



2005 Water Year
YELLOW BREECHES CREEK BASIN
01571500 Yellow Breeches Creek near Camp Hill, PA

Latitude: 40° 13 ' 29"

Longitude: 076° 53 ' 54"

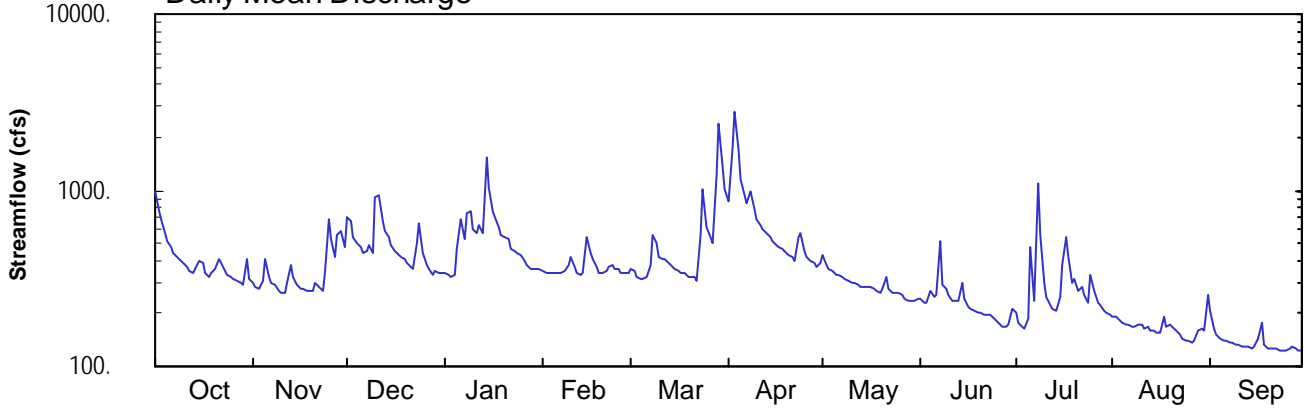
Hydrologic Unit Code: 02050305

Cumberland County

Datum: 307.49 feet

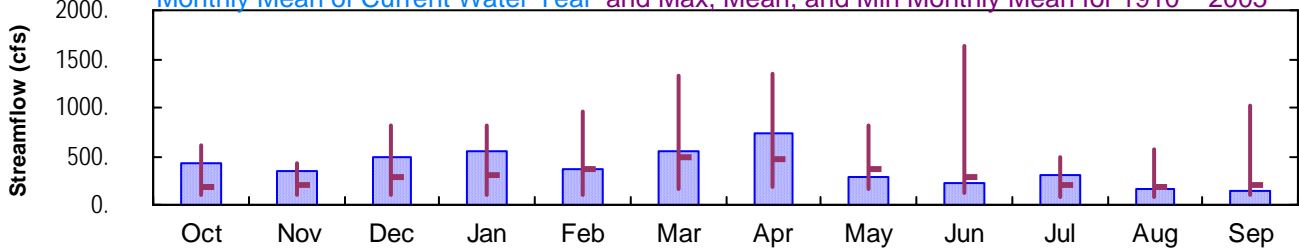
Drainage Area: 216. mi²

Daily Mean Discharge

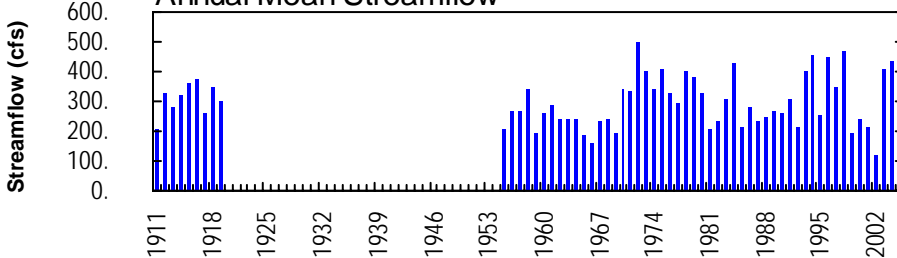


Monthly Statistics

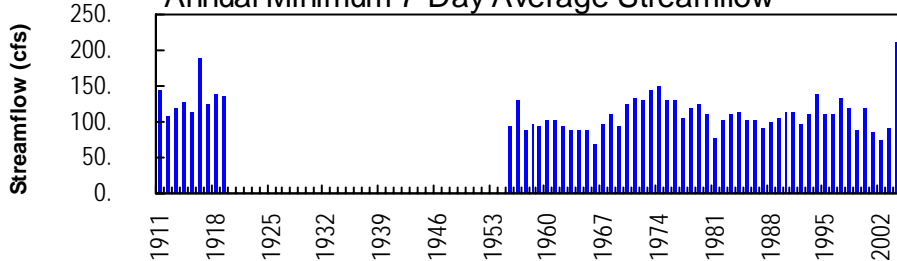
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1910 – 2005



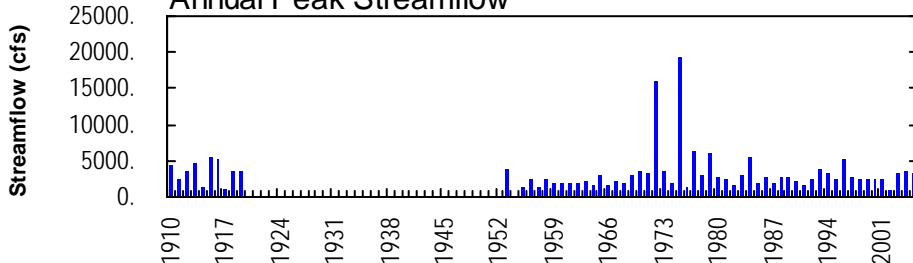
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01571500--Yellow Breeches Creek near Camp Hill

YELLOW BRECHES CREEK BASIN

01571500 YELLOW BRECHES CREEK NEAR CAMP HILL, PA

LOCATION.--Lat 40°13'29", long 76°53'54", Cumberland County, Hydrologic Unit 02050305, on left bank 50 ft downstream from single-span highway bridge on Green Lane Drive, 150 ft downstream from Olmsted Mill dam, 1.0 mi southeast of Camp Hill, and 3.1 mi upstream from mouth.

DRAINAGE AREA.--216 mi².

PERIOD OF RECORD.--April 1909 to December 1919, July 1954 to current year. Prior to January 1910 monthly discharge only, published in WSP 1302. Prior to June 1954, published as "at Olmsteds Mill".

REVISED RECORDS.--WSP 1302: 1910, 1912-13, 1914(M), 1916.

GAGE.--Water-stage recorder. Datum of gage is 307.49 ft above National Geodetic Vertical Datum of 1929. March 1909 to December 1919, nonrecording gage at site 50 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. The Mechanicsburg Water Co. diverts water about 4 mi upstream from station for municipal supply. Diversion for the year was equivalent to a mean daily discharge of 3.1 ft³/s. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 22, 1953, reached a stage of 9.4 ft, from floodmarks, discharge, about 3,940 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,250 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 10	1945	1,390	4.50	Apr. 3	0000	*3,250	*8.27
Jan. 14	1245	2,190	6.23	July 8	1415	1,500	4.69
Mar. 29	0515	3,070	7.97				

