

**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 National Geodetic Vertical Datum of 1929.

**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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	654	430	682	1190	578	3870	5410	1420	700	659	728
2	793	648	394	671	1010	586	3410	6210	1310	712	731	735
3	783	677	599	667	872	908	3110	7910	1160	699	782	687
4	816	744	762	675	820	1110	2850	6780	1120	687	777	516
5	837	705	516	679	922	817	2470	6240	1100	677	774	471
6	833	686	356	678	1040	849	2020	5560	1370	655	964	653
7	826	670	362	661	1080	771	1750	4810	2360	617	925	624
8	862	676	393	687	1020	699	1510	5900	1750	628	832	617
9	890	682	643	689	937	646	1370	7740	1280	630	791	612
10	882	668	629	603	943	622	1480	7080	960	669	774	622
11	899	650	463	1930	2260	552	1350	5110	891	665	829	596
12	904	645	409	1820	1710	521	1220	4500	847	723	891	591
13	901	640	432	1200	1320	519	1120	4790	1300	748	886	631
14	905	623	509	912	1060	511	1180	5560	2380	748	879	629
15	828	547	726	845	943	489	2130	5240	2250	720	862	633
16	760	490	659	754	886	696	2250	5190	2240	703	829	639
17	724	485	608	687	1010	908	2720	4230	1940	677	849	640
18	694	486	2030	635	1030	2530	2890	6980	1380	678	866	700
19	675	487	1810	567	956	3160	2360	7680	1000	680	886	689
20	658	491	1170	519	1010	8320	2000	7130	890	679	884	629
21	574	495	911	536	1160	8620	2150	6130	828	670	904	639
22	642	495	729	523	1040	4250	3890	4510	780	661	882	631
23	635	490	851	517	867	2780	4730	3210	740	662	881	629
24	634	485	1020	2540	769	2190	5150	2420	759	655	1210	644
25	635	685	956	4160	712	1760	4870	2120	767	658	1230	628
26	631	778	847	2200	691	2240	3840	1890	739	656	878	649
27	631	539	802	1550	708	5000	2300	1640	734	772	697	882
28	634	593	796	1240	626	3790	5680	1340	781	907	686	1160
29	647	519	801	1080	---	3340	7140	2020	730	778	683	699
30	652	457	713	1020	---	2930	5940	1740	708	706	716	699
31	658	---	663	1300	---	2680	---	1420	---	674	737	---
TOTAL	23272	17890	22989	33227	28592	65372	88750	148490	36514	21494	26174	19902
MEAN	751	596	742	1072	1021	2109	2958	4790	1217	693	844	663
MAX	905	778	2030	4160	2260	8620	7140	7910	2380	907	1230	1160
MIN	574	457	356	517	626	489	1120	1340	708	617	659	471
(†)	-630	-346	+188	+686	+476	+1096	+417	-296	-190	-272	-633	-489

† 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 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1172	1511	2297	2445	2853	3592	3068	2349	1508	1102	1075	1080
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1941 - 2002	
ANNUAL TOTAL	564558		532666		2000	
ANNUAL MEAN	1547	† +68	1459	† -2	1996	
HIGHEST ANNUAL MEAN					2910	1954
LOWEST ANNUAL MEAN					1074	1946
HIGHEST DAILY MEAN	7290	Mar 14	8620	Mar 21	34600	Oct 16 1954
LOWEST DAILY MEAN	356	Dec 6	356	Dec 6	121	Sep 27 1943
ANNUAL SEVEN-DAY MINIMUM	465	Dec 6	465	Dec 6	175	Sep 16 1946
MAXIMUM PEAK FLOW			13500	Mar 20	<sup>a</sup> 69500	Oct 15 1954
MAXIMUM PEAK STAGE			8.83	Mar 20	19.92	Oct 15 1954
10 PERCENT EXCEEDS	3660		3810		4440	
50 PERCENT EXCEEDS	969		796		1260	
90 PERCENT EXCEEDS	634		576		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.

