



2005 Water Year
WEST BRANCH SUSQUEHANNA RIVER BASIN
01547500 Bald Eagle Creek at Blanchard, PA

Latitude: 41° 03 ' 06"

Longitude: 077° 36 ' 17"

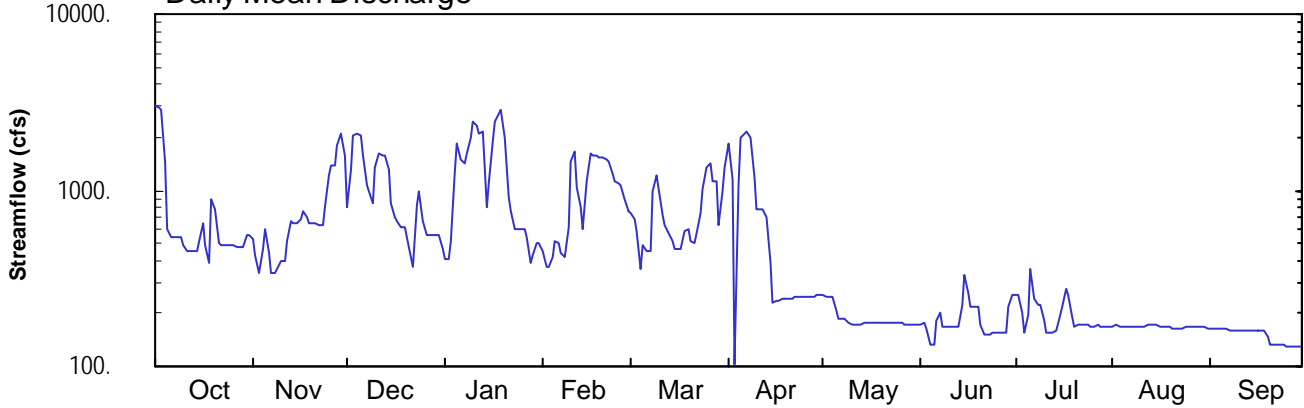
Hydrologic Unit Code: 02050204

Centre County

Datum: 579.79 feet

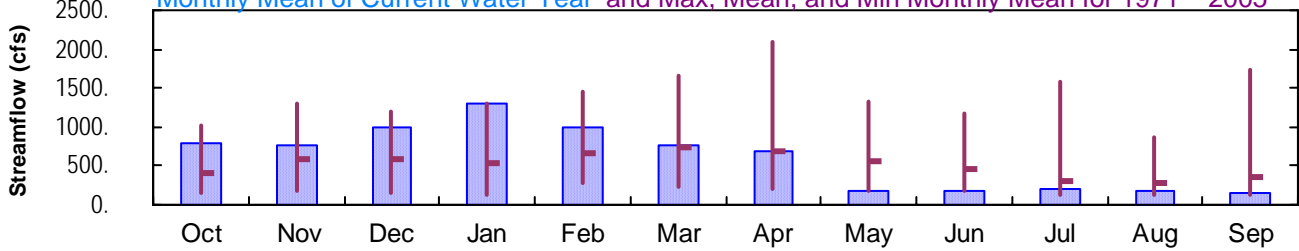
Drainage Area: 339. mi²

Daily Mean Discharge

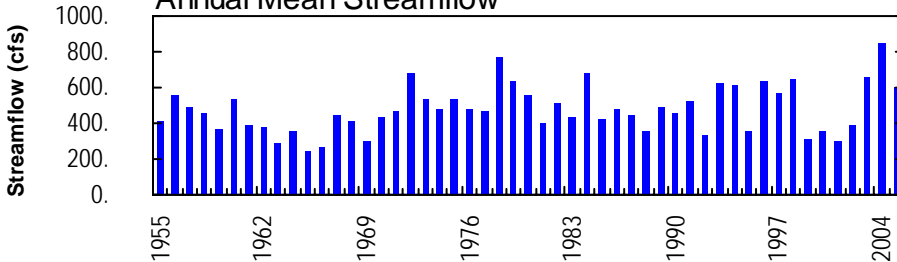


Monthly Statistics

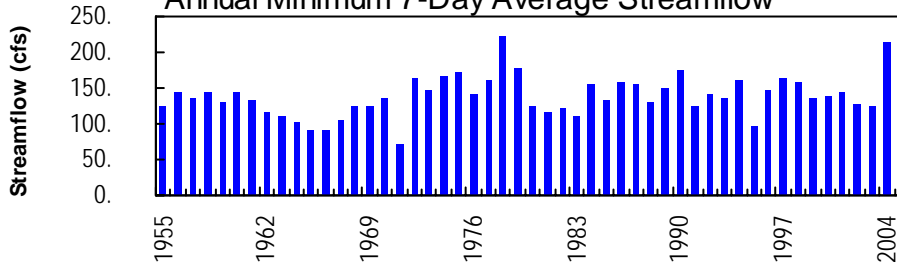
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1971 – 2005



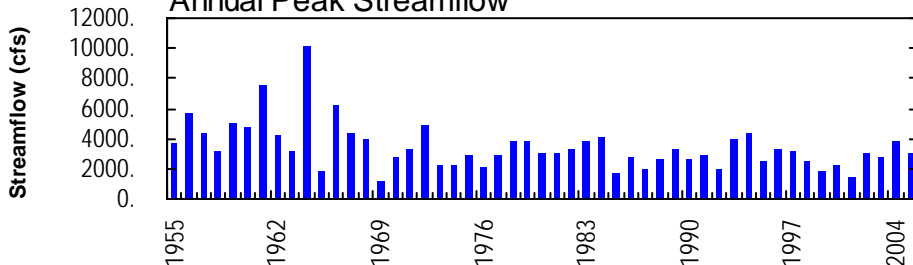
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 National Geodetic Vertical Datum of 1929.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3010	527	792	411	451	736	1860	253	174	258	170	164
2	2920	433	1300	411	366	681	1150	251	175	258	171	164
3	2840	339	2050	513	366	580	103	249	163	204	170	164
4	1470	468	2100	1290	418	355	1070	249	135	157	167	164
5	607	599	2050	1850	511	490	2000	209	135	197	168	164
6	548	442	1570	1480	507	455	2110	185	184	359	167	162
7	548	336	1060	1400	446	455	2160	185	203	244	167	160
8	548	341	988	1630	417	990	1980	185	167	224	167	160
9	549	376	849	2000	612	1200	1190	177	167	221	167	160
10	490	394	1340	2460	1450	1020	789	174	167	181	167	160
11	452	394	1610	2310	1670	715	789	174	167	155	170	160
