



2004 Water Year APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

Latitude: 31° 15 ' 33"

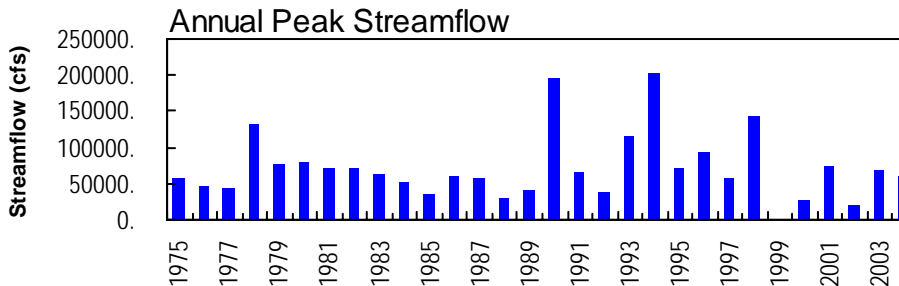
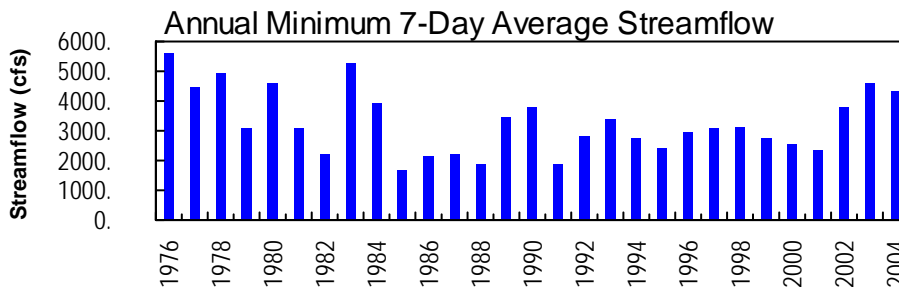
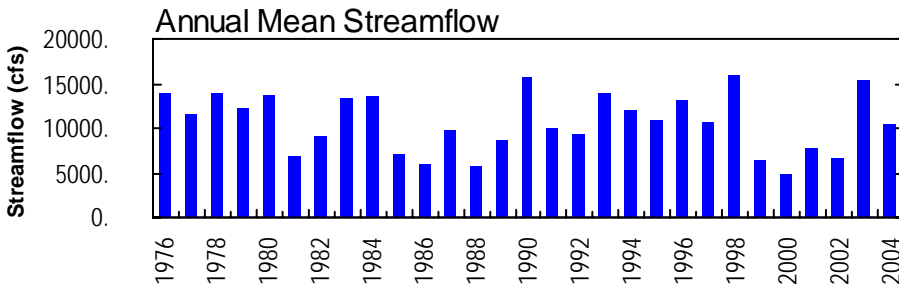
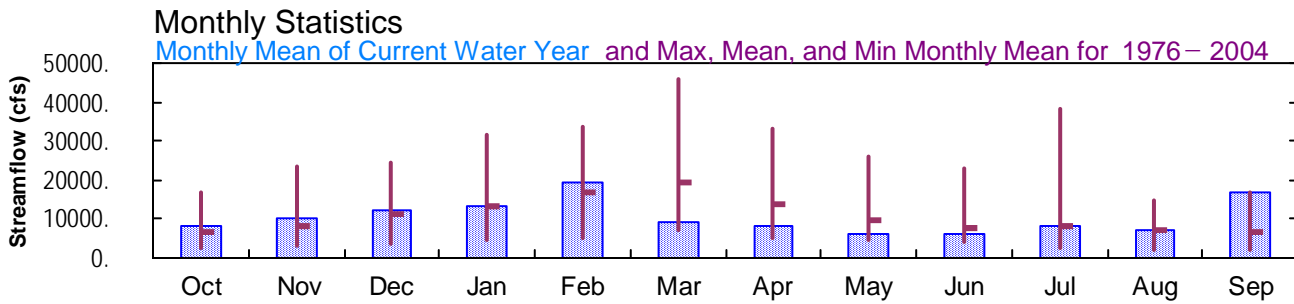
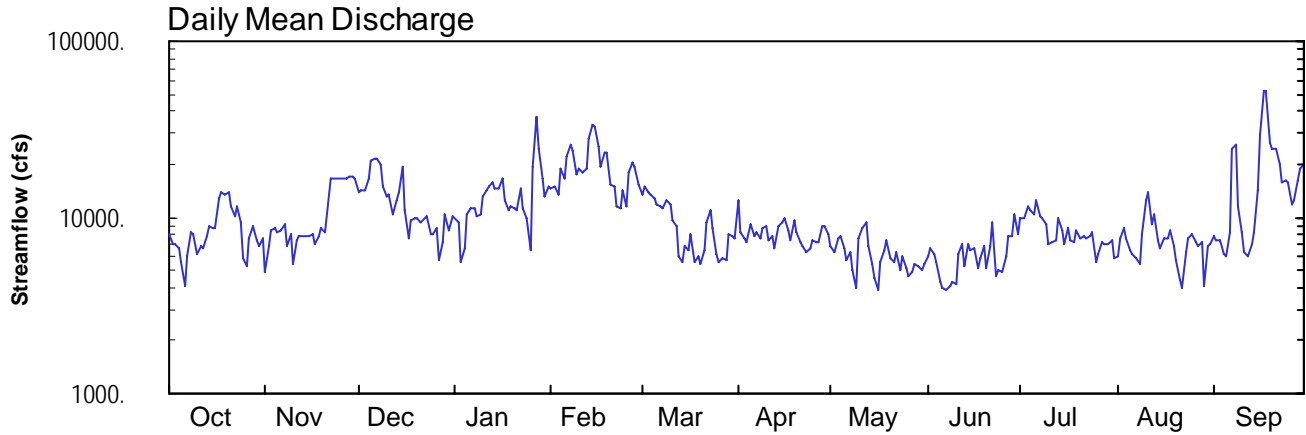
Longitude: 085° 06 ' 37"

