

## 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 mi<sup>2</sup>.

**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 sea level. 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 fair. 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 2.6 ft<sup>3</sup>/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 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 1,250 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Mar. 22	0630	*2,520	*6.94	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	361	132	127	140	e135	449	374	347	230	207	185	221
2	224	142	123	136	133	419	356	343	220	194	175	343
3	190	153	122	137	130	378	347	328	208	187	165	228
4	193	168	121	141	133	348	444	308	199	187	158	182
5	246	143	119	141	133	325	438	295	198	187	152	167
6	200	136	128	133	130	304	358	289	267	175	159	156
7	177	131	130	132	129	285	331	279	314	169	177	149
8	163	130	125	129	127	274	348	263	238	163	173	147
9	158	128	118	126	125	262	758	252	214	158	152	148
10	248	128	124	174	126	251	538	246	201	177	152	148
11	269	126	134	256	138	280	450	241	191	179	146	147
12	206	122	129	199	160	745	423	232	193	162	142	143
13	185	122	126	175	155	511	392	251	197	150	144	178
14	188	123	336	159	210	393	371	260	199	151	146	172
15	173	121	442	146	284	361	358	233	206	216	144	400
16	161	120	270	149	255	341	359	218	217	249	139	209
17	156	120	218	142	280	395	416	215	204	248	134	171
18	155	120	196	118	258	365	555	211	190	189	131	161
19	149	120	185	e130	287	317	573	307	185	168	133	238
20	160	120	181	e140	319	300	449	407	180	171	135	340
21	158	123	197	e125	299	737	533	355	191	164	134	214
22	153	123	187	e120	298	1980	704	318	300	156	130	178
23	149	122	171	e125	325	1020	639	349	221	152	130	168
24	146	122	163	e130	357	769	552	428	190	144	133	170
25	142	139	153	e130	398	658	499	360	217	146	131	198
26	140	147	152	e135	419	597	468	283	448	149	128	517
27	139	203	154	135	385	527	448	257	270	154	132	355
28	139	173	149	113	710	636	426	264	236	157	316	255
29	137	144	147	135	539	515	401	277	247	187	185	224
30	134	134	142	e120	---	445	374	264	232	203	150	210
31	131	---	141	e130	---	403	---	240	---	173	141	---
TOTAL	5530	4035	5210	4401	7377	15590	13682	8920	6803	5472	4752	6537
MEAN	178	134	168	142	254	503	456	288	227	177	153	218
MAX	361	203	442	256	710	1980	758	428	448	249	316	517
MIN	131	120	118	113	125	251	331	211	180	144	128	143
CFSM	.83	.62	.78	.66	1.18	2.33	2.11	1.33	1.05	.82	.71	1.01
IN.	.95	.69	.90	.76	1.27	2.68	2.36	1.54	1.17	.94	.82	1.13

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

MEAN	187	212	270	306	384	498	472	370	287	204	185	189
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	98.6	99.4	97.2	92.4	153	221	216	167	122	81.2	80.6	94.7
(WY)	1964	1966	1966	1981	1989	1911	1966	1969	1966	1966	1966	1965

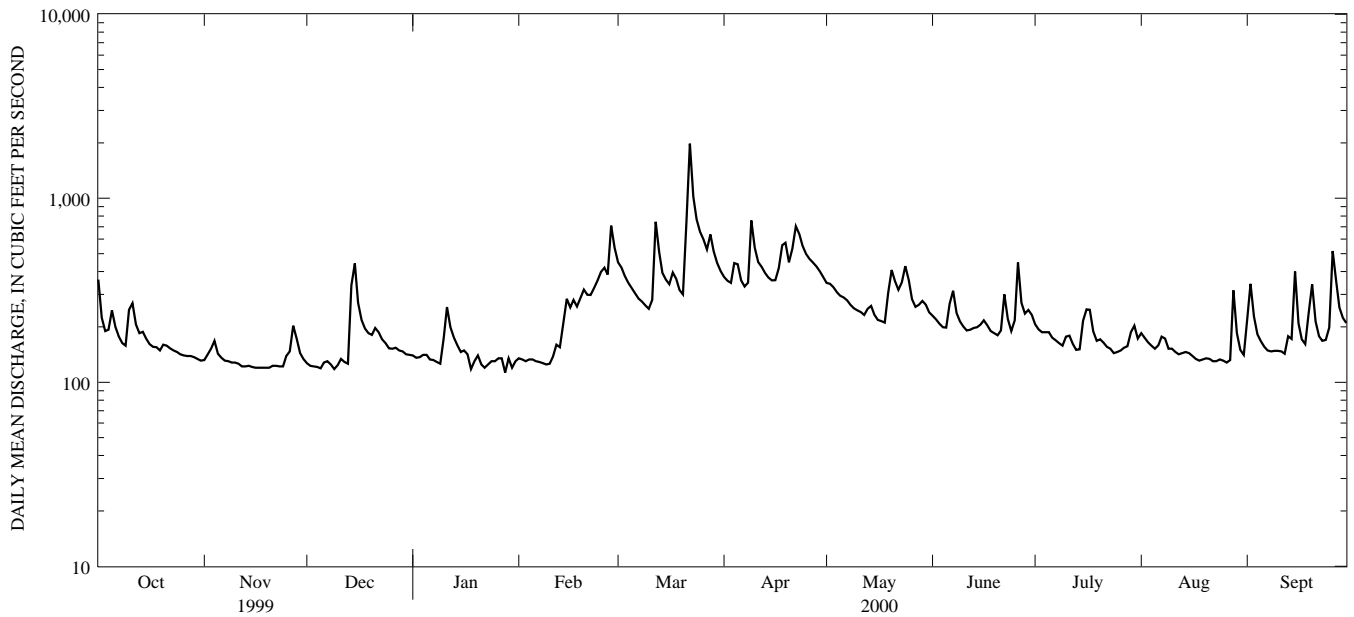
e Estimated.

YELLOW BREECHES CREEK BASIN

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	74361		88309			
ANNUAL MEAN	204		241		297	
HIGHEST ANNUAL MEAN					500	1972
LOWEST ANNUAL MEAN					159	1966
HIGHEST DAILY MEAN	1870	Jan 24	1980	Mar 22	12400	Jun 22 1972
LOWEST DAILY MEAN	86	Aug 6,7	113	Jan 28	67	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	90	Aug 3	121	Nov 14	70	Sep 7 1966
INSTANTANEOUS PEAK FLOW			2520	Mar 22	a19300	Sep 26 1975
INSTANTANEOUS PEAK STAGE			6.94	Mar 22	b18.77	Sep 26 1975
INSTANTANEOUS LOW FLOW			c80	Jan 18	23	Sep 12 1966
ANNUAL RUNOFF (CFSM)	.94		1.12		1.38	
ANNUAL RUNOFF (INCHES)	12.81		15.21		18.69	
10 PERCENT EXCEEDS	329		420		534	
50 PERCENT EXCEEDS	163		185		215	
90 PERCENT EXCEEDS	108		128		118	

- a From rating curve extended above 16,000 ft<sup>3</sup>/s.
- b From floodmark.
- c Result of freeze-up.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000