

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 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 14	0100	3,020	4.53	Apr. 9	2200	*3,840	*5.21
Jan. 24	1100	3,640	5.04				

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	9.5	17	16	e30	290	369	649	167	36	23	21	5.2
2	8.9	13	16	e32	417	265	616	142	35	18	21	3.6
3	9.8	11	16	e34	450	310	477	116	55	19	17	2.3
4	19	10	16	e39	391	578	414	99	41	18	13	2.3
5	22	10	16	e46	372	430	515	87	30	14	12	3.0
6	21	10	16	e44	344	378	405	77	25	11	10	5.9
7	17	10	16	e42	464	403	354	70	23	8.5	8.5	10
8	60	10	18	e39	1350	358	301	71	21	7.5	11	15
9	117	10	34	e36	854	311	1620	66	20	6.7	21	12
10	48	12	27	e70	568	283	2450	57	20	12	18	9.1
11	32	18	21	e240	418	263	1510	49	18	15	14	7.3
12	26	20	20	e520	350	208	1420	43	17	14	11	6.1
13	22	16	19	e800	306	189	1040	40	16	10	8.9	5.1
14	19	14	18	1180	249	173	672	46	15	7.7	8.5	5.1
15	18	13	17	592	224	192	498	39	17	6.9	7.8	5.4
16	17	13	17	444	204	163	566	32	18	6.1	9.9	6.7
17	16	62	20	399	200	242	474	29	17	5.6	10	8.8
18	15	71	20	568	184	1240	541	27	17	5.4	7.8	12
19	15	42	20	726	162	1430	563	31	17	5.8	6.7	9.7
20	15	29	19	483	141	836	974	30	15	5.1	6.0	9.5
21	16	23	21	401	128	988	917	25	14	4.7	5.9	9.3
22	16	22	44	526	130	1470	688	23	13	4.9	5.6	11
23	16	21	52	1320	97	898	821	104	12	5.9	5.3	11
24	21	18	55	3070	112	702	1020	118	10	7.3	4.9	8.5
25	16	17	57	1770	93	673	658	264	8.9	11	5.8	7.5
26	14	17	40	883	79	564	492	148	8.1	9.9	7.3	7.1
27	13	21	e35	573	98	566	376	98	7.8	6.7	9.9	7.3
28	11	20	e32	864	188	640	295	72	10	8.6	12	8.2
29	16	18	e29	877	---	755	242	58	35	78	9.4	8.8
30	17	17	e26	526	---	779	200	49	44	51	8.1	19
31	24	---	e26	364	---	672	---	41	---	30	6.6	---
TOTAL	707.2	605	799	17538	8863	17328	21768	2318	635.8	437.3	323.9	241.8
MEAN	22.8	20.2	25.8	566	317	559	726	74.8	21.2	14.1	10.4	8.06
MAX	117	71	57	3070	1350	1470	2450	264	55	78	21	19
MIN	8.9	10	16	30	79	163	200	23	7.8	4.7	4.9	2.3
CFSM	.19	.17	.21	4.68	2.62	4.62	6.00	.62	.18	.12	.09	.07
IN.	.22	.19	.25	5.39	2.72	5.33	6.69	.71	.20	.13	.10	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1999, BY WATER YEAR (WY)

MEAN	117	221	332	356	401	557	443	315	182	105	97.3	82.1
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

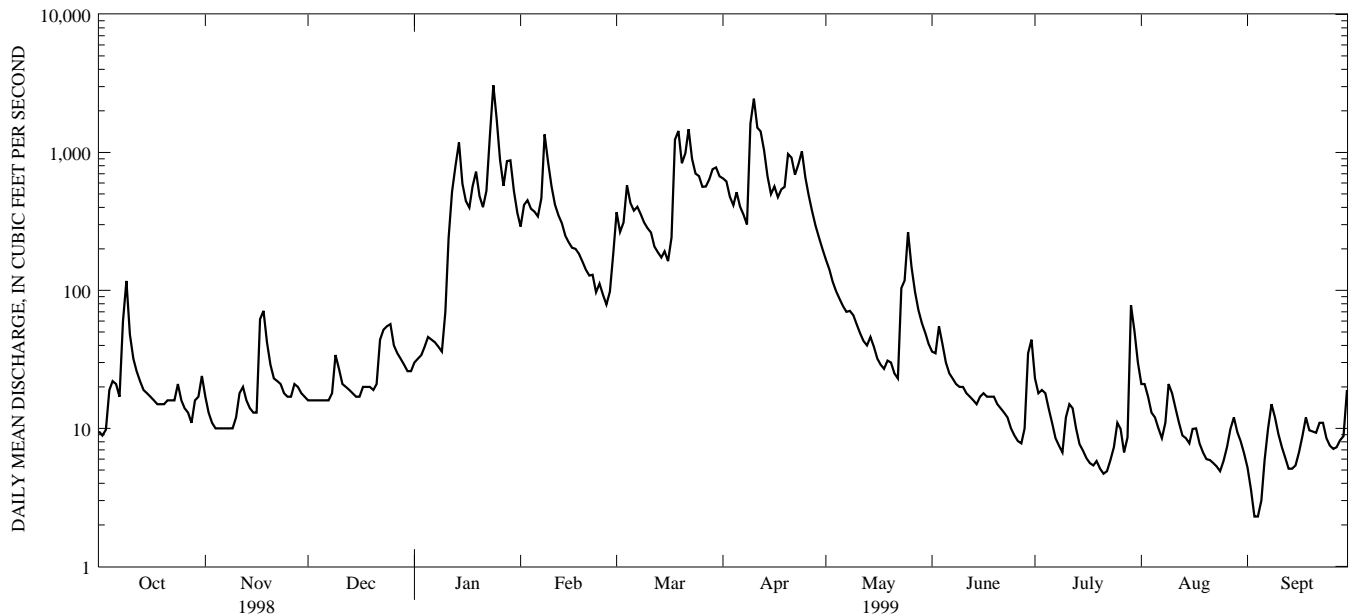
e Estimated.

YOUGHIOGHENY RIVER BASIN

03080000 LAUREL HILL CREEK AT URSINA, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1919 - 1999	
ANNUAL TOTAL	80537.3		71565.0			
ANNUAL MEAN	221		196		267	
HIGHEST ANNUAL MEAN					395	1996
LOWEST ANNUAL MEAN					164	1931
HIGHEST DAILY MEAN	2680	Apr 10	3070	Jan 24	6980	Mar 17 1936
LOWEST DAILY MEAN	8.2	Sep 6	2.3	Sep 3,4	2.3	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	a9.8	Sep 13	4.1	Aug 31	3.4	Sep 5 1957
INSTANTANEOUS PEAK FLOW			3840	Apr 9	b10900	Oct 15 1954
INSTANTANEOUS PEAK STAGE			5.21	Apr 9	10.63	Oct 15 1954
INSTANTANEOUS LOW FLOW			2.2	Sep 4	2.2	Sep 26 1932c
ANNUAL RUNOFF (CFSM)	1.82		1.62		2.20	
ANNUAL RUNOFF (INCHES)	24.76		22.00		29.96	
10 PERCENT EXCEEDS	548		626		637	
50 PERCENT EXCEEDS	80		24		148	
90 PERCENT EXCEEDS	13		7.5		20	

- a Computed using estimated daily discharges.
- b From rating curve extended above 6,100 ft³/s on basis of slope-area measurement of peak flow.
- c Also Sept. 4, 1999.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999