

**YOUGHIOGHENY RIVER BASIN**

**03081000 YOUGHIOGHENY RIVER BELOW CONFLUENCE, PA**

**LOCATION.**--Lat 39°49'39", long 79°22'22", Fayette County, Hydrologic Unit 05020006, on left bank 1.0 mi downstream from Casselman River, 1.5 mi northwest of Confluence, at mile 72.0.

**DRAINAGE AREA.**--1,029 mi<sup>2</sup>.

**PERIOD OF RECORD.**--June 1940 to current year. Monthly discharge only for June 1940, published in WSP 1305.

**GAGE.**--Water-stage recorder. Datum of gage is 1,302.77 ft above sea level.

**REMARKS.**--No estimated daily discharges. Records good. Flow regulated since January 1925 by Deep Creek Reservoir (station 03076000) and since December 1942 by Youghiogheny River Lake (03077000) 1.7 mi upstream. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Mar. 17, or 18, 1936 reached a stage of 21.6 ft, from floodmarks, discharge, 85,000 ft<sup>3</sup>/s.

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	743	588	1090	785	3530	1190	2220	876	1520	835	1200	1020
2	1300	582	955	757	2400	1110	2250	824	3170	1030	1180	999
3	1560	574	785	867	1870	1060	2250	792	2590	976	1180	952
4	1530	572	842	977	1620	1060	2220	806	2250	938	1250	926
5	1500	568	1060	973	1470	1120	2120	881	1740	1070	1370	914
6	1340	577	976	988	1370	1010	2010	809	1940	1510	1300	898
7	1000	574	937	980	1300	972	3180	674	4900	1050	1160	896
8	818	574	959	974	1260	956	3150	644	5330	1330	1140	886
9	799	592	924	956	1940	972	3330	652	5190	1560	1180	892
10	673	821	827	909	7120	930	4280	643	5420	1320	1210	890
11	575	1250	903	910	4700	908	4980	658	5380	1710	1210	888
12	556	1050	1060	814	2890	966	5680	837	4090	1570	1220	878
13	587	909	1050	708	2360	4410	4840	810	2350	1500	1700	869
14	645	850	1120	707	2390	7290	4360	587	1960	1170	1530	866
15	529	812	1260	721	7000	5160	4030	581	1330	950	1370	884
16	533	761	1260	769	7120	4710	6490	592	1150	957	1340	871
17	564	735	3960	806	6510	6430	6330	596	1170	967	1270	863
18	1840	711	3420	796	4560	5760	5290	700	1020	975	1280	912
19	1700	686	2260	872	4110	4550	4470	1010	895	964	1270	943
20	1130	672	1770	1260	3660	3660	3690	1020	874	947	1280	969
21	938	650	1400	1170	3370	3660	3420	674	1100	906	1360	987
22	837	623	1340	1080	2960	5270	2830	718	1020	881	1320	922
23	711	610	1050	1000	2740	4130	1970	1180	1930	938	1330	898
24	719	651	1050	1030	2600	3780	1740	972	1960	980	1130	913
25	700	652	993	957	2440	3640	1580	896	1290	967	972	909
26	668	855	846	874	2800	2920	1370	1940	1050	970	937	846
27	510	1900	884	895	2100	2260	1200	1530	946	995	960	823
28	641	1780	879	848	1440	1810	1080	1520	889	1030	907	764
29	640	1210	831	832	---	1650	1010	1610	870	998	818	690
30	621	1200	849	2400	---	2250	940	1680	798	1090	947	739
31	601	---	813	6160	---	2390	---	1560	---	1240	962	---
TOTAL	27508	24589	38353	34775	89630	87984	94310	29272	66122	34324	37283	26707
MEAN	887	820	1237	1122	3201	2838	3144	944	2204	1107	1203	890
MAX	1840	1900	3960	6160	7120	7290	6490	1940	5420	1710	1700	1020
MIN	510	568	785	707	1260	908	940	581	798	835	818	690
(†)	-443	-162	+390	+21	+1240	+708	+113	+78	-80	-62	-772	-701

† Change in contents, equivalent in cubic feet per second, in Deep Creek Reservoir and Youghiogheny River Lake. Records of contents in Deep Creek Reservoir furnished by Reliant Energy. Records of contents in Youghiogheny River Lake furnished by U.S. Army Corps of Engineers.

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03081000 YOUGHIOGHENY RIVER BELOW CONFLUENCE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1179	1526	2323	2468	2883	3617	3070	2309	1512	1109	1079	1087
MAX	4699	5065	6171	5441	5204	7868	6984	5052	4137	2950	3565	3882
(WY)	1980	1986	1973	1974	1956	1963	1993	1996	1941	1985	1956	1971
MIN	287	433	246	496	903	778	1157	602	491	384	290	214
(WY)	1948	1954	1999	1981	1954	1990	1963	1982	1965	1942	1944	1946

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	633733		590857			
ANNUAL MEAN	1732	† +102	1619	† +20	2009	
HIGHEST ANNUAL MEAN					2910	1996
LOWEST ANNUAL MEAN					1074	1954
HIGHEST DAILY MEAN	16500	Feb 19	7290	Mar 14	34600	Oct 16 1954
LOWEST DAILY MEAN	371	Feb 9	510	Oct 27	121	Sep 27 1943
ANNUAL SEVEN-DAY MINIMUM	499	Feb 4	570	Oct 11	175	Sep 16 1946
MAXIMUM PEAK FLOW			8750	Feb 10	a69500	Oct 15 1954
MAXIMUM PEAK STAGE			6.98	Feb 10	19.92	Oct 15 1954
10 PERCENT EXCEEDS	3440		3670		4440	
50 PERCENT EXCEEDS	1180		1020		1260	
90 PERCENT EXCEEDS	622		673		609	

† Change in contents, equivalent in cubic feet per second, in Deep Creek Reservoir and Youghiogheny River Lake. Records of contents in Deep Creek Reservoir furnished by Reliant Energy. Records of contents in Youghiogheny River Lake furnished by U.S. Army Corps of Engineers.  
 a From rating curve extended above 25,000 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.

