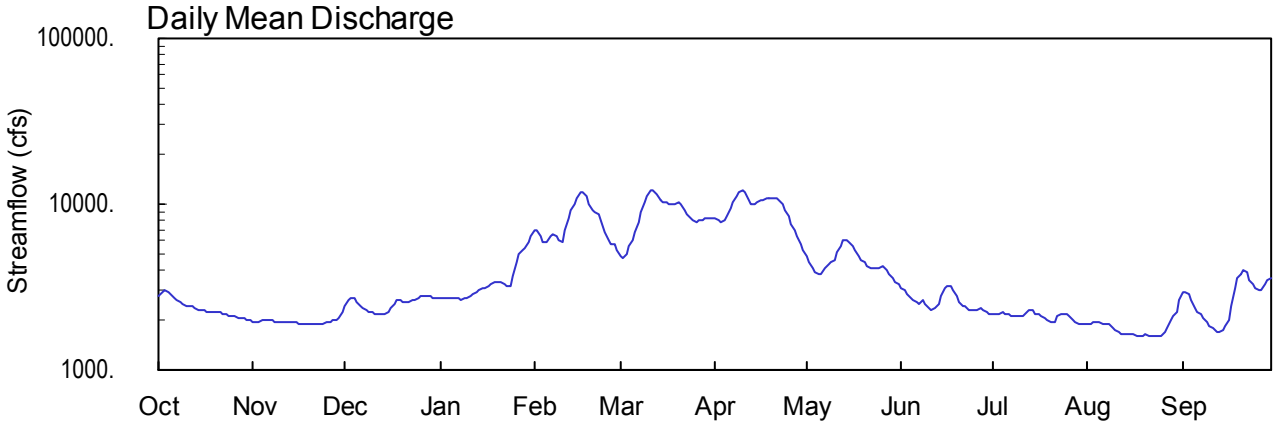
ALTAMAHA RIVER BASIN

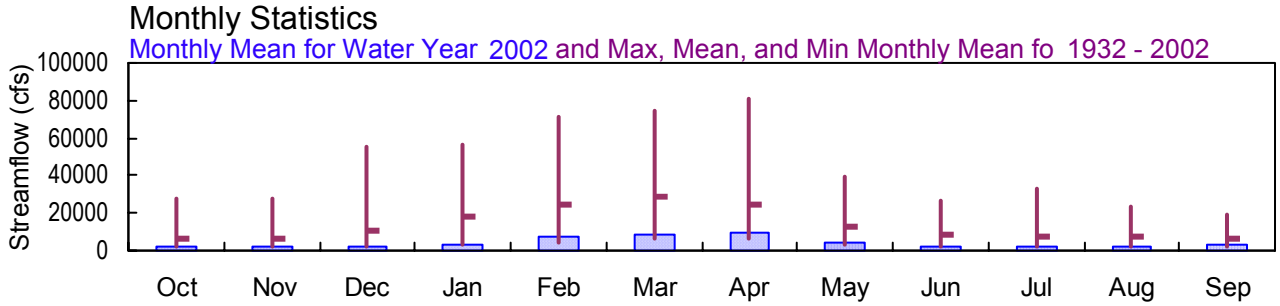
2002 Water Year

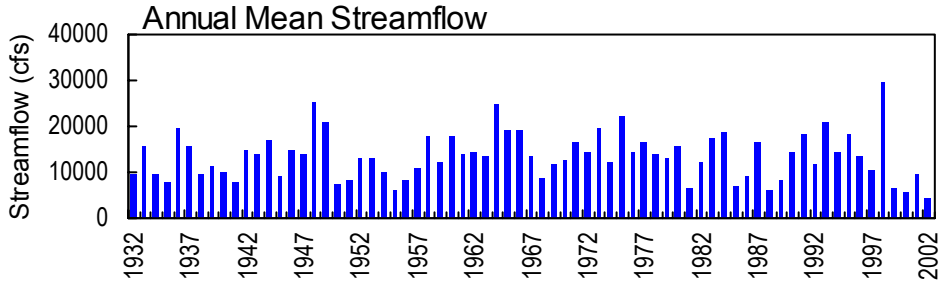
02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

