



2004 Water Year  
ALTAMAHA RIVER BASIN

**02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA**

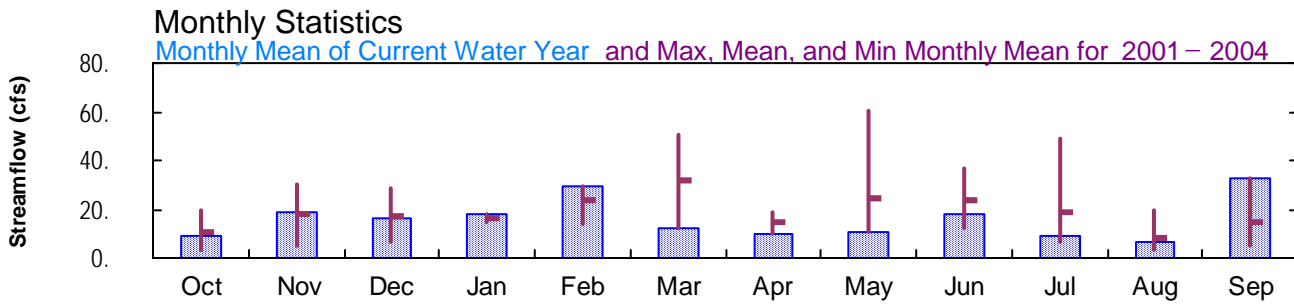
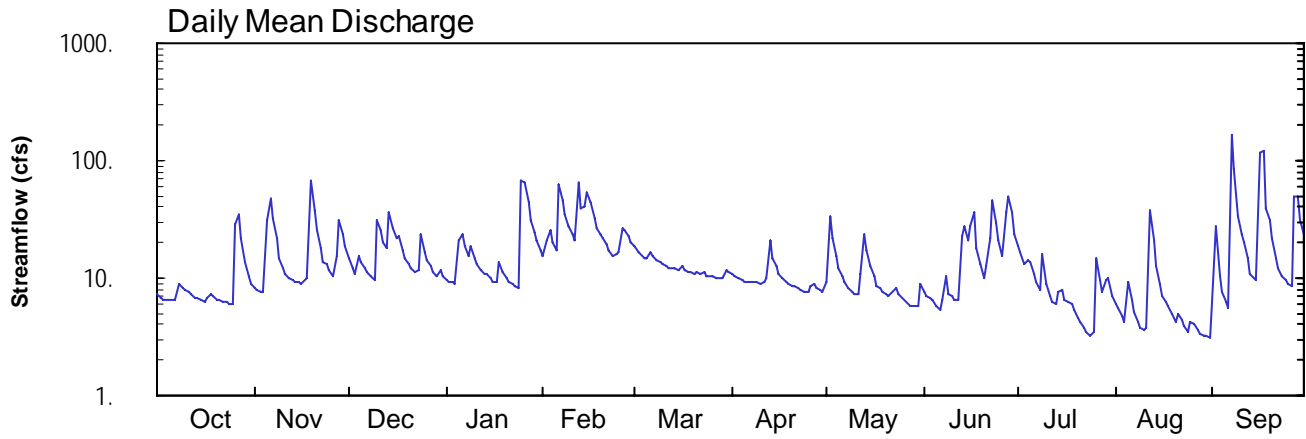
Latitude: 33° 46 ' 41"  
Gwinnett County

Longitude: 084° 02 ' 17"

Datum: 735 feet

Hydrologic Unit Code: 03070103

Drainage Area: 10.1 mi<sup>2</sup>



**ALTAMAHA RIVER BASIN  
2004 Water Year**

**02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA**

**LOCATION.**—Lat 33°46'41", long 84°02'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 5.0 feet downstream of bridge on County Road 135, and 3.4 miles east of Centerville.

**DRAINAGE AREA.**—10.1 square miles.

**COOPERATION.**—Gwinnett County Department of Public Utilities.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—March 1, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records good.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—March 1, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 9.59 feet, September 16; minimum gage-height recorded, 1.76 feet, August 31, September 1.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—March 1, 2001 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records fair.

