

**BEAVER RIVER BASIN**

**03102500 LITTLE SHENANGO RIVER AT GREENVILLE, PA**

**LOCATION.**--Lat 41°25'19", long 80°22'35", Mercer County, Hydrologic Unit 05030102, on left bank 1,700 ft downstream from Williamson Crossing bridge, 1 mi northeast of Greenville, and 2.0 mi upstream from mouth.

**DRAINAGE AREA.**--104 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1913 to current year. Monthly discharge only for some periods, published in WSP 1305.

**REVISED RECORDS.**--WSP 743: Drainage area. WSP 1305: 1914, 1922-23, 1926-29. WSP 1335: 1923 (m).

**GAGE.**--Water-stage recorder. Datum of gage is 953.46 ft above sea level. Prior to Nov. 4, 1915, nonrecording gage; Nov. 4, 1915, to Sept. 30, 1918, water-stage recorder; Nov. 7, 1919, to Aug. 31, 1923, and Nov. 19, 1925, to June 20, 1934, nonrecording gage at site 1 mi downstream at datum 8.96 ft lower.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 1,500 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)
Jan. 24	1830	*2,070	*7.12	No other peak greater than base discharge.			

**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	12	20	30	48	133	364	62	89	34	17	23	5.4
2	10	20	29	54	353	260	78	80	36	20	24	5.3
3	11	20	27	48	e610	279	73	73	39	19	17	5.2
4	15	20	27	42	368	e620	78	66	38	18	13	4.6
5	16	20	27	35	271	386	251	62	33	15	16	4.0
6	14	20	27	e30	202	282	186	59	29	13	16	4.4
7	15	21	27	e31	168	228	127	57	27	e14	12	3.6
8	65	23	27	e34	199	190	103	57	25	e14	12	3.6
9	64	24	26	e30	192	170	249	61	21	13	13	3.8
10	39	30	26	e27	157	145	749	60	20	24	13	4.4
11	27	65	27	e29	130	125	595	54	20	23	11	5.3
12	22	59	24	e35	134	e105	756	49	18	18	10	4.5
13	19	44	23	e40	193	e98	472	45	16	14	10	4.2
14	18	37	23	e48	153	e94	285	42	18	12	15	6.4
15	18	32	22	e56	131	e88	212	40	21	9.9	13	7.5
16	18	29	22	e70	140	e98	203	36	18	8.4	11	6.3
17	18	27	24	e84	162	143	352	34	17	7.8	9.4	5.6
18	17	26	27	e110	185	e370	349	31	16	9.3	8.3	8.1
19	30	26	27	e200	143	e500	350	55	15	13	7.7	7.1
20	28	26	29	e320	113	e300	438	57	14	11	7.6	4.3
21	24	29	42	e230	93	182	319	41	14	10	7.8	5.6
22	29	29	273	e200	84	148	302	35	14	12	7.8	4.6
23	27	28	184	e700	66	126	398	34	13	21	7.8	4.1
24	24	27	95	1740	67	107	556	106	12	15	7.0	3.6
25	23	27	82	1230	63	99	367	188	12	11	7.5	3.7
26	22	33	93	558	62	89	265	96	13	8.6	9.9	3.6
27	21	35	61	358	62	82	202	69	13	7.5	12	3.6
28	20	34	e43	365	164	75	153	56	19	7.1	11	3.5
29	21	31	e39	343	---	69	118	46	20	34	9.0	9.1
30	20	29	e44	234	---	63	101	39	19	42	7.4	35
31	20	---	51	164	---	60	---	34	---	23	5.8	---
TOTAL	727	891	1528	7493	4798	5945	8749	1851	624	484.6	355.0	180.0
MEAN	23.5	29.7	49.3	242	171	192	292	59.7	20.8	15.6	11.5	6.00
MAX	65	65	273	1740	610	620	756	188	39	42	24	35
MIN	10	20	22	27	62	60	62	31	12	7.1	5.8	3.5
CFSM	.23	.29	.47	2.32	1.65	1.84	2.80	.57	.20	.15	.11	.06
IN.	.26	.32	.55	2.68	1.72	2.13	3.13	.66	.22	.17	.13	.06

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1999, BY WATER YEAR (WY)**

MEAN	60.2	124	176	209	224	299	232	155	91.9	60.9	42.5	41.4
MAX	343	639	521	773	553	659	506	511	395	457	284	316
(WY)	1927	1986	1928	1937	1976	1963	1957	1929	1989	1958	1980	1926
MIN	5.19	6.31	16.8	21.3	36.0	66.5	16.7	21.8	11.9	5.91	5.33	5.90
(WY)	1964	1931	1961	1977	1963	1915	1915	1934	1934	1934	1930	1930

