

## 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 mi<sup>2</sup>.

**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 1965 by Allegheny Reservoir (station 03012520), since 1949 by Chautauqua Lake (station 03013946), since 1941 by Tionesta Lake, since 1971 by Union City Reservoir (station 03021518), since 1974 by Woodcock Creek Lake (station 03022550), since 1952 by East Branch Clarion River Lake (station 03027000), and since 1924 by Piney Reservoir. 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, 250,000 ft<sup>3</sup>/s, from rating curve extended above 137,000 ft<sup>3</sup>/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3140	2940	3050	e2850	30500	13400	14000	11200	5980	3310	3730	2640
2	2980	3590	3510	e2600	32200	14400	16100	10200	5300	4190	3190	2720
3	3090	3830	3480	e2300	36900	14000	19100	9290	5140	4170	2810	2930
4	3040	3840	3310	e2600	36400	24400	21000	7750	4890	3420	2970	3020
5	2930	3490	3340	e3100	35800	23400	25100	6720	4530	2760	2910	2680
6	3450	3320	3180	e3400	33900	20000	24400	6190	3980	2560	2930	2700
7	2950	3300	3060	e3300	31200	18300	23400	5530	3880	2500	2870	2930
8	4840	3540	3020	e3200	30300	e13500	20500	6060	3860	3530	2640	3100
9	6120	3660	3050	e3000	26600	e12000	21200	7670	3210	3470	2700	3080
10	6050	3820	3240	e2850	25700	e11000	33200	8420	3040	3870	2950	2910
11	4850	4260	2990	e2900	22800	e9200	32500	9260	2630	3440	2770	2770
12	4390	4060	2830	e3000	20700	e9200	36100	9530	3040	3020	2930	2580
13	4410	3890	2810	e3100	23900	e8200	34100	9600	2680	3250	2690	2720
14	3890	3650	2830	e3200	24300	e7800	32200	8240	2990	3080	3320	2530
15	3460	3110	2760	e3300	22100	e7200	27000	8660	3340	2570	3370	2940
16	3460	2720	2850	e3500	21400	e6600	22100	8680	3120	2840	3250	2660
17	3150	2630	2940	e3800	19100	e6400	21400	8390	2650	2880	3010	2910
18	3050	2710	3000	e4000	18000	e10500	20900	8730	2640	2830	2710	3050
19	3760	3350	3420	e4300	18900	20100	23100	10000	2560	3100	2330	2590
20	3370	3490	3090	e4800	17000	19500	24900	7470	2280	3410	2470	2690
21	3520	3530	3240	e8200	15400	17600	23600	6840	2510	3080	2540	2830
22	3300	3530	8190	e14000	12600	15800	22800	6920	2630	3770	3380	2660
23	3360	3500	16400	27200	11700	17000	23500	5400	2860	3340	3710	2910
24	3180	3320	11700	71200	10700	15600	27000	6640	2770	3910	3420	2780
25	2530	3150	9010	62100	9940	15000	24800	11500	2790	3500	3570	2950
26	2490	3270	6870	43600	9170	15500	22800	13200	3610	3250	4600	2920
27	2660	3160	5370	36300	8150	13500	20700	12500	2730	3070	5360	3000
28	3040	3110	e4500	35300	9150	13500	18000	11500	2910	3270	4220	3340
29	3210	3080	e4000	39500	---	13800	16000	8770	3090	3490	2940	3220
30	3170	3070	e3500	37800	---	13900	13900	8500	3670	3050	2660	4210
31	3150	---	e3100	33100	---	14200	---	7450	---	3180	2670	---
TOTAL	109990	101920	137640	473400	614510	434500	705400	266810	101310	101110	97620	86970
MEAN	3548	3397	4440	15270	21950	14020	23510	8607	3377	3262	3149	2899
MAX	6120	4260	16400	71200	36900	24400	36100	13200	5980	4190	5360	4210
MIN	2490	2630	2760	2300	8150	6400	13900	5400	2280	2500	2330	2530
CFSM	.46	.44	.58	1.99	2.86	1.83	3.07	1.12	.44	.43	.41	.38
IN.	.53	.49	.67	2.30	2.98	2.11	3.42	1.29	.49	.49	.47	.42

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 1999, BY WATER YEAR (WY)

