

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 December 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	60	270	492	48	36	33	106	230	172	79	79
2	61	119	271	491	21	36	35	116	182	172	80	79
3	60	174	268	447	28	34	46	109	98	172	81	79
4	61	137	271	318	28	32	119	105	81	132	80	79
5	60	175	271	361	28	32	59	109	83	109	79	79
6	60	194	282	470	28	31	43	108	101	108	85	79
7	60	193	276	503	28	30	40	106	86	109	86	79
8	60	240	305	500	28	30	246	105	82	109	81	79
9	60	266	357	500	28	31	86	105	81	73	81	79
10	60	266	375	513	29	30	58	106	81	49	80	79
11	60	266	371	524	50	30	44	105	94	48	79	81
12	60	262	363	507	43	36	39	105	115	51	81	80
13	60	262	361	502	36	37	35	105	121	48	79	79
14	61	262	393	498	66	37	34	105	104	48	79	79
15	60	262	306	497	55	34	33	105	104	48	79	79
16	60	262	358	345	43	37	31	105	116	48	79	84
17	60	262	351	274	38	51	31	90	147	47	79	81
18	60	262	348	271	36	37	31	71	204	47	79	81
19	60	262	347	271	36	34	30	188	318	47	79	81
20	59	262	347	273	34	33	57	200	420	47	79	81
21	59	262	395	271	33	39	100	192	417	47	79	81
22	59	262	473	271	47	41	54	237	420	47	79	81
23	59	262	499	271	128	38	42	282	420	47	79	82
24	61	264	496	271	90	37	65	306	420	47	79	83
25	61	266	496	271	74	37	81	404	420	47	79	82
26	60	282	496	271	48	35	78	432	417	68	79	81
27	60	288	496	218	40	35	86	432	415	79	79	81
28	60	275	494	189	36	36	106	432	415	79	79	81
29	60	271	492	189	34	35	105	431	416	79	79	87
30	60	271	492	189	---	35	105	428	329	79	79	87
31	60	---	492	138	---	34	---	366	---	79	79	---
TOTAL	1863	7151	11812	11106	1261	1090	1952	6196	6937	2382	2473	2422
MEAN	60.1	238	381	358	43.5	35.2	65.1	200	231	76.8	79.8	80.7
MAX	62	288	499	524	128	51	246	432	420	172	86	87
MIN	59	60	268	138	21	30	30	71	81	47	79	79
CFSM	.36	1.43	2.28	2.15	.26	.21	.39	1.20	1.38	.46	.48	.48
IN.	.41	1.59	2.63	2.47	.28	.24	.43	1.38	1.55	.53	.55	.54

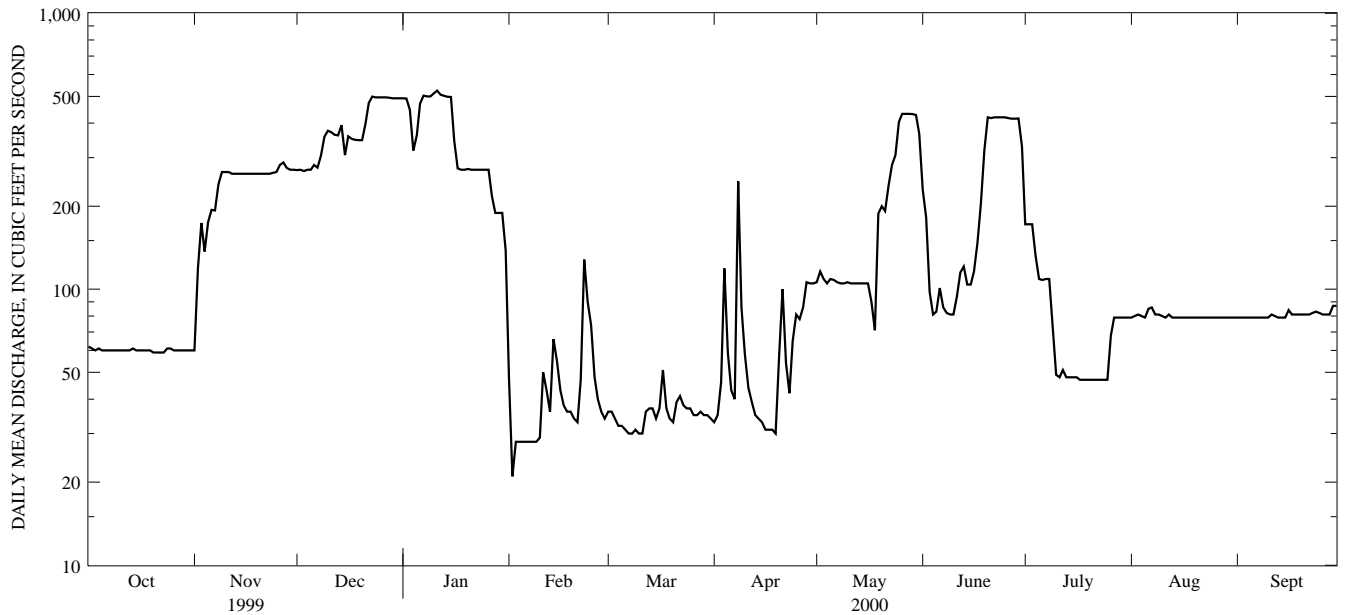
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2000, BY WATER YEAR (WY)

MEAN	169	181	298	280	280	257	195	162	161	150	161	183
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 1999 CALENDAR YEAR			FOR 2000 WATER YEAR			WATER YEARS 1935 - 2000	
ANNUAL TOTAL	56831			56645				
ANNUAL MEAN	156			155			206	
HIGHEST ANNUAL MEAN							330	1956
LOWEST ANNUAL MEAN							16.6	1935
HIGHEST DAILY MEAN	499	Dec 23		524	Jan 11		1240	Jan 28 1937
LOWEST DAILY MEAN	46	Mar 31		21	Feb 2		.40	Aug 25 1935
ANNUAL SEVEN-DAY MINIMUM	48	Mar 28		27	Feb 2		.73	Jun 6 1935
INSTANTANEOUS PEAK FLOW				536	Jan 10		1540	Sep 4 1937
INSTANTANEOUS PEAK STAGE				5.89	Jan 10		9.20	Sep 4 1937
ANNUAL RUNOFF (CFSM)	.93			.93			1.23	
ANNUAL RUNOFF (INCHES)	12.66			12.62			16.77	
10 PERCENT EXCEEDS	357			415			555	
50 PERCENT EXCEEDS	95			81			134	
90 PERCENT EXCEEDS	59			35			26	



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