

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 sea level. 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 2.9 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. 24	1600	*2,340	*6.55	Sept. 16	2115	1,880	5.55

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	126	118	114	243	213	269	245	156	111	97	104
2	124	124	116	108	311	189	299	239	165	119	96	104
3	127	123	116	271	330	183	266	232	219	132	93	102
4	155	122	115	305	280	314	252	228	191	119	90	102
5	159	122	114	156	260	292	248	226	165	112	88	114
6	146	122	114	140	244	255	239	221	157	109	86	170
7	137	122	115	146	236	277	229	222	154	108	86	458
8	182	122	118	134	243	237	218	292	150	106	92	167
9	227	122	120	175	242	227	266	339	143	106	95	141
10	279	122	120	197	224	223	581	251	140	108	96	131
11	198	131	118	169	214	220	446	227	141	111	96	128
12	166	127	118	151	217	212	523	217	142	112	93	122
13	156	125	118	149	233	205	439	290	138	113	102	118
14	150	124	120	176	214	208	387	303	140	114	185	112
15	144	122	120	162	203	234	364	250	143	105	137	129
16	142	122	120	161	196	240	388	233	138	110	111	782
17	140	134	120	145	203	283	364	226	139	105	109	600
18	140	148	120	205	219	397	331	221	151	100	107	230
19	137	131	119	451	207	358	305	216	143	100	108	180
20	136	125	118	311	194	320	317	209	135	110	113	166
21	132	126	118	249	185	370	329	201	131	108	129	167
22	131	121	118	326	179	707	366	197	131	151	117	183
23	131	118	116	535	171	501	372	205	128	120	115	164
24	128	118	117	1870	171	438	360	218	121	115	124	152
25	127	118	116	1040	170	400	320	210	118	106	116	146
26	130	131	116	498	172	357	299	195	116	104	125	140
27	128	132	116	394	172	329	287	185	116	102	144	136
28	130	122	116	348	190	314	274	179	114	99	127	142
29	129	120	122	318	---	299	266	171	115	97	116	152
30	129	118	123	283	---	277	255	166	114	94	106	744
31	128	---	118	259	---	260	---	160	---	96	104	---
TOTAL	4596	3740	3653	9946	6123	9339	9859	6974	4254	3402	3403	6286
MEAN	148	125	118	321	219	301	329	225	142	110	110	210
MAX	279	148	123	1870	330	707	581	339	219	151	185	782
MIN	124	118	114	108	170	183	218	160	114	94	86	102
CFSM	.69	.58	.55	1.49	1.01	1.39	1.52	1.04	.66	.51	.51	.97
IN.	.79	.64	.63	1.71	1.05	1.61	1.70	1.20	.73	.59	.59	1.08

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

MEAN	188	213	271	309	386	498	472	372	288	205	186	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	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

YELLOW BREECHES CREEK BASIN

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

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	160281		71575			
ANNUAL MEAN	439		196		298	
HIGHEST ANNUAL MEAN					500	1972
LOWEST ANNUAL MEAN					159	1966
HIGHEST DAILY MEAN	2250	Feb 24	1870	Jan 24	12400	Jun 22 1972
LOWEST DAILY MEAN	114	Dec 5,6	86	Aug 6,7	67	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	115	Dec 1	90	Aug 3	70	Sep 7 1966
INSTANTANEOUS PEAK FLOW			2340	Jan 24	a19300	Sep 26 1975
INSTANTANEOUS PEAK STAGE			6.55	Jan 24	b18.77	Sep 26 1975
INSTANTANEOUS LOW FLOW			c78	Jan 2	23	Sep 12 1966
ANNUAL RUNOFF (CFSM)	2.03		.91		1.38	
ANNUAL RUNOFF (INCHES)	27.60		12.33		18.75	
10 PERCENT EXCEEDS	973		322		537	
50 PERCENT EXCEEDS	258		146		215	
90 PERCENT EXCEEDS	122		108		118	

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

