

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)
Feb. 11	----	Unknown	Ice jam	Aug. 6	2115	*8,700	*9.00
Feb. 19	0300	4,060	5.39				

**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	27	18	163	203	e70	411	212	159	279	106	121	27
2	17	17	154	71	e66	387	204	316	213	85	79	27
3	12	149	113	85	e63	315	271	252	194	88	56	29
4	12	72	107	112	e75	268	1040	204	143	154	237	32
5	16	92	102	169	e72	229	1080	184	129	106	135	25
6	11	100	91	146	e70	185	680	166	1380	76	1950	21
7	8.0	92	84	147	e66	160	485	149	1390	62	2480	19
8	6.9	71	73	146	e62	147	456	134	685	51	926	18
9	6.4	63	66	105	e58	142	520	120	420	45	531	17
10	37	56	102	122	e55	144	432	107	298	49	355	23
11	119	51	191	154	e120	163	395	92	220	219	248	172
12	57	44	148	142	e700	356	664	81	214	111	184	87
13	33	39	161	137	1750	270	543	80	301	73	143	60
14	37	36	894	141	1660	231	438	84	346	66	121	46
15	57	35	1030	125	1320	206	371	67	242	161	96	37
16	36	31	559	133	818	198	313	58	202	142	81	70
17	28	30	366	100	700	356	446	52	147	99	67	83
18	24	27	276	117	862	298	595	50	135	78	66	58
19	22	27	221	140	3110	262	442	165	196	71	77	45
20	20	27	187	172	1500	238	374	926	146	89	58	43
21	19	32	178	195	778	505	462	379	122	76	47	44
22	18	35	146	327	556	716	891	251	285	67	41	44
23	17	32	128	296	548	720	1010	225	170	58	37	36
24	20	30	122	239	702	576	732	404	127	51	39	34
25	24	85	e86	135	946	454	541	394	105	50	42	64
26	59	1020	e96	e80	764	377	415	276	107	46	34	363
27	65	1030	e125	e80	549	314	333	233	191	42	30	239
28	49	477	e125	e76	658	294	276	506	357	39	40	144
29	35	288	128	e76	479	309	228	935	181	44	38	109
30	28	214	128	e78	---	292	189	526	135	54	32	88
31	23	---	93	e76	---	241	---	369	---	92	29	---
TOTAL	943.3	4320	6443	4325	19177	9764	15038	7944	9060	2550	8420	2104
MEAN	30.4	144	208	140	661	315	501	256	302	82.3	272	70.1
MAX	119	1030	1030	327	3110	720	1080	935	1390	219	2480	363
MIN	6.4	17	66	71	55	142	189	50	105	39	29	17
CFM	.25	1.19	1.72	1.15	5.47	2.60	4.14	2.12	2.50	.68	2.24	.58
IN.	.29	1.33	1.98	1.33	5.90	3.00	4.62	2.44	2.79	.78	2.59	.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2000, BY WATER YEAR (WY)

MEAN	116	221	330	353	404	554	444	314	183	105	99.4	82.0
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

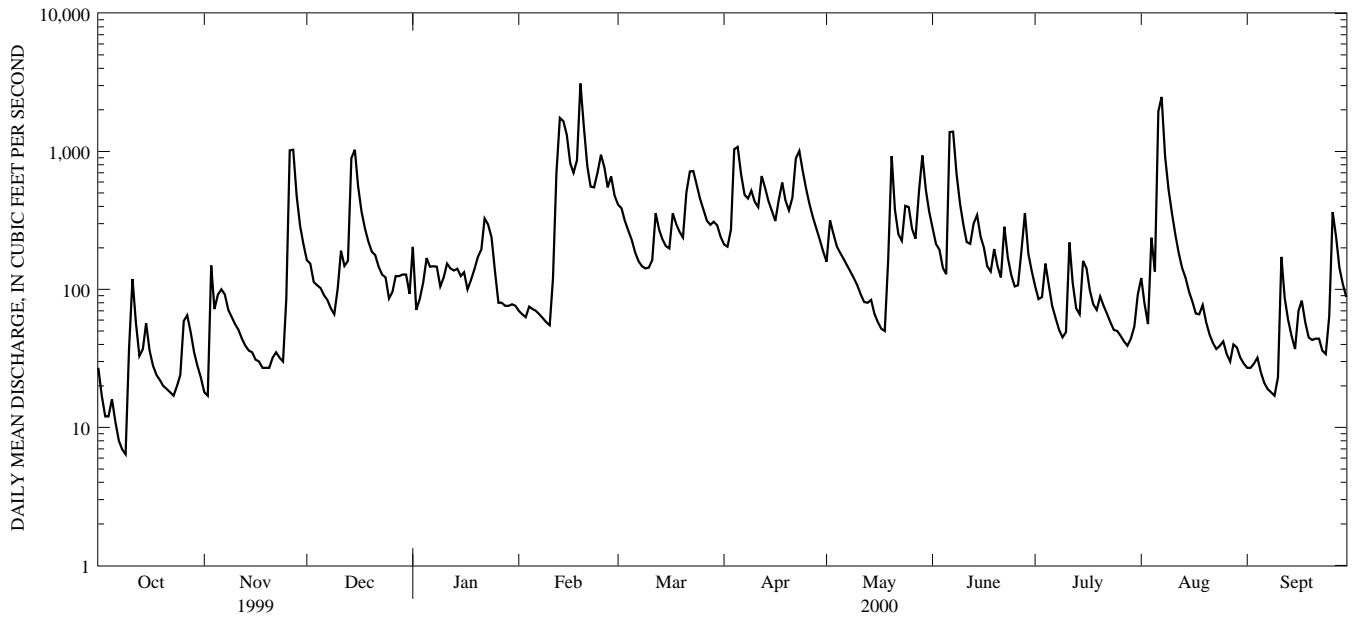
e Estimated.

YOUGHIOGHENY RIVER BASIN

03080000 LAUREL HILL CREEK AT URSINA, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1919 - 2000	
ANNUAL TOTAL	81160.1		90088.3			
ANNUAL MEAN	222		246		267	
HIGHEST ANNUAL MEAN					395	
LOWEST ANNUAL MEAN					164	
HIGHEST DAILY MEAN	3070	Jan 24	3110	Feb 19	6980	Mar 17 1936
LOWEST DAILY MEAN	2.3	Sep 3,4	6.4	Oct 9	2.3	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 31	10	Oct 3	3.4	Sep 5 1957
INSTANTANEOUS PEAK FLOW			a8700	Aug 6	a10900	Oct 15 1954
INSTANTANEOUS PEAK STAGE			9.00	Aug 6	10.63	Oct 15 1954
INSTANTANEOUS LOW FLOW			6.0	Oct 9	2.2	Sep 26 1932 ^b
ANNUAL RUNOFF (CFSM)	1.84		2.03		2.20	
ANNUAL RUNOFF (INCHES)	24.95		27.70		29.93	
10 PERCENT EXCEEDS	672		582		637	
50 PERCENT EXCEEDS	49		128		148	
90 PERCENT EXCEEDS	7.3		30		20	

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



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