

## 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 mi<sup>2</sup>.

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

**GAGE.**--Water-stage recorder. Datum of gage is 926.63 ft above sea level.

**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 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Jan. 24	0730	*832	*7.13	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	21	17	13	64	43	67	61	33	28	23	16
2	19	20	16	14	92	41	65	60	35	27	19	16
3	23	20	16	15	78	75	62	58	35	24	19	16
4	24	20	16	14	75	146	61	57	33	23	19	15
5	21	20	16	e13	73	87	61	55	32	23	22	16
6	20	20	16	e13	68	81	62	53	31	23	19	36
7	21	20	16	13	69	73	59	51	30	21	18	45
8	67	20	16	e13	75	66	55	61	29	22	23	23
9	41	19	15	15	69	63	106	55	28	23	19	20
10	32	26	15	13	65	61	125	52	29	42	19	19
11	29	28	15	e13	62	58	106	50	29	26	18	17
12	28	21	15	14	63	57	101	48	28	26	18	17
13	27	20	15	19	61	55	89	47	26	24	58	17
14	28	20	15	16	58	57	81	46	29	23	41	18
15	26	19	15	16	56	60	75	44	27	22	21	17
16	26	19	15	15	54	59	73	43	26	22	19	57
17	25	19	15	16	54	65	69	42	57	22	19	31
18	24	19	14	27	53	86	64	41	35	21	19	24
19	25	18	14	31	50	84	61	41	31	22	17	22
20	23	19	14	29	49	78	73	39	29	22	72	25
21	23	18	15	31	47	96	63	39	29	22	33	24
22	22	18	18	40	45	107	80	38	27	44	23	20
23	22	18	e14	230	44	92	92	61	26	24	21	19
24	22	18	e14	631	43	88	88	43	25	23	20	18
25	22	18	14	157	42	83	81	41	24	26	19	17
26	21	18	14	109	42	78	80	39	23	24	35	17
27	21	17	14	90	41	74	74	38	23	22	25	16
28	22	17	14	84	47	72	69	37	40	21	20	18
29	21	17	14	79	---	70	66	36	52	21	18	19
30	20	17	14	72	---	66	63	35	29	19	17	94
31	21	---	13	67	---	64	---	34	---	19	17	---
TOTAL	785	584	464	1922	1639	2285	2271	1445	930	751	750	729
MEAN	25.3	19.5	15.0	62.0	58.5	73.7	75.7	46.6	31.0	24.2	24.2	24.3
MAX	67	28	18	631	92	146	125	61	57	44	72	94
MIN	19	17	13	13	41	41	55	34	23	19	17	15
CFSM	.43	.33	.26	1.06	1.00	1.26	1.29	.80	.53	.41	.41	.42
IN.	.50	.37	.30	1.22	1.04	1.45	1.44	.92	.59	.48	.48	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1999, BY WATER YEAR (WY)

MEAN	45.8	57.2	73.4	76.6	77.9	115	124	81.5	57.7	43.8	35.3	40.4
MAX	210	142	240	191	151	263	404	161	142	94.1	59.8	192
(WY)	1997	1997	1997	1996	1998	1994	1993	1998	1989	1989	1994	1996
MIN	18.2	19.5	15.0	34.6	32.2	54.0	49.8	46.6	31.0	24.2	22.1	18.1
(WY)	1993	1999	1999	1992	1992	1990	1995	1999	1999	1999	1995	1995

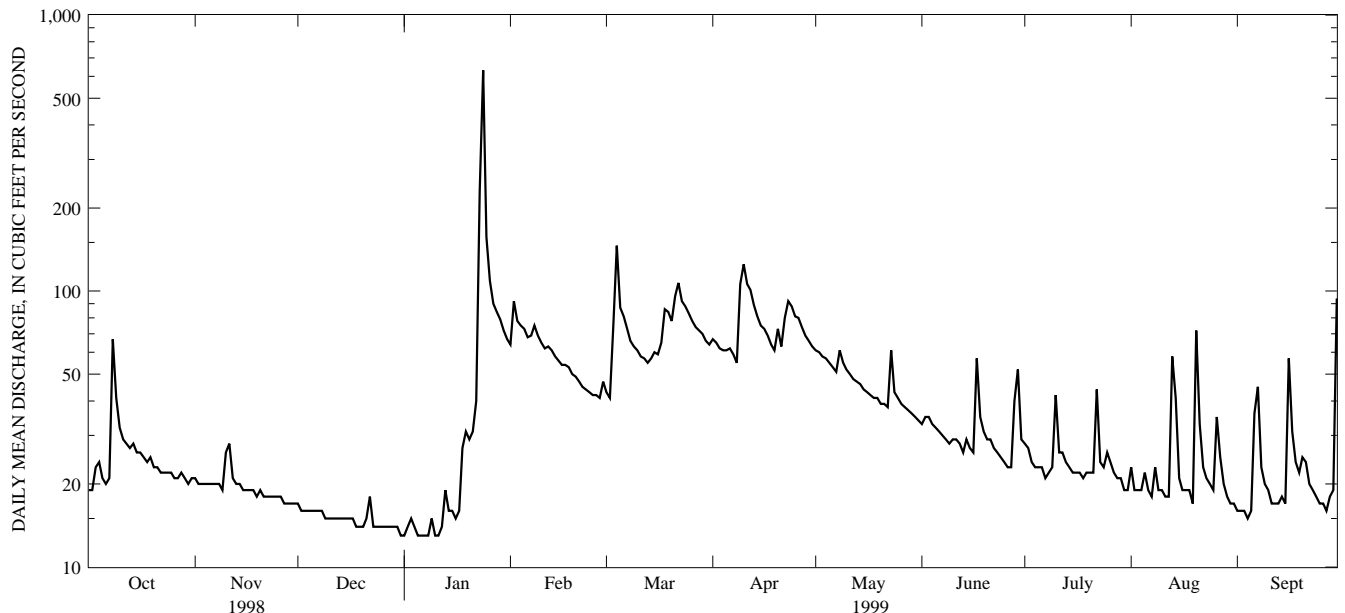
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1985 - 1999	
ANNUAL TOTAL	33175		14555			
ANNUAL MEAN	90.9		39.9		69.7	
HIGHEST ANNUAL MEAN					105	1998
LOWEST ANNUAL MEAN					39.9	1999
HIGHEST DAILY MEAN	447	Jan 9	631	Jan 24	1130	Jan 19 1996
LOWEST DAILY MEAN	13	Dec 31	13	Dec 31 <sup>a</sup>	13	Dec 31 1998 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	14	Dec 25	<b>b</b> 13	Jan 5	<b>b</b> 13	Jan 5 1999
INSTANTANEOUS PEAK FLOW			832	Jan 24	2370	Jan 19 1996
INSTANTANEOUS PEAK STAGE			7.13	Jan 24	10.05	Jan 19 1996
ANNUAL RUNOFF (CFSM)	1.55		.68		1.19	
ANNUAL RUNOFF (INCHES)	21.10		9.26		16.19	
10 PERCENT EXCEEDS	216		75		127	
50 PERCENT EXCEEDS	57		26		50	
90 PERCENT EXCEEDS	18		16		22	

<sup>a</sup> Also Jan. 1, 5-8, 10, 11, 1999.  
<sup>b</sup> Computed using estimated daily discharges.



1-YEAR HYDROGRAPH  
 OCTOBER 1, 1998 TO SEPTEMBER 30, 1999