

**YOUGHIOGHENY RIVER BASIN**

**03082500 YOUGHIOGHENY RIVER AT CONNELLSVILLE, PA**

**LOCATION.**--Lat 40°01'03", long 79°35'38", Fayette County, Hydrologic Unit 05020006, on left bank at downstream side of Crawford Avenue bridge at Connellsville, 1.2 mi upstream from Mounts Creek, at mile 44.0.

**DRAINAGE AREA.**--1,326 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1908 to current year. Monthly discharge only for some periods, published in WSP 1305.

**REVISED RECORDS.**--WSP 743: Drainage area. WSP 1305: 1912 (M), 1914 (M), 1916-17 (M), 1918, 1922-25. WSP 1435: 1919-20. WSP 1725: 1916, 1932 (monthly, yearly summaries).

**GAGE.**--Water-stage recorder. Datum of gage is 860.13 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 15, 1928, nonrecording gage, and Aug. 15, 1928 to July 7, 1958, water-stage recorder at same site and datum. July 8, 1958 to Sept. 8, 1959, nonrecording gage at site 0.4 mi downstream at different datum.

**REMARKS.**--No estimated daily discharges. Records good. Flow regulated since January 1925 by Deep Creek Reservoir (station 03076000), since December 1942 by Youghiogheny River Lake (station 03077000) 29.4 mi upstream, and by several smaller reservoirs 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	884	675	745	858	2030	899	4520	7120	1890	788	683	756
2	839	670	626	848	1700	906	4240	6420	1720	823	678	748
3	826	916	533	832	1430	1230	3860	9230	1480	800	817	756
4	820	918	963	830	1320	1810	3510	7540	1380	774	805	632
5	881	825	890	856	1220	1420	3130	6800	1370	792	824	362
6	888	778	435	845	1430	1330	2690	6180	1850	733	943	546
7	879	741	428	806	1430	1250	2280	5430	2990	670	1070	610
8	877	729	451	833	1390	1140	2090	6710	2390	670	911	593
9	929	742	845	828	1250	1030	1850	10900	1860	682	837	584
10	916	730	992	911	1230	969	1950	9490	1280	799	800	581
11	921	701	739	2890	3050	888	1820	6590	1150	761	791	599
12	948	687	589	3390	2880	797	1640	5510	1100	710	934	524
13	950	678	536	2220	2230	788	1480	6350	1790	822	929	592
14	969	659	662	1630	1810	768	1520	7560	3430	851	925	604
15	1040	630	868	1400	1520	728	2550	6900	3160	819	915	629
16	854	473	970	1270	1410	1080	3040	6040	3120	740	856	646
17	818	468	856	1120	1390	1770	3160	5710	2630	726	866	636
18	762	461	3350	1010	1500	4280	3440	8900	2110	714	906	635
19	723	470	3340	919	1350	4980	3080	9980	1400	846	951	756
20	688	528	2160	827	1350	11100	2530	8340	1210	765	967	619
21	622	534	1590	777	1800	13900	2680	7280	1080	730	965	625
22	622	506	1240	781	1760	6670	4520	5540	991	700	949	623
23	654	493	1090	747	1460	4400	5250	4130	929	714	962	615
24	661	477	1420	2350	1280	3450	5760	3180	870	710	1520	611
25	663	763	1340	6130	1170	2800	5330	2730	913	688	1570	610
26	652	1390	1180	3660	1140	4260	4740	2480	873	711	1150	626
27	656	895	1080	2580	1150	8440	2970	2130	863	849	780	914
28	671	1080	1030	2070	1050	5670	6410	1950	1260	1020	709	1530
29	663	885	1050	1740	---	4660	10200	2460	982	928	719	877
30	693	769	907	1620	---	3970	7090	2390	892	781	710	740
31	672	---	836	2070	---	3490	---	1900	---	719	775	---
TOTAL	24641	21271	33741	49648	43730	100873	109330	183870	48963	23835	28217	20179
MEAN	795	709	1088	1602	1562	3254	3644	5931	1632	769	910	673
MAX	1040	1390	3350	6130	3050	13900	10200	10900	3430	1020	1570	1530
MIN	622	461	428	747	1050	728	1480	1900	863	670	678	362
(†)	-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.