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	999	296	700	341	351	358	858	425	239	202	193	207
2	769	286	672	329	341	347	1760	377	230	177	191	163
3	680	279	547	320	341	326	2770	360	233	167	183	152
4	578	305	502	334	338	314	1690	345	271	162	177	145
5	519	405	473	460	340	317	1150	333	246	187	173	142
6	471	325	442	694	343	320	947	327	255	482	172	139
7	442	300	449	527	343	380	834	322	510	238	170	137
8	418	287	493	749	350	555	986	317	291	1100	169	135
9	402	272	438	765	375	496	776	309	275	550	171	133
10	388	265	914	600	416	420	687	302	254	301	171	132
11	367	263	941	568	371	406	639	296	236	248	165	130
12	352	296	664	631	337	404	598	293	239	226	168	128
13	343	379	591	566	327	389	577	283	234	211	158	128
14	376	319	540	1540	340	371	549	282	296	206	159	128
15	400	289	488	1040	544	355	518	284	241	251	155	131
16	390	279	455	770	443	344	489	282	219	379	156	144
17	341	272	443	704	407	338	474	274	210	547	193	175
18	320	268	423	610	369	335	465	268	206	427	170	132
19	344	265	411	557	340	325	449	262	203	302	172	128
20	361	269	390	548	336	322	433	274	200	313	167	126
21	406	301	364	523	348	321	414	322	197	270	162	126
22	391	281	360	462	371	308	401	275	195	286	151	125
23	348	271	506	e450	375	552	545	259	197	255	146	124
24	329	343	645	e435	357	1010	574	260	194	227	141	124
25	324	684	435	e425	359	621	455	264	183	329	139	123
26	316	523	374	e400	344	544	415	258	174	271	137	126
27	306	422	360	e380	344	508	400	244	170	229	139	130
28	299	554	330	e355	340	1220	383	235	170	224	161	127
29	292	586	344	e360	---	2380	367	237	170	210	165	124
30	403	479	341	e355	---	1400	389	233	212	202	160	122
31	318	---	338	e360	---	1020	---	239	---	197	253	---
TOTAL	12992	10363	15373	17158	10190	17306	21992	9041	6950	9376	5187	4086
MEAN	419	345	496	553	364	558	733	292	232	302	167	136
MAX	999	684	941	1540	544	2380	2770	425	510	1100	253	207
MIN	292	263	330	320	327	308	367	233	170	162	137	122
CFSM	1.94	1.60	2.30	2.56	1.68	2.58	3.39	1.35	1.07	1.40	0.77	0.63
IN.	2.24	1.78	2.65	2.95	1.75	2.98	3.79	1.56	1.20	1.61	0.89	0.70

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

MEAN	191	214	278	307	375	495	474	367	292	205	187	195
MAX	620	419	824	815	964	1335	1353	809	1639	486	573	1012
(WY)	1977	1997	1997	1996	1998	1994	1993	1998	1972	1989	1915	1975
MIN	93.6	97.5	97.2	92.4	102	161	186	167	122	81.2	80.6	93.6
(WY)	2002	2002	1966	1981	2002	2002	2002	1969	1966	1966	1966	2002

e Estimated.

YELLOW BREECHES CREEK BASIN

01571500 YELLOW BREECHES CREEK NEAR CAMP HILL, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	156912		140014			
ANNUAL MEAN	429		384		298	
HIGHEST ANNUAL MEAN					500	1972
LOWEST ANNUAL MEAN					122	2002
HIGHEST DAILY MEAN	2910	Sep 18	2770	Apr 3	12400	Jun 22 1972
LOWEST DAILY MEAN	191	Jul 11	122	Sep 30	67	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	212	Sep 11	125	Sep 20	70	Sep 7 1966
MAXIMUM PEAK FLOW			3250	Apr 3	a 19300	Sep 26 1975
MAXIMUM PEAK STAGE			8.27	Apr 3	b 18.77	Sep 26 1975
INSTANTANEOUS LOW FLOW			120	Sep 30	23	Sep 12 1966
ANNUAL RUNOFF (CFSM)	1.98		1.78		1.38	
ANNUAL RUNOFF (INCHES)	27.02		24.11		18.77	
10 PERCENT EXCEEDS	637		614		539	
50 PERCENT EXCEEDS	366		333		218	
90 PERCENT EXCEEDS	237		159		117	

a From rating curve extended above 16,000 ft³/s.

b From floodmark.