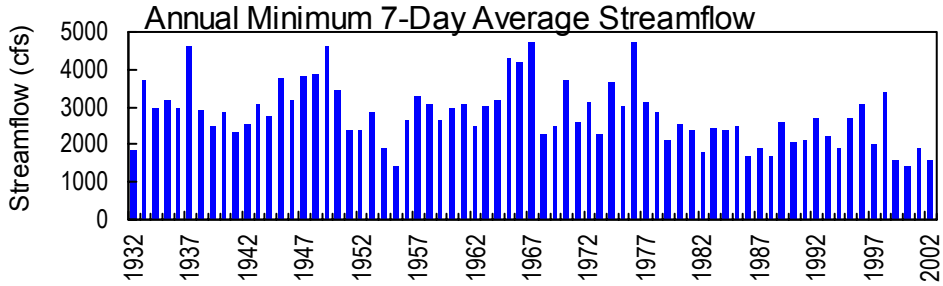
Latitude: 31°39'16" Longitude: 81°49'41" Hydrologic Unit Code: 03070106 Wayne County

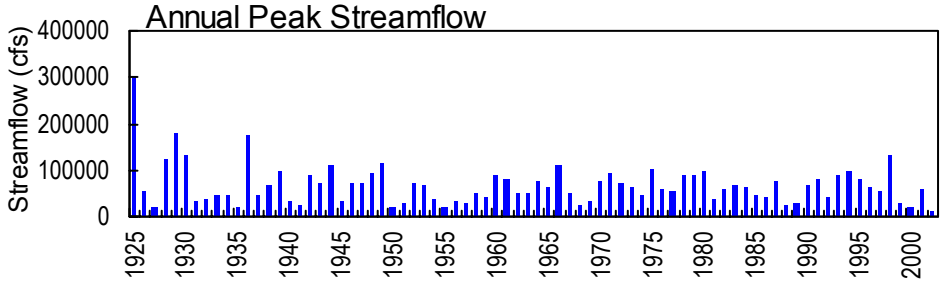
Drainage Area: 13,600. mi^2 Datum: 24.48 feet











ALTAMAHA RIVER BASIN
2002 Water Year

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

LOCATION.—Lat 31°39'16", long 81°49'41" referenced to North American Datum (NAD) of 1927, Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60.0 feet downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 miles northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.—13,600 mi^2, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records good, except for those periods of estimated discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1800, 18.6 feet, at present datum, on January 23, 1925, with a discharge of 300,000 ft^3/s taken from a rating curve extended above 180,000 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 30,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE-HEIGHT (ft)
Apr. 11	0000	12,300*	8.82*

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.82 feet, April 11; minimum gage-height recorded, 1.36 feet, August 13, 15, but may have been lower during periods of missing record.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29
Date Processed: 2003-03-10 11:03 By acday
APPROVED
DD #2, DCP

