

SCHUYLKILL RIVER BASIN

01471875 MANATAWNY CREEK NEAR SPANGSVILLE, PA

LOCATION.--Lat 40°20'22", long 75°44'33", Berks County, Hydrologic Unit 02040203, on left bank 200 ft north of powerline across stream, 1.2 mi south of Spangsville, and 1.3 mi north of SR 562 and Earlville.

DRAINAGE AREA.--56.9 mi².

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 265 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
May 13	2115	*2,860	*7.64	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	31	27	32	22	64	28	59	110	60	40	19	27
2	30	28	26	22	66	28	47	186	56	38	18	38
3	30	28	24	22	46	108	45	136	52	36	19	22
4	29	28	24	24	43	50	49	92	52	34	18	19
5	28	27	23	24	40	37	41	79	53	32	17	17
6	30	26	23	27	37	35	39	70	125	31	19	16
7	31	26	23	47	39	34	38	66	319	31	17	15
8	29	26	25	e35	38	32	37	61	91	30	16	15
9	29	26	55	33	36	32	38	91	72	30	14	15
10	30	26	31	33	35	35	51	84	61	31	14	15
11	29	26	28	63	38	32	40	60	56	28	14	15
12	29	26	25	68	34	31	37	74	56	28	14	15
13	29	26	e26	49	33	34	38	837	55	28	13	15
14	31	26	e33	41	31	34	44	778	71	28	13	16
15	46	27	e58	39	31	32	182	217	77	29	13	18
16	31	26	e36	39	33	31	75	167	62	26	14	27
17	36	26	e33	36	32	30	55	139	51	26	14	19
18	31	26	64	34	30	68	48	474	48	25	14	17
19	29	26	43	e30	30	67	46	184	57	25	14	17
20	29	30	32	e28	30	213	50	144	47	33	17	17
21	27	29	28	31	31	122	45	128	43	26	16	17
22	27	26	26	31	30	68	61	116	41	25	15	18
23	27	26	25	34	29	54	54	107	40	26	18	19
24	27	26	31	133	28	49	45	99	38	29	23	18
25	27	39	29	91	29	45	49	91	37	24	29	17
26	26	62	26	53	29	44	56	85	37	21	18	19
27	26	30	23	44	31	118	44	84	107	21	16	119
28	26	27	23	40	29	61	254	75	200	21	16	56
29	27	26	23	38	---	51	301	71	53	20	45	27
30	27	27	22	38	---	47	113	68	43	20	25	22
31	27	---	e20	52	---	43	---	63	---	19	19	---
TOTAL	911	851	940	1301	1002	1693	2081	5036	2160	861	551	707
MEAN	29.4	28.4	30.3	42.0	35.8	54.6	69.4	162	72.0	27.8	17.8	23.6
MAX	46	62	64	133	66	213	301	837	319	40	45	119
MIN	26	26	20	22	28	28	37	60	37	19	13	15
CFSM	0.52	0.50	0.53	0.74	0.63	0.96	1.22	2.86	1.27	0.49	0.31	0.41
IN.	0.60	0.56	0.61	0.85	0.66	1.11	1.36	3.29	1.41	0.56	0.36	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	57.5	67.3	96.7	101	97.0	155	124	98.3	71.3	49.9	35.6	39.6
MAX	139	154	326	201	141	353	201	162	108	88.1	79.5	95.0
(WY)	1997	1997	1997	1996	1996	1994	1996	2002	1998	1996	1994	1999
MIN	27.4	28.4	21.1	42.0	35.8	54.6	69.4	50.8	26.3	14.6	13.6	18.9
(WY)	1998	2002	1999	2002	2002	2002	2002	1999	1999	1999	1999	1995

e Estimated.

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01471875 MANATAWNY CREEK NEAR SPANGSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	24696		18094			
ANNUAL MEAN	67.7		49.6		82.7	
HIGHEST ANNUAL MEAN					125	1994
LOWEST ANNUAL MEAN					49.6	2002
HIGHEST DAILY MEAN	814	Jul 26	837	May 13	1620	Oct 19 1996
LOWEST DAILY MEAN	e20	Dec 31	13	Aug 13-15	8.8	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	a24	Dec 25	14	Aug 9	9.5	Aug 1 1999
MAXIMUM PEAK FLOW			b2860	May 13	b3380	Oct 19 1996
MAXIMUM PEAK STAGE			7.64	May 13	8.11	Oct 19 1996
INSTANTANEOUS LOW FLOW			c12	Dec 30	7.5	Jan 17 2000
ANNUAL RUNOFF (CFSM)	1.19		0.87		1.45	
ANNUAL RUNOFF (INCHES)	16.15		11.83		19.76	
10 PERCENT EXCEEDS	123		84		157	
50 PERCENT EXCEEDS	48		31		53	
90 PERCENT EXCEEDS	26		18		23	

- a Computed using estimated daily discharges.
- b From rating curve extended above 1,200 ft³/s.
- c Result of freezeup.
- e Estimated.