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

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1\* DATUM 735 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	e7.3	8.1	15	9.8	15	18	11	9.1	7.7	19	6.1	6.2
2	e6.8	7.8	12	9.4	21	17	10	34	7.1	17	5.5	27
3	6.6	7.7	11	9.1	25	16	9.9	22	6.6	13	4.8	11
4	6.5	7.6	15	8.8	21	15	9.7	15	6.4	14	4.2	7.7
5	6.5	31	13	21	17	15	9.3	12	5.8	14	9.1	6.3
6	6.4	48	12	24	62	17	9.1	10	5.5	11	6.6	5.6
7	e6.5	32	11	19	47	16	9.1	9.2	6.5	9.1	5.1	165
8	e9.0	21	10	15	35	14	9.2	8.2	10	8.0	4.2	87
9	8.3	15	9.8	18	27	14	9.1	7.7	7.4	16	3.8	33
10	7.8	12	31	15	23	13	9.0	7.3	7.1	8.8	3.6	e24
11	7.6	11	25	13	21	13	9.2	7.2	6.5	6.9	3.7	e20
12	7.3	10	20	12	66	12	10	11	6.5	6.3	37	e15
13	6.8	9.7	18	11	39	12	21	23	23	6.0	21	e11
14	6.7	9.4	36	11	42	12	15	17	28	7.5	13	10
15	6.5	9.1	26	9.8	54	12	12	13	21	7.8	8.9	9.6
16	6.1	9.0	22	9.2	44	12	11	10	27	6.6	7.1	e115
17	6.7	9.5	23	9.1	32	12	10	8.7	36	6.2	6.3	122
18	7.4	9.9	18	14	27	11	9.4	8.3	18	6.1	5.7	40
19	6.9	67	15	11	24	11	8.9	7.7	13	5.3	4.9	32
20	6.5	38	13	10	21	11	8.7	7.3	10	4.5	4.3	22
21	6.4	25	12	9.3	20	11	8.5	7.0	13	4.3	5.0	15
22	6.4	18	11	8.9	17	11	8.2	7.5	22	3.8	4.4	12
23	6.2	14	12	8.7	16	11	7.9	8.1	45	3.5	3.9	11
24	6.1	13	24	8.2	16	11	7.7	7.5	30	3.3	3.5	9.5
25	6.1	12	17	68	17	10	7.6	6.9	21	3.6	4.3	8.8
26	28	10	14	65	27	10	8.6	6.4	15	15	4.1	8.5
27	35	16	13	44	25	9.9	8.8	6.1	36	9.5	3.7	50
28	22	31	11	32	23	9.9	8.2	5.8	49	7.5	3.3	50
29	14	24	11	25	20	9.8	7.9	5.8	36	9.7	3.2	32
30	10	19	12	21	---	12	7.7	5.9	23	10	3.2	24
31	8.9	---	10	17	---	11	---	8.9	---	7.0	3.2	---
TOTAL	289.3	554.8	502.8	566.3	844	389.6	291.7	323.6	549.1	270.3	206.7	990.2
MEAN	9.33	18.5	16.2	18.3	29.1	12.6	9.72	10.4	18.3	8.72	6.67	33.0
MAX	35	67	36	68	66	18	21	34	49	19	37	165
MIN	6.1	7.6	9.8	8.2	15	9.8	7.6	5.8	5.5	3.3	3.2	5.6
AC-FT	574	1100	997	1120	1670	773	579	642	1090	536	410	1960
CFSM	0.92	1.83	1.61	1.81	2.88	1.24	0.96	1.03	1.81	0.86	0.66	3.27
IN.	1.07	2.04	1.85	2.09	3.11	1.43	1.07	1.19	2.02	1.00	0.76	3.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004
MEAN	10.9	17.9	17.0	16.7
MAX	19.7	30.0	28.5	18.3
(WY)	2003	2003	2003	2004
MIN	3.57	5.12	6.30	15.0
(WY)	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2001 - 2004

