

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 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Apr. 9	0600	*2,080	*7.14	No other peak greater than base discharge.			

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	24	15	61	e32	e28	150	68	e66	56	77	19	12
2	14	58	54	e35	e28	177	68	90	67	56	30	11
3	8.5	414	53	104	e27	145	148	112	115	56	163	11
4	7.4	229	55	502	e27	120	825	96	79	83	74	11
5	6.6	114	57	677	e26	107	880	85	64	e60	43	9.5
6	5.5	85	85	347	e27	96	382	e80	104	e45	118	9.1
7	5.2	66	94	216	e29	87	240	e74	111	e38	391	8.7
8	5.6	54	75	164	e31	79	1130	e68	84	e34	210	8.7
9	12	46	63	133	e35	73	1830	e64	65	e32	83	8.7
10	16	39	88	121	e42	67	942	e60	54	e30	55	10
11	14	36	210	e190	e64	64	486	e58	64	e28	42	17
12	11	32	124	e180	e105	98	329	e56	254	e26	34	19
13	11	30	98	e160	195	113	243	e51	281	e25	30	18
14	26	28	278	e140	174	105	188	e47	578	25	27	15
15	27	27	725	e120	288	94	154	e46	226	26	24	15
16	19	30	346	e110	212	93	e120	e45	142	26	23	26
17	14	28	212	e130	184	211	e100	e44	425	34	21	31
18	15	26	153	e105	145	156	e90	e41	405	37	20	24
19	13	24	122	58	128	115	e80	128	446	29	20	18
20	13	27	113	e52	116	103	e85	234	222	25	18	15
21	12	32	117	e48	105	110	e135	220	176	22	17	19
22	11	32	100	e45	123	136	247	148	322	21	16	30
23	11	30	83	e42	445	120	214	110	202	20	19	27
24	24	28	e68	e38	648	103	171	512	118	19	22	102
25	32	28	e56	e36	552	100	133	276	97	18	21	109
26	26	76	e45	e34	419	93	e98	132	98	17	17	49
27	21	257	e41	e33	279	86	e80	98	109	16	16	32
28	18	141	e39	e32	233	93	e72	90	188	16	15	23
29	16	92	e36	e31	171	87	e64	83	138	16	15	20
30	16	73	e34	e29	---	83	e56	71	112	18	13	18
31	15	---	e32	e28	---	76	---	60	---	16	13	---
TOTAL	469.8	2197	3717	3972	4886	3340	9658	3345	5402	991	1629	726.7
MEAN	15.2	73.2	120	128	168	108	322	108	180	32.0	52.5	24.2
MAX	32	414	725	677	648	211	1830	512	578	83	391	109
MIN	5.2	15	32	28	26	64	56	41	54	16	13	8.7
CFSM	.15	.70	1.15	1.23	1.62	1.04	3.10	1.04	1.73	.31	.51	.23
IN.	.17	.79	1.33	1.42	1.75	1.19	3.45	1.20	1.93	.35	.58	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	59.6	124	175	208	224	297	233	154	93.0	60.6	42.6	41.2
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

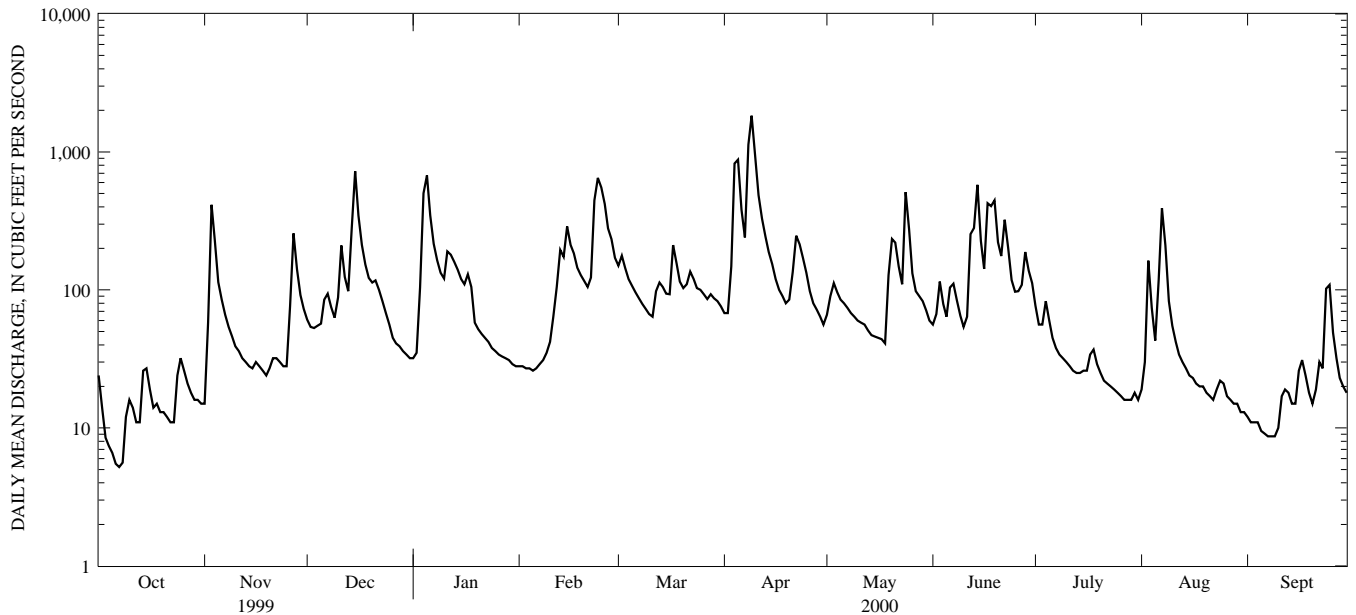
e Estimated.

BEAVER RIVER BASIN

03102500 LITTLE SHENANGO RIVER AT GREENVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	36863.4		40333.5			
ANNUAL MEAN	101		110		142	
HIGHEST ANNUAL MEAN					218	1956
LOWEST ANNUAL MEAN					65.6	1931
HIGHEST DAILY MEAN	1740	Jan 24	1830	Apr 9	5980	Jan 22 1959
LOWEST DAILY MEAN	3.5	Sep 28	5.2	Oct 7	3.1	Jul 31 1934
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 22	7.3	Oct 3	3.4	Jul 26 1934
INSTANTANEOUS PEAK FLOW			2080	Apr 9	a8540	Jan 22 1959
INSTANTANEOUS PEAK STAGE			7.14	Apr 9	14.30	Jan 22 1959
INSTANTANEOUS LOW FLOW			4.9	Oct 6,7	2.9	Jul 31 1934
ANNUAL RUNOFF (CFSM)	.97		1.06		1.37	
ANNUAL RUNOFF (INCHES)	13.19		14.43		18.58	
10 PERCENT EXCEEDS	278		233		328	
50 PERCENT EXCEEDS	36		62		65	
90 PERCENT EXCEEDS	7.5		15		13	

a From rating curve extended above 3,200 ft³/s on basis of slope-area measurement at gage height 12.26 ft.



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