

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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 696.42 ft above sea level.

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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	0700	*1,840	*7.07	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	149	144	135	122	218	176	226	228	150	152	141	137
2	150	144	134	120	272	170	221	231	157	153	129	135
3	154	143	133	130	260	195	214	219	161	148	130	134
4	165	145	133	124	246	408	220	211	157	144	126	132
5	157	143	132	118	245	299	212	213	150	142	135	133
6	154	143	132	120	234	284	211	206	147	142	131	141
7	155	142	132	126	229	261	209	204	149	139	127	188
8	224	141	132	122	245	246	200	206	145	e140	136	145
9	188	141	131	130	230	239	251	206	143	137	133	139
10	172	152	129	125	222	232	351	192	143	159	129	137
11	164	160	129	123	217	225	310	188	142	148	128	134
12	160	146	129	125	218	219	311	184	140	139	126	132
13	159	141	128	135	216	219	295	184	138	141	146	131
14	163	141	130	131	210	219	295	180	141	137	223	136
15	155	140	127	131	207	222	281	177	144	137	152	133
16	154	140	129	130	202	219	272	175	139	135	143	173
17	155	139	128	128	201	228	262	171	188	134	141	175
18	153	137	127	139	200	269	252	167	164	134	141	146
19	155	137	125	156	192	269	242	167	149	135	139	141
20	154	142	127	149	188	266	254	161	147	140	169	143
21	150	138	128	e150	185	278	246	160	145	136	191	148
22	149	136	143	e200	179	321	264	159	143	171	155	140
23	149	137	129	e700	173	281	263	194	142	144	148	135
24	147	137	128	e1600	172	275	287	179	140	139	149	135
25	149	137	127	e700	169	272	270	170	136	139	147	133
26	149	140	125	e330	168	266	268	166	135	142	152	132
27	147	137	124	278	166	251	260	164	136	135	167	133
28	148	133	126	e260	178	242	259	160	148	133	148	134
29	146	134	124	e260	---	237	250	156	211	132	144	137
30	143	134	124	244	---	228	234	154	162	130	140	251
31	144	---	122	227	---	224	---	151	---	131	138	---
TOTAL	4861	4224	4002	7533	5842	7740	7690	5683	4492	4368	4504	4343
MEAN	157	141	129	243	209	250	256	183	150	141	145	145
MAX	224	160	143	1600	272	408	351	231	211	171	223	251
MIN	143	133	122	118	166	170	200	151	135	130	126	131
CFSM	1.10	.99	.91	1.71	1.47	1.76	1.81	1.29	1.05	.99	1.02	1.02
IN.	1.27	1.11	1.05	1.97	1.53	2.03	2.01	1.49	1.18	1.14	1.18	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1999, BY WATER YEAR (WY)

MEAN	176	195	227	233	272	335	342	266	240	191	168	163
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	117	129	122	128	104	149	147	123	118	110	108
(WY)	1970	1972	1999	1981	1969	1969	1969	1969	1969	1969	1968	1969

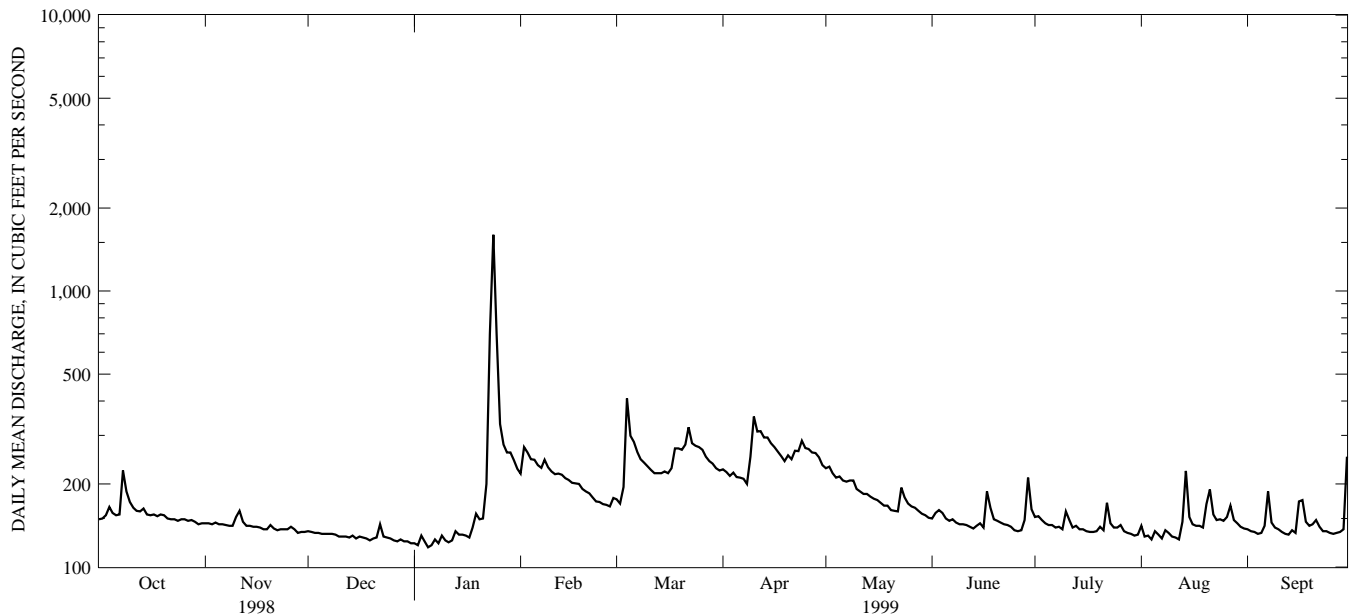
e Estimated.

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01547100 SPRING CREEK AT MILESBERG, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1967 - 1999	
ANNUAL TOTAL	100393		65282		234	
ANNUAL MEAN	275		179		350	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1969	
HIGHEST DAILY MEAN	881	Jan 9	e1600	Jan 24	6000	Jun 23 1972
LOWEST DAILY MEAN	122	Dec 31	118	Jan 5	82	Mar 24 1969
ANNUAL SEVEN-DAY MINIMUM	125	Dec 25	122	Dec 31	87	Mar 18 1969
INSTANTANEOUS PEAK FLOW			a1840	Jan 24	a8170	Jun 23 1972
INSTANTANEOUS PEAK STAGE			b7.07	Jan 24	c13.20	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.94		1.26		1.65	
ANNUAL RUNOFF (INCHES)	26.30		17.10		22.40	
10 PERCENT EXCEEDS	516		259		369	
50 PERCENT EXCEEDS	210		149		191	
90 PERCENT EXCEEDS	137		129		130	

- a From rating curve extended above 900 ft³/s on basis of flow-over-dam measurement of peak flow.
- b From floodmark.
- c From peak-stage indicator.
- e Estimated.



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