

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01547100 SPRING CREEK AT MILESBERG, PA

**LOCATION.**--Lat 40°55'54", long 77°47'13", Centre County, Hydrologic Unit 02050204, on left bank 60 ft downstream from privately-owned bridge, 400 ft west of State Highway 144, and 0.8 mi upstream from mouth and Milesburg.

**DRAINAGE AREA.**--142 mi<sup>2</sup>.

**PERIOD OF RECORD.**--May 1967 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 696.42 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Occasional regulation at low flow by fish hatchery and Rockview Penitentiary. 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 800 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)
May 13	1830	963	5.46	June 7	0145	*1,400	*6.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	108	144	112	140	126	287	189	e260	203	143	119
2	117	111	121	112	138	126	254	230	e240	200	139	119
3	114	108	119	111	136	143	238	216	e230	191	137	119
4	113	106	116	111	137	130	226	204	e220	186	136	119
5	111	106	114	111	134	123	216	199	e510	181	136	118
6	110	104	116	114	132	124	209	196	674	178	136	116
7	109	104	114	119	131	122	201	193	1090	175	136	115
8	109	104	116	113	130	123	195	186	661	173	132	114
9	109	104	121	115	128	123	193	247	517	178	126	115
10	109	103	117	122	136	125	194	250	441	171	126	116
11	110	104	114	121	184	123	184	216	391	165	126	e110
12	109	103	112	121	157	124	177	244	364	160	129	e110
13	108	103	114	120	156	122	185	569	337	157	146	e110
14	119	103	116	120	152	121	212	766	348	157	127	e110
15	143	104	114	118	150	121	268	618	436	156	125	e120
16	127	104	112	117	147	165	232	494	361	152	124	121
17	133	103	121	117	146	145	224	421	322	148	122	115
18	118	103	151	114	141	152	218	615	299	148	121	112
19	114	103	137	114	139	153	214	536	278	156	122	110
20	112	102	136	114	138	181	214	469	258	160	121	111
21	112	100	133	114	140	208	207	419	243	154	120	112
22	113	99	126	114	135	204	206	383	237	151	120	e120
23	113	100	125	112	132	197	193	349	234	159	e140	e140
24	124	99	127	116	129	191	180	317	226	155	137	117
25	115	145	122	124	129	186	185	302	e210	151	130	113
26	110	129	120	120	131	369	181	283	e200	152	126	120
27	112	112	120	122	132	652	176	e260	248	152	124	180
28	110	111	119	123	128	472	198	e250	296	150	122	151
29	109	115	117	124	---	383	213	e250	219	146	120	127
30	109	124	115	130	---	332	191	e260	208	147	120	124
31	109	---	114	138	---	294	---	314	---	143	119	---
TOTAL	3548	3224	3763	3653	3908	6160	6271	10445	10558	5055	3988	3603
MEAN	114	107	121	118	140	199	209	337	352	163	129	120
MAX	143	145	151	138	184	652	287	766	1090	203	146	180
MIN	108	99	112	111	128	121	176	186	200	143	119	110
CFSM	0.81	0.76	0.85	0.83	0.98	1.40	1.47	2.37	2.48	1.15	0.91	0.85
IN.	0.93	0.84	0.99	0.96	1.02	1.61	1.64	2.74	2.77	1.32	1.04	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

MEAN	172	189	220	224	262	326	336	265	239	188	166	160
MAX	411	421	486	455	500	617	825	507	729	434	357	388
(WY)	1997	1978	1997	1996	1984	1994	1993	1978	1972	1972	1984	1996
MIN	102	107	121	118	128	104	149	147	123	118	110	108
(WY)	1970	2002	2002	2002	1969	1969	1969	1969	1969	1969	1968	1969

e Estimated.

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01547100 SPRING CREEK AT MILESBURG, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	57090		64176			
ANNUAL MEAN	156		176		229	
HIGHEST ANNUAL MEAN					350	1978
LOWEST ANNUAL MEAN					128	1969
HIGHEST DAILY MEAN	422	Apr 16	1090	Jun 7	6000	Jun 23 1972
LOWEST DAILY MEAN	99	Nov 22,24	99	Nov 22,24	82	Mar 24 1969
ANNUAL SEVEN-DAY MINIMUM	101	Nov 18	101	Nov 18	87	Mar 18 1969
MAXIMUM PEAK FLOW			<b>a</b> 1400	Jun 7	<b>a</b> 8170	Jun 23 1972
MAXIMUM PEAK STAGE			6.33	Jun 7	<b>b</b> 13.20	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.10		1.24		1.61	
ANNUAL RUNOFF (INCHES)	14.96		16.81		21.90	
10 PERCENT EXCEEDS	258		285		363	
50 PERCENT EXCEEDS	133		132		187	
90 PERCENT EXCEEDS	111		110		127	

- a** From rating curve extended above 900 ft<sup>3</sup>/s on basis of flow-over-dam measurement of peak flow.
- b** From peak-stage indicator.

