

**YOUGHIOGHENY RIVER BASIN**

**03080000 LAUREL HILL CREEK AT URSINA, PA**

**LOCATION.**--Lat 39°49'13", long 79°19'18", Somerset County, Hydrologic Unit 05020006, on right bank 500 ft downstream from bridge on State Highway 281 at Ursina, and 2.7 mi upstream from mouth.

**DRAINAGE AREA.**--121 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August to September 1913 (gage heights and discharge measurements only), October 1918 to current year. Monthly discharge only for some periods, published in WSP 1305. October 1913 to September 1918 (gage heights and discharge measurements only) in reports of Water Supply Commission of Pennsylvania.

**REVISED RECORDS.**--WSP 743: Drainage area. WSP 893: 1919-21, 1932-34. WSP 1305: 1922-31. WSP 1435: 1919-20. WSP 1625: 1932 (M).

**GAGE.**--Water-stage recorder and masonry control. Datum of gage is 1,335.26 ft above sea level. Prior to July 18, 1939, nonrecording gage at bridge 0.5 mi downstream at datum 6.20 ft lower.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 3,000 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)
Feb. 15	1530	*2,260	*a3.88	(No peaks above base discharge.)			

a Maximum gage height, 3.90 ft, Jan. 30 (backwater from ice).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	70	307	e80	832	173	313	119	122	58	21	27
2	66	65	265	e79	521	159	335	111	732	127	19	23
3	61	63	e200	e78	401	148	324	103	453	73	19	18
4	52	59	e170	e78	354	144	329	94	346	56	35	15
5	46	56	e150	e78	280	172	323	86	266	127	38	15
6	49	53	e140	e77	257	152	417	78	365	326	26	13
7	51	50	e135	e77	236	135	695	70	591	159	19	11
8	42	49	e130	e77	218	149	579	64	459	217	17	9.7
9	39	55	e130	e76	296	129	603	70	330	215	16	8.5
10	46	180	e125	e75	1370	121	814	65	255	150	18	8.9
11	47	326	e125	e75	1250	117	802	60	200	214	25	9.6
12	40	232	e120	e74	645	123	753	55	163	123	27	10
13	35	192	e120	e73	463	865	541	55	136	97	31	9.5
14	32	173	e115	e72	433	1510	414	49	140	79	40	12
15	31	152	e140	e72	1610	912	379	44	106	67	24	14
16	30	131	e200	e72	1770	685	1040	43	90	59	18	13
17	43	120	e320	e71	1740	1470	1180	43	125	53	16	10
18	888	107	e480	e80	1020	1240	815	45	86	53	15	8.6
19	618	96	466	e100	621	749	640	59	69	51	14	7.9
20	325	e90	369	e115	456	545	498	52	93	43	14	16
21	247	e82	e240	e160	387	514	418	46	132	36	13	26
22	197	e76	e190	e200	311	623	364	72	125	32	13	22
23	161	e82	e130	e170	278	497	313	140	375	29	20	17
24	136	e70	e110	e150	225	483	280	86	282	26	22	18
25	123	e115	e96	e140	205	462	239	90	162	24	19	57
26	110	173	e93	e120	264	374	205	149	115	26	16	53
27	98	429	e88	e110	214	310	184	114	88	28	22	32
28	101	467	e84	e105	191	268	164	131	73	27	18	23
29	96	359	e82	e140	---	251	141	124	64	25	20	19
30	81	358	e81	e240	---	322	128	124	55	27	26	17
31	75	---	e80	e750	---	333	---	105	---	24	20	---
TOTAL	4041	4530	5481	3864	16848	14135	14230	2546	6598	2651	661	543.7
MEAN	130	151	177	125	602	456	474	82.1	220	85.5	21.3	18.1
MAX	888	467	480	750	1770	1510	1180	149	732	326	40	57
MIN	30	49	80	71	191	117	128	43	55	24	13	7.9
CFSM	1.08	1.25	1.46	1.03	4.97	3.77	3.92	.68	1.82	.71	.18	.15
IN.	1.24	1.39	1.69	1.19	5.18	4.35	4.37	.78	2.03	.82	.20	.17

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2001, BY WATER YEAR (WY)**

MEAN	116	220	328	351	407	553	444	311	184	104	98.5	81.2
MAX	564	1011	815	1141	1000	1331	879	689	700	388	416	608
(WY)	1955	1986	1973	1937	1956	1936	1970	1924	1941	1985	1935	1971
MIN	6.15	8.91	25.8	57.0	89.3	155	114	52.0	21.2	9.20	8.90	5.73
(WY)	1931	1931	1999	1925	1934	1990	1921	1926	1999	1966	1983	1959

e Estimated.

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03080000 LAUREL HILL CREEK AT URSINA, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1919 - 2001	
ANNUAL TOTAL	92434		76128.7			
ANNUAL MEAN	253		209		266	
HIGHEST ANNUAL MEAN					395	1996
LOWEST ANNUAL MEAN					164	1931
HIGHEST DAILY MEAN	3110	Feb 19	1770	Feb 16	6980	Mar 17 1936
LOWEST DAILY MEAN	17	Sep 9	7.9	Sep 19	2.3	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	22	Sep 4	9.6	Sep 7	3.4	Sep 5 1957
MAXIMUM PEAK FLOW			2260	Feb 15	a10900	Oct 15 1954
MAXIMUM PEAK STAGE			b3.88	Feb 15	10.63	Oct 15 1954
INSTANTANEOUS LOW FLOW			7.6	Sep 19	2.2	Sep 26 1932c
ANNUAL RUNOFF (CFSM)	2.09		1.72		2.20	
ANNUAL RUNOFF (INCHES)	28.42		23.40		29.85	
10 PERCENT EXCEEDS	551		504		636	
50 PERCENT EXCEEDS	140		110		147	
90 PERCENT EXCEEDS	44		19		20	

- a From rating curve extended above 6,100 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.
- b Maximum gage height, 3.90 ft, Jan. 30 (backwater from ice).
- c Also Sept. 4, 1999.

