

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547200 BALD EAGLE CREEK BELOW SPRING CREEK AT MILESBERG, PA

LOCATION.--Lat 40°56'35", long 77°47'12", Centre County, Hydrologic Unit 02050204, on right bank 130 ft downstream from bridge on State Highway 144 at Milesburg, and 250 ft downstream from Spring Creek.

DRAINAGE AREA.--265 mi².

PERIOD OF RECORD.--October 1955 to current year. Prior to October 1967, published as North Bald Eagle Creek below Spring Creek at Milesburg.

GAGE.--Water-stage recorder. Datum of gage is 682.49 ft above sea level. Prior to Aug. 31, 1956, nonrecording gage at site 130 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	1215	*3,650	*4.70	Mar. 4	0400	3,300	4.41

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	142	141	135	123	370	324	473	361	171	158	130	121
2	143	141	135	119	574	289	466	350	179	154	116	118
3	149	140	133	130	620	444	429	327	193	148	117	117
4	162	141	135	123	623	2090	417	312	184	141	113	116
5	155	140	134	115	665	938	389	307	172	136	122	117
6	151	141	134	117	562	728	369	292	166	135	119	128
7	149	139	134	122	543	593	366	286	166	130	116	230
8	258	142	134	118	561	491	338	297	161	126	125	156
9	232	142	133	128	487	452	601	301	157	127	121	141
10	184	156	130	124	498	424	1360	266	158	150	118	134
11	166	181	131	122	506	392	994	251	158	142	116	129
12	158	163	130	126	525	384	934	239	154	133	114	126
13	155	150	130	138	546	394	769	234	151	133	135	123
14	161	146	131	135	462	426	665	229	154	127	235	129
15	150	144	128	136	417	433	577	221	157	126	153	126
16	148	143	129	139	397	461	539	215	150	123	133	172
17	150	141	130	144	413	638	493	208	214	122	129	203
18	149	154	129	160	418	1060	440	202	201	122	126	156
19	149	138	127	206	389	863	402	200	170	123	124	141
20	148	143	129	234	364	689	443	192	162	128	147	140
21	144	140	132	220	331	765	426	188	158	123	178	148
22	143	136	174	233	285	909	523	185	154	164	140	138
23	143	137	169	481	260	752	590	242	152	138	132	132
24	142	136	145	2480	267	687	733	229	145	131	133	129
25	144	137	136	1170	249	644	635	215	140	129	130	127
26	145	141	133	691	250	583	574	202	139	133	137	125
27	143	138	130	518	239	534	512	195	137	124	155	126
28	146	135	132	496	285	510	466	188	148	121	137	127
29	143	135	131	633	---	505	425	180	241	120	130	132
30	139	136	128	510	---	488	384	176	186	117	125	352
31	140	---	124	425	---	464	---	173	---	117	122	---
TOTAL	4831	4297	4165	10616	12106	19354	16732	7463	4978	4101	4128	4359
MEAN	156	143	134	342	432	624	558	241	166	132	133	145
MAX	258	181	174	2480	665	2090	1360	361	241	164	235	352
MIN	139	135	124	115	239	289	338	173	137	117	113	116
CFSM	.59	.54	.51	1.29	1.63	2.36	2.10	.91	.63	.50	.50	.55
IN.	.68	.60	.58	1.49	1.70	2.72	2.35	1.05	.70	.58	.58	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1999, BY WATER YEAR (WY)

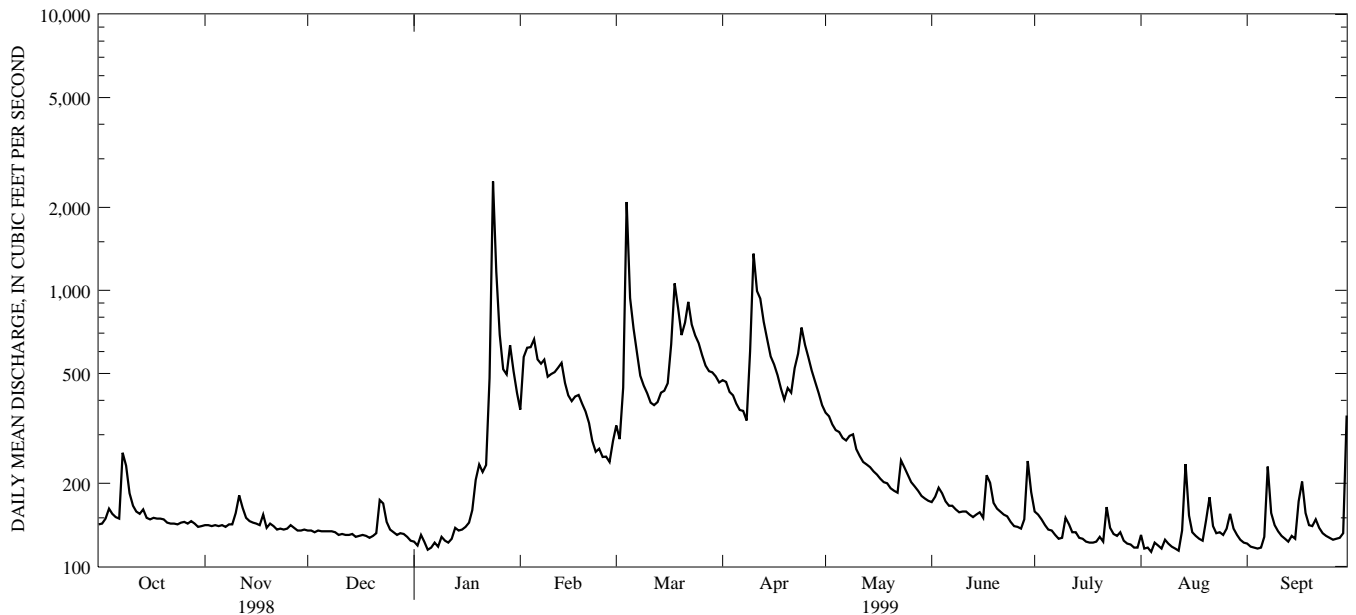
MEAN	261	338	406	390	535	768	709	500	355	247	215	213
MAX	950	811	1035	1049	1227	1489	2001	1162	1689	804	643	986
(WY)	1977	1978	1997	1996	1984	1994	1993	1978	1972	1972	1956	1996
MIN	89.8	94.3	103	141	147	255	276	241	131	102	101	84.3
(WY)	1964	1965	1966	1981	1963	1969	1968	1999	1965	1965	1965	1965

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1956 - 1999	
ANNUAL TOTAL	177395		97130		411	
ANNUAL MEAN	486		266		638	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	3930	Jan 8	2480	Jan 24	15000	Jun 23 1972
LOWEST DAILY MEAN	124	Dec 31	113	Aug 4	79	Sep 11 1965
ANNUAL SEVEN-DAY MINIMUM	129	Dec 14	118	Aug 2	80	Sep 17 1965
INSTANTANEOUS PEAK FLOW			3650	Jan 24	a 21300	Jun 23 1972
INSTANTANEOUS PEAK STAGE			4.70	Jan 24	b 11.67	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.83		1.00		1.55	
ANNUAL RUNOFF (INCHES)	24.90		13.63		21.05	
10 PERCENT EXCEEDS	1150		544		798	
50 PERCENT EXCEEDS	258		154		264	
90 PERCENT EXCEEDS	138		124		134	

a From rating curve extended above 9,000 ft³/s.
b From floodmark in gage.



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