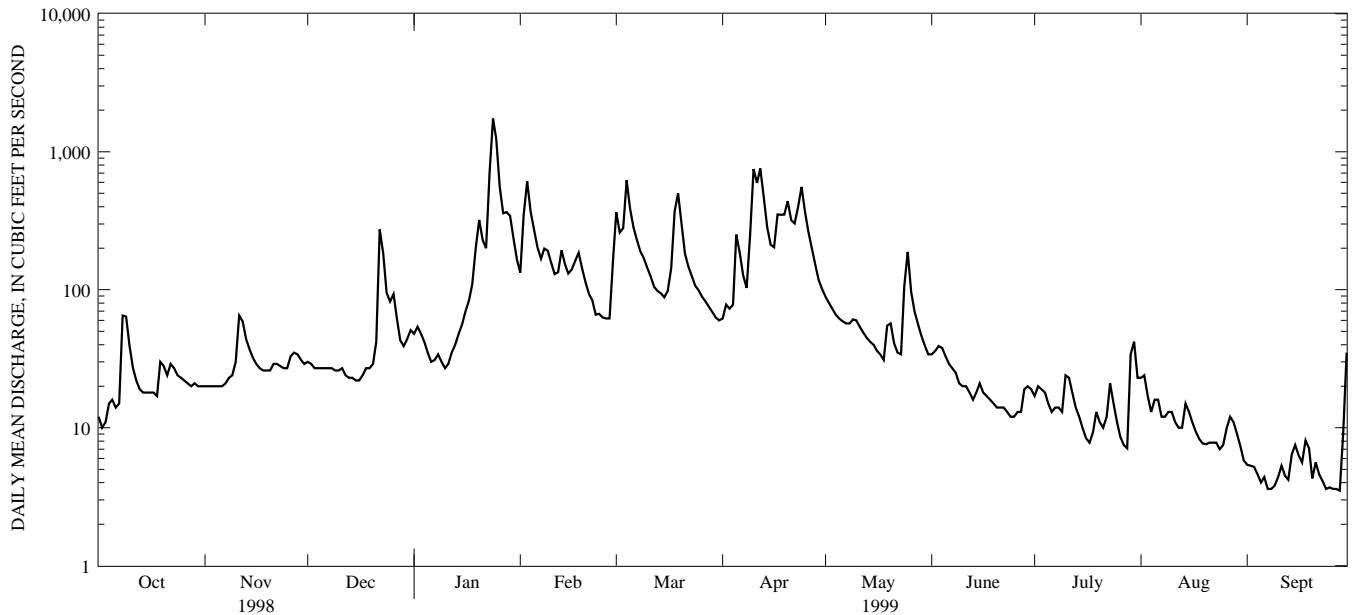
e Estimated.

BEAVER RIVER BASIN

03102500 LITTLE SHENANGO RIVER AT GREENVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1914 - 1999	
ANNUAL TOTAL	42517.3			33625.6			143	
ANNUAL MEAN	116			92.1			218	
HIGHEST ANNUAL MEAN							1956	
LOWEST ANNUAL MEAN							65.6	
HIGHEST DAILY MEAN	2560	Jan	9	1740	Jan	24	5980	Jan 22 1959
LOWEST DAILY MEAN	7.9	Aug	22,23	3.5	Sep	28	3.1	Jul 31 1934
ANNUAL SEVEN-DAY MINIMUM	8.6	Aug	17	3.8	Sep	22	3.4	Jul 26 1934
INSTANTANEOUS PEAK FLOW				2070	Jan	24	a8540	Jan 22 1959
INSTANTANEOUS PEAK STAGE				7.12	Jan	24	14.30	Jan 22 1959
INSTANTANEOUS LOW FLOW				3.2	Sep	9,29	2.9	Jul 31 1934
ANNUAL RUNOFF (CFSM)	1.12			.89			1.37	
ANNUAL RUNOFF (INCHES)	15.21			12.03			18.63	
10 PERCENT EXCEEDS	269			262			330	
50 PERCENT EXCEEDS	39			30			66	
90 PERCENT EXCEEDS	11			7.8			13	

a From rating curve extended above 3,200 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 12.26 ft.



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