Hydrologic Unit Code: 03130004

Early County

Datum: 0.00 feet

Drainage Area: 8210. mi²



NO PHOTOS AVAILABLE FOR THIS SITE

**APALACHICOLA RIVER BASIN
2004 Water Year**

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

LOCATION.—Lat 31°15'33", long 85°06'37" referenced to North American Datum (NAD) of 1927, Early County, GA-Houston County, AL, Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 miles downstream from Omusee Creek, 2.3 miles south of Columbia, AL, and at mile 46.5.

DRAINAGE AREA.—8,210 square miles, approximately.

COOPERATION.—U.S Army Corps of Engineers-Mobile District, Southern Nuclear Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except periods of estimated record, which are poor. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, AL, 2.4 miles upstream.

WATER-STAGE RECORD

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Headwater: Maximum gage-height recorded, 104.20 feet, September 17; minimum gage-height recorded, 99.68 feet, February 18. Tailwater: Maximum gage-height recorded, 101.78 feet, September 17; minimum gage-height recorded, 73.60 feet, February 17.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 1998 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

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

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
 LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Discharge, cubic feet per second
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8030	4950	14000	9910	14700	13600	12500	6880	5980	e9990	6040	7800
2	7100	6790	14300	9470	14900	15000	8280	6360	6620	9900	7580	7470
3	7080	8380	14300	e5570	13600	14000	7670	7680	6190	11500	8620	7340
4	6630	8640	16800	6620	18800	13400	7170	7870	5590	10900	7700	6110
5	5620	e8200	20900	10500	16700	12700	9190	6680	4300	10500	6590	5960
6	4100	8360	21400	11100	22400	11700	7800	5750	3990	12400	6260	8200
7	6040	9170	21300	11200	25800	11400	8250	6350	3860	10200	5890	24500
8	8270	6840	19900	e10100	24000	11300	7610	5030	4090	9930	5410	25800
9	7960	7970	15000	10300	17600	12500	8610	3950	4250	9060	7930	11400
10	6110	5370	13100	13100	18800	11700	8980	e7570	4150	7110	12400	8330
11	6850	7450	13600	14300	18100	9620	7430	8650	6170	7260	14000	6320
12	6600	7870	10400	15100	18900	8890	7810	9260	7000	7460	9140	6080
13	7780	7830	12600	15900	28000	5960	6750	6880	5340	9830	10500	7000
14	8850	7720	13800	14400	33200	5640	8920	5470	7050	8510	7380	8250
15	8680	7820	19300	14400	32900	6870	9310	4520	e6520	7050	6720	14100
16	8650	7950	11000	16500	24900	6430	9980	3900	6600	8570	7660	29300
17	12900	7080	7560	12400	e19400	7940	8420	5560	e5170	7500	7570	52600
18	14000	7850	e9640	11000	23400	5570	7410	6540	5850	7280	8490	51600
19	13500	8690	9930	11400	23200	6010	9500	7320	6850	8480	6900	26600
20	14000	8250	9900	11100	15300	5430	8240	5890	5190	7520	5730	24800
21	11600	10300	9460	11000	15100	6470	7280	5560	6850	7770	4450	24400
22	10100	16600	9890	14400	11400	9420	6890	6400	9470	7560	3980	19900
23	11400	16600	10200	11300	11300	10900	6410	e5010	4620	e7860	6380	15900
24	9370	16400	8000	9770	14300	8570	e6720	e5980	4960	8130	7540	16200
25	5900	16600	8050	6430	11400	6210	7420	5150	4870	5570	7970	15700
26	5330	16600	8670	19500	17900	5510	7140	4650	6030	6260	7300	11900
27	7560	16500	5670	37400	20300	5830	7160	4910	7840	7230	6910	12400
28	8990	16900	7230	24300	19600	5760	8940	5380	7860	7120	e7190	16200
29	e7480	17000	10400	16500	15300	8100	8980	5240	10500	7020	4100	18900
30	6890	16500	8410	13100	---	7750	7970	5070	7980	7320	6790	19700
31	7570	---	10200	e14800	---	7600	---	5390	---	5820	7060	---
TOTAL	260940	313180	384910	412870	561200	277780	244740	186850	181740	258610	228180	510760
MEAN	8417	10440	12420	13320	19350	8961	8158	6027	6058	8342	7361	17030
MAX	14000	17000	21400	37400	33200	15000	12500	9260	10500	12400	14000	52600
MIN	4100	4950	5670	5570	11300	5430	6410	3900	3860	5570	3980	5960
CFSM	1.03	1.27	1.51	1.62	2.36	1.09	0.99	0.73	0.74	1.02	0.90	2.07
IN.	1.18	1.42	1.74	1.87	2.54	1.26	1.11	0.85	0.82	1.17	1.03	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	6394	8010	10980	13090	16800	19340	13530	9929	7895	8340	7282	6625
MAX	16730	23290	24660	31670	33800	45900	33400	25820	22920	38070	14550	17030
(WY)	1976	1993	1993	1978	1998	1990	1979	2003	2003	1994	1984	2004
MIN	2385	2998	3655	4726	4856	6912	4957	4536	3946	2425	2045	2265
(WY)	1987	1982	2000	1981	1989	2000	1999	1999	2000	1988	1988	1986

