



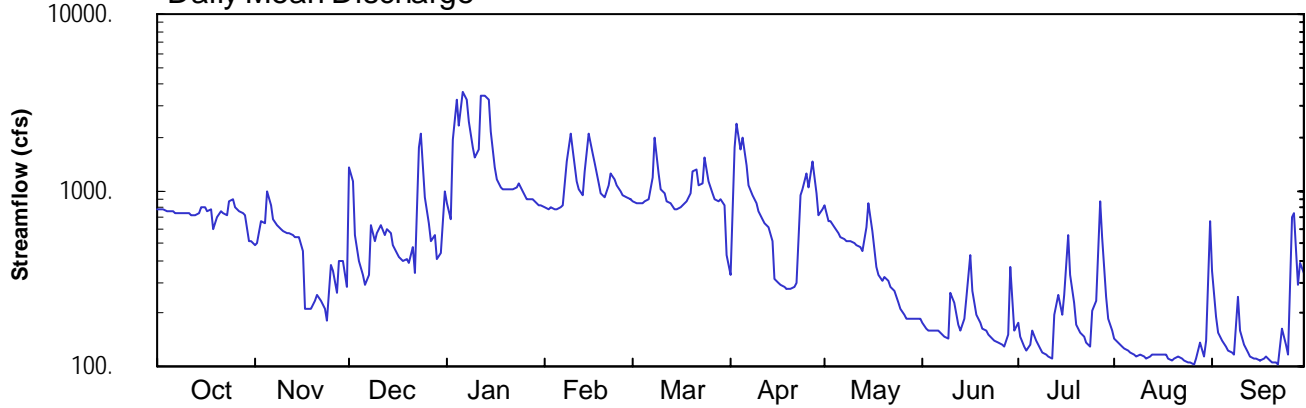
2005 Water Year
BEAVER RIVER BASIN
03102850 Shenango River near Transfer, PA

Latitude: 41° 21' 13"
Mercer County

Longitude: 080° 23' 53"
Datum: 913.94 feet

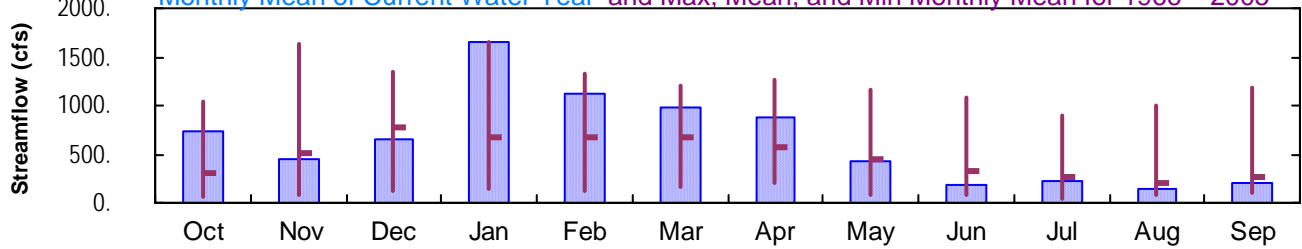
Hydrologic Unit Code: 05030102
Drainage Area: 337. mi²

Daily Mean Discharge

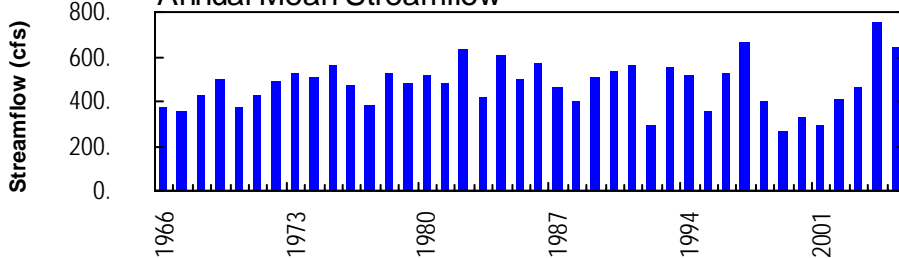


Monthly Statistics

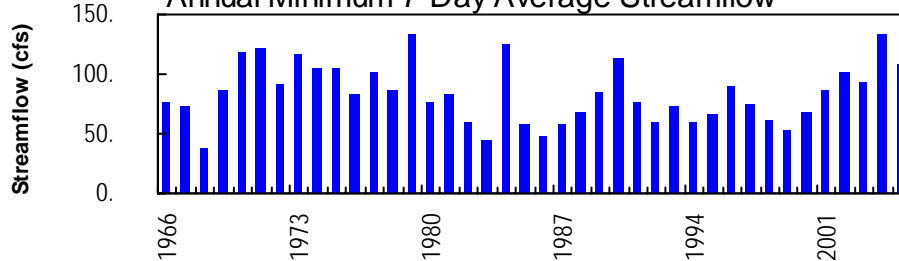
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1966 – 2005