YOUGHIOGHENY RIVER BASIN

03082500 YOUGHIOGHENY RIVER AT CONNELLSVILLE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1413	1906	2928	3259	3819	4860	4153	3097	1887	1322	1272	1190
MAX (WY)	5938	7518	8050	9737	7916	11370	8463	7142	5805	4143	4772	5400
MIN (WY)	1955	1986	1973	1937	1939	1936	1993	1996	1941	1985	1956	1971
MIN (WY)	139	84.5	295	465	630	1189	1321	662	504	279	155	146
(WY)	1931	1931	1999	1925	1934	1990	1925	1926	1925	1930	1930	1925

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1925 - 2002	
ANNUAL TOTAL	693779		688298			
ANNUAL MEAN	1901	† +68	1886	† -2	2586	
HIGHEST ANNUAL MEAN					3944	1996
LOWEST ANNUAL MEAN					1223	1925
HIGHEST DAILY MEAN	9210	Mar 14	13900	Mar 21	58100	Mar 18 1936
LOWEST DAILY MEAN	428	Dec 7	362	Sep 5	39	Nov 16 1930
ANNUAL SEVEN-DAY MINIMUM	491	Nov 16	491	Nov 16	62	Nov 14 1930
MAXIMUM PEAK FLOW			21000	Mar 20	a103000	Oct 16 1954
MAXIMUM PEAK STAGE			10.48	Mar 20	21.96	Oct 16 1954
10 PERCENT EXCEEDS	4670		4690		5790	
50 PERCENT EXCEEDS	1190		950		1600	
90 PERCENT EXCEEDS	688		630		600	

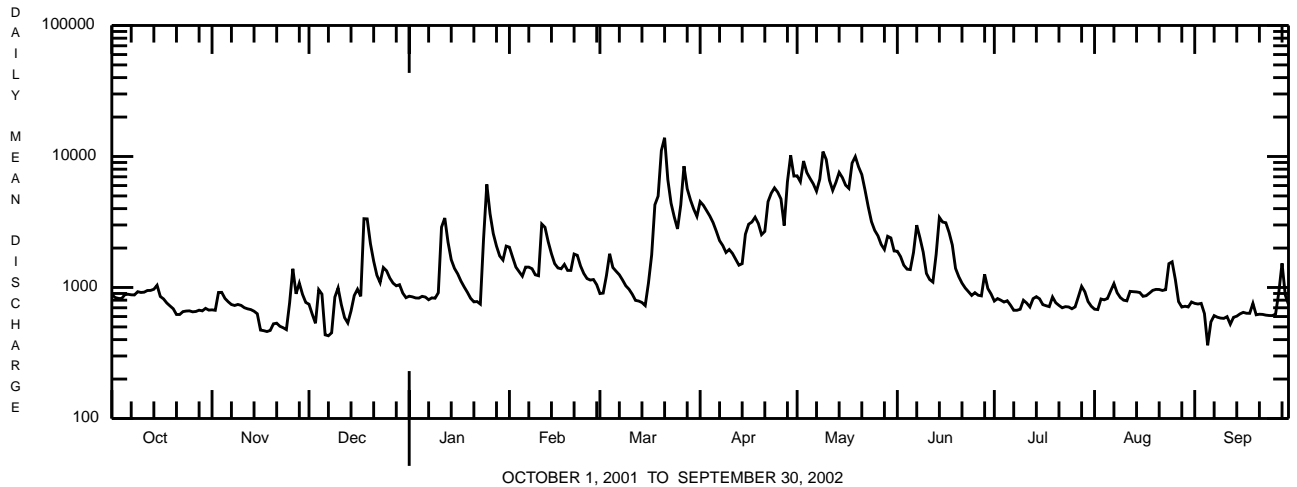
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 1924, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1126	1653	2574	4697	4098	5490	3830	2696	2379	1110	764	1100
MAX (WY)	5117	4937	5795	8679	9354	9777	6572	6675	5224	5102	1904	5158
MIN (WY)	1912	1914	1922	1913	1918	1912	1914	1924	1910	1912	1912	1911
MIN (WY)	36.4	68.4	342	503	1589	1913	1335	1125	938	221	99.5	132
(WY)	1909	1909	1909	1918	1924	1915	1921	1911	1922	1918	1910	1922

SUMMARY STATISTICS WATER YEARS 1909 - 1924

ANNUAL MEAN	2620
HIGHEST ANNUAL MEAN	3976
LOWEST ANNUAL MEAN	1879
HIGHEST DAILY MEAN	59200
LOWEST DAILY MEAN	11
ANNUAL SEVEN-DAY MINIMUM	14
MAXIMUM PEAK FLOW	b65900
MAXIMUM PEAK STAGE	c20.5
INSTANTANEOUS LOW FLOW	11
ANNUAL RUNOFF (CFSM)	1.98
ANNUAL RUNOFF (INCHES)	26.84
10 PERCENT EXCEEDS	6200
50 PERCENT EXCEEDS	1370
90 PERCENT EXCEEDS	195

- † 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 55,000 ft<sup>3</sup>/s.
- b Estimated from hydrograph.
- c From graph based on gage readings.
- d Also Sept. 26, 27, 1908 and Oct. 18, 1910.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002