ANNUAL TOTAL	10136.1	5778.4	
ANNUAL MEAN	27.8	15.8	19.1
HIGHEST ANNUAL MEAN			30.6
LOWEST ANNUAL MEAN			10.8
HIGHEST DAILY MEAN	475 May 6	165 Sep 7	475 May 6 2003
LOWEST DAILY MEAN	5.2 Sep 19	3.2 Aug 29 a	1.4 Sep 23 2001
ANNUAL SEVEN-DAY MINIMUM	5.5 Sep 15	3.6 Aug 25	2.0 Aug 8 2002
MAXIMUM PEAK FLOW			1400 May 6 2003
MAXIMUM PEAK STAGE		9.59 Sep 16	10.20 May 6 2003
ANNUAL RUNOFF (AC-FT)	20100	11460	13830
ANNUAL RUNOFF (CFSM)	2.75	1.56	1.89
ANNUAL RUNOFF (INCHES)	37.33	21.28	25.68
10 PERCENT EXCEEDS	46	31	36
50 PERCENT EXCEEDS	17	11	11
90 PERCENT EXCEEDS	7.4	6.1	4.4

e Estimated  
 a Also Aug 30,31

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

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1\* DATUM 735 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	---	1.95	2.18	2.05	2.19	2.22	2.02	1.96	1.90	2.26	1.90	1.90
2	---	1.93	2.12	2.03	2.32	2.18	2.00	2.59	1.87	2.22	1.87	2.45
3	1.88	1.93	2.08	2.02	2.41	2.16	1.99	2.30	1.85	2.14	1.85	2.07
4	1.88	1.92	2.19	2.02	2.29	2.14	1.98	2.15	1.84	2.16	1.83	1.98
5	1.88	2.42	2.15	2.30	2.23	2.13	1.97	2.06	1.81	2.15	1.97	1.91
6	1.87	2.94	2.11	2.37	3.10	2.18	1.97	2.00	1.79	2.07	1.92	1.87
7	---	2.57	2.08	2.26	2.90	2.16	1.96	1.96	1.83	2.02	1.86	4.64
8	---	2.30	2.06	2.19	2.62	2.13	1.97	1.92	1.99	1.98	1.83	3.66
9	1.95	2.16	2.05	2.26	2.45	2.11	1.96	1.90	1.88	2.17	1.82	2.60
10	1.93	2.08	2.53	2.19	2.34	2.09	1.95	1.88	1.87	2.01	1.81	2.42
11	1.92	2.04	2.41	2.14	2.27	2.08	1.96	1.88	1.84	1.94	1.81	2.31
12	1.91	2.02	2.29	2.10	3.24	2.07	1.99	1.98	1.84	1.91	2.63	2.22
13	1.89	2.01	2.25	2.08	2.73	2.06	2.28	2.34	2.24	1.90	2.31	2.12
14	1.88	1.99	2.65	2.08	2.79	2.06	2.14	2.19	2.45	1.94	2.13	2.05
15	1.88	1.98	2.43	2.05	3.05	2.05	2.07	2.08	2.30	1.98	2.02	2.04
16	1.86	1.98	2.32	2.03	2.83	2.07	2.02	2.00	2.40	1.93	1.95	4.19
17	1.89	2.00	2.34	2.02	2.55	2.05	1.99	1.94	2.64	1.91	1.91	4.31
18	1.91	2.01	2.24	2.16	2.43	2.04	1.97	1.93	2.24	1.90	1.88	3.02
19	1.89	3.25	2.18	2.09	2.35	2.04	1.95	1.90	2.14	1.87	1.85	2.84
20	1.88	2.70	2.13	2.06	2.29	2.03	1.94	1.88	2.05	1.84	1.83	2.58
21	1.87	2.40	2.11	2.03	2.24	2.04	1.93	1.87	2.12	1.83	1.86	2.39
22	1.87	2.24	2.09	2.02	2.20	2.02	1.92	1.89	2.29	1.82	1.84	2.31
23	1.86	2.15	2.10	2.01	2.16	2.03	1.91	1.92	2.83	1.80	1.82	2.25
24	1.86	2.14	2.37	1.99	2.17	2.01	1.91	1.89	2.51	1.79	1.80	2.21
25	1.86	2.10	2.22	3.28	2.18	2.00	1.90	1.86	2.30	1.80	1.83	2.18
26	2.41	2.06	2.16	3.29	2.42	2.00	1.94	1.84	2.19	2.16	1.82	2.16
27	2.64	2.18	2.12	2.84	2.38	1.99	1.95	1.82	2.62	2.04	1.81	2.99
28	2.31	2.55	2.09	2.55	2.32	1.99	1.92	1.81	2.93	1.97	1.80	3.21
29	2.13	2.37	2.07	2.39	2.26	1.99	1.91	1.80	2.66	2.01	1.79	2.84
30	2.03	2.26	2.10	2.30	---	2.05	1.91	1.81	2.35	2.05	1.79	2.63
31	1.98	---	2.06	2.23	---	2.03	---	1.93	---	1.95	1.79	---
MEAN	---	2.22	2.20	2.24	2.47	2.07	1.98	1.98	2.19	1.98	1.90	2.61
MAX	---	3.25	2.65	3.29	3.24	2.22	2.28	2.59	2.93	2.26	2.63	4.64
MIN	---	1.92	2.05	1.99	2.16	1.99	1.90	1.80	1.79	1.79	1.79	1.87

