OHIO RIVER MAIN STEM

03025500 ALLEGHENY RIVER AT FRANKLIN, PA

LOCATION.--Lat 41°23'22", long 79°49'14", Venango County, Hydrologic Unit 05010003, on right bank at upstream side of Eighth Street bridge on U.S. Highway 322 at Franklin, 1,000 ft downstream from French Creek, at mile 124.4.

DRAINAGE AREA.--5,982 mi^2.

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at same site since April 1905 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 743: Drainage area. WSP 783: 1913 (M). WSP 1003: 1920 (M). WSP 1305: 1926 (M), 1928-29 (M). WSP 1385: 1920, 1932.

GAGE.--Water-stage recorder. Datum of gage is 955.84 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 16, 1932, nonrecording gage, and Sept. 16-30, 1932, water-stage recorder, at present site at datum 2.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since December 1940 by Tionesta Lake, since November 1949 by Chautauqua Lake (station 03013946), 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 25.0 ft, and that of Mar. 26, 1913 a stage of 24.6 ft, from graph based on gage readings, discharges about, 200,000 ft^3/s and 190,000 ft^3/s, respectively, from rating curve extended above 111,000 ft^3/s. Maximum discharge since at least 1864 is that of Mar. 17, 1865.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3020	2830	8140	18600	e4510	e10500	20100	4490	12200	3480	24800	5400
2	2590	3220	8350	24100	e4790	e9770	17700	4840	12400	3170	21400	11200
3	2380	4110	7700	21300	e5510	e9260	16100	5770	13100	3110	17800	14200
4	2160	4410	7000	21700	e7660	e9060	14100	6360	12400	2990	16500	11700
5	2210	4580	6490	21800	e10400	e9380	31100	5870	11600	3030	17700	9760
6	2280	5360	6160	20200	e13400	e9380	33400	6310	9820	3250	19500	8310
7	2180	6450	6020	18200	e12400	e9380	30300	8010	9080	3380	14500	7710
8	2510	6940	5850	17200	e11400	e9760	25200	8080	8980	3290	15900	7860
9	2590	6830	5640	16300	e10300	e11100	28800	8320	10400	2970	13800	8420
10	2630	6540	5530	14000	e9710	e12700	30800	9530	11100	3330	18900	7810
11	2580	8350	5790	12200	e8450	e12300	30100	9260	10900	4770	20000	7340
12	3410	10200	6750	11100	e7630	e11200	30300	9290	14200	4310	20800	6790
13	2630	9920	9760	e9990	e7270	e9950	29300	12400	34500	4190	23700	5710
14	2570	8680	17100	e8640	e6910	e10400	25500	17800	29500	3900	23400	4440
15	2500	7450	22700	e7550	e6730	e12100	20300	20800	26800	3570	21200	6400
16	2660	6760	21000	e6550	e6460	e15000	14900	17200	23500	3320	15700	6640
17	3000	6840	20500	e5740	e6370	e22000	12000	17600	20300	4090	11800	6130
18	2770	9200	18000	e5290	e6090	e33200	9790	17000	18100	3520	10900	7890
19	2650	11300	16000	e5200	e6090	e35600	8760	15400	14600	5160	8510	7720
20	3100	12300	20900	e5020	e6180	e31600	8180	13100	12400	4490	6550	7980
21	4150	11900	26200	e4750	e6090	29700	8440	14100	9760	13800	5390	8210
22	4200	11500	22600	e4560	e5910	34200	10100	13000	8750	63100	4560	7030
23	3590	11800	21500	e4470	e7340	35800	10200	12900	8230	39400	4220	10800
24	3070	12400	20800	e4240	e8350	37400	9390	13100	6910	37600	4060	13200
25	2740	12100	19700	e4380	e9470	36100	8150	12900	6150	37700	3950	12700
26	3020	12000	18200	e4470	e10500	33600	7390	11500	5500	34600	6210	11500
27	3200	11500	16600	e4460	e11100	32100	6940	9550	4870	31500	5320	10900
28	3270	9370	14400	e4350	e11200	31200	6310	8560	4240	37700	4810	14100
29	3240	8310	12900	e4380	---	27600	5810	7290	3930	35000	4630	13300
30	3070	8030	11100	e4460	---	28100	5050	6530	3730	31700	5390	12900
31	2870	---	12000	e4460	---	25200	---	7740	---	29400	4770	---
TOTAL	88840	251180	421380	319660	228220	644640	514510	334600	377950	464820	396670	274050
MEAN	2866	8373	13590	10310	8151	20790	17150	10790	12600	14990	12800	9135
MAX	4200	12400	26200	24100	13400	37400	33400	20800	34500	63100	24800	14200
MIN	2160	2830	5530	4240	4510	9060	5050	4490	3730	2970	3950	4440
CFSM	0.48	1.40	2.27	1.72	1.36	3.48	2.87	1.80	2.11	2.51	2.14	1.53
IN.	0.55	1.56	2.62	1.99	1.42	4.01	3.20	2.08	2.35	2.89	2.47	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	5511	9903	13300	13750	13650	20750	19300	12150	7470	4527	3321	3593
MAX	22900	26030	33270	41420	32340	49850	49920	30070	24820	21440	13830	17730
(WY)	1991	1986	1928	1937	1976	1936	1940	1943	1989	1972	1977	1977
MIN	515	771	1125	1732	2929	6383	4203	2554	1106	555	414	435
(WY)	1931	1931	1961	1961	1963	1969	1946	1985	1934	1934	1930	1930

