

BEAVER RIVER BASIN

03102850 SHENANGO RIVER NEAR TRANSFER, PA

LOCATION.--Lat 41°21'13", long 80°23'53", Mercer County, Hydrologic Unit 05030102, on left bank at downstream side of covered wooden bridge, 200 ft downstream from highway bridge, 0.6 mi downstream from Big Run, 2.5 mi northeast of Transfer, at mile 71.8.

DRAINAGE AREA.--337 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR PA-71-3: 1966, 1967.

GAGE.--Water-stage recorder. Datum of gage is 913.94 ft above sea level (Pennsylvania Department of Transportation benchmark).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since December 1933 by Pymatuning Reservoir (station 03100500) 13 mi upstream and by mills above station. 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	99	95	363	579	e85	271	132	215	353	284	101	89
2	83	253	351	592	e76	298	148	316	357	252	124	90
3	75	819	351	694	e75	249	353	283	312	281	268	88
4	75	476	361	1940	e74	214	1670	238	203	289	174	88
5	74	316	368	1360	e73	210	1210	251	184	210	130	86
6	72	314	445	866	e72	213	573	244	299	181	258	85
7	71	289	432	800	e72	211	408	228	269	168	622	84
8	74	287	399	732	e72	170	2940	221	207	157	347	85
9	98	327	460	696	e72	138	2760	211	176	145	192	86
10	91	320	548	693	e85	129	1210	218	159	101	150	91
11	87	316	664	769	235	126	680	216	171	95	131	101
12	81	311	559	741	334	198	509	206	587	88	125	101
13	98	310	515	691	314	219	385	196	583	83	115	99
14	131	307	1100	652	437	205	317	194	846	81	110	93
15	113	308	1420	633	541	181	271	178	411	87	105	96
16	99	309	854	567	380	189	240	168	411	83	102	138
17	94	306	658	466	325	418	241	162	828	88	100	123
18	96	304	586	550	272	282	231	134	918	94	100	106
19	92	302	546	367	247	218	207	803	903	82	99	97
20	91	314	533	366	219	193	213	666	720	76	96	93
21	89	318	555	e360	202	240	557	457	806	72	94	110
22	87	316	596	e350	282	274	468	399	917	70	92	110
23	92	311	622	e350	902	234	353	444	653	68	111	145
24	127	310	600	e360	1090	198	286	979	583	65	103	283
25	134	314	594	e400	913	190	279	724	570	62	103	226
26	117	450	587	e350	645	177	243	618	568	66	94	146
27	106	656	584	e290	452	157	220	573	620	93	92	119
28	98	496	580	e240	366	146	232	572	718	96	92	105
29	96	413	583	e190	285	155	227	561	591	95	91	109
30	97	383	583	e150	---	154	216	537	557	99	89	105
31	95	---	584	e120	---	144	---	521	---	99	89	---
TOTAL	2932	10550	17981	17914	9197	6401	17779	11733	15480	3810	4499	3377
MEAN	94.6	352	580	578	317	206	593	378	516	123	145	113
MAX	134	819	1420	1940	1090	418	2940	979	918	289	622	283
MIN	71	95	351	120	72	126	132	134	159	62	89	84
CFSM	.28	1.04	1.72	1.71	.94	.61	1.76	1.12	1.53	.36	.43	.33
IN.	.32	1.16	1.98	1.98	1.02	.71	1.96	1.30	1.71	.42	.50	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	291	534	817	675	669	665	556	420	332	248	200	251
MAX	1034	1627	1343	1242	1319	1212	1273	1119	1080	873	1005	717
(WY)	1991	1986	1991	1993	1990	1985	1994	1984	1989	1972	1980	1987
MIN	57.9	88.4	128	151	121	172	207	82.9	86.2	46.5	81.6	101
(WY)	1983	1999	1999	1977	1987	1969	1968	1987	1967	1968	1982	1999