12	452	515	1590	2120	1050	628	789	175	167	157	171	160
13	452	661	1580	2140	800	566	713	175	167	157	171	160
14	452	655	1300	809	603	516	385	177	224	159	171	160
15	521	651	851	1090	1130	470	232	177	334	194	171	160
16	649	690	707	1910	1610	470	235	178	260	216	170	160
17	493	769	668	2440	1590	466	236	178	218	276	167	160
18	382	707	611	2710	1570	587	240	178	220	255	167	160
19	889	651	610	2870	1540	602	240	178	220	191	167	146
20	785	647	547	1970	1520	510	241	178	174	170	165	132
21	499	644	417	907	1480	507	245	178	150	171	164	132
22	495	641	371	759	1450	577	246	178	151	171	165	132
23	493	637	822	607	1230	749	249	178	152	171	165	132
24	490	792	989	603	1120	1020	249	178	154	171	167	132
25	487	1210	660	602	1090	1350	249	178	154	170	167	130
26	487	1390	558	604	1060	1420	249	176	154	170	167	129
27	482	1380	558	547	881	1120	249	174	154	171	167	129
28	480	1790	556	390	758	1130	251	174	154	169	167	129
29	476	2120	553	431	---	634	253	174	221	167	167	129
30	550	1570	553	505	---	978	253	174	258	167	167	129
31	559	---	466	503	---	1360	---	174	---	168	164	---
TOTAL	24555	22769	30676	40272	27696	23337	21005	5821	5523	6099	5198	4483
MEAN	792	759	990	1299	989	753	700	188	184	197	168	149
MAX	3010	2120	2100	2870	1670	1420	2160	253	334	359	171	164
MIN	382	336	371	390	366	355	103	174	135	155	164	129

