



2004 Water Year
SCHUYLKILL RIVER BASIN

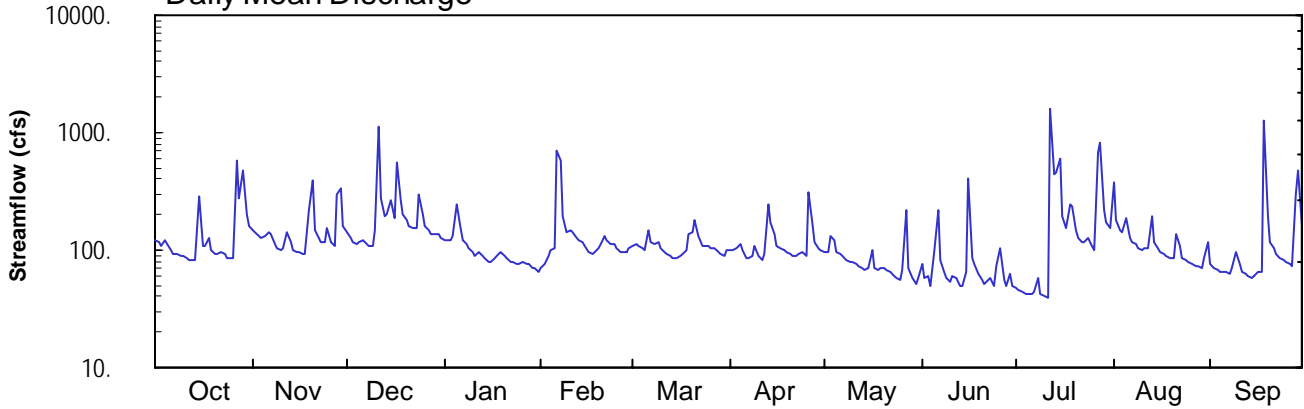
01471875 Manatawny Creek near Spangsville, PA

Latitude: 40° 20' 22"
Berks County

Longitude: 075° 44' 33"
Datum: 265. feet

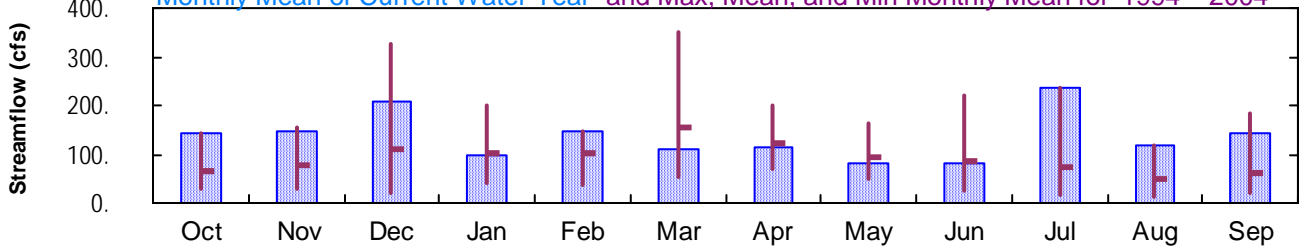
Hydrologic Unit Code: 02040203
Drainage Area: 56.9 mi²

Daily Mean Discharge

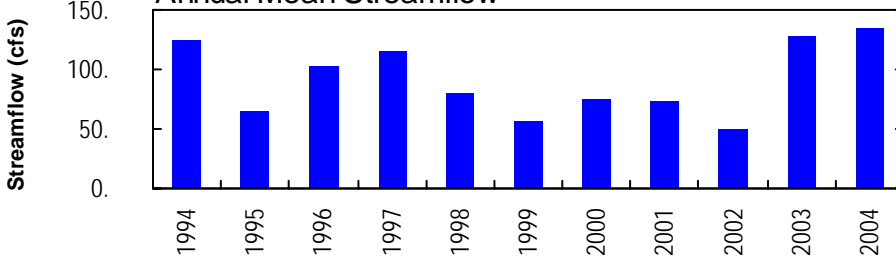


Monthly Statistics

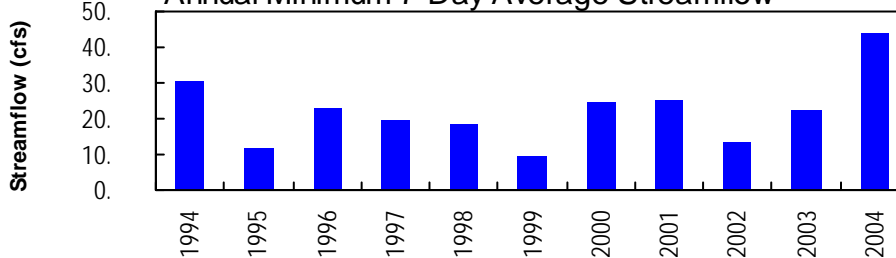
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1994 – 2004



