



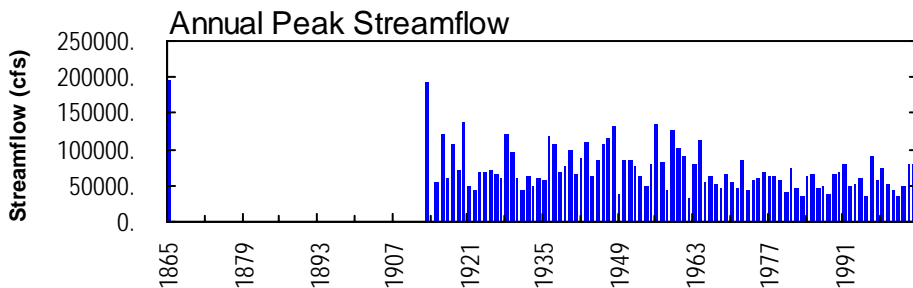
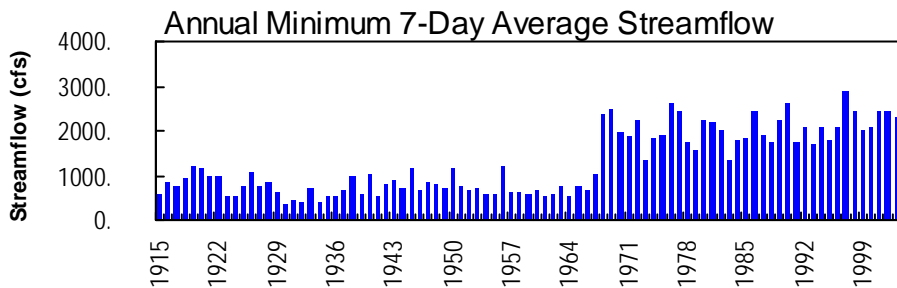
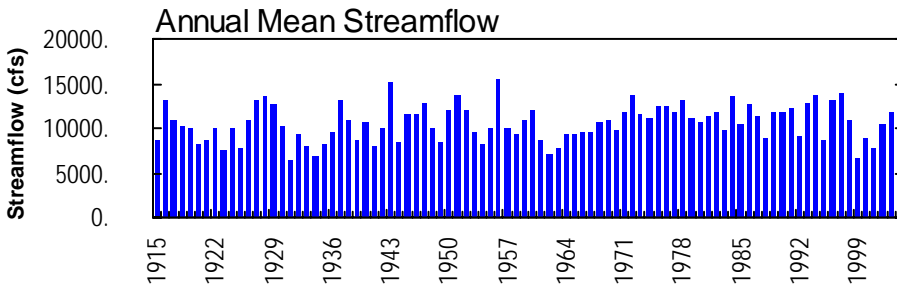
