

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)
Aug. 19	2045	*423	*5.36	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	22	20	26	34	37	94	65	40	e36	21	27
2	22	22	19	25	32	36	90	63	44	e34	21	23
3	20	21	19	25	31	35	90	61	46	31	21	22
4	20	20	18	24	30	37	88	58	36	32	22	22
5	32	20	18	24	29	39	81	56	34	37	28	21
6	42	19	18	23	30	36	104	54	33	31	22	20
7	27	19	17	23	31	37	103	52	32	29	20	20
8	25	19	18	24	30	38	102	51	31	29	20	20
9	24	19	17	25	32	42	105	51	30	29	19	19
10	26	43	17	22	40	39	102	49	29	28	43	21
11	24	23	17	22	39	38	103	48	29	30	25	20
12	23	20	19	22	38	40	97	48	42	27	22	19
13	23	20	17	21	39	80	92	46	33	27	21	19
14	23	20	19	21	40	79	86	45	30	26	20	23
15	23	20	19	21	46	75	89	44	30	26	20	19
16	23	20	33	22	46	76	177	43	87	26	23	19
17	34	19	87	22	47	80	151	42	47	27	23	19
18	53	19	55	21	44	79	139	42	36	25	20	18
19	31	19	51	26	44	76	126	40	33	24	83	18
20	27	18	47	24	44	72	119	40	31	24	65	39
21	26	18	44	24	43	97	113	40	33	23	32	25
22	25	17	37	23	41	134	102	39	37	22	29	22
23	25	17	e34	22	41	114	94	48	55	22	28	20
24	25	17	32	22	39	104	89	39	40	22	27	41
25	24	17	31	22	41	97	83	42	36	22	25	40
26	24	30	30	22	41	90	78	42	34	36	23	28
27	23	22	29	22	39	82	75	41	33	23	23	27
28	23	20	28	21	38	80	72	39	32	22	21	25
29	22	20	27	21	---	77	69	36	e32	22	20	24
30	22	20	26	34	---	121	67	35	e31	22	20	23
31	22	---	26	39	---	98	---	34	---	22	28	---
TOTAL	805	620	889	735	1069	2165	2980	1433	1116	836	835	703
MEAN	26.0	20.7	28.7	23.7	38.2	69.8	99.3	46.2	37.2	27.0	26.9	23.4
MAX	53	43	87	39	47	134	177	65	87	37	83	41
MIN	20	17	17	21	29	35	67	34	29	22	19	18
CFSM	.44	.35	.49	.41	.65	1.19	1.70	.79	.64	.46	.46	.40
IN.	.51	.39	.57	.47	.68	1.38	1.89	.91	.71	.53	.53	.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	43.1	53.1	69.2	71.0	74.0	110	121	78.6	56.3	42.3	34.8	38.5
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	23.7	32.2	54.0	49.8	46.2	31.0	24.2	22.1	18.1
(WY)	1993	1999	1999	2001	1992	1990	1995	2001	1999	1999	1995	1995

e Estimated.

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01546400 SPRING CREEK AT HOUSERVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	16914		14186			
ANNUAL MEAN	46.2		38.9		66.4	
HIGHEST ANNUAL MEAN					105	1998
LOWEST ANNUAL MEAN					38.9	2001
HIGHEST DAILY MEAN	174	Apr 23	177	Apr 16	1130	Jan 19 1996
LOWEST DAILY MEAN	17	Nov 22-25 ^a	17	Nov 22-25 ^a	13	Dec 31 1998 ^c
ANNUAL SEVEN-DAY MINIMUM	17	Dec 5	17	Dec 5	b 13	Jan 5 1999
MAXIMUM PEAK FLOW			423	Aug 19	2370	Jan 19 1996
MAXIMUM PEAK STAGE			5.36	Aug 19	10.05	Jan 19 1996
ANNUAL RUNOFF (CFSM)	.79		.66		1.14	
ANNUAL RUNOFF (INCHES)	10.76		9.02		15.43	
10 PERCENT EXCEEDS	82		81		120	
50 PERCENT EXCEEDS	36		29		47	
90 PERCENT EXCEEDS	20		20		22	

- ^a Also Dec. 7, 9-11, 13.
- ^b Computed using estimated daily discharges.
- ^c Also Jan. 1, 5-8, 10, 11, 1999.

