



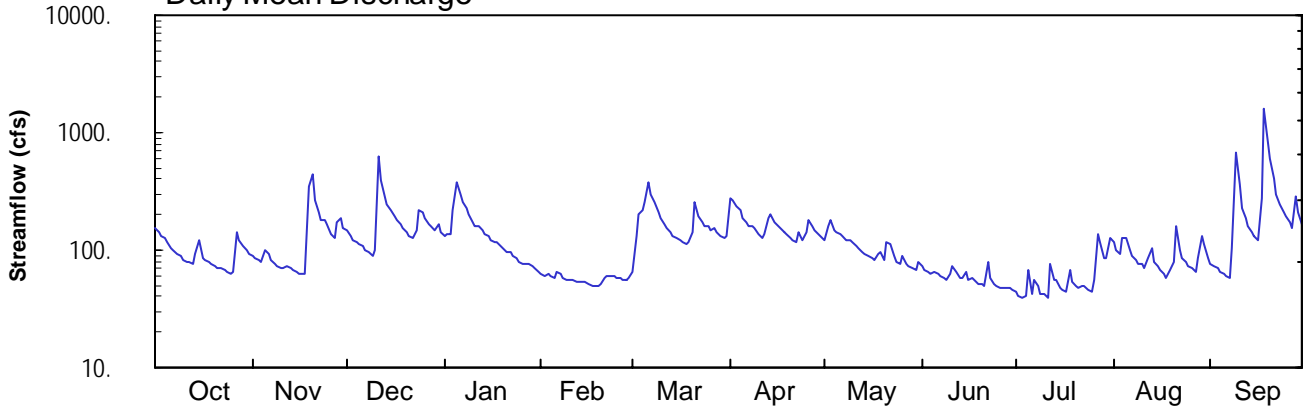
2004 Water Year
 WEST BRANCH SUSQUEHANNA RIVER BASIN
 01546400 Spring Creek at Houserville, PA

Latitude: 40° 50' 01"
 Centre County

Longitude: 077° 49' 40"
 Datum: 926.63 feet

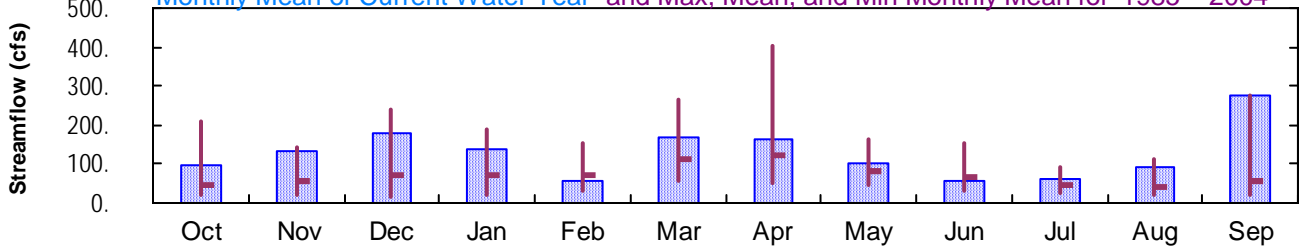
Hydrologic Unit Code: 02050204
 Drainage Area: 58.5 mi²

Daily Mean Discharge

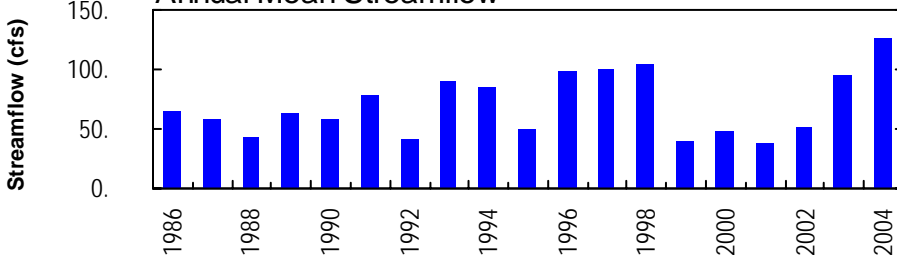


Monthly Statistics

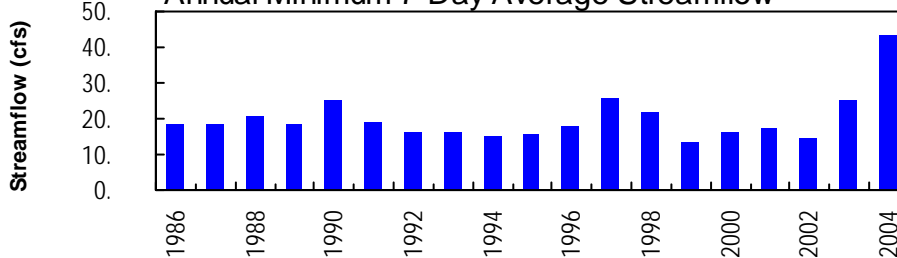
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



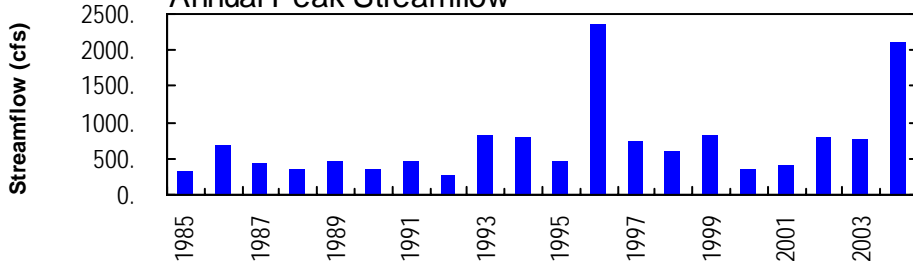
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA

LOCATION.--Lat 40°50'01", long 77°49'40", Centre County, Hydrologic Unit 02050204, on right bank 15 ft upstream from bridge on Township Route 365, 0.7 mi north of Houserville, 1.3 mi downstream from Slab Cabin Run, and 3.3 mi northeast of State College.

