



2005 Water Year
OHIO RIVER BASIN
03025500 Allegheny River at Franklin, PA

Latitude: 41° 23 ' 22"

Longitude: 079° 49 ' 14"

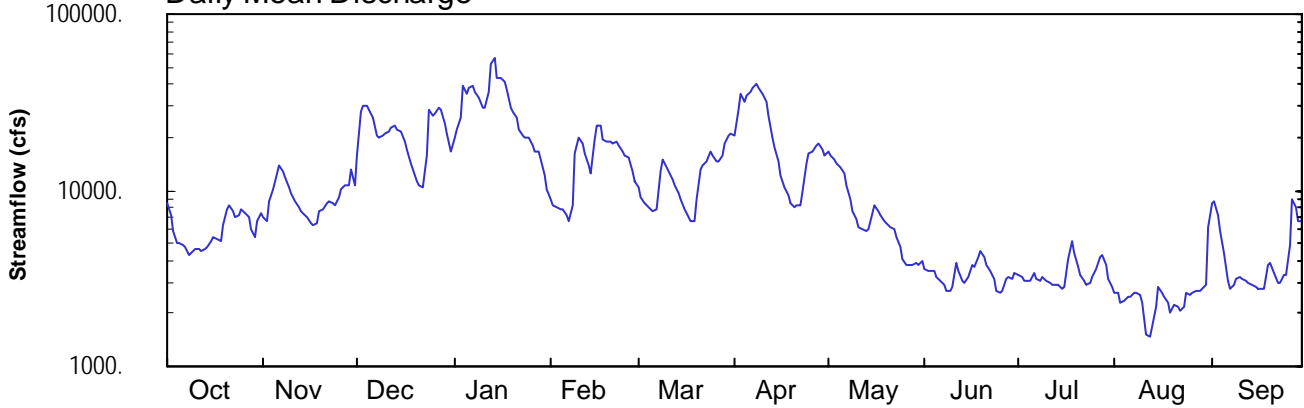
Hydrologic Unit Code: 05010004

Venango County

Datum: 955.84 feet

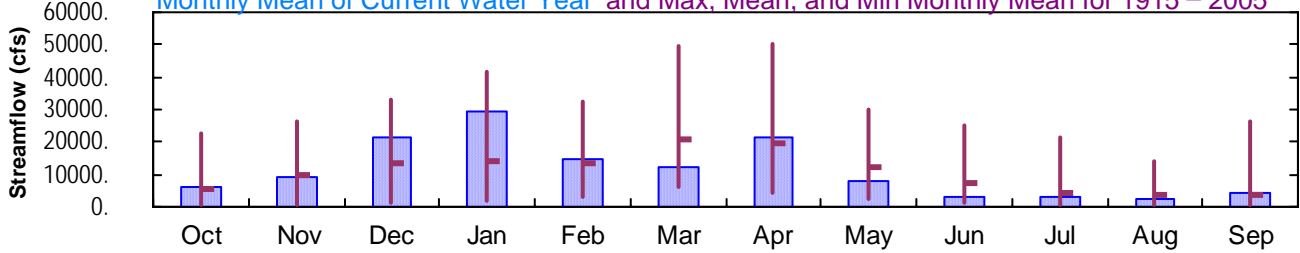
Drainage Area: 5982. mi²

Daily Mean Discharge

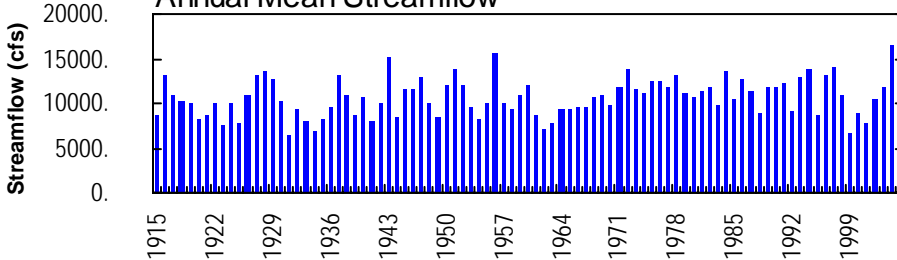


Monthly Statistics

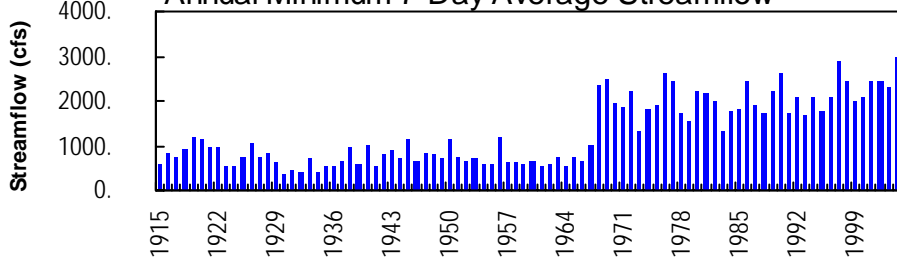
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1915 – 2005



