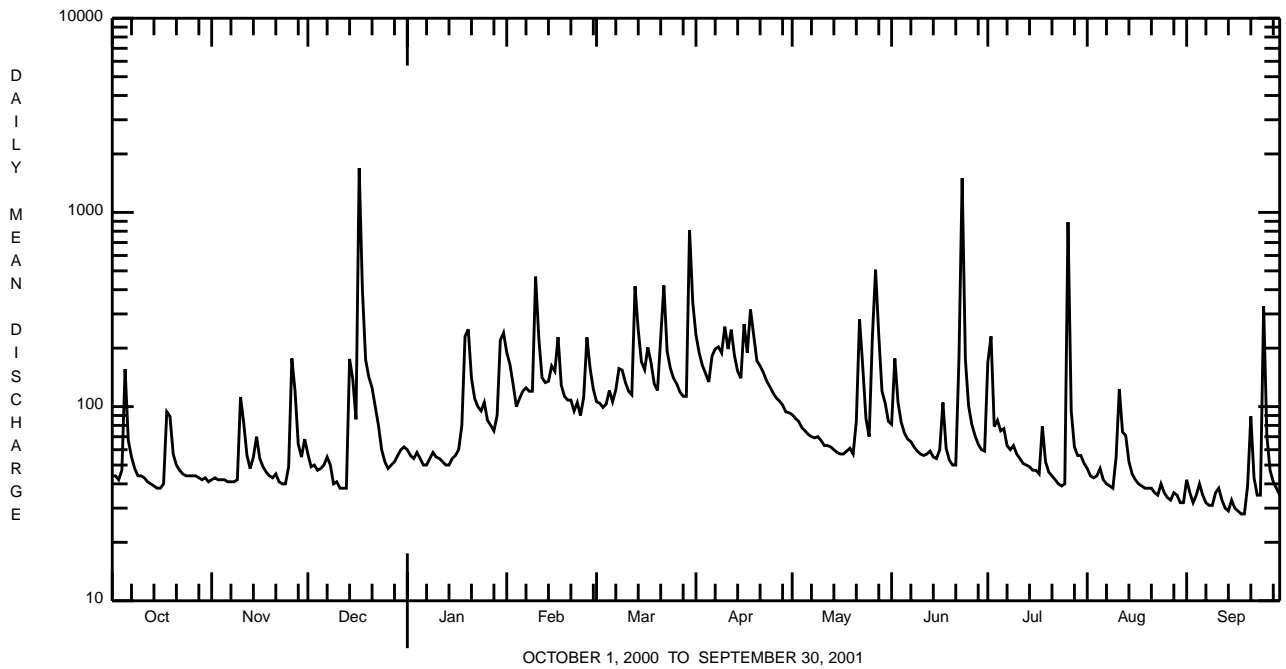
e Estimated.

SCHUYLKILL RIVER BASIN

01471980 MANATAWNY CREEK NEAR POTTSTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1974 - 2001	
ANNUAL TOTAL	41577		38322			
ANNUAL MEAN	114		105		130	
HIGHEST ANNUAL MEAN					230	1984
LOWEST ANNUAL MEAN					63.4	1981
HIGHEST DAILY MEAN	2340	Mar 22	1690	Dec 17	3010	Jul 7 1984
LOWEST DAILY MEAN	34	Sep 7,9,11,12	28	Sep 18,19	11	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	34	Sep 6	30	Sep 13	12	Aug 1 1999
MAXIMUM PEAK FLOW			a3460	Dec 17	a7550	Sep 9 1987
MAXIMUM PEAK STAGE			7.74	Dec 17	11.46	Sep 9 1987
INSTANTANEOUS LOW FLOW			28	Sep 17-20	9.1	Aug 3 1999
ANNUAL RUNOFF (CFSM)	1.33		1.23		1.52	
ANNUAL RUNOFF (INCHES)	18.09		16.67		20.61	
10 PERCENT EXCEEDS	199		189		240	
50 PERCENT EXCEEDS	66		62		84	
90 PERCENT EXCEEDS	42		38		34	

a From rating curve extended above 2,780 ft<sup>3</sup>/s.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001