

YELLOW BREECHES CREEK BASIN

01571500 YELLOW BREECHES 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 3.8 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)
Mar. 27	0345	*730	*2.91	(No peaks above base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	95	108	e79	126	91	200	207	150	107	87	85
2	93	94	107	e82	121	94	184	219	149	103	82	85
3	93	94	102	94	113	188	167	225	139	101	83	85
4	92	93	99	93	111	185	161	200	136	98	84	84
5	91	92	99	92	106	132	152	184	133	94	85	82
6	90	90	98	93	103	118	145	178	143	88	82	79
7	88	90	99	106	104	114	141	184	187	87	80	79
8	89	91	103	97	103	111	137	181	162	90	78	78
9	88	91	120	95	101	108	137	220	146	94	77	79
10	88	90	115	96	100	122	147	211	139	97	78	78
11	89	92	108	116	107	115	143	182	131	94	81	76
12	90	92	102	136	108	109	133	175	127	93	83	73
13	90	91	101	123	104	111	135	199	123	92	80	73
14	93	89	112	112	100	117	156	208	172	94	83	72
15	104	90	119	107	99	112	486	187	165	96	81	75
16	100	91	113	104	98	111	287	167	146	93	83	79
17	103	90	111	102	99	110	220	160	131	89	82	79
18	97	90	126	100	98	131	196	392	129	88	79	78
19	96	90	128	98	97	144	185	344	123	87	78	76
20	95	90	118	101	96	218	175	243	118	87	77	76
21	96	90	109	99	97	300	169	220	111	89	76	77
22	95	90	104	98	96	202	199	208	109	89	76	85
23	95	90	103	97	94	161	187	200	107	90	82	174
24	95	91	107	140	94	147	166	191	105	95	87	122
25	95	116	105	190	94	141	162	180	103	93	85	92
26	92	178	102	140	94	170	162	180	104	91	84	95
27	94	129	101	120	96	488	151	193	118	92	81	175
28	94	109	98	114	93	266	200	183	152	101	82	186
29	94	103	e86	110	---	212	278	170	143	95	89	127
30	94	104	e82	109	---	189	230	161	115	91	89	105
31	94	---	e76	117	---	176	---	155	---	88	86	---
TOTAL	2902	2925	3261	3360	2852	4993	5591	6307	4016	2886	2540	2809
MEAN	93.6	97.5	105	108	102	161	186	203	134	93.1	81.9	93.6
MAX	104	178	128	190	126	488	486	392	187	107	89	186
MIN	88	89	76	79	93	91	133	155	103	87	76	72
CFSM	0.43	0.45	0.49	0.50	0.47	0.75	0.86	0.94	0.62	0.43	0.38	0.43
IN.	0.50	0.50	0.56	0.58	0.49	0.86	0.96	1.09	0.69	0.50	0.44	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	185	209	267	301	377	490	466	365	282	201	182	185
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.

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1910 - 2002	
ANNUAL TOTAL	68430		44442			
ANNUAL MEAN	187		122		293	
HIGHEST ANNUAL MEAN					500	1972
LOWEST ANNUAL MEAN					122	2002
HIGHEST DAILY MEAN	1170	Mar 30	488	Mar 27	12400	Jun 22 1972
LOWEST DAILY MEAN	e76	Dec 31	72	Sep 14	67	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	87	Sep 7	75	Sep 9	70	Sep 7 1966
MAXIMUM PEAK FLOW			730	Mar 27	a19300	Sep 26 1975
MAXIMUM PEAK STAGE			2.91	Mar 27	b18.77	Sep 26 1975
INSTANTANEOUS LOW FLOW			c68	Jan 1	23	Sep 12 1966
ANNUAL RUNOFF (CFSM)	0.87		0.56		1.35	
ANNUAL RUNOFF (INCHES)	11.79		7.65		18.40	
10 PERCENT EXCEEDS	357		187		527	
50 PERCENT EXCEEDS	133		102		212	
90 PERCENT EXCEEDS	90		82		116	

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

