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 mi^2.

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 National Geodetic Vertical Datum of 1929 (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 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge ft^3/s	Gage Height (ft)
Feb. 1	1700	*18,200	*10.34

No other peak greater than base discharge.

Minimum discharge 151 ft^3/s, Sept. 12, 13, 14, gage height, 2.58 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	1010	4250	e1300	16200	2330	8000	5020	4040	1660	1010	224
2	339	927	3820	e1250	15600	2180	6510	5000	3190	1380	783	216
3	314	1010	3200	e1200	10800	2960	7620	5200	2610	1230	641	214
4	297	1060	2800	e1200	8020	4060	7460	4340	2270	1060	533	209
5	269	975	2450	e1300	5920	3290	5610	3770	7410	936	813	200
6	258	863	2160	e1250	4700	3330	4860	3350	13200	834	1160	194
7	265	926	1920	1220	3900	3460	4360	3040	13400	760	856	188
8	256	869	1720	e1100	3390	3160	3930	2790	10900	704	675	181
9	261	828	1600	1130	2980	2910	3750	2900	8490	696	567	175
10	258	861	1510	1210	2670	3330	4360	4920	5690	831	506	168
11	244	817	1390	1290	4460	3270	3800	4070	3990	758	462	164
12	232	734	1260	1300	4770	2980	3340	5040	3150	668	419	158
13	229	669	1190	1280	3960	2920	3780	12200	2660	588	391	151
14	230	622	1330	1210	3280	2810	6990	16000	2640	548	371	155
15	274	640	3370	1190	3190	2620	10100	15800	5120	516	352	309
16	324	631	3290	1170	3200	2790	9650	13000	6040	488	368	1110
17	607	590	3220	1130	3110	2820	8290	12000	6090	459	397	878
18	994	558	7720	1080	2720	2580	6600	11100	5170	433	379	512
19	900	533	8740	897	2450	2540	5160	10400	3990	404	365	372
20	689	643	7040	860	2400	2640	4480	8710	3120	421	349	297
21	597	733	5700	e1000	2820	3520	4020	7110	2530	431	330	261
22	857	735	4600	e980	3250	3390	3530	5570	2120	391	319	255
23	880	657	3890	1070	2960	3160	3250	4560	2230	394	321	245
24	903	609	4500	1860	2620	3210	2820	3840	2200	436	336	221
25	1640	1210	4090	4520	2460	3160	2550	3360	1730	440	389	207
26	1590	3040	e3200	4200	2460	3240	2450	3510	1570	398	334	194
27	1490	2820	e2700	3650	2780	6990	2190	3380	3100	365	300	262
28	1590	2320	e2400	3540	2630	6950	2720	2700	5290	1750	277	1020
29	1410	2570	e2000	3830	---	6800	6050	2440	3260	4100	262	1180
30	1230	3150	e1700	7970	---	10800	5740	4890	2150	2050	248	693
31	1110	---	e1400	10300	---	10200	---	5040	---	1200	232	---
TOTAL	20913	33610	100160	66487	129700	120400	153970	195050	139350	27329	14745	10613
MEAN	674.6	1120	3231	2145	4632	3884	5132	6292	4645	881.6	475.6	353.8
MAX	1640	3150	8740	10300	16200	10800	10100	16000	13400	4100	1160	1180
MIN	229	533	1190	860	2400	2180	2190	2440	1570	365	232	151
CFSM	0.42	0.70	2.01	1.33	2.88	2.42	3.19	3.91	2.89	0.55	0.30	0.22
IN.	0.48	0.78	2.32	1.54	3.00	2.79	3.56	4.51	3.22	0.63	0.34	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2002, BY WATER YEAR (WY)

MEAN	1330	2508	3072	3324	3197	5898	5827	3469	2025	1082	712.9	820.8
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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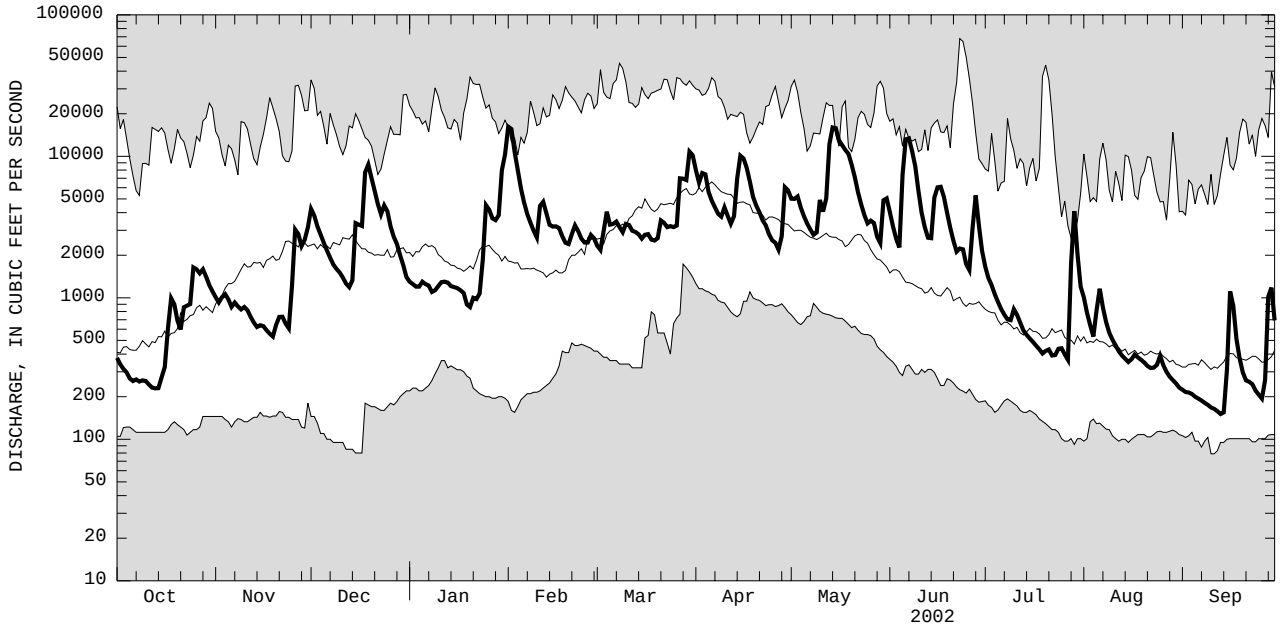
03011020 ALLEGHENY RIVER AT SALAMANCA, NY--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1904 - 2002	
ANNUAL TOTAL	670660		1012327			
ANNUAL MEAN	1837		2773		2769	
HIGHEST ANNUAL MEAN					4174	1916
LOWEST ANNUAL MEAN					1777	1999
HIGHEST DAILY MEAN	14400	Apr 10	16200	Feb 1	67900	Jun 23 1972
LOWEST DAILY MEAN	138	Aug 17	151	Sep 13	79	Sep 10 1971
ANNUAL SEVEN-DAY MINIMUM	144	Aug 14	165	Sep 8	84	Dec 11 1908
ANNUAL RUNOFF (CFSM)	1.14		1.72		1.72	
ANNUAL RUNOFF (INCHES)	15.52		23.42		23.39	
10 PERCENT EXCEEDS	4720		6550		6700	
50 PERCENT EXCEEDS	958		2000		1500	
90 PERCENT EXCEEDS	227		289		287	



2002 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.