

OHIO RIVER MAIN STEM

03011020 ALLEGHENY RIVER AT SALAMANCA, NY

LOCATION.--Lat 42°09'23", long 78°42'56", Cattaraugus County, Hydrologic Unit 05010001, on left bank 230 ft upstream from Main Street bridge in Salamanca, 1.3 mi downstream from Great Valley Creek, and 1.6 mi upstream from Little Valley Creek.

DRAINAGE AREA.--1,608 mi².

PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1964, published as "at Red House."

REVISED RECORDS.--WSP 1385: 1907, 1909-12, 1913(M), 1914-15, 1916-17(M), 1925, 1927. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,358.00 ft above sea level (Corps of Engineers bench mark). Prior to Sep. 3, 1917, nonrecording gage and Sep. 4, 1917 to Sep. 30, 1964, water-stage recorder at site 7.5 mi downstream at different datum. Oct. 1, 1964 to Sep. 30, 1967, at present site at datum 0.04 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair. U.S. Army Corps of Engineers telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,000 ft³/s, June 23, 1972, gage height, 24.01 ft, from floodmarks; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Feb. 26	0600	*16,300	*9.67	(No peaks above base discharge.)			

Minimum discharge 245 ft³/s, Oct 13, Sep 9, gage height, 2.71 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	275	2430	e1300	e850	10600	1860	2300	1640	1190	2480	279
2	947	342	2020	e1400	e850	9120	1760	2580	1540	1050	1350	274
3	588	2480	1830	3270	e800	7060	2160	2430	1970	954	1160	333
4	471	1960	2100	8780	e800	5400	8490	2110	1560	1010	911	576
5	431	1530	2430	10100	e750	4670	11300	1990	1280	975	713	422
6	380	1330	2600	6740	e750	4050	9520	1850	1530	866	626	323
7	331	1130	2610	5120	e750	3500	7760	1720	1610	764	2570	283
8	298	952	2250	4220	e720	3150	10100	1630	1350	685	1910	259
9	282	812	1950	3580	e710	2920	13100	1560	1140	650	1420	250
10	277	734	1960	3330	e720	2870	10300	2420	1000	869	3320	254
11	276	889	2410	4150	e950	2650	8530	3770	967	860	2220	272
12	260	858	2230	4340	e1500	2850	7110	2900	2520	753	1500	307
13	254	790	2010	3630	e1600	2890	5420	2640	3720	626	1280	515
14	375	719	2300	2960	1490	2650	4450	2680	6700	569	1100	614
15	642	659	6470	e2600	1540	2660	3820	2240	6290	664	895	657
16	575	615	6480	e2300	1550	2680	3390	1870	4680	743	886	908
17	463	575	5330	e1900	e1400	3630	3020	1670	4290	795	777	815
18	403	527	4350	e1400	e1300	3720	2840	2070	4070	781	690	620
19	368	491	3590	e1350	1300	3570	2640	9730	5470	627	592	477
20	341	475	3150	e1300	1280	3450	2530	10500	3940	543	517	406
21	466	486	3310	e1250	1260	3250	4770	7870	3340	500	462	417
22	632	467	3010	e1200	1260	3230	6400	5990	4650	496	421	425
23	639	455	2490	e1150	1780	3110	6950	4710	3650	468	404	968
24	589	477	2110	e1100	4660	2810	5950	4280	2750	444	484	1100
25	525	515	1900	e1050	11900	2660	5070	4610	2400	403	465	883
26	433	1490	e1700	e1000	15900	2550	4350	3890	2230	376	442	706
27	362	6990	e1600	e950	14900	2370	3780	3260	2010	357	380	588
28	330	5890	e1500	e950	14800	2260	3340	2830	1820	338	343	538
29	312	4010	e1350	e900	12700	2210	2940	2480	1580	416	323	493
30	296	3080	e1300	e900	---	2190	2590	2160	1350	1340	312	444
31	285	---	e1300	e850	---	2010	---	1860	---	1470	293	---
TOTAL	14491	42003	82070	85070	100770	112740	166240	104600	83047	22582	31246	15406
MEAN	467	1400	2647	2744	3475	3637	5541	3374	2768	728	1008	514
MAX	1660	6990	6480	10100	15900	10600	13100	10500	6700	1470	3320	1100
MIN	254	275	1300	850	710	2010	1760	1560	967	338	293	250
CFSM	.29	.87	1.65	1.71	2.16	2.26	3.45	2.10	1.72	.45	.63	.32
IN.	.34	.97	1.90	1.97	2.33	2.61	3.85	2.42	1.92	.52	.72	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