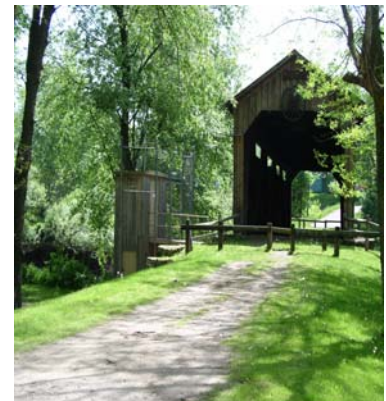
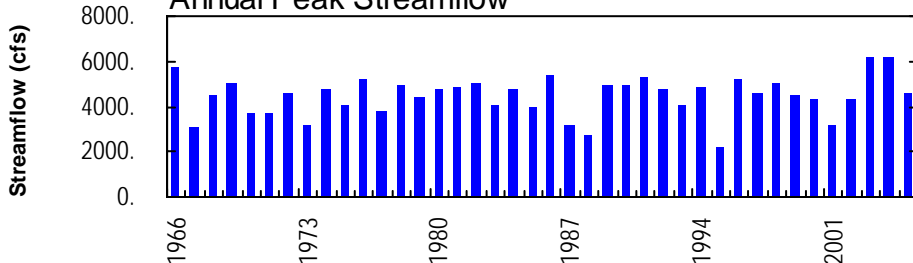
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 National Geodetic Vertical Datum of 1929 (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 at low flow by mills upstream of 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	771	494	1360	847	e799	e860	334	813	176	178	146	350
2	775	497	1120	677	e790	e851	1730	668	166	146	136	194
3	775	674	557	1920	e794	e837	2370	670	160	129	129	156
4	769	653	398	3310	e790	e837	1730	621	162	123	125	140
5	758	998	333	2330	e790	e860	1980	576	159	133	124	131
6	754	816	291	3600	e794	e878	1370	548	159	159	119	124
7	751	693	331	3280	e827	e1170	1060	530	151	139	116	119
8	e748	632	639	2470	e1460	2000	944	511	146	126	115	117
9	746	601	514	1740	2090	1240	834	514	143	120	116	246
10	743	579	567	1520	1690	1020	753	502	261	116	113	162
11	734	568	631	1690	1110	958	694	486	227	113	111	133
12	728	565	560	3430	1010	867	646	472	174	112	e113	120
13	728	562	599	3410	937	836	618	456	159	198	e115	115
14	741	549	575	3240	1290	784	515	612	186	257	e118	111
15	801	544	490	2140	2100	782	318	846	244	195	e115	110
16	798	451	437	1370	1620	798	301	585	426	252	e118	109
17	765	214	420	1150	1420	814	287	369	271	551	116	112
18	771	212	397	1030	1090	861	281	329	196	328	112	115
19	604	214	410	e1020	951	950	276	304	179	229	109	107
20	709	236	389	e1020	922	1290	273	321	165	175	110	105
21	766	254	479	e1000	1070	1310	281	309	158	155	114	104
22	743	236	342	e1000	1250	1060	297	281	151	148	110	102
23	726	214	1760	e1040	1160	1090	939	269	146	136	107	165
24	872	182	2120	e1090	1070	1530	1010	228	140	129	106	135
25	885	376	917	e982	991	1110	1250	213	136	208	105	117
26	794	353	643	e893	e948	966	1030	195	134	234	104	704
27	757	259	519	e879	e901	890	1470	185	130	871	110	738
28	743	398	557	e879	e878	873	967	185	153	541	137	289
29	724	399	413	e874	---	889	727	186	367	251	115	383
30	515	281	446	e832	---	827	783	185	161	185	141	343
31	513	---	978	e813	---	430	---	185	---	160	665	---
TOTAL	23007	13704	20192	51476	31542	30468	26068	13154	5586	6797	4190	5956
MEAN	742	457	651	1661	1126	983	869	424	186	219	135	199
MAX	885	998	2120	3600	2100	2000	2370	846	426	871	665	738
MIN	513	182	291	677	790	430	273	185	130	112	104	102
CFSM	2.20	1.36	1.93	4.93	3.34	2.92	2.58	1.26	0.55	0.65	0.40	0.59
IN.	2.54	1.51	2.23	5.68	3.48	3.36	2.88	1.45	0.62	0.75	0.46	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	302	518	784	678	666	669	579	444	337	260	211	271
MAX	1034	1627	1343	1661	1319	1212	1273	1162	1080	902	1005	1192
(WY)	1991	1986	1991	2005	1990	1985	1994	2002	1989	2003	1980	2004
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	252760		232140			
ANNUAL MEAN	691		636		476	
HIGHEST ANNUAL MEAN					755	
LOWEST ANNUAL MEAN					265	
HIGHEST DAILY MEAN	5480	Sep 9	3600	Jan 6	5560	Jul 22 2003
LOWEST DAILY MEAN	113	Sep 7	102	Sep 22	33	Jul 21 1968
ANNUAL SEVEN-DAY MINIMUM	133	Sep 1	108	Sep 16	39	Jul 17 1968
MAXIMUM PEAK FLOW			4590	Jan 6	^a 6580	Jul 22 2003
MAXIMUM PEAK STAGE			8.48	Jan 6	11.33	Jul 22 2003
INSTANTANEOUS LOW FLOW			100	Sep 22,23	33	Jul 20 1968
ANNUAL RUNOFF (CFSM)	2.05		1.89		1.41	
ANNUAL RUNOFF (INCHES)	27.90		25.62		19.18	
10 PERCENT EXCEEDS	1080		1240		1000	
50 PERCENT EXCEEDS	576		519		300	
90 PERCENT EXCEEDS	213		118		102	

a From rating curve extended above 4,800 ft³/s.