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	2830	1970	2410	2700	6920	4900	8220	4870	3150	2190	1900	2930
2	2960	1960	2620	2720	6910	4730	8030	4470	3010	2190	1910	2940
3	3040	1960	2730	2740	6470	5060	7840	4120	2840	2200	1930	2850
4	2990	2020	2700	2750	5960	5510	7960	3890	2710	2220	1930	2610
5	2860	2020	2590	2700	5980	6010	8540	3790	2610	2190	1930	2380
6	2740	1980	2460	2690	6360	6740	9330	3840	2550	2150	1880	2240
7	2650	1980	2360	2680	6590	7890	10300	4060	2520	2120	1890	2150
8	2570	1970	2290	2670	6400	9030	11100	4360	2650	2110	1870	2040
9	2500	1950	2260	2680	5990	10200	11700	4460	2480	2120	1800	1940
10	2440	1950	2210	2730	5970	11300	12100	4610	2370	2120	1730	1840
11	2420	1950	2180	2800	6930	12000	11900	5100	2320	2120	1680	1770
12	2400	1950	2180	2840	8150	12100	10700	5620	2370	2240	e1640	1710
13	2360	1930	2160	2960	9090	11400	9900	5990	2510	2310	1670	1700
14	2330	1920	2170	3030	10100	10600	9870	6110	2800	2270	1650	1750
15	2310	1920	2230	3100	11000	10200	10400	5850	3100	2200	1640	1860
16	2280	1910	2350	3150	11700	10200	10700	5550	3230	2150	e1630	2010
17	2260	1900	2490	3220	11800	10100	10600	5230	3200	2110	e1600	2440
18	2260	1890	2610	3310	11100	9920	10800	4830	3020	2060	e1610	3150
19	2240	1880	2630	3370	10100	9930	10900	4630	2760	1990	e1620	3580
20	2220	1880	2590	3410	9260	10200	10900	4460	2560	1930	e1630	3780
21	2210	1880	2550	3360	8910	10100	10900	4280	2420	1960	e1620	3980
22	2190	1870	2570	3270	8760	9250	10500	4160	2400	2100	e1620	3870
23	2150	1890	2620	3180	8120	8600	9950	4110	2310	2190	e1610	3530
24	2130	1910	2670	3200	6790	8170	9160	4100	2270	2160	e1610	3260
25	2120	1930	2720	3650	6000	7960	e8440	4150	2290	2160	e1620	3120
26	2090	1970	2770	4480	5810	7840	e7670	4210	2330	2100	e1690	3030
27	2060	1990	2800	5010	5670	7900	e7050	4040	2350	2000	1790	3030
28	2040	2010	2790	5350	5310	8010	e6370	3790	2300	1950	1980	3270
29	2030	2070	2760	5500	---	8150	e5770	3580	2230	1890	2110	3520
30	2010	2210	2730	5850	---	8240	e5350	3420	2190	1880	2210	3560
31	1980	---	2720	6450	---	8260	---	3270	---	1900	2640	---
TOTAL	73670	58620	77920	107550	218150	270500	282950	138950	77850	65280	55640	81840
MEAN	2376	1954	2514	3469	7791	8726	9432	4482	2595	2106	1795	2728
MAX	3040	2210	2800	6450	11800	12100	12100	6110	3230	2310	2640	3980
MIN	1980	1870	2160	2670	5310	4730	5350	3270	2190	1880	1600	1700
CFSM	0.17	0.14	0.18	0.26	0.57	0.64	0.69	0.33	0.19	0.15	0.13	0.20
IN.	0.20	0.16	0.21	0.29	0.60	0.74	0.77	0.38	0.21	0.18	0.15	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2002, BY WATER YEAR (WY)

MEAN	6178	6127	11000	18290	24740	29240	24960	12670	8520	7567	7457	5973
MAX	27680	27850	55570	56050	70970	74520	80960	39850	26650	33290	23090	18630
(WY)	1995	1948	1949	1998	1998	1998	1936	1964	1966	1994	1964	1949
MIN	1748	1789	2514	3469	4512	6795	6191	2991	1940	1736	1773	1874
(WY)	1955	1955	2002	2002	1989	1938	1985	1986	2000	2000	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1932 - 2002	
ANNUAL TOTAL	3360920		1508920			
ANNUAL MEAN	9208		4134		13500	
HIGHEST ANNUAL MEAN					29390	1998
LOWEST ANNUAL MEAN					4134	2002
HIGHEST DAILY MEAN	59400	Mar 28	12100	Mar 12	178000	Apr 18 1936
LOWEST DAILY MEAN	1870	Nov 22	1600	Aug 17	1410	Aug 30 2000
ANNUAL SEVEN-DAY MINIMUM	1880	Nov 17	1620	Aug 17	1440	Aug 26 2000
MAXIMUM PEAK FLOW			12300	Apr 11	178000	Apr 18 1936
MAXIMUM PEAK STAGE			8.82	Apr 11	16.03	Apr 18 1936
INSTANTANEOUS LOW FLOW					1400	Aug 30 2000
ANNUAL RUNOFF (CFSM)	0.68		0.30		0.99	
ANNUAL RUNOFF (INCHES)	9.19		4.13		13.49	
10 PERCENT EXCEEDS	22300		9550		31400	
50 PERCENT EXCEEDS	5430		2720		8060	
90 PERCENT EXCEEDS	2130		1900		3130	

