

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 sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges and those above 1,200 ft³/s, which are 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)
Mar. 22	0245	*2,250	*7.03	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	71	33	41	43	e35	113	120	76	64	44	69	36
2	48	67	38	43	e35	100	115	82	60	42	101	61
3	40	169	38	46	e30	86	111	74	56	41	119	35
4	51	59	38	50	35	77	135	70	53	42	138	32
5	104	44	37	73	35	72	113	68	53	40	51	27
6	62	39	172	46	34	65	102	65	177	37	43	25
7	48	36	100	43	35	61	95	61	93	35	51	25
8	42	34	61	41	e35	59	93	58	66	33	38	25
9	40	35	52	40	e35	59	174	55	57	33	42	25
10	170	35	62	80	e35	57	127	68	52	34	35	24
11	111	34	75	108	49	101	101	69	48	32	32	25
12	68	32	53	59	e55	288	98	57	169	30	35	24
13	58	32	49	51	44	112	89	84	163	31	34	53
14	71	32	181	40	111	87	86	179	167	32	72	31
15	57	32	179	e40	119	77	88	69	101	47	76	73
16	51	31	104	40	94	73	99	59	90	42	41	36
17	47	31	79	e25	109	249	104	55	76	35	33	29
18	48	30	68	e35	78	115	117	54	107	33	33	27
19	46	31	61	35	86	95	92	110	85	34	35	74
20	59	32	77	37	78	85	85	140	69	40	31	122
21	60	36	131	e35	74	353	207	111	65	32	28	44
22	50	33	76	e35	78	1330	196	93	181	46	27	33
23	72	33	63	36	106	298	123	99	78	33	29	32
24	55	37	56	36	160	218	106	215	64	31	33	33
25	46	36	47	35	219	184	97	261	58	32	29	33
26	43	51	48	42	220	172	92	104	70	43	26	67
27	41	286	48	e35	172	149	95	88	58	59	27	55
28	39	86	46	e35	311	363	90	84	53	39	46	37
29	37	56	44	37	143	166	84	78	51	38	31	33
30	36	47	42	e30	---	142	78	72	50	42	29	31
31	34	---	45	e35	---	129	---	68	---	44	38	---
TOTAL	1805	1569	2211	1366	2650	5535	3312	2826	2534	1176	1452	1207
MEAN	58.2	52.3	71.3	44.1	91.4	179	110	91.2	84.5	37.9	46.8	40.2
MAX	170	286	181	108	311	1330	207	261	181	59	138	122
MIN	34	30	37	25	30	57	78	54	48	30	26	24
CFSM	1.02	.92	1.25	.77	1.61	3.14	1.94	1.60	1.48	.67	.82	.71
IN.	1.18	1.03	1.45	.89	1.73	3.62	2.17	1.85	1.66	.77	.95	.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	64.8	76.6	108	116	106	174	133	91.7	67.7	47.9	38.3	42.0
MAX	139	154	326	201	141	353	201	142	108	88.1	79.5	95.0
(WY)	1997	1997	1997	1996	1996	1994	1996	1998	1998	1996	1994	1999
MIN	27.4	37.3	21.1	44.1	75.5	99.7	70.4	50.8	26.3	14.6	13.6	18.9
(WY)	1998	1999	1999	2000	1995	1999	1995	1999	1999	1999	1999	1995

e Estimated.

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01471875 MANATAWNY CREEK NEAR SPANGSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	22941.1		27643			
ANNUAL MEAN	62.9		75.5		88.8	
HIGHEST ANNUAL MEAN					125	1994
LOWEST ANNUAL MEAN					57.4	1999
HIGHEST DAILY MEAN	1110	Sep 16	1330	Mar 22	1620	Oct 19 1996
LOWEST DAILY MEAN	8.8	Aug 3	24	Sep 10,12	8.8	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 1	25	Sep 6	9.5	Aug 1 1999
INSTANTANEOUS PEAK FLOW			a2250	Mar 22	a3380	Oct 19 1996
INSTANTANEOUS PEAK STAGE			7.03	Mar 22	8.11	Oct 19 1996
INSTANTANEOUS LOW FLOW			7.5	Jan 17	7.5	Jan 17 2000
ANNUAL RUNOFF (CFSM)	1.10		1.33		1.56	
ANNUAL RUNOFF (INCHES)	15.00		18.07		21.20	
10 PERCENT EXCEEDS	103		139		169	
50 PERCENT EXCEEDS	47		54		57	
90 PERCENT EXCEEDS	13		32		23	

a From rating curve extended above 1,200 ft³/s.

