

OHIO RIVER MAIN STEM

03031500 ALLEGHENY RIVER AT PARKER, PA

LOCATION.--Lat 41°06'02", long 79°40'53", Armstrong County, Hydrologic Unit 05010006, on right bank 500 ft downstream from bridge on State Highway 368 at Parker, 1.1 mi downstream from Clarion River, at mile 83.4.

DRAINAGE AREA.--7,671 mi².

PERIOD OF RECORD.--October 1932 to current year. Prior to October 1963, published as "*at Parkers Landing.*" Gage height records collected at same site since 1885 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 845.14 ft above sea level. Prior to Oct. 1, 1932, U.S. Weather Bureau gages at different datums. Oct. 1-28, 1932, nonrecording gage at datum 27.00 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since 1924 by Piney Reservoir, since December 1940 by Tionesta Lake, since November 1949 by Chautauqua Lake (station 03013946), since June 1952 by East Branch Clarion River Lake (station 03027000), since October 1965 by Allegheny Reservoir (station 03012520), since July 1970 by Union City Reservoir (station 03021518), and since January 1974 by Woodcock Creek Lake (station 03022550). 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, 1865 reached a stage of 29.4 ft, present datum, discharge, about 250,000 ft³/s, from rating curve extended above 137,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6020	2590	10100	7220	e5300	39300	6310	8700	8830	7210	5910	2760
2	4180	3660	9670	6240	e5200	38400	5850	8920	9650	6360	6440	2650
3	2420	13700	10500	7280	e5000	36500	8870	9570	9510	5380	10600	2760
4	2660	20000	10600	27700	e4800	30000	34700	9590	8080	5250	14900	2930
5	2450	17900	11900	38700	e4700	23900	43100	9410	7210	5950	14600	3100
6	2980	15500	13000	36600	e4600	20100	33400	9020	6600	4950	11300	2790
7	3340	13100	15700	34500	e4500	13200	30700	8240	8940	4470	16300	2870
8	2790	11100	14600	32000	e4400	12000	41200	7560	8480	3680	14000	3070
9	2960	9580	13700	25000	e4200	10300	59800	6610	7350	2990	11500	3430
10	3060	8210	11600	22000	e4400	9740	48700	6680	6420	3200	10500	4040
11	3120	6990	13300	20000	e4900	9950	44600	7860	5820	4520	8820	3340
12	2820	6220	15200	19700	e5600	7890	39500	7810	5920	4640	8200	3830
13	3090	6110	15100	18900	e6300	9350	33300	8960	8950	4310	7530	3960
14	3440	5900	17200	18900	e8200	8170	27700	8830	15000	3770	6780	4040
15	3740	5220	27000	16000	e12000	8010	24300	8590	13900	3270	6540	4300
16	4020	4890	24400	13400	e13500	8790	21800	7770	17200	3120	6280	3810
17	3940	4640	24600	9760	e14000	10400	20400	8040	20300	3610	5300	4620
18	4000	4490	21900	9400	e13000	11800	18000	7050	17500	3910	4440	4630
19	3630	4340	20700	10400	e12500	11000	15600	14100	18300	3780	4270	4650
20	3610	3850	17900	9730	e11500	10800	13800	32300	20100	3040	4430	3770
21	3040	3710	19400	9900	e11000	10500	15100	27700	17100	3540	4080	4330
22	2790	3870	18200	e7000	e10300	10700	22800	25400	18800	3270	4020	3660
23	2960	4160	15600	e6800	e9600	10400	26800	26000	15400	2600	3860	4380
24	2730	4280	13200	e6600	e17000	9610	26300	29300	13500	2970	3630	7420
25	3290	4230	10700	e6400	32400	7990	25800	27000	11100	4000	4060	5970
26	4960	5100	10300	e6200	46100	7740	23600	24300	10500	2920	3160	6050
27	4750	13300	10100	e6000	44200	8110	20600	21500	11500	3180	2890	5560
28	4420	15600	9570	e5800	45000	7790	18600	17600	12000	3600	3100	4590
29	3840	13000	8200	e5700	42700	8230	15300	15700	9980	3530	3300	4330
30	3250	11000	7660	e5600	---	7470	11500	13900	8560	3620	2650	3940
31	2670	---	6970	e5400	---	6770	---	11500	---	4240	3280	---
TOTAL	106970	246240	448570	454830	406900	424910	778030	435510	352500	124880	216670	121580
MEAN	3451	8208	14470	14670	14030	13710	25930	14050	11750	4028	6989	4053
MAX	6020	20000	27000	38700	46100	39300	59800	32300	20300	7210	16300	7420
MIN	2420	2590	6970	5400	4200	6770	5850	6610	5820	2600	2650	2650
CFSM	.45	1.07	1.89	1.91	1.83	1.79	3.38	1.83	1.53	.53	.91	.53
IN.	.52	1.19	2.18	2.21	1.97	2.06	3.77	2.11	1.71	.61	1.05	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2000, BY WATER YEAR (WY)