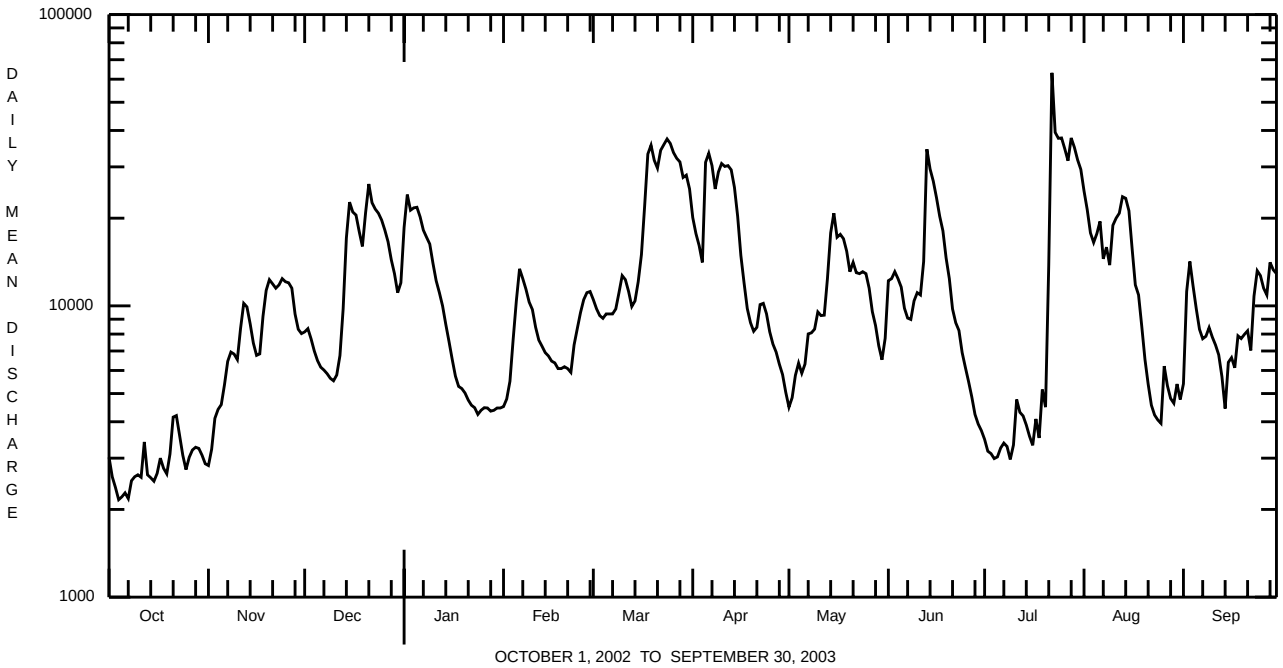
e Estimated.

OHIO RIVER MAIN STEM

03025500 ALLEGHENY RIVER AT FRANKLIN, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915 - 2003	
ANNUAL TOTAL	3970600		4316520			
ANNUAL MEAN	10880		11830		10590	
HIGHEST ANNUAL MEAN					15560	1956
LOWEST ANNUAL MEAN					6482	1931
HIGHEST DAILY MEAN	47300	May 14	63100	Jul 22	130000	Mar 13 1920
LOWEST DAILY MEAN	2160	Oct 4	2160	Oct 4	335	Aug 21 1930
ANNUAL SEVEN-DAY MINIMUM	2330	Oct 2	2330	Oct 2	351	Aug 17 1930
MAXIMUM PEAK FLOW			79700	Jul 22	**a**138000	Mar 13 1920
MAXIMUM PEAK STAGE			15.64	Jul 22	**b**20.65	Mar 13 1920
ANNUAL RUNOFF (CFSM)	1.82		1.98		1.77	
ANNUAL RUNOFF (INCHES)	24.69		26.84		24.04	
10 PERCENT EXCEEDS	23100		25300		25100	
50 PERCENT EXCEEDS	8490		9260		6670	
90 PERCENT EXCEEDS	2760		3310		1430	

a From rating curve extended above 111,000 ft^3/s.
b Maximum gage height observed, 26.0 ft, Feb. 27, 1917 (backwater from ice), also Feb. 26, 1926 (backwater from ice).



OCTOBER 1, 2002 TO SEPTEMBER 30, 2003