

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547500 BALD EAGLE CREEK AT BLANCHARD, PA

LOCATION.--Lat 41°03'06", long 77°36'17", Centre County, Hydrologic Unit 02050204, on left bank 0.4 mi downstream from Foster Joseph Sayers Dam, 0.7 mi upstream from Marsh Creek, and 0.9 mi south of Blanchard.

DRAINAGE AREA.--339 mi².

PERIOD OF RECORD.--May 1954 to current year. Prior to October 1967, published as North Bald Eagle Creek at Blanchard.

REVISED RECORDS.--WSP 1903: 1956(M).

GAGE.--Water-stage recorder. Datum of gage is 579.79 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since March 1971 by Foster Joseph Sayers Dam (station 01547480). Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	146	424	160	438	650	438	175	189	175	149	149
2	143	146	263	162	341	439	380	173	327	175	149	149
3	143	146	206	161	336	272	346	172	391	175	149	149
4	144	146	162	178	314	272	346	269	303	175	149	149
5	154	147	162	211	298	311	351	295	234	175	147	149
6	167	149	162	210	272	288	550	276	234	175	146	149
7	165	149	162	211	272	279	933	276	234	175	146	149
8	165	149	162	203	290	306	933	276	207	175	147	149
9	165	149	189	188	426	323	819	276	172	175	148	149
10	165	302	211	179	702	366	715	276	172	175	148	150
11	158	383	211	165	695	356	715	276	172	175	147	149
12	143	218	212	165	469	329	655	276	175	175	147	149
13	143	178	195	165	421	797	550	276	175	159	146	149
14	143	178	162	165	421	1310	498	276	175	149	146	150
15	143	339	162	165	940	1120	478	244	175	149	146	149
16	143	444	173	165	1330	857	947	188	195	149	147	146
17	145	440	577	165	1400	923	1200	165	379	149	148	146
18	507	438	713	165	1370	934	829	165	292	149	146	146
19	359	438	491	165	1170	793	617	165	197	149	148	146
20	218	436	309	165	1020	637	470	165	178	149	195	149
21	218	432	292	165	1000	499	475	165	178	149	236	148
22	193	429	261	165	980	728	421	165	179	149	149	148
23	175	427	234	165	848	1070	342	165	434	149	157	149
24	175	427	214	165	736	798	327	166	336	149	172	246
25	175	427	214	165	719	570	313	167	213	149	159	371
26	166	422	213	165	702	472	280	168	175	149	149	253
27	146	482	212	167	685	427	247	230	175	149	149	210
28	146	519	211	166	668	378	228	344	175	149	149	166
29	146	517	180	168	---	286	228	278	175	149	149	143
30	146	516	162	209	---	345	195	242	175	149	149	143
31	146	---	160	349	---	438	---	189	---	149	150	---
TOTAL	5488	9719	7661	5562	19263	17573	15826	6939	6791	4941	4762	4947
MEAN	177	324	247	179	688	567	528	224	226	159	154	165
MAX	507	519	713	349	1400	1310	1200	344	434	175	236	371
MIN	143	146	160	160	272	272	195	165	172	149	146	143

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01547500 BALD EAGLE CREEK AT BLANCHARD, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	405	569	564	517	661	720	687	558	435	319	260	308
MAX (WY)	1012	1291	1211	1213	1450	1664	2095	1328	1184	1580	867	1096
MIN (WY)	1980	1978	1997	1996	1984	1979	1993	1978	1972	1972	1984	1996
MIN (WY)	165	188	160	133	275	238	208	203	167	139	140	120
(WY)	1983	1988	1999	1981	1993	1990	1976	1995	1999	1999	1995	1995