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1976 - 2004

ANNUAL TOTAL	5682510	3821760		
ANNUAL MEAN	15570	10440	10660	
HIGHEST ANNUAL MEAN			16050	1998
LOWEST ANNUAL MEAN			4950	2000
HIGHEST DAILY MEAN	66300	May 11	52600	Sep 17
LOWEST DAILY MEAN	4100	Oct 6	3860	Jun 7
ANNUAL SEVEN-DAY MINIMUM	6370	Oct 1	4320	Jun 4
MAXIMUM PEAK FLOW			60700	Sep 17
MAXIMUM PEAK STAGE			101.78	Sep 17
ANNUAL RUNOFF (CFSM)	1.90		1.27	
ANNUAL RUNOFF (INCHES)	25.75		17.32	
10 PERCENT EXCEEDS	30400		17700	21300
50 PERCENT EXCEEDS	11600		8250	8330
90 PERCENT EXCEEDS	7350		5560	1980

e Estimated

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

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 LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102.16	102.20	102.57	102.42	102.07	102.28	102.46	102.02	101.47	102.14	102.04	102.10
2	102.08	102.32	102.35	102.27	101.87	102.25	102.25	102.20	102.03	102.32	102.11	102.04
3	102.16	101.90	102.58	---	102.25	101.86	102.14	102.06	101.80	102.48	102.21	101.90
4	102.12	102.31	102.64	102.22	102.01	102.10	102.53	101.44	101.79	102.45	102.02	101.98
5	101.70	101.96	102.66	102.40	102.25	102.22	102.20	101.97	101.74	102.32	102.13	102.08
6	101.50	102.18	102.57	102.17	101.77	102.38	102.05	102.23	101.74	102.17	102.06	101.54
7	101.96	102.42	102.58	102.18	100.82	102.27	102.24	101.98	101.49	102.31	102.11	101.28
8	102.38	101.99	102.56	---	100.52	102.39	102.04	102.05	101.74	102.39	101.83	100.76
9	102.23	102.07	102.56	102.17	101.43	102.03	102.15	102.00	101.74	102.41	101.66	101.79
10	102.29	102.19	102.38	102.24	101.37	102.06	102.05	102.12	101.73	102.30	102.02	102.01
11	102.51	102.67	102.54	102.42	101.51	102.12	102.11	102.17	101.86	102.16	102.24	102.06
12	102.43	102.77	102.41	102.13	101.92	102.27	101.97	102.14	101.96	102.21	102.26	102.21
13	102.72	102.75	102.52	102.51	101.56	102.12	101.77	102.15	101.89	102.24	102.31	102.17
14	102.87	102.69	102.36	102.25	100.47	102.24	102.27	102.04	101.94	102.26	102.30	102.21
15	102.30	102.74	102.50	102.28	100.78	102.21	102.20	101.85	---	102.16	102.08	102.14
16	102.43	102.75	102.34	102.39	100.95	102.22	102.21	101.74	102.01	102.17	102.32	101.37
17	102.44	102.54	102.38	102.15	101.68	102.11	101.65	101.80	102.04	102.28	102.04	103.09
18	102.52	102.68	102.56	102.17	100.88	102.26	101.82	101.95	102.07	102.32	102.25	103.25
19	102.48	102.79	102.42	102.43	100.68	102.22	101.85	102.06	102.23	102.23	101.81	102.03
20	102.48	102.80	102.47	102.05	101.67	102.09	102.00	101.81	102.08	102.28	101.92	101.30
21	101.82	102.78	102.29	102.07	101.81	101.86	101.79	102.00	102.18	102.25	102.16	100.82
22	102.35	102.65	102.20	102.26	102.11	102.18	102.09	102.11	101.98	102.16	101.79	100.71
23	102.04	102.65	102.01	102.28	102.14	102.13	102.00	102.02	102.22	---	102.06	100.96
24	102.08	102.71	102.27	102.35	101.98	102.18	---	101.98	102.39	102.10	101.98	101.04
