

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. Satellite telemetry at station.

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)
Dec. 17	2000	*1,690	*6.38	No other peak greater than base discharge.			

**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	16	24	100	e84	469	67	109	61	67	26	6.4	15
2	15	23	84	e82	268	65	96	58	146	27	5.6	26
3	14	24	66	e79	175	65	87	56	111	21	7.2	14
4	15	27	72	e77	157	63	86	52	91	20	8.6	8.6
5	23	26	52	e75	132	68	78	48	77	19	7.8	6.1
6	86	26	45	e73	127	65	84	42	70	17	6.0	4.9
7	95	25	42	e71	120	63	141	39	76	15	4.9	3.9
8	60	24	42	e69	110	61	122	40	70	34	4.4	3.8
9	59	24	41	e69	377	60	131	47	58	26	4.3	3.3
10	83	33	71	e68	629	60	395	44	51	21	4.0	3.1
11	91	61	43	e67	330	61	224	39	53	17	3.8	3.1
12	62	57	258	e66	189	64	172	92	54	14	3.9	2.9
13	49	44	189	e66	167	306	130	113	46	13	3.7	3.1
14	40	38	141	e65	255	582	103	76	40	13	3.5	8.8
15	35	36	117	e76	677	292	99	63	36	12	3.2	14
16	32	33	207	e82	415	197	506	57	32	11	2.8	8.7
17	30	31	1290	e86	264	226	487	52	29	11	3.2	6.6
18	31	31	1100	e84	183	194	319	53	26	15	3.5	5.3
19	30	30	429	e80	e140	155	217	49	24	14	3.8	4.9
20	29	30	e200	e80	e120	129	175	43	23	12	4.4	7.4
21	30	29	e170	e80	e100	126	252	40	25	11	6.9	8.0
22	27	e29	e150	e70	e90	272	200	88	34	9.7	5.9	15
23	24	e29	e160	e61	e84	193	159	212	37	9.2	5.1	11
24	26	e29	e150	e55	e80	137	130	130	31	9.5	5.4	9.8
25	28	e29	e140	e47	88	120	112	113	27	8.6	5.4	12
26	30	90	e130	e44	105	112	98	391	23	9.4	4.9	12
27	29	190	e115	e43	90	106	89	205	20	11	5.0	13
28	28	150	e110	e43	79	108	80	125	18	9.9	14	48
29	26	101	e105	e42	---	120	70	104	16	7.9	9.9	37
30	25	96	e96	e65	---	119	65	87	21	7.0	5.8	21
31	25	---	e88	548	---	125	---	73	---	6.8	5.3	---
TOTAL	1193	1419	6003	2597	6020	4381	5016	2692	1432	458.0	168.6	340.3
MEAN	38.5	47.3	194	83.8	215	141	167	86.8	47.7	14.8	5.44	11.3
MAX	95	190	1290	548	677	582	506	391	146	34	14	48
MIN	14	23	41	42	79	60	65	39	16	6.8	2.8	2.9
CFSM	.37	.45	1.86	.81	2.07	1.36	1.61	.83	.46	.14	.05	.11
IN.	.43	.51	2.15	.93	2.15	1.57	1.79	.96	.51	.16	.06	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	59.4	123	175	207	224	295	232	154	92.5	60.1	42.2	40.8
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.

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03102500 LITTLE SHENANGO RIVER AT GREENVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	42564.7		31719.9			
ANNUAL MEAN	116		86.9		142	
HIGHEST ANNUAL MEAN					218	1956
LOWEST ANNUAL MEAN					65.6	1931
HIGHEST DAILY MEAN	1830	Apr 9	1290	Dec 17	5980	Jan 22 1959
LOWEST DAILY MEAN	8.7	Sep 7-9	2.8	Aug 16	2.8	Aug 16 2001
ANNUAL SEVEN-DAY MINIMUM	9.4	Sep 4	3.3	Sep 7	3.3	Sep 7 2001
MAXIMUM PEAK FLOW			1690	Dec 17	a8540	Jan 22 1959
MAXIMUM PEAK STAGE			6.38	Dec 17	14.30	Jan 22 1959
INSTANTANEOUS LOW FLOW			2.4	Aug 16b	2.4	Aug 16 2001b
ANNUAL RUNOFF (CFSM)	1.12		.84		1.36	
ANNUAL RUNOFF (INCHES)	15.23		11.35		18.50	
10 PERCENT EXCEEDS	228		189		326	
50 PERCENT EXCEEDS	64		53		65	
90 PERCENT EXCEEDS	18		6.5		13	

a From rating curve extended above 3,200 ft³/s on basis of slope-area measurement at gage height 12.26 ft.
 b Also Sept. 13.