MEAN	7048	12510	17060	17850	17880	26790	24870	15480	9857	6110	4480	4979
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

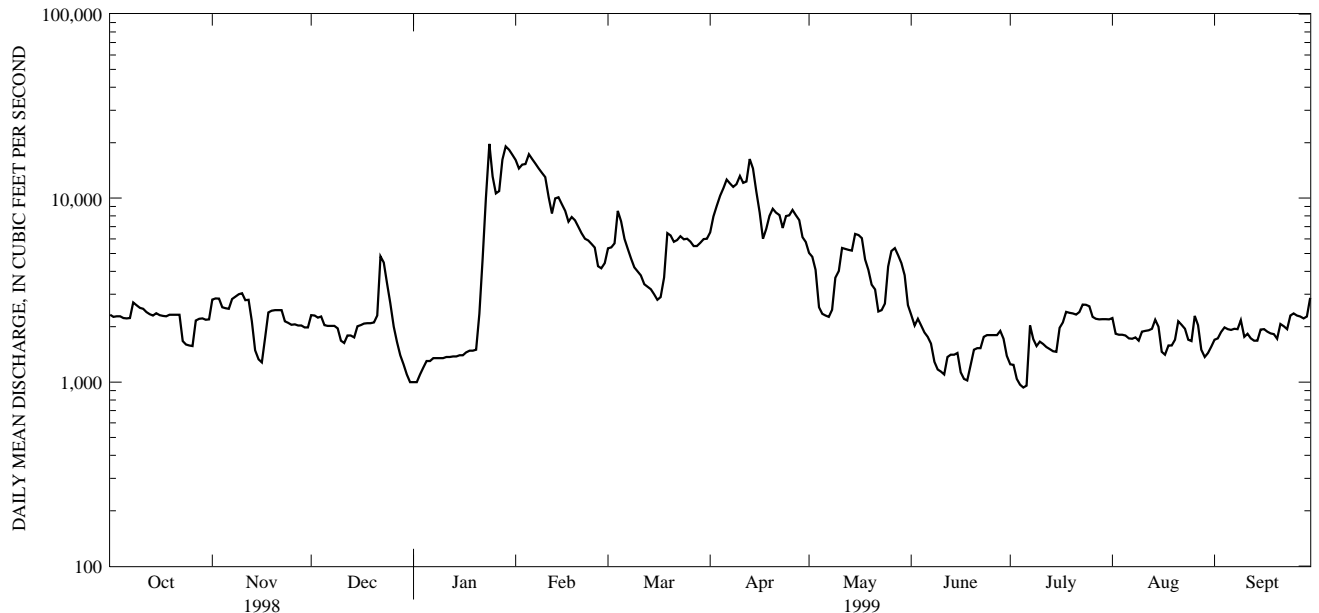
e Estimated.

OHIO RIVER MAIN STEM

03031500 ALLEGHENY RIVER AT PARKER, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1933 - 1999	
ANNUAL TOTAL	4087940		3231180		13720	
ANNUAL MEAN	11200		8853		19640	
HIGHEST ANNUAL MEAN					8175	
LOWEST ANNUAL MEAN					1934	
HIGHEST DAILY MEAN	98900	Jan 9	71200	Jan 24	160000	Jan 22 1959
LOWEST DAILY MEAN	2490	Oct 26	2280	Jun 20	454	Jul 28 1934
ANNUAL SEVEN-DAY MINIMUM	2860	Dec 11	2590	Jun 17	508	Jul 25 1934
INSTANTANEOUS PEAK FLOW			84000	Jan 24	ab175000	Jan 22 1959
INSTANTANEOUS PEAK STAGE			14.88	Jan 24	c29.60	Jan 21 1959
INSTANTANEOUS LOW FLOW			2100	Jul 7	409	Jul 30 1934
ANNUAL RUNOFF (CFSM)	1.46		1.15		1.79	
ANNUAL RUNOFF (INCHES)	19.82		15.67		24.30	
10 PERCENT EXCEEDS	26600		23400		32000	
50 PERCENT EXCEEDS	4370		3540		8860	
90 PERCENT EXCEEDS	3040		2710		2100	

- a About.
- b From rating curve extended above 137,000 ft<sup>3</sup>/s.
- c Backwater from ice.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999