

## 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)
Mar. 22	0500	*3,970	*8.33	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	51	63	65	e60	166	181	102	88	64	133	52
2	65	86	59	63	e60	147	169	111	84	61	133	73
3	55	226	58	66	e55	126	162	100	78	58	164	48
4	68	84	57	74	e60	113	196	93	74	60	273	44
5	139	67	56	95	e60	106	168	90	73	58	80	38
6	81	62	219	70	e60	98	143	88	247	54	63	35
7	64	58	145	64	e60	91	130	83	138	52	71	34
8	57	56	88	62	e60	88	126	77	89	48	59	35
9	54	54	76	61	e60	86	260	75	77	47	60	34
10	275	54	84	87	e60	86	201	95	71	47	54	35
11	181	53	101	158	e75	115	142	101	66	46	47	34
12	93	50	77	86	e85	434	137	77	174	44	47	34
13	76	49	74	75	e70	160	122	81	329	43	51	63
14	89	50	284	e70	e170	120	116	265	229	45	62	48
15	73	49	324	e65	e180	107	117	92	140	56	124	113
16	65	48	157	e60	186	104	144	77	123	61	59	55
17	63	47	114	e45	174	421	167	73	109	50	48	43
18	62	47	100	e60	125	184	199	71	131	47	46	40
19	58	46	89	e60	169	141	146	173	122	47	50	109
20	70	47	105	e65	152	125	125	250	92	56	44	224
21	76	51	177	e60	137	615	354	187	91	47	41	70
22	64	50	109	e60	135	2340	430	156	322	58	39	51
23	80	49	92	e60	160	627	222	178	120	48	39	45
24	71	52	84	e60	214	431	174	323	91	43	44	47
25	61	53	e80	e60	305	337	151	426	83	45	41	49
26	57	61	e90	e65	342	298	136	163	97	55	37	109
27	56	392	74	e60	230	246	136	127	83	80	41	90
28	54	120	71	e60	509	614	129	120	74	57	66	59
29	53	80	68	e60	221	293	119	110	71	48	45	50
30	52	69	65	e55	---	230	110	98	69	59	44	45
31	52	---	66	e60	---	199	---	92	---	57	51	---
TOTAL	2464	2261	3306	2111	4234	9248	5112	4154	3635	1641	2156	1806
MEAN	79.5	75.4	107	68.1	146	298	170	134	121	52.9	69.5	60.2
MAX	275	392	324	158	509	2340	430	426	329	80	273	224
MIN	52	46	56	45	55	86	110	71	66	43	37	34
CFSM	.93	.88	1.25	.80	1.71	3.49	1.99	1.57	1.42	.62	.81	.70
IN.	1.07	.98	1.44	.92	1.84	4.02	2.22	1.81	1.58	.71	.94	.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

MEAN	82.9	110	149	172	176	210	196	156	103	85.1	60.5	71.9
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.

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000	
ANNUAL TOTAL	34529		42128			
ANNUAL MEAN	94.6		115		131	
HIGHEST ANNUAL MEAN					230	1984
LOWEST ANNUAL MEAN					63.4	1981
HIGHEST DAILY MEAN	1910	Sep 16	2340	Mar 22	3010	Jul 7 1984
LOWEST DAILY MEAN	11	Aug 3,4,7	34	Sep 7,9,11,12	11	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	12	Aug 1	34	Sep 6	12	Aug 1 1999
INSTANTANEOUS PEAK FLOW			a3970	Mar 22	a7550	Sep 9 1987
INSTANTANEOUS PEAK STAGE			8.33	Mar 22	11.46	Sep 9 1987
INSTANTANEOUS LOW FLOW			33	Sep 11-13	9.1	Aug 3 1999
ANNUAL RUNOFF (CFSM)	1.11		1.35		1.53	
ANNUAL RUNOFF (INCHES)	15.02		18.33		20.76	
10 PERCENT EXCEEDS	156		220		243	
50 PERCENT EXCEEDS	67		75		84	
90 PERCENT EXCEEDS	20		47		34	

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