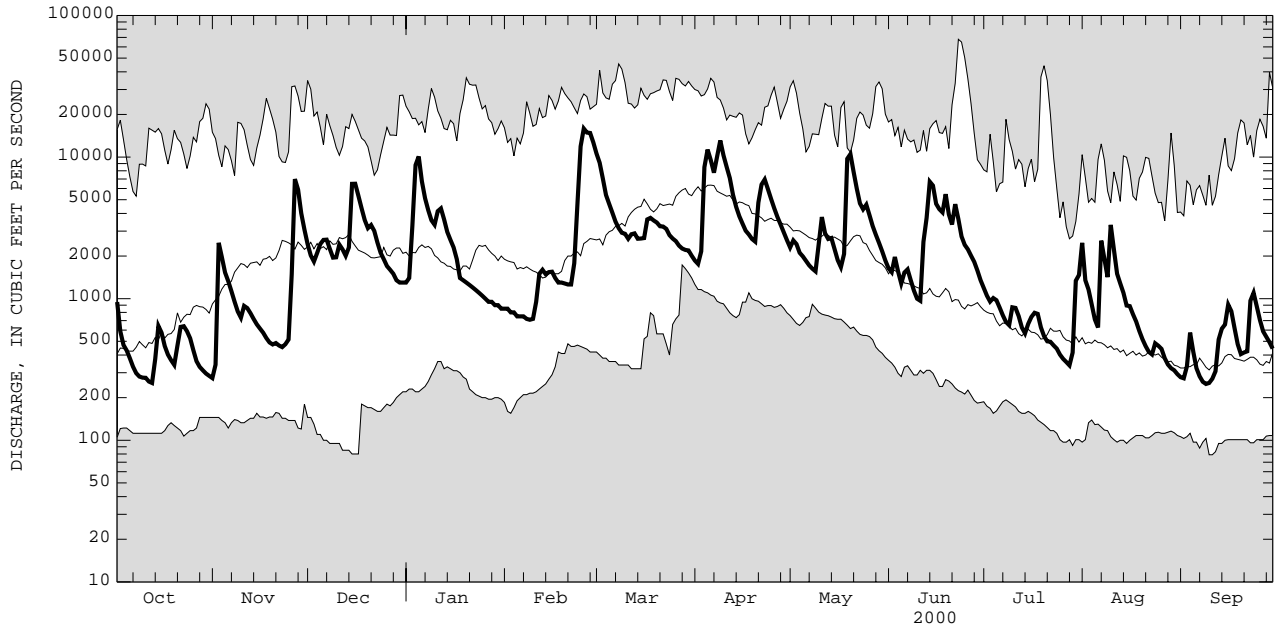
MEAN	1339	2538	3077	3361	3178	5951	5825	3461	2010	1092	720	831
MAX	5801	8605	9147	10200	9683	14850	15540	9574	11520	6074	3882	7477
(WY)	1991	1928	1928	1913	1976	1936	1940	1943	1972	1942	1977	1977
MIN	124	146	189	255	550	1983	970	796	299	150	119	118
(WY)	1931	1931	1961	1961	1905	1937	1946	1985	1934	1934	1930	1932

e Estimated.

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03011020 ALLEGHENY RIVER AT SALAMANCA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1904 - 2000	
ANNUAL TOTAL	740729		860265			
ANNUAL MEAN	2029		2350		2779	
HIGHEST ANNUAL MEAN					4174	1916
LOWEST ANNUAL MEAN					1777	1999
HIGHEST DAILY MEAN	19100	Jan 25	15900	Feb 26	67900	Jun 23 1972
LOWEST DAILY MEAN	144	Aug 19	250	Sep 9	79	Sep 10 1971
ANNUAL SEVEN-DAY MINIMUM	164	Sep 1	278	Sep 6	84	Dec 11 1908
ANNUAL RUNOFF (CFSM)	1.26		1.46		1.73	
ANNUAL RUNOFF (INCHES)	17.14		19.90		23.48	
10 PERCENT EXCEEDS	5210		5350		6740	
50 PERCENT EXCEEDS	889		1500		1510	
90 PERCENT EXCEEDS	202		396		288	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.