



2005 Water Year
SCHUYLKILL RIVER BASIN
01471875 Manatawny Creek near Spangville, PA

Latitude: 40° 20' 22"

Longitude: 075° 44' 33"

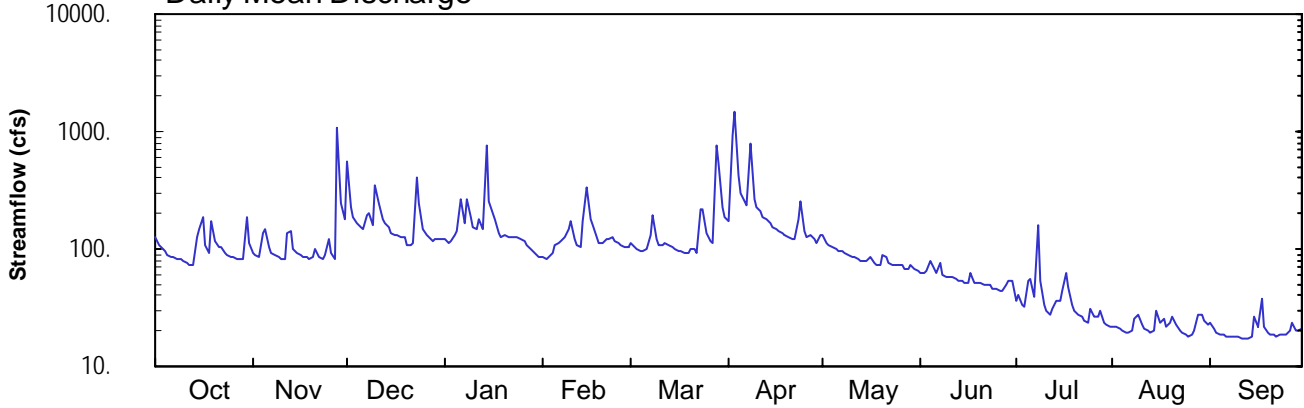
Hydrologic Unit Code: 02040203

Berks County

Datum: 265. feet

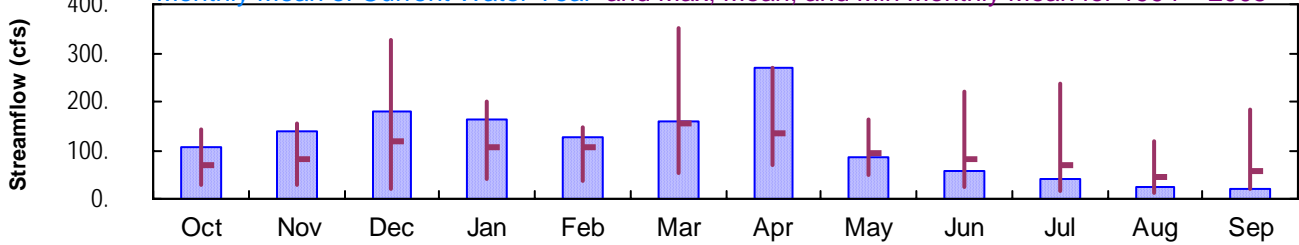
Drainage Area: 56.9 mi²

Daily Mean Discharge

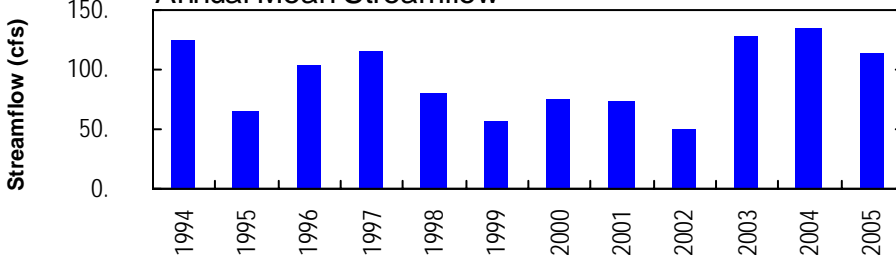


Monthly Statistics

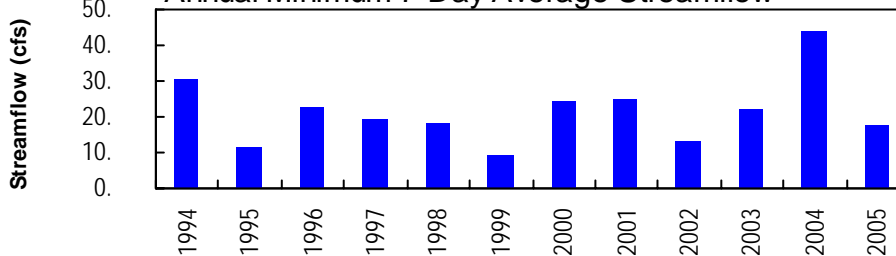
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1994 – 2005