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 LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1\* DATUM 735 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	0.00	0.45	0.00	0.12	0.00	0.95
2	---	0.00	0.00	---	0.68	0.00	0.00	0.46	0.00	0.05	0.04	0.35
3	---	---	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00
4	---	---	0.47	0.00	0.05	0.00	0.00	0.00	0.00	0.45	0.00	0.00
5	---	1.58	---	0.77	---	0.00	0.00	0.00	0.00	0.00	0.73	0.00
6	---	0.18	---	---	1.16	0.22	0.00	0.00	0.00	0.02	0.01	0.21
7	---	0.03	0.00	---	---	0.00	0.00	0.00	0.43	0.04	0.00	4.13
8	---	0.00	---	0.05	0.00	0.00	0.03	0.00	0.41	0.01	0.00	0.03
9	---	0.00	0.00	0.31	---	0.00	0.00	0.03	0.02	1.53	0.00	0.01
10	---	0.00	0.96	---	---	0.01	0.00	0.01	0.00	0.00	0.00	0.00
11	---	---	0.00	0.00	0.23	0.00	0.10	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.02	0.00	0.43	0.78	0.75	0.00	1.52	0.00
13	0.00	0.00	0.49	0.00	---	0.00	0.39	0.09	0.78	0.00	0.00	0.00
14	---	---	0.27	---	0.57	0.00	0.01	0.01	0.45	0.32	0.00	0.00
15	---	0.00	0.00	---	---	0.00	0.00	0.00	0.18	0.01	0.00	0.00
16	---	0.00	0.09	---	---	0.09	0.00	0.02	2.11	0.00	0.00	3.25
17	0.20	0.07	0.24	0.26	---	0.00	0.00	0.00	0.01	0.19	0.00	0.23
18	---	0.49	---	0.14	---	0.01	0.00	0.00	0.00	0.01	0.00	0.00
19	0.00	1.01	0.00	---	---	0.00	0.00	0.06	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00
21	---	0.00	0.00	---	---	0.10	0.00	0.00	0.65	0.00	0.01	0.00
22	0.00	0.00	0.00	---	---	0.00	0.00	0.35	1.29	0.00	0.00	0.00
23	0.00	---	0.57	0.00	---	0.00	0.00	0.00	0.75	0.00	0.00	0.00
24	0.00	0.24	0.02	---	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	---	0.00	2.12	---	0.00	0.00	0.00	0.17	0.87	0.00	0.00
26	1.57	---	0.00	0.09	0.33	0.00	0.26	0.00	0.00	0.18	0.00	0.00
27	---	0.86	0.00	---	0.38	0.00	0.00	0.00	1.78	0.21	0.00	2.15
28	---	0.40	0.00	---	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.02
29	0.00	---	0.07	---	0.00	0.00	0.00	0.00	0.01	0.67	0.00	0.00
30	---	0.00	0.09	---	---	0.39	0.03	0.00	0.14	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.45	---	0.00	0.01	---
TOTAL	---	---	---	---	---	0.96	1.25	2.71	10.62	4.68	2.36	11.33