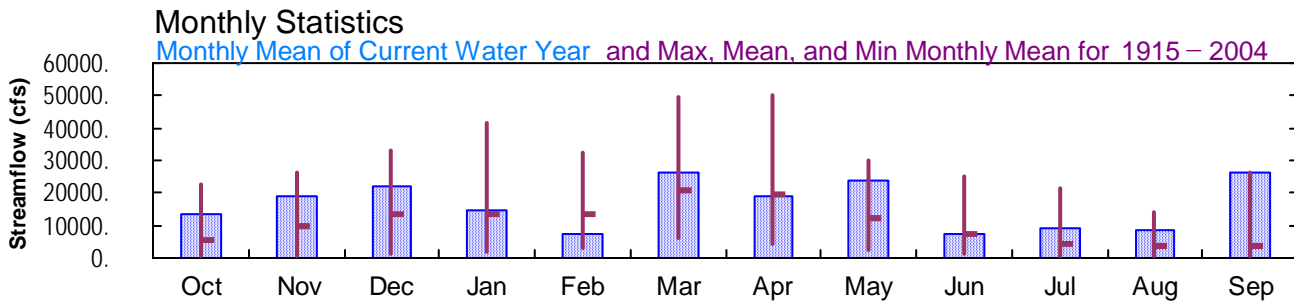
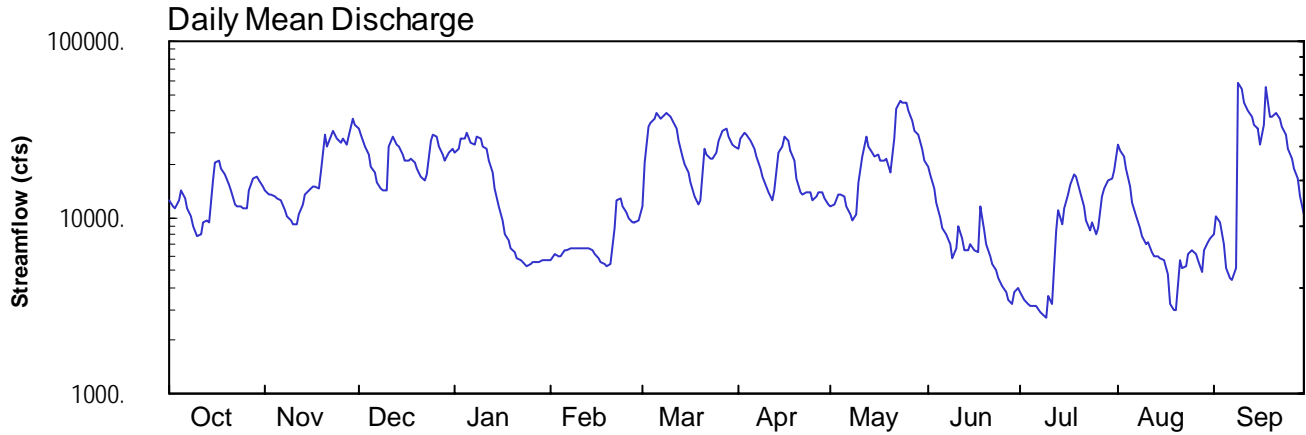
2004 Water Year OHIO RIVER BASIN