MEAN	6995	12450	17020	17810	17820	26600	24880	15460	9884	6079	4517	4966
MAX	28650	33760	38040	53560	40460	63020	58110	36220	35340	26090	16890	21370
(WY)	1991	1986	1978	1937	1976	1936	1940	1943	1989	1972	1994	1977
MIN	802	1655	1332	2111	3788	7746	5651	3610	1508	1069	1034	950
(WY)	1964	1961	1961	1961	1934	1969	1946	1934	1934	1934	1934	1936

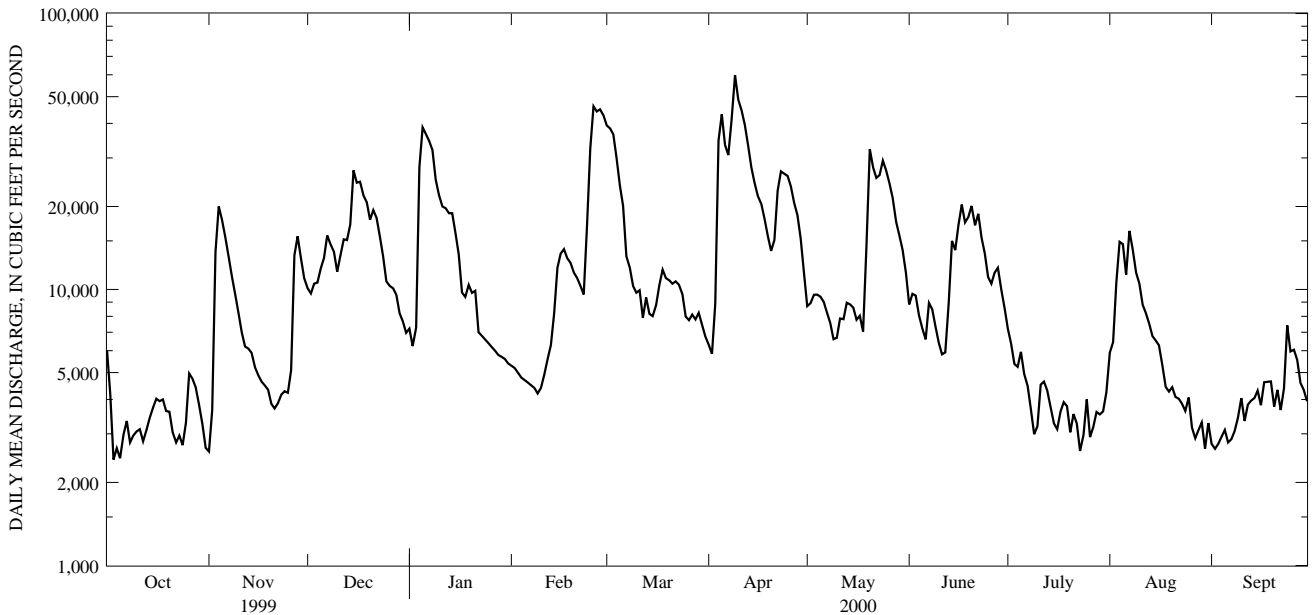
e Estimated.

OHIO RIVER MAIN STEM

03031500 ALLEGHENY RIVER AT PARKER, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1933 - 2000	
ANNUAL TOTAL	3683410		4117590			
ANNUAL MEAN	10090		11250		13680	
HIGHEST ANNUAL MEAN					19640	
LOWEST ANNUAL MEAN					8175	
HIGHEST DAILY MEAN	71200	Jan 24	59800	Apr 9	160000	Jan 22 1959
LOWEST DAILY MEAN	2280	Jun 20	2420	Oct 3	454	Jul 28 1934
ANNUAL SEVEN-DAY MINIMUM	2590	Jun 17	2800	Oct 3	508	Jul 25 1934
INSTANTANEOUS PEAK FLOW			61900	Apr 9	ab 175000	Jan 22 1959
INSTANTANEOUS PEAK STAGE			12.12	Apr 9	c 29.60	Jan 21 1959
INSTANTANEOUS LOW FLOW			2260	Oct 5	409	Jul 30 1934
ANNUAL RUNOFF (CFSM)	1.32		1.47		1.78	
ANNUAL RUNOFF (INCHES)	17.86		19.97		24.24	
10 PERCENT EXCEEDS	23700		24700		31900	
50 PERCENT EXCEEDS	5220		8100		8850	
90 PERCENT EXCEEDS	2710		3240		2130	

- a About.
- b From rating curve extended above 137,000 ft³/s.
- c Backwater from ice.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000