

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 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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
June 15	1745	*363	*5.09	(No peaks above base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	19	49	39	28	130	62	83	56	42	46	30
2	24	34	47	38	27	114	59	81	55	41	36	27
3	22	23	45	38	27	96	59	77	54	42	51	26
4	30	21	43	43	27	84	103	74	51	41	38	26
5	22	20	42	40	27	77	75	72	56	40	34	27
6	20	19	42	38	27	72	70	68	64	40	49	26
7	20	18	40	37	27	67	68	66	52	38	53	26
8	20	18	39	36	26	65	91	64	49	38	40	25
9	20	17	37	36	26	62	92	62	45	37	38	24
10	40	17	38	40	26	59	81	62	42	40	36	24
11	26	17	36	38	28	75	78	58	41	37	35	24
12	25	17	35	37	29	86	77	55	42	36	34	24
13	28	16	39	36	28	70	74	53	50	35	34	26
14	36	16	96	34	99	66	71	52	56	35	34	24
15	25	17	81	34	62	64	69	50	100	40	31	24
16	25	17	62	33	53	68	67	48	71	40	31	24
17	24	17	55	33	52	82	79	47	57	38	30	24
18	23	16	52	32	51	61	116	46	57	33	30	24
19	22	16	49	32	51	59	116	65	54	33	28	23
20	22	18	60	32	48	59	106	52	49	32	28	22
21	21	15	52	31	49	105	134	47	69	31	27	22
22	20	17	48	e31	50	108	156	62	66	31	27	22
23	20	15	47	31	55	97	174	62	55	30	35	23
24	19	14	45	30	62	95	161	147	52	30	37	35
25	18	25	43	31	78	91	149	93	50	30	30	24
26	19	116	43	30	78	84	135	78	50	29	29	30
27	19	119	43	30	92	82	122	75	50	28	29	25
28	18	68	42	e30	154	78	109	71	46	38	60	24
29	18	57	41	e29	133	70	98	67	46	34	28	23
30	18	53	41	28	---	67	89	62	44	32	25	22
31	18	---	40	29	---	63	---	59	---	32	25	---
TOTAL	712	872	1472	1056	1520	2456	2940	2058	1629	1103	1088	750
MEAN	23.0	29.1	47.5	34.1	52.4	79.2	98.0	66.4	54.3	35.6	35.1	25.0
MAX	40	119	96	43	154	130	174	147	100	42	60	35
MIN	18	14	35	28	26	59	59	46	41	28	25	22
CFSM	.39	.50	.81	.58	.90	1.35	1.68	1.13	.93	.61	.60	.43
IN.	.45	.55	.94	.67	.97	1.56	1.87	1.31	1.04	.70	.69	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	44.3	55.3	71.8	73.9	76.3	113	123	80.6	57.5	43.2	35.3	39.5
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	34.1	32.2	54.0	49.8	46.6	31.0	24.2	22.1	18.1
(WY)	1993	1999	1999	2000	1992	1990	1995	1999	1999	1999	1995	1995

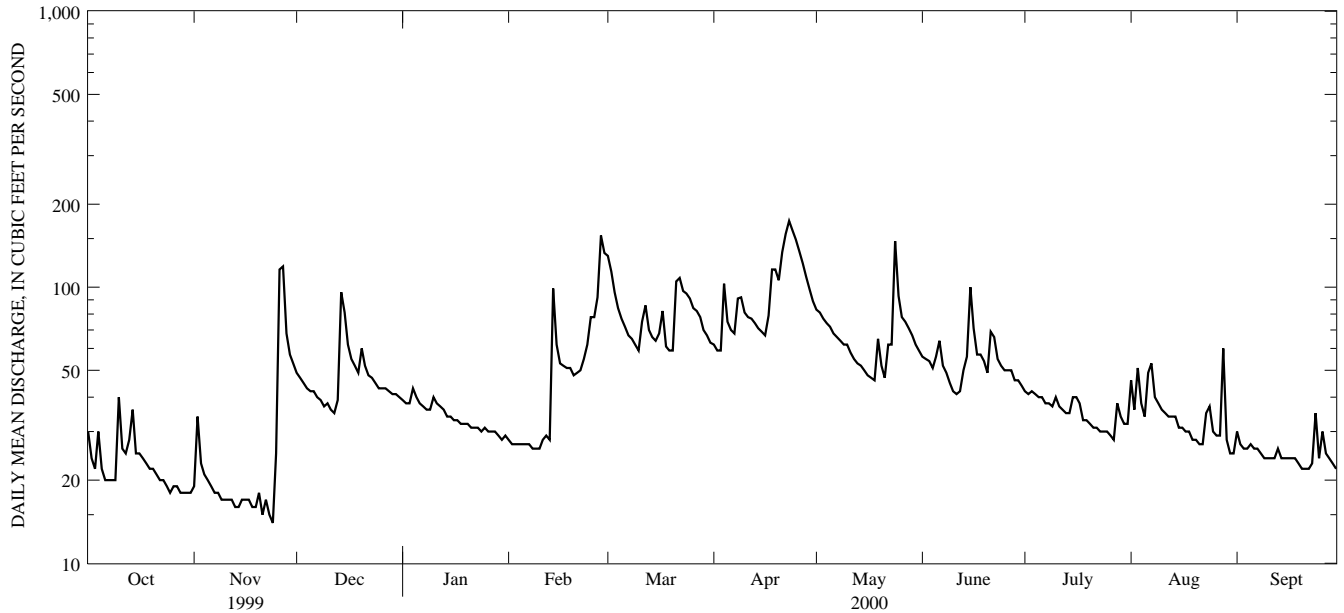
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	15778		17656			
ANNUAL MEAN	43.2		48.2		68.3	
HIGHEST ANNUAL MEAN					105	1998
LOWEST ANNUAL MEAN					39.9	1999
HIGHEST DAILY MEAN	631	Jan 24	174	Apr 23	1130	Jan 19 1996
LOWEST DAILY MEAN	13	Jan 1 ^a	14	Nov 24	13	Dec 31 1998 ^c
ANNUAL SEVEN-DAY MINIMUM	b 13	Jan 5	16	Nov 18	b 13	Jan 5 1999
INSTANTANEOUS PEAK FLOW			363	Jun 15	2370	Jan 19 1996
INSTANTANEOUS PEAK STAGE			5.09	Jun 15	10.05	Jan 19 1996
ANNUAL RUNOFF (CFSM)	.74		.82		1.17	
ANNUAL RUNOFF (INCHES)	10.03		11.23		15.85	
10 PERCENT EXCEEDS	78		84		123	
50 PERCENT EXCEEDS	35		40		49	
90 PERCENT EXCEEDS	17		21		22	

a Also Jan. 5-8, 10, 11; Jan. 5, 6, 8, 11 were estimated.
b Computed using estimated daily discharges.
c Also Jan. 1, 5-8, 10, 11, 1999.



1-YEAR HYDROGRAPH
 OCTOBER 1, 1999 TO SEPTEMBER 30, 2000