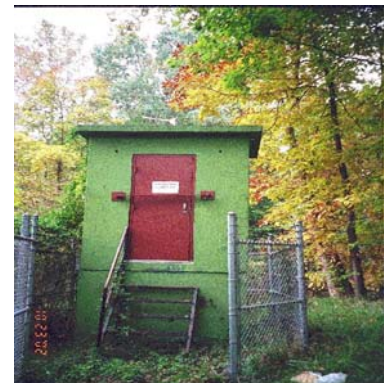
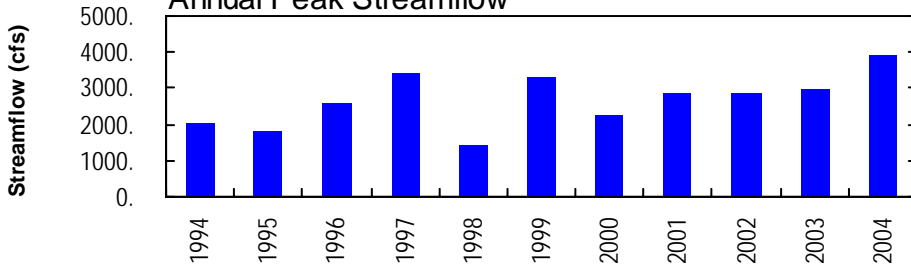
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01471875--Manatawny Creek near Spangsville

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)
Dec. 11	1630	1,770	6.48	July 15	0130	1,790	6.51
Feb. 6	2000	1,740	6.45	July 27	2330	2,180	6.95
June 16	0430	1,320	5.89	Sept. 18	1515	2,710	7.50
July 12	1830	*3,890	*8.53	Sept. 29	0130	1,440	6.06

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	149	141	123	e70	107	101	95	77	47	374	77
2	115	141	128	122	e75	113	100	96	57	46	181	70
3	107	134	117	121	e90	107	103	132	61	44	150	68
4	120	127	113	131	e100	106	111	122	50	42	140	66
5	114	130	119	241	e105	101	98	98	98	42	190	65
6	100	142	124	154	e700	149	86	91	221	42	128	66
7	94	136	115	120	583	115	84	88	83	43	117	63
8	92	111	108	111	192	111	88	82	64	58	110	70
9	89	103	106	105	141	116	108	79	57	43	105	96
10	88	100	148	e95	149	105	87	78	53	40	101	76
11	87	102	1120	e90	141	98	83	75	61	39	102	65
12	83	140	274	e95	126	93	93	72	57	1610	104	62
13	81	117	191	e90	121	87	245	69	50	442	198	61
14	81	102	199	e85	116	85	173	68	50	457	115	59
15	291	98	262	e80	107	85	134	70	66	596	104	60
16	109	95	186	e80	95	91	110	99	410	194	97	65
17	108	93	558	e85	93	94	104	71	84	156	91	64
18	126	92	263	e90	96	100	99	68	76	248	88	1270
19	101	216	200	e95	103	135	95	70	63	232	87	193
20	92	394	179	e90	111	141	91	71	56	147	84	118
21	91	149	161	e85	130	183	91	67	52	126	136	103
22	98	128	156	e80	123	132	88	65	55	115	108	93
23	93	117	154	e80	111	109	91	60	58	116	86	85
24	86	115	301	e75	111	106	95	58	50	127	81	81
25	84	151	202	e75	103	107	87	55	73	106	78	79
26	85	115	158	e80	98	103	306	67	103	101	75	77
27	573	107	147	e75	97	104	174	221	56	683	74	74
28	274	301	139	e75	97	98	119	69	50	811	73	301
29	469	337	135	e70	103	91	106	57	64	221	70	482
30	203	157	135	e70	---	89	99	52	50	175	84	163
31	163	---	128	e65	---	98	---	58	---	154	118	---
TOTAL	4419	4399	6467	3033	4287	3359	3449	2523	2405	7303	3649	4272
MEAN	143	147	209	97.8	148	108	115	81.4	80.2	236	118	142
MAX	573	394	1120	241	700	183	306	221	410	1610	374	1270
MIN	81	92	106	65	70	85	83	52	50	39	70	59
CFSM	2.51	2.58	3.67	1.72	2.60	1.90	2.02	1.43	1.41	4.14	2.07	2.50
IN.	2.89	2.88	4.23	1.98	2.80	2.20	2.25	1.65	1.57	4.77	2.39	2.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	66.2	77.0	110	101	102	154	124	95.6	85.7	72.0	49.0	62.1
MAX	143	154	326	201	148	353	201	162	221	236	118	184
(WY)	2004	1997	1997	1996	2004	1994	1996	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	52691		49565			
ANNUAL MEAN	144		135		91.6	
HIGHEST ANNUAL MEAN					135	2004
LOWEST ANNUAL MEAN					49.6	2002
HIGHEST DAILY MEAN	1120	Jun 21	1610	Jul 12	1620	Oct 19 1996
LOWEST DAILY MEAN	e41	Feb 16	39	Jul 11	8.8	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	a46	Feb 12	44	Jul 1	9.5	Aug 1 1999
MAXIMUM PEAK FLOW			b3890	Jul 12	b3890	Jul 12 2004
MAXIMUM PEAK STAGE			8.53	Jul 12	8.53	Jul 12 2004
INSTANTANEOUS LOW FLOW			37	Jul 11,12	7.5	Jan 17 2000
ANNUAL RUNOFF (CFSM)	2.54		2.38		1.61	
ANNUAL RUNOFF (INCHES)	34.45		32.40		21.88	
10 PERCENT EXCEEDS	261		202		169	
50 PERCENT EXCEEDS	113		100		62	
90 PERCENT EXCEEDS	63		61		25	

- a Computed using estimated daily discharges.
- b From rating curve extended above 1,560 ft³/s.
- e Estimated.