



2004 Water Year

WEST BRANCH SUSQUEHANNA RIVER BASIN

01547200 Bald Eagle Creek bl Spring Creek at Milesburg, PA

Latitude: 40° 56' 35"

Longitude: 077° 47' 12"

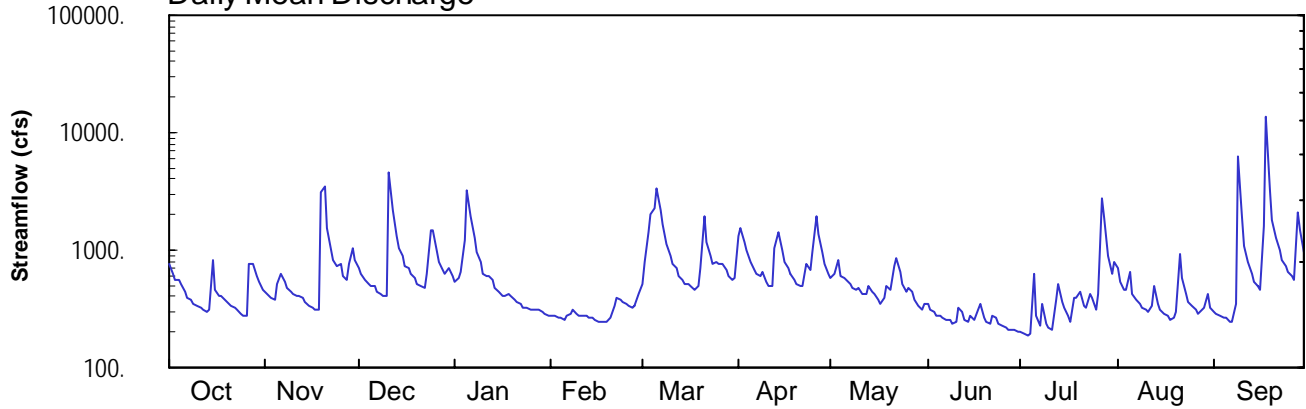
Hydrologic Unit Code: 02050204

Centre County

Datum: 682.49 feet

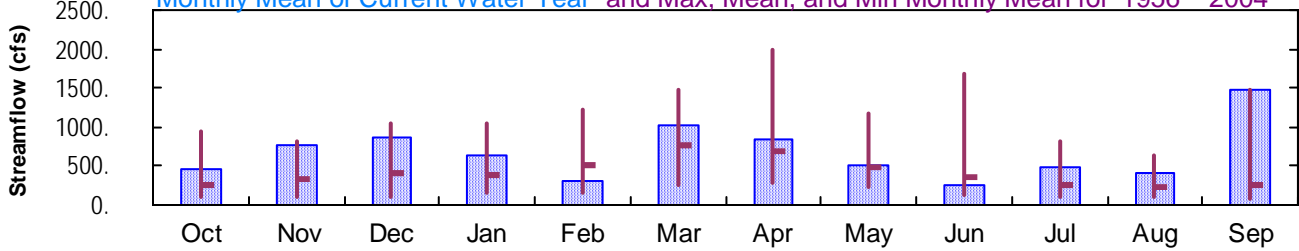
Drainage Area: 265. mi²

Daily Mean Discharge

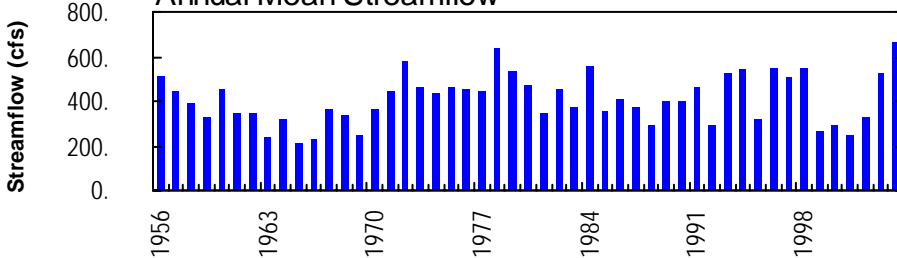


Monthly Statistics

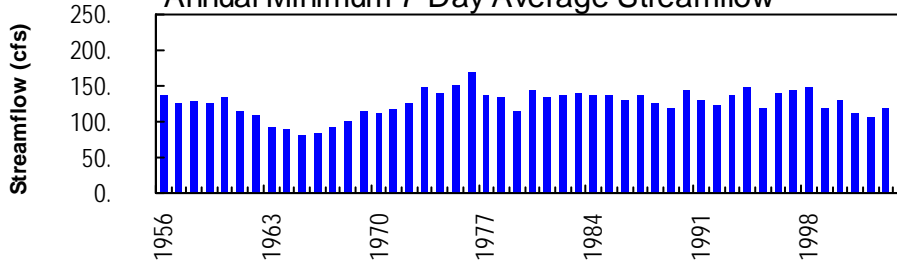
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1956 – 2004



