

## 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 National Geodetic Vertical Datum of 1929 (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)
May 14	0045	*4,680	*9.11	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	28	39	e30	69	36	79	120	71	49	25	34
2	34	29	34	e30	89	37	68	202	68	47	23	54
3	33	30	32	e30	60	164	65	168	63	45	24	32
4	32	30	30	e33	56	78	69	99	63	42	24	26
5	30	29	30	e38	e52	56	61	86	64	40	23	23
6	30	29	30	56	e48	51	57	80	139	38	25	21
7	32	28	30	114	52	50	54	75	415	37	23	20
8	30	29	34	89	52	47	54	71	101	37	20	20
9	30	29	68	75	48	45	53	98	80	37	19	19
10	30	29	46	70	46	48	62	93	73	38	19	19
11	30	29	37	132	50	45	57	71	68	36	18	19
12	30	28	36	135	47	44	52	72	68	34	18	17
13	31	28	35	69	45	48	53	927	65	34	18	18
14	31	29	42	55	e42	50	57	1580	95	34	16	19
15	43	30	62	51	44	46	185	364	90	35	16	23
16	38	30	42	50	43	45	89	229	72	33	16	37
17	36	29	38	47	41	45	67	169	64	30	17	27
18	35	29	73	44	40	96	59	620	60	30	16	23
19	31	29	63	41	39	101	56	284	66	31	16	22
20	30	31	44	e42	40	340	59	179	60	42	17	22
21	29	34	38	e38	41	234	55	149	55	36	20	22
22	28	31	35	e38	39	105	68	130	52	32	17	23
23	28	30	34	41	38	84	68	118	49	29	19	24
24	28	30	43	160	37	74	55	110	48	44	38	24
25	28	40	41	140	38	68	56	99	47	35	45	23
26	27	89	35	68	38	67	67	96	46	30	24	28
27	27	42	e30	57	40	155	54	94	60	30	21	182
28	27	35	e30	52	38	89	257	88	263	32	20	105
29	27	33	e30	50	---	73	426	84	65	31	70	44
30	28	33	e29	49	---	68	129	80	53	28	42	34
31	28	---	e27	63	---	63	---	75	---	26	27	---
TOTAL	955	979	1217	1987	1312	2552	2591	6710	2583	1102	736	1004
MEAN	30.8	32.6	39.3	64.1	46.9	82.3	86.4	216	86.1	35.5	23.7	33.5
MAX	43	89	73	160	89	340	426	1580	415	49	70	182
MIN	27	28	27	30	37	36	52	71	46	26	16	17
CFSM	0.36	0.38	0.46	0.75	0.55	0.96	1.01	2.53	1.01	0.42	0.28	0.39
IN.	0.42	0.43	0.53	0.86	0.57	1.11	1.13	2.92	1.12	0.48	0.32	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2002, BY WATER YEAR (WY)

MEAN	79.9	106	145	165	171	205	191	156	103	83.6	58.7	69.8
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	30.8	32.6	32.2	28.0	46.9	69.6	53.6	67.4	36.1	18.2	21.6	27.1
(WY)	2002	2002	1999	1981	2002	1981	1985	1987	1999	1999	1981	1983

e Estimated.

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01471980 MANATAWNY CREEK NEAR POTTSTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1974 - 2002	
ANNUAL TOTAL	33993		23728		127	
ANNUAL MEAN	93.1		65.0		230	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					63.4	
HIGHEST DAILY MEAN	e1500	Jun 23	1580	May 14	3010	Jul 7 1984
LOWEST DAILY MEAN	27	Oct 26-29a	16	Aug 14-16b	11	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	27	Oct 23	16	Aug 14	12	Aug 1 1999
MAXIMUM PEAK FLOW			c4680	May 14	c7550	Sep 9 1987
MAXIMUM PEAK STAGE			9.11	May 14	11.46	Sep 9 1987
INSTANTANEOUS LOW FLOW			15	Aug 11	9.1	Aug 3 1999
ANNUAL RUNOFF (CFSM)	1.09		0.76		1.49	
ANNUAL RUNOFF (INCHES)	14.79		10.32		20.25	
10 PERCENT EXCEEDS	189		100		237	
50 PERCENT EXCEEDS	57		42		81	
90 PERCENT EXCEEDS	30		23		33	

- a Also Dec. 31.
- b Also Aug. 18, 19.
- c From rating curve extended above 2,780 ft<sup>3</sup>/s.
- e Estimated.