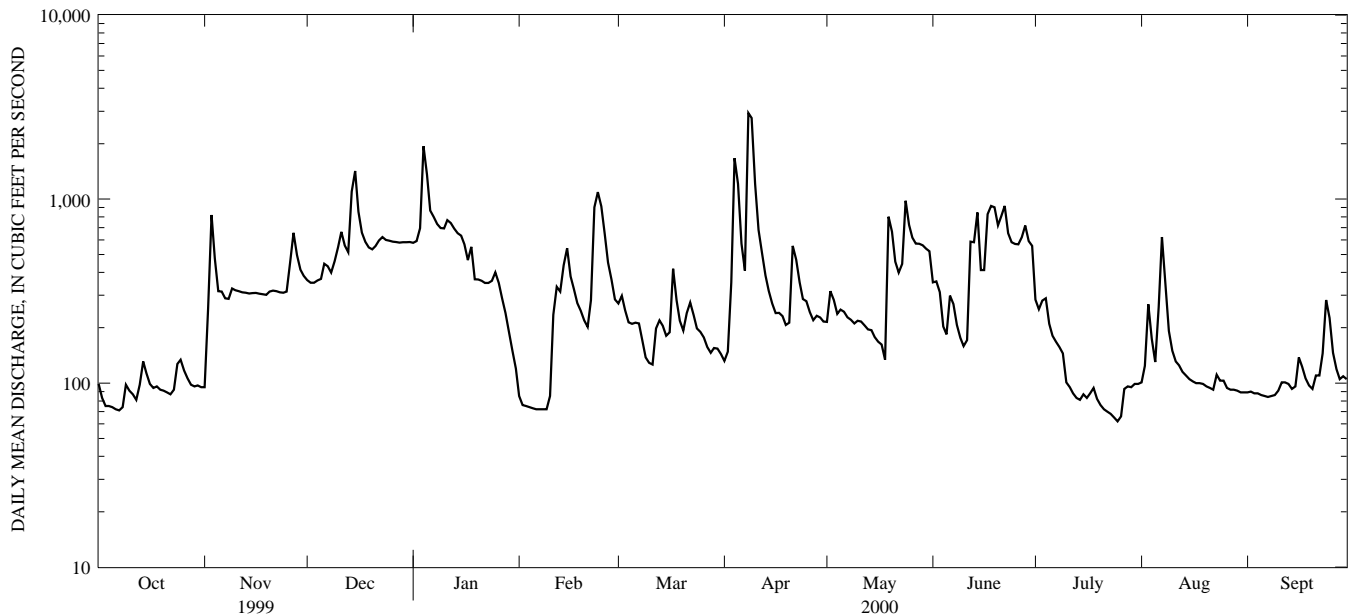
e Estimated.

BEAVER RIVER BASIN

03102850 SHENANGO RIVER NEAR TRANSFER, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	118158		121653		471	
ANNUAL MEAN	324		332		663	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	3930	Jan 24	2940	Apr 8	5120	Nov 5 1985
LOWEST DAILY MEAN	71	Oct 7	62	Jul 25	33	Jul 21 1968
ANNUAL SEVEN-DAY MINIMUM	75	Oct 2	68	Jul 20	39	Jul 17,22 1968
INSTANTANEOUS PEAK FLOW			a4270	Apr 8	a5390	Nov 5 1985
INSTANTANEOUS PEAK STAGE			8.03	Apr 8	10.47	Nov 5 1985
INSTANTANEOUS LOW FLOW					33	Jul 20-22 1968
ANNUAL RUNOFF (CFSM)	.96		.99		1.40	
ANNUAL RUNOFF (INCHES)	13.04		13.43		18.97	
10 PERCENT EXCEEDS	675		665		1000	
50 PERCENT EXCEEDS	157		236		290	
90 PERCENT EXCEEDS	95		87		99	

a From rating curve extended above 3,300 ft³/s.



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