

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 Sept. 3, 1917, nonrecording gage and Sept. 4, 1917 to Sept. 30, 1964, water-stage recorder at site 7.5 mi downstream at different datum. Oct. 1, 1964 to Sept. 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)
Apr. 8	2400	*14,700	*9.12	(No peaks above base discharge.)			

Minimum discharge 138 ft³/s, Aug 16-21, gage height, 2.58 ft.

**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	400	480	2720	e1100	1720	1920	4960	2180	1280	629	203	466
2	370	645	2240	e1100	1660	1840	5120	1990	1230	755	202	643
3	353	649	1650	e1100	1300	1770	4680	1830	1270	708	206	519
4	457	558	e1250	e1050	e1300	1620	4480	1670	1340	574	184	397
5	895	515	e1350	1160	e1300	e1500	5090	1530	1230	578	172	369
6	3910	491	e1300	e1050	1330	e1300	6860	1390	1060	608	171	326
7	4180	464	e1200	1030	1240	e1400	11200	1270	942	559	172	288
8	2820	553	e1100	1010	e1200	1550	13900	1150	850	486	173	256
9	2180	551	e1050	958	2010	1340	14200	1140	790	441	168	237
10	1740	511	e1000	e900	9560	1260	14400	1130	741	431	159	214
11	1430	676	e1100	e850	8640	1170	12600	1050	737	461	158	206
12	1220	766	e1700	e850	5500	1090	10800	1250	730	449	152	199
13	1050	686	e2300	e800	4760	1750	8610	1490	692	428	153	189
14	925	601	1980	776	4590	3530	6160	1260	614	380	158	190
15	833	567	1820	801	8680	3280	4650	1080	556	346	153	203
16	776	552	1790	861	7420	2890	4920	997	515	329	142	319
17	731	555	6560	924	5800	2700	5400	928	501	322	138	264
18	771	587	9020	934	4690	2570	5060	895	498	312	138	214
19	942	594	6780	931	3810	2470	4480	872	479	311	138	193
20	900	586	5190	e860	3580	2690	4030	828	424	314	138	184
21	768	574	3980	e820	3610	3260	5530	769	418	302	239	191
22	695	e520	3200	e800	2770	5230	8110	785	942	276	276	184
23	646	e510	e2300	e780	e2350	5690	7350	2210	1010	252	204	192
24	617	e620	e2000	781	e2250	5830	6260	2620	1340	238	230	200
25	606	e620	e1700	737	e2500	4860	5220	1740	1450	229	224	325
26	597	1290	e1400	e720	3180	3970	4350	1510	1130	236	238	664
27	581	3600	e1300	e660	2650	3360	3730	1580	932	273	271	674
28	563	4410	e1250	e650	2200	2990	3240	1970	793	340	358	503
29	541	3770	e1200	e660	---	2800	2770	1990	685	272	576	452
30	521	3190	e1150	713	---	3940	2420	1700	606	231	492	427
31	494	---	e1100	1210	---	5890	---	1440	---	212	376	---
TOTAL	33512	30691	73680	27576	101600	87460	200580	44244	25785	12282	6762	9688
MEAN	1081	1023	2377	890	3629	2821	6686	1427	860	396	218	323
MAX	4180	4410	9020	1210	9560	5890	14400	2620	1450	755	576	674
MIN	353	464	1000	650	1200	1090	2420	769	418	212	138	184
CFSM	.67	.64	1.48	.55	2.26	1.75	4.16	.89	.53	.25	.14	.20
IN.	.78	.71	1.70	.64	2.35	2.02	4.64	1.02	.60	.28	.16	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

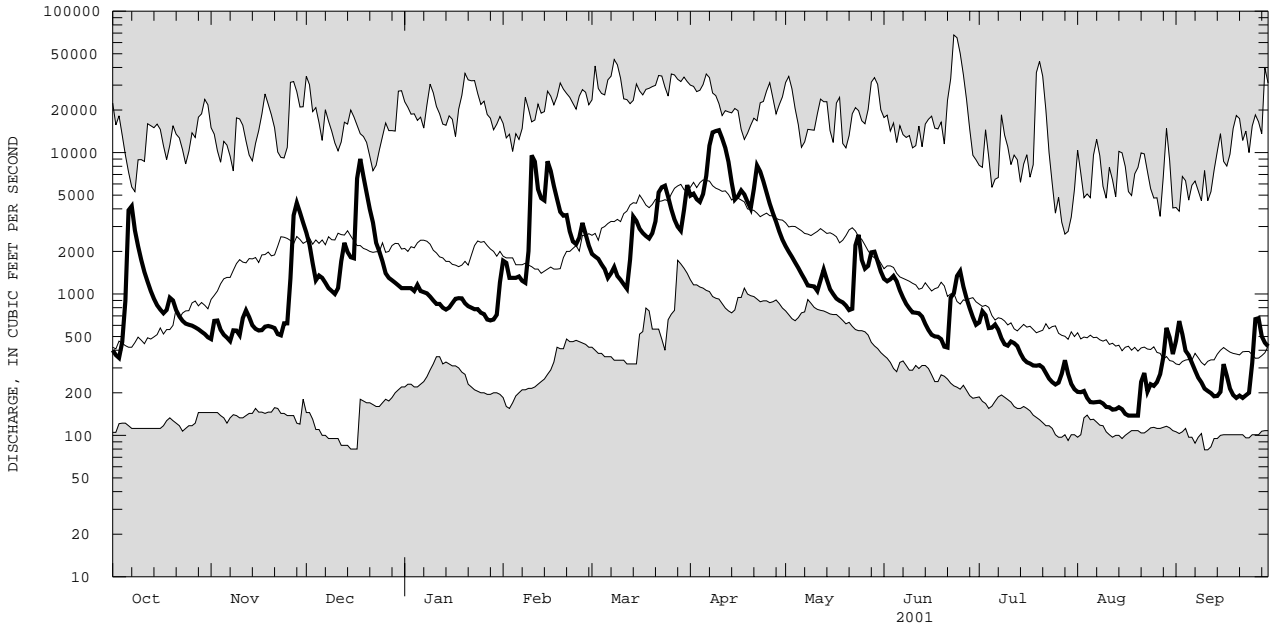
MEAN	1337	2522	3070	3336	3182	5919	5834	3440	1998	1084	715	826
MAX	5801	8605	9147	10200	9683	14850	15540	9574	11520	6074	3882	7477
(WY)	1991	1928	1928	1913	1976	1936	1940	1943	1972	1942	1977	1977
MIN	124	146	189	255	550	1983	970	796	299	150	119	118
(WY)	1931	1931	1961	1961	1905	1937	1946	1985	1934	1934	1930	1932

e Estimated.

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03011020 ALLEGHENY RIVER AT SALAMANCA, NY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	859584		653860			
ANNUAL MEAN	2349		1791		2769	
HIGHEST ANNUAL MEAN					4174	1916
LOWEST ANNUAL MEAN					1777	1999
HIGHEST DAILY MEAN	15900	Feb 26	14400	Apr 10	67900	Jun 23 1972
LOWEST DAILY MEAN	250	Sep 9	138	Aug 17	79	Sep 10 1971
ANNUAL SEVEN-DAY MINIMUM	278	Sep 6	144	Aug 14	84	Dec 11 1908
ANNUAL RUNOFF (CFSM)	1.46		1.11		1.72	
ANNUAL RUNOFF (INCHES)	19.89		15.13		23.39	
10 PERCENT EXCEEDS	5140		4720		6700	
50 PERCENT EXCEEDS	1350		932		1500	
90 PERCENT EXCEEDS	467		227		287	



2001 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.