

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547200 BALD EAGLE CREEK BELOW SPRING CREEK AT MILESBURG, 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 National Geodetic Vertical Datum of 1929. Prior to Aug. 31, 1956, nonrecording gage at site 130 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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. 2	0330	3,240	4.36	Sept. 4	0415	2,910	4.10
Mar. 20	2215	3,900	5.03	Sept. 28	0345	*6,630	*7.04
Aug. 3	0315	3,570	4.73				

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	134	397	280	1210	217	304	522	295	941	281	972	934
2	126	360	257	2360	215	310	580	285	765	e260	858	1120
3	123	300	238	1240	213	317	549	277	772	254	2310	1130
4	124	269	216	890	291	292	541	263	1340	248	1200	2090
5	124	250	237	711	305	307	1430	282	1150	239	858	1030
6	122	533	238	615	238	380	1160	e300	891	230	741	711
7	120	420	217	542	233	317	934	e320	890	272	561	563
8	117	342	233	518	217	318	823	352	802	259	529	471
9	116	296	209	613	209	544	789	464	751	e240	524	416
10	118	270	199	633	208	544	785	512	629	e260	730	373
11	147	333	224	530	202	430	1130	556	559	562	943	342
12	557	321	335	459	200	518	1270	520	556	308	929	319
13	266	365	379	411	195	e1100	992	475	531	259	655	333
14	202	318	e780	375	194	e1400	801	428	474	240	515	347
15	173	299	930	368	191	1250	693	384	468	230	429	414
16	277	333	791	330	184	1500	611	748	401	239	390	733
17	369	1030	594	321	185	2180	540	709	373	217	394	425
18	247	e900	e500	280	191	2450	491	614	965	218	328	370
19	209	e640	428	291	188	1980	459	529	781	309	299	919
20	194	e500	821	292	190	2280	428	451	658	229	273	966
21	177	e400	861	276	191	2740	409	438	730	220	262	688
22	168	e360	700	252	233	1930	422	381	674	375	253	593
23	161	e340	591	242	e520	1380	384	354	574	328	243	1980
24	155	e330	495	240	571	1060	352	418	494	267	234	1160
25	161	e320	476	234	433	872	341	384	432	240	232	850
26	493	317	426	234	367	776	346	492	391	221	261	700
27	320	314	379	226	344	691	347	543	357	213	341	1310
28	241	294	351	218	323	595	315	530	332	242	291	4480
29	213	285	337	224	---	569	e330	527	310	216	249	1620
30	283	301	322	217	---	571	e310	445	289	202	1000	993
31	358	---	331	214	---	538	---	553	---	191	560	---
TOTAL	6595	11737	13375	15566	7248	30443	19084	13829	19280	8069	18364	28380
MEAN	213	391	431	502	259	982	636	446	643	260	592	946
MAX	557	1030	930	2360	571	2740	1430	748	1340	562	2310	4480
MIN	116	250	199	214	184	292	310	263	289	191	232	319
CFSM	0.80	1.48	1.63	1.89	0.98	3.71	2.40	1.68	2.43	0.98	2.24	3.57
IN.	0.93	1.65	1.88	2.19	1.02	4.27	2.68	1.94	2.71	1.13	2.58	3.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	253	329	396	379	518	759	698	496	364	242	219	223
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	235	131	102	101	84.3
(WY)	1964	1965	1966	1981	1963	1969	1968	2001	1965	1965	1965	1965

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547200 BALD EAGLE CREEK BELOW SPRING CREEK AT MILESBURG, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	136188		191970			
ANNUAL MEAN	373		526		406	
HIGHEST ANNUAL MEAN					638	1978
LOWEST ANNUAL MEAN					213	1965
HIGHEST DAILY MEAN	3180	Jun 7	4480	Sep 28	15000	Jun 23 1972
LOWEST DAILY MEAN	114	Sep 12 ^a	116	Oct 9	79	Sep 11 1965
ANNUAL SEVEN-DAY MINIMUM	115	Sep 8	120	Oct 4	80	Sep 17 1965
MAXIMUM PEAK FLOW			6630	Sep 28	^b 21300	Jun 23 1972
MAXIMUM PEAK STAGE			7.04	Sep 28	^c 11.67	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.41		1.98		1.53	
ANNUAL RUNOFF (INCHES)	19.12		26.95		20.80	
10 PERCENT EXCEEDS	748		980		790	
50 PERCENT EXCEEDS	262		373		261	
90 PERCENT EXCEEDS	127		209		133	

- ^a Also Sept. 13, 19-21.
- ^b From rating curve extended above 9,000 ft³/s.
- ^c From floodmark in gage.