e Estimated

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29
Date Processed: 2003-03-10 11:03 By acday
APPROVED
DD #3, DCP
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.91	1.82	2.39	2.76	6.87	5.17	7.55	5.14	3.30	2.12	1.72	3.03
2	3.07	1.81	2.65	2.77	6.86	5.00	7.46	4.74	3.13	2.12	1.73	3.05
3	3.17	1.82	2.79	2.81	6.52	5.31	7.37	4.38	2.92	2.13	1.77	2.93
4	3.11	1.89	2.75	2.81	6.12	5.73	7.43	4.14	2.77	2.15	1.77	2.64
5	2.95	1.89	2.61	2.76	6.14	6.17	7.70	4.03	2.64	2.12	1.77	2.35
6	2.80	1.84	2.45	2.74	6.44	6.72	8.03	4.08	2.56	2.07	1.71	2.18
7	2.69	1.83	2.33	2.73	6.62	7.39	8.30	4.32	2.52	2.03	1.71	2.06
8	2.58	1.82	2.24	2.71	6.47	7.91	8.51	4.63	2.68	2.01	1.69	1.92
9	2.50	1.80	2.20	2.73	6.15	8.29	8.68	4.73	2.48	2.03	1.59	1.78
10	2.43	1.79	2.14	2.79	6.14	8.56	8.76	4.88	2.33	2.03	1.49	1.65
11	2.40	1.80	2.10	2.87	6.85	8.75	8.72	5.35	2.28	2.03	1.41	1.54
12	2.37	1.80	2.10	2.93	7.52	8.76	8.42	5.84	2.34	2.18	---	1.46
13	2.33	1.77	2.08	3.08	7.94	8.61	8.20	6.16	2.52	2.26	1.40	1.45
14	2.29	1.76	2.09	3.15	8.26	8.38	8.19	6.25	2.88	2.21	1.38	1.51
15	2.27	1.75	2.17	3.23	8.49	8.28	8.32	6.04	3.24	2.13	1.36	1.65
16	2.23	1.74	2.31	3.30	8.66	8.27	8.40	5.77	3.39	2.07	---	1.85
17	2.21	1.73	2.49	3.38	8.70	8.25	8.38	5.48	3.36	2.01	---	2.39
18	2.20	1.71	2.64	3.48	8.53	8.20	8.43	5.09	3.14	1.94	---	3.25
19	2.17	1.70	2.66	3.55	8.25	8.21	8.47	4.90	2.83	1.85	---	3.73
20	2.15	1.70	2.61	3.60	8.01	8.28	8.48	4.73	2.58	1.77	---	3.95
21	2.14	1.70	2.56	3.54	7.87	8.26	8.46	4.55	2.41	1.81	---	4.15
22	2.11	1.69	2.59	3.44	7.80	8.00	8.37	4.42	2.37	2.00	---	4.03
23	2.07	1.71	2.66	3.33	7.50	7.73	8.21	4.37	2.27	2.11	---	3.64
24	2.04	1.75	2.71	3.36	6.76	7.53	7.97	4.36	2.21	2.07	---	3.32
25	2.02	1.77	2.77	3.87	6.16	7.43	---	4.41	2.23	2.07	---	3.14
26	1.99	1.82	2.84	4.75	6.01	7.37	---	4.47	2.29	1.99	---	3.02
27	1.94	1.85	2.88	5.27	5.88	7.40	---	4.30	2.31	1.86	1.57	3.02
28	1.92	1.88	2.87	5.58	5.55	7.45	---	4.03	2.26	1.79	1.83	3.29
29	1.90	1.96	2.83	5.73	---	7.52	---	3.80	2.17	1.71	2.01	3.57
30	1.87	2.14	2.79	6.03	---	7.56	---	3.62	2.11	1.70	2.14	3.60
31	1.84	---	2.78	6.51	---	7.57	---	3.44	---	1.72	2.68	---
MEAN	2.34	1.80	2.52	3.60	7.11	7.55	---	4.72	2.62	2.00	---	2.71
MAX	3.17	2.14	2.88	6.51	8.70	8.76	---	6.25	3.39	2.26	---	4.15
MIN	1.84	1.69	2.08	2.71	5.55	5.00	---	3.44	2.11	1.70	---	1.45