

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.--No estimated daily discharges. Records good. 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 3.6 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)
Jan. 2	0215	1,360	4.42	June 7	2245	2,830	7.56
Mar. 17	2145	1,420	4.65	June 22	1415	2,070	5.98
Mar. 21	0430	2,910	7.71	Aug. 9	2015	1,660	5.06
May 28	1715	1,310	4.32	Sept. 19	0730	1,260	4.21
June 5	0600	1,710	5.19	Sept. 23	1345	*3,350	*8.43

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	97	238	182	543	205	272	587	320	711	361	216	218
2	94	195	173	1180	209	339	547	334	557	336	236	441
3	92	172	167	857	208	536	503	317	508	358	224	261
4	101	160	156	743	256	374	469	297	1230	323	254	339
5	91	154	162	604	254	341	515	291	1460	312	217	315
6	90	183	164	530	209	630	484	331	1070	306	232	238
7	89	183	155	483	209	775	450	315	1640	297	229	214
8	86	159	150	453	197	510	488	390	2210	290	205	204
9	85	147	155	503	180	581	605	582	1500	264	510	197
10	94	142	145	498	192	687	655	577	1090	265	333	186
11	224	146	238	423	184	511	703	535	880	279	278	180
12	268	180	562	369	177	456	752	476	777	254	374	175
13	178	270	449	341	170	483	628	433	785	235	256	210
14	141	208	706	326	175	723	567	393	691	225	224	294
15	123	178	629	311	175	736	526	361	608	220	209	227
16	201	171	498	283	157	1010	499	502	532	216	234	226
17	336	326	411	289	82	1260	464	959	483	213	494	198
18	205	511	347	257	156	1310	436	775	496	202	281	188
19	161	324	317	256	237	1110	463	709	497	212	230	646
20	145	265	498	262	230	1410	433	595	617	202	214	397
21	132	248	576	252	192	2590	407	539	911	223	205	290
22	125	300	437	225	341	1700	466	498	1600	384	200	260
23	119	279	394	200	749	1170	453	458	1040	552	194	2070
24	118	236	357	205	561	925	382	514	742	550	184	679
25	118	219	370	227	404	788	360	585	625	276	176	431
26	187	207	377	228	336	723	401	660	550	233	193	380
27	187	207	328	215	309	759	421	655	497	218	227	334
28	150	202	303	193	291	614	360	872	454	209	198	394
29	145	194	293	203	---	585	341	716	423	202	240	346
30	240	189	287	202	---	645	332	590	394	193	210	294
31	349	---	283	196	---	681	---	569	---	187	215	---
TOTAL	4771	6593	10269	11857	7045	25234	14697	16148	25578	8597	7692	10832
MEAN	154	220	331	382	252	814	490	521	853	277	248	361
MAX	349	511	706	1180	749	2590	752	959	2210	552	510	2070
MIN	85	142	145	193	82	272	332	291	394	187	176	175
CFSM	0.71	1.02	1.53	1.77	1.16	3.77	2.27	2.41	3.95	1.28	1.15	1.67
IN.	0.82	1.14	1.77	2.04	1.21	4.35	2.53	2.78	4.41	1.48	1.32	1.87

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

MEAN	185	209	268	302	375	495	467	367	292	202	183	188
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

YELLOW BREECHES CREEK BASIN

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	56987		149313			
ANNUAL MEAN	156		409		295	
HIGHEST ANNUAL MEAN					500	1972
LOWEST ANNUAL MEAN					122	2002
HIGHEST DAILY MEAN	706	Dec 14	2590	Mar 21	12400	Jun 22 1972
LOWEST DAILY MEAN	72	Sep 14	a82	Feb 17	67	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	75	Sep 9	91	Oct 3	70	Sep 7 1966
MAXIMUM PEAK FLOW			3350	Sep 23	b19300	Sep 26 1975
MAXIMUM PEAK STAGE			8.43	Sep 23	c18.77	Sep 26 1975
INSTANTANEOUS LOW FLOW			a65	Feb 17	23	Sep 12 1966
ANNUAL RUNOFF (CFSM)	0.72		1.89		1.36	
ANNUAL RUNOFF (INCHES)	9.81		25.72		18.53	
10 PERCENT EXCEEDS	267		728		533	
50 PERCENT EXCEEDS	126		312		214	
90 PERCENT EXCEEDS	82		163		116	

- a Result of freezeup.
- b From rating curve extended above 16,000 ft³/s.
- c From floodmark.