03025500 Allegheny River at Franklin, PA

Latitude: 41° 23 ' 22"
Venango County

Longitude: 079° 49 ' 14"
Datum: 955.84 feet

Hydrologic Unit Code: 05010004
Drainage Area: 5982. mi²



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 mi².

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 ft³/s and 190,000 ft³/s, respectively, from rating curve extended above 111,000 ft³/s. Maximum discharge since at least 1864 is that of Mar. 17, 1865.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12400	14100	31600	23100	e5690	11400	24700	11500	19300	3740	25800	8000
2	11700	13600	29500	24500	e6210	20700	27900	11700	17500	3430	24100	10100
3	11300	13400	25500	28000	e5940	32300	29800	13400	14700	3220	22400	9340
4	12600	13000	22900	27800	e5940	34400	29400	13500	12200	3100	19100	7110
5	14400	12700	19500	30600	e6470	36700	26900	13100	9830	3100	14900	5150
6	12900	12400	17900	26400	e6580	39700	24500	11400	8590	3110	12000	4550
7	11300	10900	15900	25600	e6670	36600	21900	10300	7970	2910	10200	4360
8	10200	10100	14700	28900	e6670	37400	19100	9620	7040	2800	8610	5100
9	8870	9640	14100	28100	e6670	39600	16900	10500	5830	2710	7800	58300
10	7870	9240	14100	25200	e6670	37700	15100	15800	6640	3550	6990	54100
11	8050	9230	25200	24400	e6700	35200	13900	22100	8780	3240	7190	45100
12	9440	10300	28900	21100	e6730	32200	12500	29000	7640	8540	6280	40600
13	9650	11800	26100	18000	e6730	27600	14100	24900	6480	11000	5980	37500
14	9460	13400	24900	14600	e6510	22400	23100	23200	6430	9180	5980	33900
15	16000	14200	22700	e11500	e6150	20100	25300	22100	6960	11300	5850	32200
16	20400	14900	21000	e9600	e5850	18100	28700	22700	6480	13600	5650	26100
17	21100	14900	21000	e8000	e5610	15600	27300	20900	6260	15500	4770	33500
18	19100	14700	21700	e7340	e5410	13200	23600	20800	11400	17400	3230	54700
19	17300	18000	20300	e6700	e5290	11800	21100	21700	8360	17200	3010	37100
20	15400	29100	19100	e6300	e5390	12500	16400	17800	7020	13900	3010	37100
21	14200	25500	17000	e5850	8710	24300	13700	27900	6030	11500	5680	38900
22	11900	28900	16200	e5720	12400	22600	13400	41800	5360	9640	5100	35800
23	11600	30800	17400	e5560	12700	21500	13900	45400	4990	8400	5260	32500
24	11600	27700	27000	e5310	e11600	21300	13900	45100	4530	9270	6170	29100
25	11400	26400	29400	e5440	e10700	23500	12600	45200	4060	7990	6450	24400
26	11300	27700	28300	e5500	e9860	26900	13100	40000	3770	8570	6170	21500
27	14300	26000	25300	e5560	e9410	31200	13900	35000	3420	13100	5700	18900
28	16700	29700	22800	e5560	e9410	31500	13700	30900	3230	14800	4950	16600
29	16900	36700	21000	e5750	e9580	29000	12800	29100	3780	16000	6480	13200
30	16100	33300	23100	e5690	---	26100	12000	24600	3970	16500	7260	10500
31	15000	---	24800	e5690	---	25200	---	21000	---	18500	7660	---
TOTAL	410440	562310	688900	457370	218250	818300	575200	732020	228550	286800	269730	785310
MEAN	13240	18740	22220	14750	7526	26400	19170	23610	7618	9252	8701	26180
MAX	21100	36700	31600	30600	12700	39700	29800	45400	19300	18500	25800	58300
MIN	7870	9230	14100	5310	5290	11400	12000	9620	3230	2710	3010	4360
CFSM	2.21	3.13	3.71	2.47	1.26	4.41	3.21	3.95	1.27	1.55	1.45	4.38
IN.	2.55	3.50	4.28	2.84	1.36	5.09	3.58	4.55	1.42	1.78	1.68	4.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	5597	10000	13400	13770	13580	20810	19300	12280	7472	4579	3380	3843
MAX	22900	26030	33270	41420	32340	49850	49920	30070	24820	21440	13830	26180
(WY)	1991	1986	1928	1937	1976	1936	1940	1943	1989	1972	1977	2004
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	5216770		6033180			
ANNUAL MEAN	14290		16480		10650	
HIGHEST ANNUAL MEAN					16480	
LOWEST ANNUAL MEAN					6482	
HIGHEST DAILY MEAN	63100	Jul 22	58300	Sep 9	130000	Mar 13 1920
LOWEST DAILY MEAN	2970	Jul 9	2710	Jul 9	335	Aug 21 1930
ANNUAL SEVEN-DAY MINIMUM	3150	Jul 3	2990	Jul 3	351	Aug 17 1930
MAXIMUM PEAK FLOW			79700	Sep 9	a138000	Mar 13 1920
MAXIMUM PEAK STAGE			15.64	Sep 9	b20.65	Mar 13 1920
ANNUAL RUNOFF (CFSM)	2.39		2.76		1.78	
ANNUAL RUNOFF (INCHES)	32.44		37.52		24.19	
10 PERCENT EXCEEDS	29300		30800		25200	
50 PERCENT EXCEEDS	11700		13700		6760	
90 PERCENT EXCEEDS	4540		5480		1450	

a From rating curve extended above 111,000 ft³/s.

b Maximum gage height observed, 26.0 ft, Feb. 27, 1917 (backwater from ice), also Feb. 26, 1926 (backwater from ice).