

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair 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)
Mar. 13	1645	806	5.07	Aug. 03	0545	*936	*5.67
Mar. 21	0030	926	5.37				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	164	167	312	196	170	317	219	335	218	266	413
2	115	165	164	566	191	171	319	211	323	207	249	418
3	114	159	163	473	188	170	308	209	325	201	662	408
4	115	159	158	413	226	166	303	200	415	200	386	447
5	116	158	e150	369	196	171	416	206	395	195	325	407
6	112	175	156	343	173	208	381	207	368	186	299	362
7	111	161	151	319	172	180	393	202	392	224	278	330
8	110	156	151	308	164	174	384	206	387	201	262	301
9	109	153	148	310	160	270	381	220	382	187	247	286
10	111	150	147	322	159	267	370	214	349	198	279	266
11	135	163	156	300	156	212	418	213	330	349	307	255
12	254	160	178	285	154	266	464	208	336	222	331	245
13	163	168	176	270	151	552	440	205	317	202	281	258
14	147	161	243	256	150	503	407	204	302	193	262	257
15	138	160	278	e240	147	439	384	197	295	187	248	258
16	177	170	281	241	146	448	360	236	276	185	247	288
17	180	267	252	234	e140	530	335	224	266	170	264	242
18	157	285	232	222	151	591	318	216	359	178	231	236
19	149	258	225	218	146	579	305	218	317	196	221	359
20	146	235	278	217	145	637	293	209	303	181	207	373
21	140	223	284	212	144	841	285	213	349	184	205	315
22	139	227	269	202	172	706	288	201	336	e270	201	301
23	137	212	252	e190	281	579	267	200	319	226	197	623
24	134	196	238	e190	257	508	252	207	299	203	194	509
25	142	189	240	190	212	447	251	200	280	193	195	441
26	172	182	227	189	191	410	250	200	269	186	221	403
27	148	182	215	184	182	383	242	198	256	182	251	404
28	142	175	205	181	175	348	228	198	245	194	220	690
29	141	175	200	186	---	346	233	207	234	181	205	527
30	160	173	198	186	---	347	228	192	220	175	349	446
31	163	---	200	194	---	327	---	222	---	166	287	---
TOTAL	4400	5561	6382	8322	4925	11946	9820	6462	9579	6240	8377	11068
MEAN	142	185	206	268	176	385	327	208	319	201	270	369
MAX	254	285	284	566	281	841	464	236	415	349	662	690
MIN	109	150	147	181	140	166	228	192	220	166	194	236
CFSM	1.00	1.31	1.45	1.89	1.24	2.71	2.31	1.47	2.25	1.42	1.90	2.60
IN.	1.15	1.46	1.67	2.18	1.29	3.13	2.57	1.69	2.51	1.63	2.19	2.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	171	189	220	226	260	327	335	263	241	188	169	165
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	69984		92967			
ANNUAL MEAN	192		255		230	
HIGHEST ANNUAL MEAN					350	1978
LOWEST ANNUAL MEAN					128	1969
HIGHEST DAILY MEAN	1090	Jun 7	841	Mar 21	6000	Jun 23 1972
LOWEST DAILY MEAN	109	Oct 9	109	Oct 9	82	Mar 24 1969
ANNUAL SEVEN-DAY MINIMUM	112	Oct 4	112	Oct 4	87	Mar 18 1969
MAXIMUM PEAK FLOW			936	Aug 3	a 8170	Jun 23 1972
MAXIMUM PEAK STAGE			5.67	Aug 3	b 13.20	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.35		1.79		1.62	
ANNUAL RUNOFF (INCHES)	18.33		24.35		21.97	
10 PERCENT EXCEEDS	286		403		365	
50 PERCENT EXCEEDS	156		220		189	
90 PERCENT EXCEEDS	116		151		128	

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