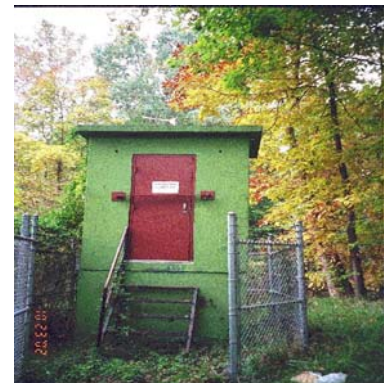
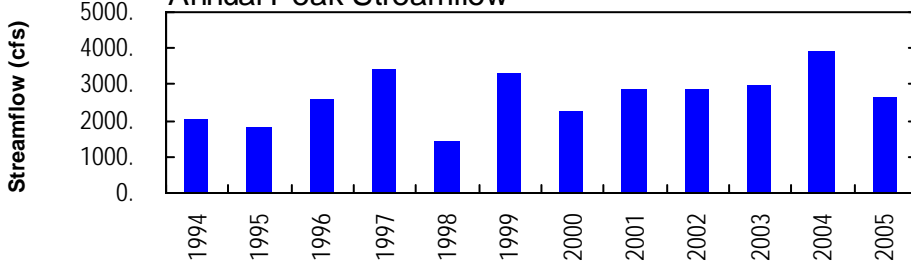
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01471875--Manatawny Creek near Spangville

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 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)
Nov. 28	1200	*2,660	*7.45	Mar. 28	2130	2,050	6.81
Dec. 1	1245	1,310	5.88	Apr. 2	2215	2,590	7.38
Dec. 23	2115	1,350	5.93	Apr. 8	0430	2,020	6.77
Jan. 14	1430	1,700	6.39				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	94	558	123	e84	110	170	131	62	36	22	23
2	110	88	229	114	e81	104	911	111	62	41	22	21
3	104	86	187	115	e85	98	1500	109	65	34	21	20
4	97	137	166	129	e92	95	421	103	78	32	20	19
5	91	149	154	139	107	95	299	99	67	53	20	19
6	87	102	145	261	112	100	254	97	63	57	20	18
7	84	94	191	169	117	134	239	95	76	39	20	18
8	82	89	199	267	124	196	802	92	61	161	26	18
9	81	84	160	185	149	e120	264	88	58	53	27	18
10	80	82	343	154	175	109	230	86	59	34	23	18
11	76	83	245	146	124	108	206	85	58	30	21	17
12	75	137	179	181	109	114	189	82	56	28	21	18
13	74	141	167	150	103	110	178	79	54	31	20	17
14	124	99	151	747	172	105	165	79	53	37	20	18
15	149	92	139	251	336	99	154	79	51	36	30	27
16	190	89	133	199	178	97	147	85	52	45	23	21
17	108	86	133	177	160	96	142	77	62	62	26	37
18	91	85	126	e135	128	94	137	74	52	47	22	22
19	175	84	126	e128	114	92	132	73	52	33	24	19
20	118	86	109	e130	112	98	127	89	52	30	27	19
21	103	99	108	e125	120	99	122	85	50	27	23	19
22	102	86	111	e125	120	91	120	76	49	26	20	18
23	93	83	410	e128	124	218	181	73	49	25	20	19
24	89	89	250	e125	116	219	253	72	45	23	19	19
25	87	123	148	e120	111	134	142	73	45	31	18	18
26	85	93	131	e115	108	119	127	72	44	27	19	20
27	83	84	126	e110	105	114	133	68	45	27	20	24
28	81	1100	115	e100	105	756	119	67	49	30	28	20
29	82	250	120	e96	---	542	112	72	54	24	27	20
30	189	182	122	e90	---	223	132	67	54	23	24	21
31	111	---	124	e85	---	187	---	65	---	22	23	---
TOTAL	3227	4176	5605	5119	3571	4876	8108	2603	1677	1204	696	605
MEAN	104	139	181	165	128	157	270	84.0	55.9	38.8	22.5	20.2
MAX	190	1100	558	747	336	756	1500	131	78	161	30	37
MIN	74	82	108	85	81	91	112	65	44	22	18	17
CFSM	1.83	2.45	3.18	2.90	2.24	2.76	4.75	1.48	0.98	0.68	0.39	0.35
IN.	2.11	2.73	3.66	3.35	2.33	3.19	5.30	1.70	1.10	0.79	0.46	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	69.3	82.2	116	107	104	154	137	94.7	83.2	69.2	46.8	58.6
MAX	143	154	326	201	148	353	270	162	221	236	118	184
(WY)	2004	1997	1997	1996	2004	1994	2005	2002	2003	2004	2004	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.

SCHUYLKILL RIVER BASIN

01471875 MANATAWNY CREEK NEAR SPANGSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	47288		41467			
ANNUAL MEAN	129		114		93.4	
HIGHEST ANNUAL MEAN					135	2004
LOWEST ANNUAL MEAN					49.6	2002
HIGHEST DAILY MEAN	1610	Jul 12	1500	Apr 3	1620	Oct 19 1996
LOWEST DAILY MEAN	39	Jul 11	17	Sep 11,13	8.8	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	44	Jul 1	18	Sep 7	9.5	Aug 1 1999
MAXIMUM PEAK FLOW			a2660	Nov 28	a3890	Jul 12 2004
MAXIMUM PEAK STAGE			7.45	Nov 28	8.53	Jul 12 2004
INSTANTANEOUS LOW FLOW			17	Sep 11,13	7.5	Jan 17 2000
ANNUAL RUNOFF (CFSM)	2.27		2.00		1.64	
ANNUAL RUNOFF (INCHES)	30.92		27.11		22.31	
10 PERCENT EXCEEDS	190		188		171	
50 PERCENT EXCEEDS	96		92		64	
90 PERCENT EXCEEDS	61		21		24	

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

