

ST MARYS RIVER BASIN
1999 Water Year

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA

LOCATION.--Lat 30°31'03", long 82°13'50", Baker County, FL-Charlton County, GA, Hydrologic Unit 03070204, near right bank at downstream side of bridge on Florida Highway 2 and Georgia Highway 94, 0.2 miles upstream from Georgia Southern & Florida Railway bridge, 0.4 miles west of Moniac, 1.0 mile downstream from Moccasin Creek, and 122 miles upstream from mouth of St Marys River.

DRAINAGE AREA.--160 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published at St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1989, October 1989 to July, 1990 (discharge measurements only), August, 1990 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.40 feet above sea level. Prior to June 30, 1934, non-recording gage located at site 800 feet downstream at datum 3.22 feet higher. Oct. 3, 1950 to Oct. 17, 1988, water-stage recorder, Oct. 17, 1988 to Aug. 10, 1990, non-recording gage, at present site and datum.

REMARKS.--Records fair. Current water year information can be obtained by contacting the USGS, Florida District.

STATION NUMBER 02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 303103 LONGITUDE 0821350 DRAINAGE AREA 160.00 DATUM STATE 12 COUNTY 003

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	614	39	18	13	119	44	17	2.3	.00	5.0	4.1	38
2	770	37	18	13	146	42	16	2.7	.00	5.8	3.1	31
3	741	36	17	21	146	39	16	2.4	.00	4.8	2.6	25
4	771	35	17	22	149	38	15	1.9	.00	5.8	2.7	21
5	857	34	17	21	149	36	14	1.5	.00	9.7	2.3	17
6	853	33	16	20	134	34	13	1.4	.00	7.2	2.0	14
7	787	32	16	19	119	33	12	1.4	.00	5.8	3.5	12
8	686	31	15	19	106	32	11	1.9	.00	4.8	4.9	10
9	601	29	14	19	97	30	10	2.4	.00	3.9	6.0	8.7
10	520	28	14	22	91	30	9.2	1.9	.00	3.2	6.2	7.4
11	447	28	14	22	99	28	8.2	1.3	.00	2.5	5.8	6.4
12	387	27	13	21	101	27	7.2	.91	.00	2.1	5.2	5.4
13	335	26	14	21	95	26	6.0	.67	.03	12	4.4	4.8
14	290	26	14	20	85	28	5.2	.44	.12	13	3.8	4.1
15	245	26	14	22	76	31	4.7	.25	.04	13	4.0	3.9
16	201	25	13	22	70	30	4.4	.15	.03	13	6.0	3.7
17	166	25	12	21	66	28	4.8	.09	.25	13	9.1	3.1
18	145	24	12	23	63	27	5.1	.06	.30	13	8.3	3.2
19	128	23	11	25	61	26	4.0	.05	.16	17	8.5	7.2
20	113	23	11	24	59	25	3.4	.04	.09	22	7.9	10
21	99	21	11	24	56	25	2.9	.03	.06	23	7.4	15
22	88	21	11	23	52	24	2.5	.03	.04	21	7.8	15
23	78	22	11	37	49	23	2.2	.02	.03	23	13	13
24	70	22	10	147	46	22	1.8	.02	.02	24	15	11
25	64	22	10	213	44	21	1.7	.02	.03	22	25	10
26	58	22	11	215	42	21	1.8	.02	.21	18	40	18
27	54	21	13	189	40	20	1.6	.01	.47	15	60	133
28	50	20	13	165	41	19	2.2	.01	.44	12	68	338
29	47	19	14	144	---	18	2.1	.01	1.0	9.2	69	424
30	44	19	14	128	---	17	2.1	.01	2.8	7.1	60	405
31	41	---	13	116	---	17	---	.00	---	5.4	49	---

TOTAL	10350	796	421	1811	2401	861	207.1	23.94	6.12	356.3	514.6	1617.9
MEAN	334	26.5	13.6	58.4	85.8	27.8	6.90	.77	.20	11.5	16.6	53.9
MAX	857	39	18	215	149	44	17	2.7	2.8	24	69	424
MIN	41	19	10	13	40	17	1.6	.00	.00	2.1	2.0	3.1
CFSM	2.09	.17	.08	.37	.54	.17	.04	.00	.00	.07	.10	.34
IN.	2.41	.19	.10	.42	.56	.20	.05	.01	.00	.08	.12	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1999, BY WATER YEAR (WY)

MEAN	149	56.0	94.7	176	242	245	197	70.3	86.6	117	181	200
MAX	914	520	498	583	1427	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1998	1959	1973	1964	1957	1928	1971	1928
MIN	.003	.000	.13	.19	.21	.40	.20	.23	.040	.000	.006	.023
(WY)	1955	1955	1955	1934	1934	1955	1934	1955	1954	1954	1954	1954

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1921 - 1999

ANNUAL TOTAL		90702.95		19365.96								
ANNUAL MEAN		249		53.1						151		
HIGHEST ANNUAL MEAN										377		1973
LOWEST ANNUAL MEAN										16.3		1955
HIGHEST DAILY MEAN		3590	Feb 18		857	Oct 5				11400	Apr 5	1973
LOWEST DAILY MEAN		.00	Jul 8		.00	May 31				.00	Jun 16	1921
ANNUAL SEVEN-DAY MINIMUM		.00	Jul 8		.00	May 31				.00	Jun 16	1921
INSTANTANEOUS PEAK FLOW					863	Oct 5				11600	Apr 5	1973
INSTANTANEOUS PEAK STAGE					11.69	Oct 5				22.98	Apr 5	1973
ANNUAL RUNOFF (CFSM)		1.55			.33					.95		
ANNUAL RUNOFF (INCHES)		21.09			4.50					12.85		
10 PERCENT EXCEEDS		740			119					408		
50 PERCENT EXCEEDS		26			16					48		
90 PERCENT EXCEEDS		.60			.11					1.1		

STATISTICS COMPUTED BY: nazarian

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