

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 Conneltsville, 1.2 mi upstream from Mounts Creek, at mile 44.0.

DRAINAGE AREA.--1,326 mi².

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 sea level. 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.--Records good except those for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	814	710	1810	e1100	5260	1630	2890	1200	1790	1000	1320	1190
2	1160	696	1550	e1050	3680	1450	2930	1100	3540	1260	1270	1120
3	1710	687	1320	e1000	2990	1400	2870	1040	3880	1190	1250	1040
4	1670	672	1120	e1100	2680	1430	2840	992	3130	1130	1630	1000
5	1630	662	1390	e1200	2260	1710	2710	1080	2510	1350	1460	983
6	1600	656	1340	e1250	2090	1520	2750	1050	2830	2320	1520	954
7	1290	669	1250	e1200	1980	1400	4140	874	5640	1540	1240	940
8	924	663	1240	e1150	1880	1350	4090	792	6330	1540	1240	932
9	893	679	1210	e1100	2580	1410	4350	800	5600	2100	1240	927
10	889	929	1090	e1050	7220	1360	5130	788	5610	1630	1330	931
11	675	1660	1110	e1050	6030	1310	5640	739	5510	2420	1480	925
12	641	1430	1410	e960	3960	1350	6690	889	4670	2030	1400	918
13	608	1220	1480	e950	3180	4920	5640	1060	3160	1860	1690	904
14	742	1130	1820	e940	3030	9210	5170	744	2560	1600	1800	923
15	605	1050	2150	e960	7030	6440	4770	654	1890	1160	1510	923
16	570	997	1980	e980	8280	5780	7030	680	1490	1100	1440	918
17	628	957	4310	e1000	8400	8250	7380	676	1620	1120	1360	900
18	2650	917	4850	e1050	5700	7600	6400	690	1350	1130	1370	904
19	2640	881	3250	e1100	4930	5920	5630	1180	1150	1110	1350	971
20	1670	852	2610	e1200	4310	4850	4670	1270	1110	1070	1340	1070
21	1280	830	2100	e1400	3960	4440	4300	898	1600	1020	1420	1140
22	1110	783	e1700	e1200	3530	5940	3900	870	1390	977	1400	1010
23	993	745	e1400	e1300	3240	5040	2720	1390	2130	973	1430	955
24	907	786	e1300	e1250	3080	4680	2440	1350	2840	1070	1370	1020
25	903	820	e1200	e1200	2960	4670	2310	1190	1820	1050	1040	1370
26	871	1110	e1100	e1100	3090	4010	2030	2080	1400	1070	997	1050
27	676	2100	e1050	e1050	2810	3210	1700	1940	1200	1080	1010	958
28	823	2540	e1100	e1000	2030	2660	1480	1930	1080	1110	1040	895
29	798	1900	e1100	e1000	---	2360	1370	1900	1070	1090	897	777
30	764	2020	e1100	e3000	---	2710	1270	2050	952	1100	1030	726
31	745	---	e1100	8250	---	3240	---	1880	---	1330	1020	---
TOTAL	33879	31751	52540	43140	112170	113250	117240	35776	80852	41530	40894	29274
MEAN	1093	1058	1695	1392	4006	3653	3908	1154	2695	1340	1319	976
MAX	2650	2540	4850	8250	8400	9210	7380	2080	6330	2420	1800	1370
MIN	570	656	1050	940	1880	1310	1270	654	952	973	897	726
(†)	-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.
e Estimated.

YOUGHIOGHENY RIVER BASIN

03082500 YOUGHIOGHENY RIVER AT CONNELLSVILLE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1421	1921	2951	3281	3848	4880	4159	3060	1890	1329	1276	1197
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1925 - 2001	
ANNUAL TOTAL	809033		732296			
ANNUAL MEAN	2210	† +102	2006	† +20	2595	
HIGHEST ANNUAL MEAN					3944	1996
LOWEST ANNUAL MEAN					1223	1925
HIGHEST DAILY MEAN	24700	Feb 19	9210	Mar 14	58100	Mar 18 1936
LOWEST DAILY MEAN	e420	Feb 9	570	Oct 16	39	Nov 16 1930
ANNUAL SEVEN-DAY MINIMUM	a546	Feb 4	638	Oct 11	62	Nov 14 1930
MAXIMUM PEAK FLOW			10600	Mar 14	b103000	Oct 16 1954
MAXIMUM PEAK STAGE			7.93	Mar 14	21.96	Oct 16 1954
10 PERCENT EXCEEDS	4580		4670		5800	
50 PERCENT EXCEEDS	1440		1320		1620	
90 PERCENT EXCEEDS	745		822		599	

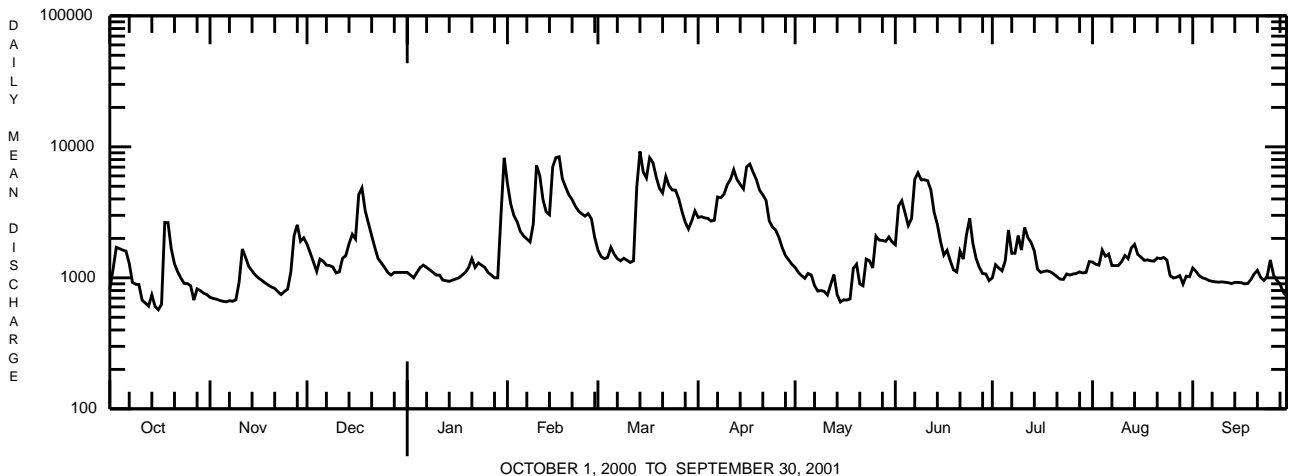
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 1924, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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	c65900
MAXIMUM PEAK STAGE	d20.5
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 Computed using estimated daily discharges.
- b From rating curve extended above 55,000 ft³/s.
- c Estimated from hydrograph.
- d From graph based on gage readings.
- e Estimated.
- f Also Sept. 26, 27, 1908 and Oct. 18, 1910.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001