

## 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 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 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 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3750	4210	18400	e6900	e10800	12000	17100	10400	8090	3620	3530	4660
2	4010	4190	17700	e6400	e9800	10200	16100	9530	7820	4110	3750	3930
3	3670	4310	16600	e6000	e9000	9200	14200	8200	11100	3950	3570	3650
4	3890	4420	14100	e5800	e8200	8040	13600	7250	10300	3740	3590	3420
5	4320	4360	13400	e5800	e7600	8410	14100	6210	9860	3680	4150	3440
6	6680	4260	12300	e5600	e7300	7680	14200	5120	8530	3330	4410	3310
7	11500	4290	11700	e5500	e7300	7690	15700	5340	7920	3270	3970	3010
8	13200	4280	10700	e5400	e7500	7080	17000	5110	7400	3430	3590	3380
9	13800	4310	10100	e5200	e10000	7280	18800	5120	5850	3500	3700	3200
10	16200	4650	9310	e5100	30200	7780	26000	5150	4700	3250	3480	3170
11	18300	5520	9040	e5100	40600	6720	29700	4740	4280	2970	3210	2940
12	17700	5790	11100	e5100	36000	6530	29300	5280	4470	3140	3250	3090
13	16600	6090	16100	e5100	33600	7670	28300	7860	4360	3100	3110	3390
14	13500	5840	15700	e5000	32500	15900	26000	8150	3990	3120	3080	3910
15	8270	5420	14300	e5100	41500	19700	24600	8900	3600	3140	2940	3520
16	8580	5240	13500	e5200	43900	18200	31300	7710	3400	3000	2990	3310
17	6880	4900	28700	e5600	40100	17400	33700	6690	3090	3470	3380	3270
18	5730	4880	41300	e5400	34900	18200	30400	6200	3740	3430	3290	3310
19	5460	4990	34400	e5200	28900	16700	26500	4830	3890	3320	3110	3360
20	5440	5290	33500	e5000	23500	14700	22400	4330	3370	3340	3170	3780
21	4420	5380	30000	e4800	20700	15800	20700	4110	3650	3720	3260	4250
22	4600	5330	26900	e4600	18700	25600	22000	4750	5540	3500	3460	3650
23	4540	5010	22000	e4400	15700	27900	23600	7500	10400	4040	3560	3230
24	4190	4740	18300	e4300	12000	24900	23700	9570	8690	3730	3350	3280
25	4130	4860	14400	e4200	11500	22600	22900	9910	8140	3410	3550	3700
26	4360	5370	11800	e4100	12100	20500	21300	12200	6780	3750	3360	3680
27	4500	8650	e10000	e4000	14000	18800	18200	12000	5280	3850	4240	3670
28	4710	14600	e9600	e4000	13200	16100	15100	11000	4280	3900	4250	3690
29	4640	16000	e9000	e4400	---	14700	13100	10300	3580	3450	3810	3510
30	4420	16300	e8200	e5600	---	13700	11300	9720	3460	3310	3830	3510
31	4340	---	e7400	e7600	---	15400	---	8880	---	3270	4050	---
TOTAL	236330	183480	519550	161500	581100	443080	640900	232060	179560	107840	109990	105220
MEAN	7624	6116	16760	5210	20750	14290	21360	7486	5985	3479	3548	3507
MAX	18300	16300	41300	7600	43900	27900	33700	12200	11100	4110	4410	4660
MIN	3670	4190	7400	4000	7300	6530	11300	4110	3090	2970	2940	2940
CFSM	.99	.80	2.18	.68	2.71	1.86	2.78	.98	.78	.45	.46	.46
IN.	1.15	.89	2.52	.78	2.82	2.15	3.11	1.13	.87	.52	.53	.51

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY)

MEAN	7004	12350	17020	17630	17860	26420	24830	15350	9828	6041	4503	4945
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.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1933 - 2001	
ANNUAL TOTAL	4255170		3500610			
ANNUAL MEAN	11630		9591		13620	
HIGHEST ANNUAL MEAN					19640	1956
LOWEST ANNUAL MEAN					8175	1934
HIGHEST DAILY MEAN	59800	Apr 9	43900	Feb 16	160000	Jan 22 1959
LOWEST DAILY MEAN	2600	Jul 23	2940	Aug 15 <sup>a</sup>	454	Jul 28 1934
ANNUAL SEVEN-DAY MINIMUM	2840	Sep 1	3100	Jul 10	508	Jul 25 1934
MAXIMUM PEAK FLOW			45500	Feb 16	bc175000	Jan 22 1959
MAXIMUM PEAK STAGE			d10.06	Feb 16	f29.60	Jan 21 1959
INSTANTANEOUS LOW FLOW			2840	Jul 13	409	Jul 30 1934
ANNUAL RUNOFF (CFSM)	1.52		1.25		1.78	
ANNUAL RUNOFF (INCHES)	20.64		16.98		24.13	
10 PERCENT EXCEEDS	26400		22000		31700	
50 PERCENT EXCEEDS	8200		5540		8800	
90 PERCENT EXCEEDS	3760		3360		2160	

- a Also Sept. 11.
- b About.
- c From rating curve extended above 137,000 ft<sup>3</sup>/s.
- d Maximum gage height, 13.15 ft., Jan. 4 (backwater from ice).
- f Backwater from ice.