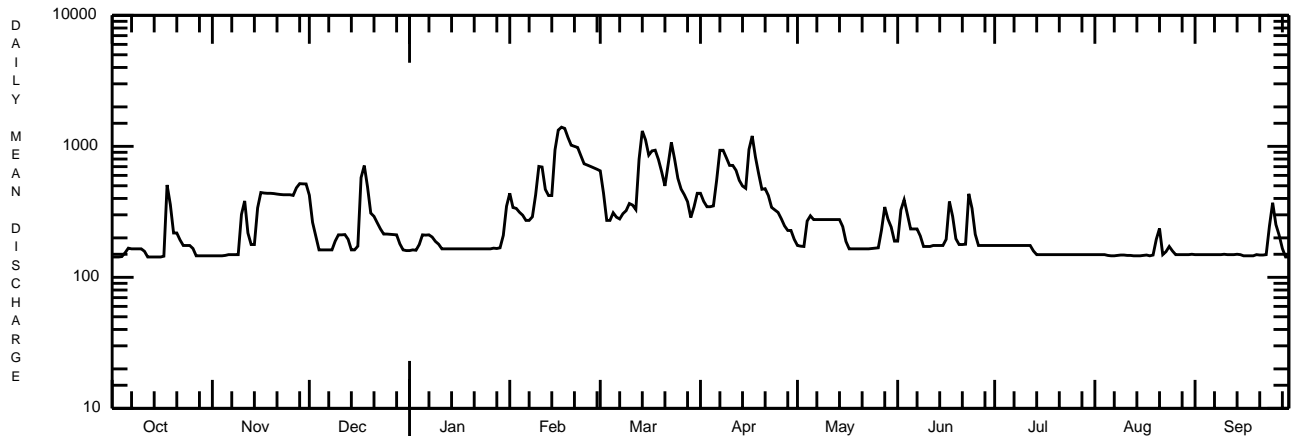
SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1971 - 2001	
ANNUAL TOTAL	126992	109472		
ANNUAL MEAN	347	300	499	2001
HIGHEST ANNUAL MEAN			764	1978
LOWEST ANNUAL MEAN			300	2001
HIGHEST DAILY MEAN	1710	Feb 15	4730	Jun 29 1972
LOWEST DAILY MEAN	140	Sep 8-11a	5.3	Mar 29 1993c
ANNUAL SEVEN-DAY MINIMUM	142	Sep 7	145	Oct 11
MAXIMUM PEAK FLOW			1420	Feb 16
MAXIMUM PEAK STAGE			5.07	Feb 16
INSTANTANEOUS LOW FLOW			9.37	Jun 28 1972
10 PERCENT EXCEEDS	667	652	f.00	May 12 1976
50 PERCENT EXCEEDS	228	178	1040	
90 PERCENT EXCEEDS	148	147	325	
			161	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1970, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	224	287	330	318	506	855	797	547	289	212	201	178
MAX (WY)	534	557	686	547	909	1376	1392	1053	561	478	623	437
MIN (WY)	1956	1960	1957	1960	1956	1964	1957	1960	1968	1956	1956	1956
MIN (WY)	105	102	109	161	158	304	318	289	137	105	100	99.8
(WY)	1965	1965	1966	1966	1963	1969	1968	1955	1965	1965	1966	1965

SUMMARY STATISTICS	WATER YEARS 1954 - 1970	
ANNUAL MEAN	395	
HIGHEST ANNUAL MEAN	555	1956
LOWEST ANNUAL MEAN	247	1965
HIGHEST DAILY MEAN	7010	Mar 10 1964
LOWEST DAILY MEAN	90	Sep 11,13 1966
ANNUAL SEVEN-DAY MINIMUM	93	Sep 7 1966
INSTANTANEOUS PEAK FLOW	d10100	Mar 10 1964
INSTANTANEOUS PEAK STAGE	11.59	Mar 10 1964
INSTANTANEOUS LOW FLOW	.00	Jun 16 1970f
ANNUAL RUNOFF (CFSM)	1.16	
ANNUAL RUNOFF (INCHES)	15.82	
10 PERCENT EXCEEDS	834	
50 PERCENT EXCEEDS	235	
90 PERCENT EXCEEDS	124	

- a Also Sept. 20-25.
- b Also Oct. 2-3, 12-16, Sept. 29, 30.
- c Also Mar. 31 and Apr. 1.
- d From rating curve extended above 4,100 ft³/s.
- f No flow parts of June 16, Nov. 10, 1970, due to construction of dam; May 12, 18, 19, 1976; Mar. 6, 1979, result of shutoff at dam.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001