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547500 BALD EAGLE CREEK AT BLANCHARD, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	413	582	584	542	661	744	681	557	450	319	278	360
MAX (WY)	1012	1291	1211	1299	1450	1664	2095	1328	1184	1580	867	1726
MIN (WY)	1980	1978	1997	2005	1984	1979	1993	1978	1972	1972	1984	2004
MIN (WY)	159	188	160	133	275	238	208	188	167	139	140	120
(WY)	2002	1988	1999	1981	1993	1990	1976	2005	1999	1999	1995	1995

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1971 - 2005

ANNUAL TOTAL	296709	217434	
ANNUAL MEAN	811	596	513
HIGHEST ANNUAL MEAN			842 2004
LOWEST ANNUAL MEAN			300 2001
HIGHEST DAILY MEAN	3520	Sep 27	3010 Oct 1 4730 Jun 29 1972
LOWEST DAILY MEAN	131	Sep 19	103 Apr 3 5.3 Mar 29 1993a
ANNUAL SEVEN-DAY MINIMUM	213	Jun 28	130 Sep 24 71 Apr 20 1971
MAXIMUM PEAK FLOW			3060 Oct 1 b4890 Jun 28 1972
MAXIMUM PEAK STAGE			7.14 Oct 1 9.37 Jun 28 1972
INSTANTANEOUS LOW FLOW			0.00 May 12 1976c
10 PERCENT EXCEEDS	1820	1500	1070
50 PERCENT EXCEEDS	558	394	332
90 PERCENT EXCEEDS	290	160	160

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
(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

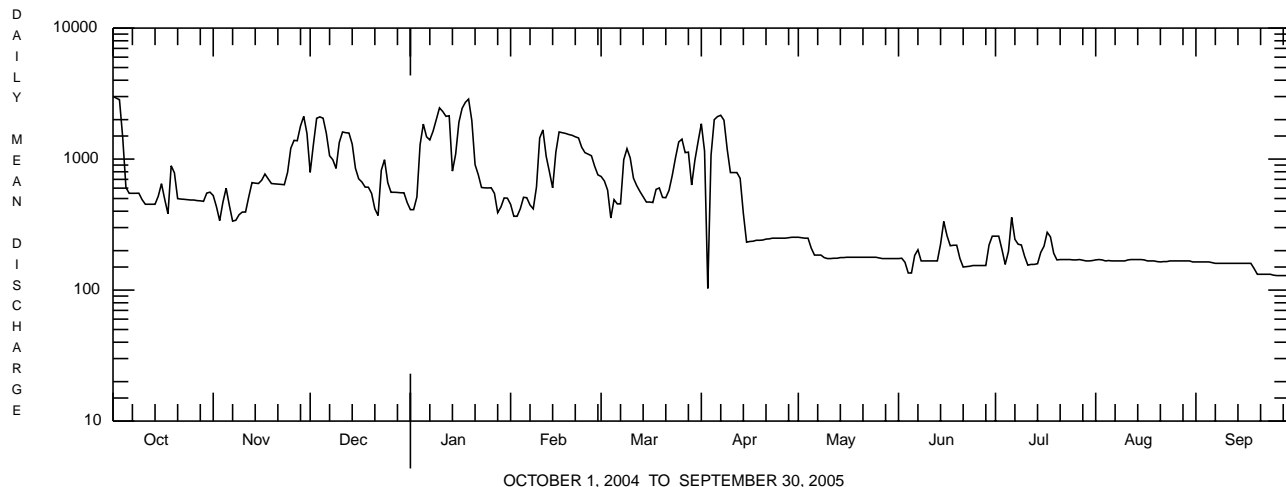
SUMMARY STATISTICS WATER YEARS 1954 - 1970

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
MAXIMUM PEAK FLOW	b10100 Mar 10 1964
MAXIMUM PEAK STAGE	11.59 Mar 10 1964
INSTANTANEOUS LOW FLOW	.00 Jun 16 1970c
ANNUAL RUNOFF (CFSM)	1.16
ANNUAL RUNOFF (INCHES)	15.82
10 PERCENT EXCEEDS	834
50 PERCENT EXCEEDS	235
90 PERCENT EXCEEDS	124

a Also Mar. 31 and Apr. 1.

b From rating curve extended above 4,100 ft³/s.

c 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, 2004 TO SEPTEMBER 30, 2005