

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 good except those for estimated daily discharges and those greater than 1,560 ft³/s, which are poor. 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)
June 21	0030	*2,990	*7.76	Sept. 15	2030	1,770	6.48
July 23	0315	1,800	6.52	Sept. 23	1145	2,500	7.29

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	73	59	278	67	93	148	88	253	108	67	63
2	19	62	53	309	70	190	154	87	121	103	68	147
3	19	53	51	192	70	e170	136	82	96	101	67	123
4	28	48	e44	220	101	120	128	80	431	96	86	97
5	29	46	e47	158	86	218	138	80	190	95	307	81
6	22	100	e45	145	66	276	122	82	136	95	298	67
7	20	63	e48	132	70	154	123	80	277	94	115	62
8	19	52	e50	133	e57	152	133	89	218	98	93	59
9	19	50	46	146	e53	267	195	83	152	86	90	57
10	22	48	51	139	e56	177	185	83	127	95	299	56
11	308	50	195	113	e54	127	275	80	116	93	139	54
12	171	101	414	99	e52	126	202	77	114	81	146	53
13	57	127	200	e90	e45	183	155	72	187	75	102	83
14	41	66	518	e83	e45	197	141	70	203	72	102	134
15	34	55	214	e78	e43	165	134	68	124	71	82	796
16	231	112	150	e75	e41	188	129	68	107	70	87	271
17	142	430	118	e72	e46	212	123	82	99	67	86	128
18	59	324	101	e68	e50	177	126	74	130	66	74	106
19	46	122	98	e68	e55	146	123	69	123	81	69	311
20	43	94	290	e70	e58	260	113	64	674	65	66	135
21	37	86	167	e66	e60	554	109	84	1120	79	65	110
22	34	111	120	e64	e300	216	123	73	373	287	69	101
23	32	97	108	e60	581	175	109	70	250	573	82	1040
24	31	74	98	e55	260	157	101	89	193	133	63	219
25	33	67	193	e58	158	145	97	88	168	95	60	158
26	143	62	175	e60	119	149	137	258	151	81	60	206
27	63	75	127	e55	104	171	122	124	138	75	61	148
28	46	69	113	e51	98	135	100	94	126	72	60	358
29	45	61	110	e55	---	180	96	83	120	69	57	162
30	129	60	105	e57	---	231	92	75	115	64	61	133
31	147	---	123	e60	---	181	---	78	---	63	63	---
TOTAL	2089	2838	4231	3309	2865	5892	4069	2674	6632	3303	3144	5518
MEAN	67.4	94.6	136	107	102	190	136	86.3	221	107	101	184
MAX	308	430	518	309	581	554	275	258	1120	573	307	1040
MIN	19	46	44	51	41	93	92	64	96	63	57	53
CFSM	1.18	1.66	2.40	1.88	1.80	3.34	2.38	1.52	3.89	1.87	1.78	3.23
IN.	1.37	1.86	2.77	2.16	1.87	3.85	2.66	1.75	4.34	2.16	2.06	3.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	58.5	70.0	101	102	97.5	158	125	97.1	86.3	55.6	42.2	54.1
MAX	139	154	326	201	141	353	201	162	221	107	101	184
(WY)	1997	1997	1997	1996	1996	1994	1996	2002	2003	2003	2003	2003
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	24550		46564			
ANNUAL MEAN	67.3		128		87.2	
HIGHEST ANNUAL MEAN					128	2003
LOWEST ANNUAL MEAN					49.6	2002
HIGHEST DAILY MEAN	837	May 13	1120	Jun 21	1620	Oct 19 1996
LOWEST DAILY MEAN	13	Aug 13-15	19	Oct 2,3,8,9	8.8	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	14	Aug 9	22	Oct 2	9.5	Aug 1 1999
MAXIMUM PEAK FLOW			a2990	Jun 21	a3380	Oct 19 1996
MAXIMUM PEAK STAGE			7.76	Jun 21	8.11	Oct 19 1996
INSTANTANEOUS LOW FLOW			18	Oct 2,3,8,9	7.5	Jan 17 2000
ANNUAL RUNOFF (CFSM)	1.18		2.24		1.53	
ANNUAL RUNOFF (INCHES)	16.05		30.44		20.83	
10 PERCENT EXCEEDS	128		224		167	
50 PERCENT EXCEEDS	43		96		57	
90 PERCENT EXCEEDS	18		50		24	

a From rating curve extended above 1,560 ft³/s.