25	102.09	102.80	102.19	102.20	102.29	102.19	101.70	101.57	102.45	102.07	102.09	101.39
26	101.94	102.79	102.15	101.72	102.22	102.20	101.39	101.61	102.57	102.27	102.02	101.17
27	102.10	102.77	101.96	101.05	101.27	101.92	101.82	101.67	102.51	102.15	102.00	101.70
28	102.33	102.84	102.15	101.28	101.13	101.88	101.93	101.33	102.38	102.18	101.91	102.23
29	102.40	102.74	102.10	101.80	102.28	101.54	101.61	101.28	102.27	102.25	101.87	101.94
30	102.20	102.53	102.14	102.34	---	102.03	101.88	101.83	102.17	102.32	101.73	101.22
31	102.28	---	102.33	---	---	102.19	---	100.95	---	102.22	101.97	---
MEAN	102.24	102.53	102.38	---	101.58	102.13	---	101.88	---	---	102.04	101.75
MAX	102.87	102.84	102.66	---	102.29	102.39	---	102.23	---	---	102.32	103.25
MIN	101.50	101.90	101.96	---	100.47	101.54	---	100.95	---	---	101.66	100.71

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 LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Precipitation, total, inches
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.02	0.65	0.04	0.01	0.41
2	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.79	0.25	0.01	0.01	0.00
3	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.54	0.00	0.00	0.00
4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.00	0.00
5	0.00	0.07	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.01	2.36	0.02	0.00	0.00	0.00	0.00	0.00	1.15
7	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.00	0.09
8	0.00	0.00	0.00	0.01	0.00	0.00	0.43	0.00	0.58	0.06	0.00	0.00
9	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.02	0.00	0.23	0.00	0.08	0.00	0.00	0.00	0.05	0.00	0.26	0.04
11	0.43	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.02	0.49
12	0.15	0.00	0.00	0.00	0.58	0.00	0.29	1.12	0.00	0.23	0.35	0.00
13	0.00	0.00	0.70	0.00	0.02	0.00	0.25	0.16	1.52	1.14	0.00	0.09
14	0.00	0.00	0.09	0.00	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	2.28	0.00	0.26
16	0.00	0.00	0.05	0.00	0.00	0.10	0.00	0.04	0.22	0.01	0.37	1.96
17	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.03	0.11	0.01	0.00	0.00
18	0.00	0.75	0.00	0.06	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
19	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.14	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
23	0.00	0.00	0.26	0.00	0.52	0.00	0.00	0.00	0.15	0.00	0.00	0.00
24	0.00	0.20	0.00	0.00	0.18	0.00	0.00	0.00	0.04	0.00	0.00	0.00
25	0.00	0.00	0.00	0.01	0.43	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	0.55	0.00	0.00	0.66	0.18	0.00	0.05	0.00	1.59	0.02	0.00	0.00
27	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.01	0.00	1.53
28	0.69	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.78	0.00	0.00	0.31	0.14	0.00
30	0.00	0.00	0.06	0.00	---	0.17	1.83	0.00	0.00	0.05	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.80	---	0.01	0.09	---
TOTAL	1.92	2.21	1.57	1.27	6.24	0.29	3.74	3.72	6.59	4.24	1.78	6.02
WTR YR 2004	TOTAL 39.59											