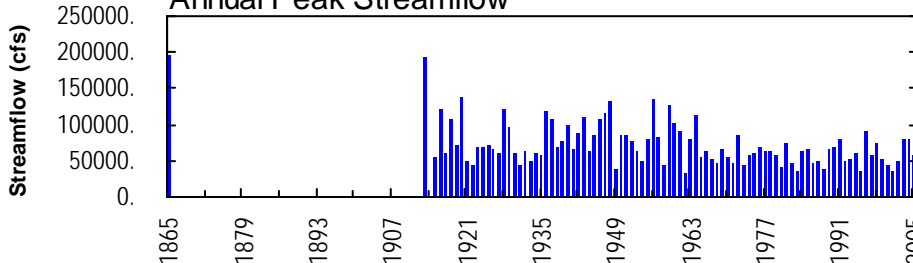
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8390	7130	e15900	19900	8840	10300	20300	16600	3620	3310	2630	8460
2	7160	6730	28000	21900	8240	9200	28600	15600	3510	3200	2620	8590
3	5860	8590	30500	25700	8030	8520	35600	14800	3470	3090	2290	7300
4	5050	10000	30200	39000	7850	8250	31500	14200	3480	3030	2330	5930
5	5010	12500	28600	35000	7730	7800	34500	13400	3190	3090	2500	4440
6	4910	13700	25800	37800	7240	7540	36000	12400	3030	3410	2500	3040
7	4750	12900	20300	39100	6770	7860	38500	10600	2890	3130	2650	2740
8	4290	11700	20100	35800	8330	12900	40400	8880	2690	3070	2610	2940
9	4440	10500	20700	33300	16000	14900	38000	7630	2710	3230	2560	3120
10	4690	9510	21000	29600	20000	13700	35000	6770	2850	3050	2330	3200
11	4620	8620	21500	29700	18200	12800	31800	6210	3870	2980	1520	3100
12	4570	8080	22600	36300	16200	11500	26400	6050	3450	2930	1460	3030
13	4650	7540	23000	51600	13800	10600	20200	5830	3090	2920	1670	2950
14	4750	7250	22400	56000	12400	9500	17500	6100	2960	2900	2190	2870
15	5100	7060	21300	e43000	19300	8790	14400	7360	3190	2780	2820	2810
16	5470	6560	19200	e43800	23400	7890	12300	8170	3740	2850	2630	2770
17	5330	6300	17000	e40800	23100	7000	10400	7670	3640	4110	2480	2750
18	5210	6590	14300	e37100	19600	6710	9420	7200	4160	5100	2270	2790
19	6310	7570	13000	e29600	18700	6660	8500	6740	4530	4430	2020	3790
20	7820	7900	11100	27700	18800	8790	8030	6460	4190	3710	2240	3850
21	8170	8410	10600	25700	18300	13200	8180	6240	3810	3300	2180	3370
22	7640	8560	10400	22000	18700	13900	8170	5990	3500	3030	2090	3010
23	7060	8470	15600	20400	17900	14700	9770	5380	3160	2930	2180	2990
24	7150	8250	28700	19800	16600	16800	14200	4740	2690	2980	2640	3280
25	7740	9050	26200	19700	15700	15600	16000	4120	2590	3250	2580	3320
26	7500	10100	27200	17800	15200	14600	16600	3740	2670	3530	2610	4880
27	7000	10800	29700	16700	13000	14500	17700	3750	3110	4150	2710	8870
28	6090	10700	28700	16500	11300	15700	18500	3790	3200	4250	2700	7990
29	5420	13000	24000	14900	---	18300	16900	3880	3120	3760	2780	6650
30	6670	e10700	21100	12100	---	20600	15600	3780	3370	3170	2900	6690
31	7350	---	16500	10200	---	21200	---	3930	---	2820	6170	---
TOTAL	186170	274770	665200	908500	409230	370310	638970	238010	99480	103490	77860	131520
MEAN	6005	9159	21460	29310	14620	11950	21300	7678	3316	3338	2512	4384
MAX	8390	13700	30500	56000	23400	21200	40400	16600	4530	5100	6170	8870
MIN	4290	6300	10400	10200	6770	6660	8030	3740	2590	2780	1460	2740
CFSM	1.00	1.53	3.59	4.90	2.44	2.00	3.56	1.28	0.55	0.56	0.42	0.73
IN.	1.16	1.71	4.14	5.65	2.54	2.30	3.97	1.48	0.62	0.64	0.48	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

MEAN	5602	9992	13490	13940	13590	20710	19320	12230	7426	4566	3371	3849
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1915 - 2005	
ANNUAL TOTAL	5497670		4103510			
ANNUAL MEAN	15020		11240		10660	
HIGHEST ANNUAL MEAN					16480	2004
LOWEST ANNUAL MEAN					6482	1931
HIGHEST DAILY MEAN	58300	Sep 9	56000	Jan 14	130000	Mar 13 1920
LOWEST DAILY MEAN	2710	Jul 9	1460	Aug 12	335	Aug 21 1930
ANNUAL SEVEN-DAY MINIMUM	2990	Jul 3	2050	Aug 8	351	Aug 17 1930
MAXIMUM PEAK FLOW			58100	Jan 14	a 138000	Mar 13 1920
MAXIMUM PEAK STAGE			13.13	Jan 14	b 20.65	Mar 13 1920
INSTANTANEOUS LOW FLOW			1440	Aug 11,12		
ANNUAL RUNOFF (CFSM)	2.51		1.88		1.78	
ANNUAL RUNOFF (INCHES)	34.19		25.52		24.21	
10 PERCENT EXCEEDS	29900		26300		25200	
50 PERCENT EXCEEDS	11400		7730		6760	
90 PERCENT EXCEEDS	5040		2780		1470	

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).