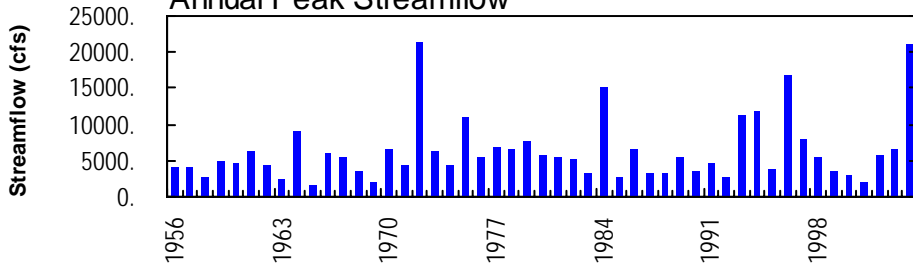
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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)
Nov. 19	2130	7,060	7.29	July 27	1800	3,490	4.66
Dec. 11	1115	6,320	6.85	Sept. 9	1045	9,830	8.65
Jan. 5	0845	3,680	4.83	Sept. 18	0745	*21,100	*12.15
Mar. 6	0815	3,790	4.93				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	771	435	717	538	275	e520	1310	578	346	198	704	300
2	637	413	630	589	271	e800	1530	623	315	196	526	285
3	549	388	561	647	269	e1400	1190	825	296	189	453	272
4	553	371	509	1230	265	2030	982	607	277	195	462	266
5	516	520	496	3180	257	2240	800	583	276	615	640	261
6	437	628	489	1930	276	3380	687	546	267	271	423	249
7	397	537	448	1250	287	2200	618	516	257	229	376	245
8	374	484	424	960	309	1630	607	477	250	343	345	350
9	353	443	412	801	290	1140	648	464	237	239	317	6190
10	338	418	414	621	280	901	533	473	247	218	308	2010
11	319	407	4520	597	276	768	493	426	318	208	296	1090
12	310	411	2160	597	271	703	501	425	304	372	340	789
13	300	392	1310	547	266	606	1060	504	253	517	500	631
14	305	358	1030	470	263	547	1440	448	249	363	347	542
15	821	339	875	437	258	521	997	420	274	323	307	499
16	461	325	730	404	249	507	801	379	250	272	286	462
17	410	316	697	414	246	493	697	355	310	245	272	1610
18	403	305	635	426	243	463	618	391	346	393	259	13400
19	371	3080	578	406	250	488	560	496	262	394	264	3260
20	346	3490	525	378	266	691	522	457	242	436	293	1790
21	337	1540	486	365	335	1910	493	743	236	334	925	1290
22	326	1050	473	355	392	1160	502	849	281	318	568	1010
23	307	826	618	326	370	882	758	646	270	420	417	836
24	290	745	1490	320	363	772	688	524	232	397	362	729
25	277	747	1470	311	345	788	971	442	224	316	332	662
26	276	608	999	307	332	763	1930	482	215	421	310	599
27	775	555	799	310	326	753	1360	434	209	2770	292	550
28	747	771	686	308	339	675	950	382	211	1860	309	2110
29	611	1040	618	297	421	606	750	340	213	905	322	1500
30	529	813	693	287	---	559	635	316	201	625	418	967
31	465	---	597	279	---	570	---	347	---	781	328	---
TOTAL	13911	22755	27089	19887	8590	31466	25631	15498	7868	15363	12301	44754
MEAN	449	758	874	642	296	1015	854	500	262	496	397	1492
MAX	821	3490	4520	3180	421	3380	1930	849	346	2770	925	13400
MIN	276	305	412	279	243	463	493	316	201	189	259	245
CFSM	1.69	2.86	3.30	2.42	1.12	3.83	3.22	1.89	0.99	1.87	1.50	5.63
IN.	1.95	3.19	3.80	2.79	1.21	4.42	3.60	2.18	1.10	2.16	1.73	6.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	257	338	406	385	513	764	701	496	362	247	222	249
MAX	950	811	1035	1049	1227	1489	2001	1162	1689	804	643	1492
(WY)	1977	1978	1997	1996	1984	1994	1993	1978	1972	1972	1956	2004
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 MILESBERG, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	224018		245113			
ANNUAL MEAN	614		670		411	
HIGHEST ANNUAL MEAN					670	
LOWEST ANNUAL MEAN					213	
HIGHEST DAILY MEAN	4520	Dec 11	13400	Sep 18	15000	Jun 23 1972
LOWEST DAILY MEAN	184	Feb 16	189	Jul 3	79	Sep 11 1965
ANNUAL SEVEN-DAY MINIMUM	189	Feb 15	200	Jun 28	80	Sep 17 1965
MAXIMUM PEAK FLOW			a21100	Sep 18	ab21300	Jun 23 1972
MAXIMUM PEAK STAGE			12.15	Sep 18	12.15	Sep 18 2004
ANNUAL RUNOFF (CFSM)	2.32		2.53		1.55	
ANNUAL RUNOFF (INCHES)	31.45		34.41		21.07	
10 PERCENT EXCEEDS	1120		1170		797	
50 PERCENT EXCEEDS	459		459		265	
90 PERCENT EXCEEDS	234		263		134	

- a From rating curve extended above 9,000 ft³/s.
- b At gage height 11.67 ft., from floodmark in gage.