DRAINAGE AREA.--58.5 mi².

PERIOD OF RECORD.--November 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 926.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 19	2300	685	6.54	Aug. 29	2100	Unknown	6.21
Dec. 11	1145	762	6.85	Sept. 9	1330	822	7.09
Jan. 5	1000	430	5.52	Sept. 18	0745	*2,110	*9.76
Mar. 6	0800	432	5.53	Sept. 28	0500	445	5.58
Apr. 1	1330	402	5.41				

**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	155	88	145	132	62	65	274	122	73	44	116	78
2	141	84	133	136	60	130	268	158	68	41	99	73
3	129	81	122	136	63	201	234	180	66	40	91	70
4	129	80	115	217	60	221	216	148	62	40	128	66
5	117	101	113	381	57	256	189	143	66	69	127	63
6	106	91	109	301	64	376	170	135	62	43	99	60
7	99	82	101	252	63	293	160	130	60	56	90	59
8	93	76	94	223	58	256	162	121	57	50	82	104
9	88	73	90	203	57	211	153	120	56	42	76	681
10	83	71	98	174	56	184	135	116	62	42	76	357
11	80	72	621	161	55	166	126	108	72	39	72	230
12	78	74	393	157	54	156	138	102	64	77	87	186
13	76	70	282	147	54	140	187	96	58	55	102	159
14	91	67	246	136	53	131	203	93	57	55	78	143
15	122	65	220	129	53	125	175	89	66	48	72	131
16	87	63	194	119	51	121	163	86	56	47	67	121
17	82	63	183	115	50	118	154	81	59	44	62	271
18	80	62	166	115	49	113	144	93	55	69	59	1620
19	77	347	153	108	49	117	135	95	53	53	67	820
20	73	449	141	102	52	140	128	83	51	49	80	595
21	72	266	131	97	59	253	123	118	49	47	158	405
22	69	213	128	94	59	192	117	110	80	49	99	303
23	67	180	147	88	60	171	141	88	57	49	85	246
24	64	177	214	85	61	161	120	80	52	46	80	213
25	62	166	211	78	58	159	141	77	50	45	73	192
26	64	138	186	77	57	150	177	90	48	56	69	170
27	140	127	169	77	56	151	158	77	47	138	66	153
28	122	171	159	75	56	140	148	74	47	117	86	285
29	108	187	151	72	59	132	138	70	47	85	e130	211
30	99	154	165	69	---	128	130	67	46	85	114	163
31	92	---	143	65	---	133	---	80	---	127	85	---
TOTAL	2945	3938	5523	4321	1645	5290	4907	3230	1746	1847	2775	8228
MEAN	95.0	131	178	139	56.7	171	164	104	58.2	59.6	89.5	274
MAX	155	449	621	381	64	376	274	180	80	138	158	1620
MIN	62	62	90	65	49	65	117	67	46	39	59	59
CFSM	1.62	2.24	3.05	2.38	0.97	2.92	2.80	1.78	0.99	1.02	1.53	4.69
IN.	1.87	2.50	3.51	2.75	1.05	3.36	3.12	2.05	1.11	1.17	1.76	5.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	44.3	56.0	72.9	73.5	70.1	113	121	81.7	64.7	44.5	41.0	55.8
MAX	210	142	240	191	151	263	404	161	152	94.1	112	274
(WY)	1997	1997	1997	1996	1998	1994	1993	1998	2002	1989	2003	2004
MIN	18.2	18.6	15.0	22.6	32.2	54.0	49.8	46.2	31.0	24.2	22.1	18.1
(WY)	1993	2002	1999	2002	1992	1990	1995	2001	1999	1999	1995	1995

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	41568		46395			
ANNUAL MEAN	114		127		70.3	
HIGHEST ANNUAL MEAN					127	2004
LOWEST ANNUAL MEAN					38.9	2001
HIGHEST DAILY MEAN	621	Dec 11	1620	Sep 18	1620	Sep 18 2004
LOWEST DAILY MEAN	39	Feb 16,21	39	Jul 11	13	Dec 31 1998 ^a
ANNUAL SEVEN-DAY MINIMUM	40	Feb 15	44	Jun 28	b 13	Jan 5 1999
MAXIMUM PEAK FLOW			2110	Sep 18	2370	Jan 19 1996
MAXIMUM PEAK STAGE			9.76	Sep 18	10.05	Jan 19 1996
ANNUAL RUNOFF (CFSM)	1.95		2.17		1.20	
ANNUAL RUNOFF (INCHES)	26.43		29.50		16.33	
10 PERCENT EXCEEDS	184		213		134	
50 PERCENT EXCEEDS	98		98		50	
90 PERCENT EXCEEDS	57		54		22	

^a Also Jan. 1, 5-8, 10, 11, 1999.

^b Computed using estimated daily discharges.