

BEAVER RIVER BASIN

03101500 SHENANGO RIVER AT PYMATUNING DAM, PA

LOCATION.--Lat 41°29'53", long 80°27'37", Crawford County, Hydrologic Unit 05030102, on left bank 500 ft downstream from Sugar Run, 900 ft downstream from Pymatuning Dam, 1.5 mi northwest of Jamestown, at mile 84.9.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--June 1934 to current year.

REVISED RECORDS.--WSP 823: 1934-36. WSP 1083: 1936 (M), 1937, 1940 (M), 1941-45. WSP 1335: 1940.

GAGE.--Water-stage recorder and concrete dam control. Datum of gage is 970.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1933 by Pymatuning Reservoir (station 03100500). Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

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	88	53	50	52	275	285	47	186	77	95	97	92
2	80	44	50	52	240	264	49	186	77	95	96	92
3	76	33	50	52	350	226	48	186	77	95	95	92
4	77	32	50	52	330	190	51	186	77	95	95	92
5	77	32	50	50	320	165	59	186	77	93	95	92
6	76	32	50	50	315	164	50	186	77	92	95	92
7	75	32	49	49	310	163	48	146	75	92	95	92
8	82	32	49	49	310	160	47	125	75	92	95	86
9	72	32	49	49	310	159	98	125	75	93	95	92
10	68	43	49	49	360	159	95	125	146	95	95	94
11	67	54	49	49	393	157	115	125	102	95	95	97
12	66	52	49	49	399	158	96	125	77	94	95	97
13	66	52	49	49	400	157	58	95	76	92	94	97
14	66	52	49	50	395	156	50	79	75	92	92	97
15	66	51	49	50	395	155	47	79	75	92	92	97
16	66	50	49	50	397	157	48	79	73	93	92	97
17	65	50	49	50	400	171	77	79	73	95	92	95
18	65	50	49	59	400	131	60	79	73	95	92	95
19	65	50	49	82	397	110	91	79	73	95	92	95
20	65	50	49	188	393	105	71	79	73	95	92	95
21	65	50	52	302	391	104	56	79	73	94	92	95
22	65	50	82	360	388	102	67	79	73	95	92	95
23	65	50	55	441	388	102	98	79	86	95	92	95
24	65	50	51	197	388	96	75	81	110	95	92	95
25	64	50	50	146	388	97	144	81	110	95	92	95
26	63	50	50	240	388	80	193	79	110	93	92	95
27	57	50	50	276	349	49	189	79	111	94	92	95
28	54	50	50	341	291	49	187	78	116	95	92	95
29	54	50	50	336	---	47	186	77	104	102	92	74
30	54	50	50	324	---	47	186	77	96	96	92	64
31	54	---	52	318	---	46	---	77	---	96	92	---
TOTAL	2088	1376	1578	4461	10060	4211	2686	3401	2592	2925	2893	2776
MEAN	67.4	45.9	50.9	144	359	136	89.5	110	86.4	94.4	93.3	92.5
MAX	88	54	82	441	400	285	193	186	146	102	97	97
MIN	54	32	49	49	240	46	47	77	73	92	92	64
CFSM	.40	.27	.30	.86	2.15	.81	.54	.66	.52	.56	.56	.55
IN.	.47	.31	.35	.99	2.24	.94	.60	.76	.58	.65	.64	.62

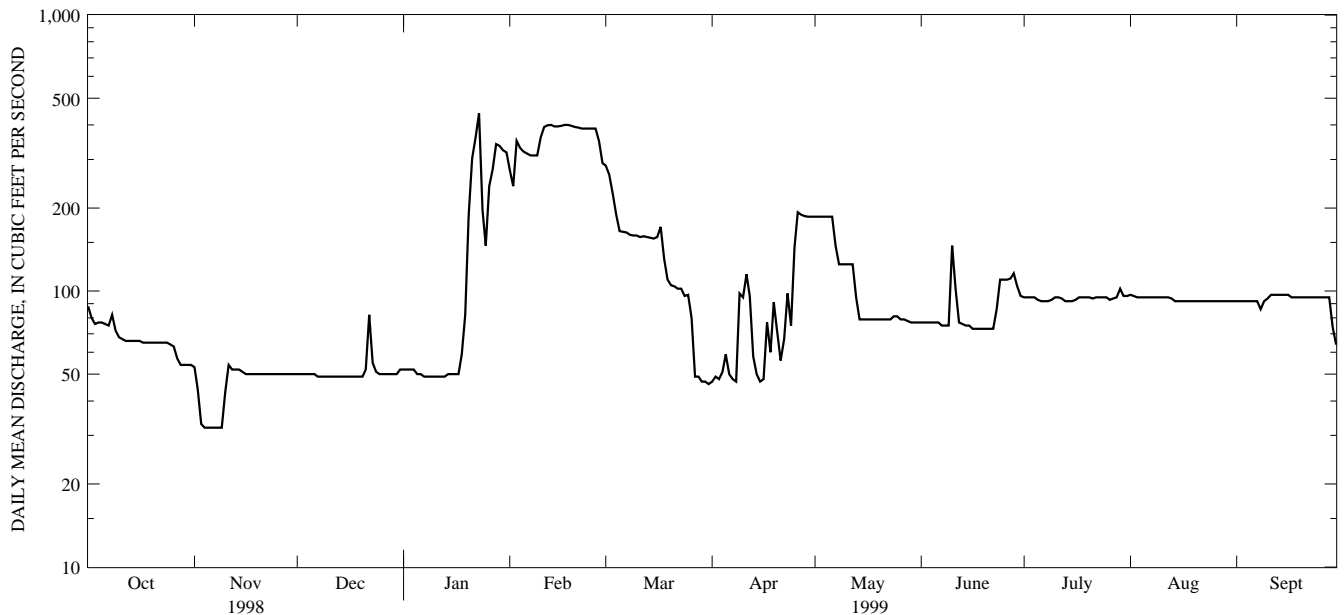
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1999, BY WATER YEAR (WY)

MEAN	170	180	297	279	283	260	197	162	160	151	162	185
MAX	601	588	753	728	783	682	608	548	773	408	587	558
(WY)	1982	1997	1987	1943	1952	1956	1950	1956	1947	1987	1956	1956
MIN	17.3	6.27	3.79	10.4	13.2	17.0	2.78	5.78	5.37	20.0	31.6	40.2
(WY)	1935	1935	1945	1936	1935	1992	1935	1935	1935	1968	1935	1935

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03101500 SHENANGO RIVER AT PYMATUNING DAM, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1935 - 1999	
ANNUAL TOTAL	52236			41047				
ANNUAL MEAN	143			112			207	
HIGHEST ANNUAL MEAN							330	1956
LOWEST ANNUAL MEAN							16.6	1935
HIGHEST DAILY MEAN	599	Jan 14		441	Jan 23		1240	Jan 28 1937
LOWEST DAILY MEAN	32	Nov 4-9		32	Nov 4-9		.40	Aug 25 1935
ANNUAL SEVEN-DAY MINIMUM	32	Nov 3		32	Nov 3		.73	Jun 6 1935
INSTANTANEOUS PEAK FLOW				635	Jan 23		1540	Sep 4 1937
INSTANTANEOUS PEAK STAGE				6.14	Jan 23		9.20	Sep 4 1937
ANNUAL RUNOFF (CFSM)	.86			.67			1.24	
ANNUAL RUNOFF (INCHES)	11.64			9.14			16.83	
10 PERCENT EXCEEDS	484			268			558	
50 PERCENT EXCEEDS	75			92			136	
90 PERCENT EXCEEDS	49			49			25	



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