



2004 Water Year  
APALACHICOLA RIVER BASIN

**02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA**

Latitude: 33° 20 ' 26"

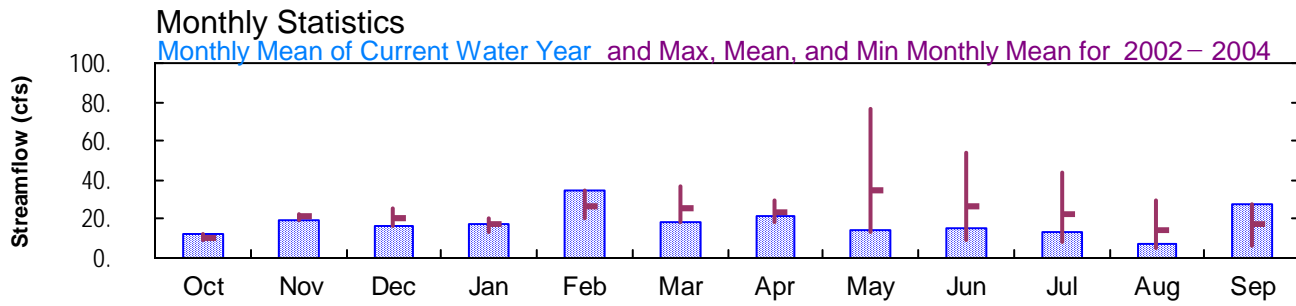
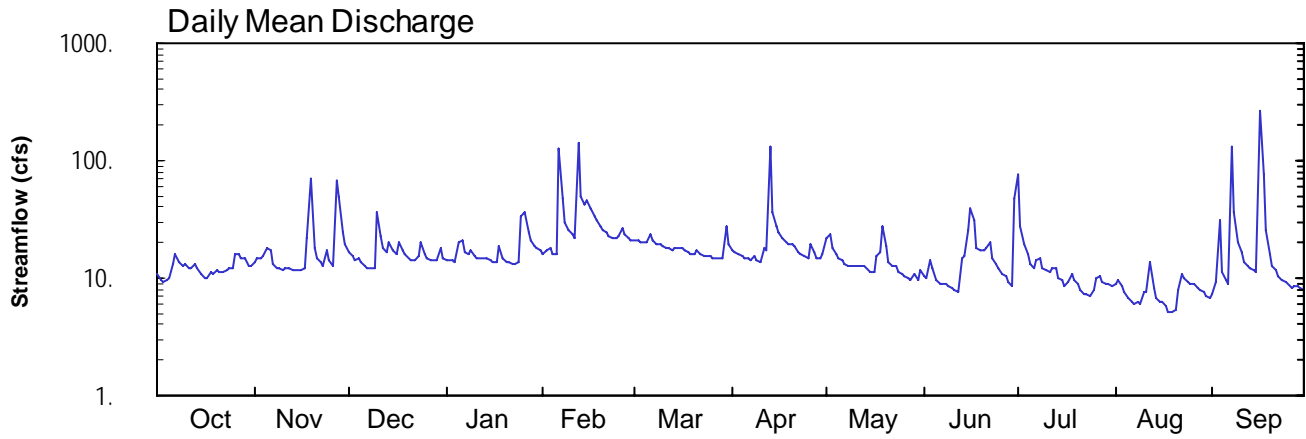
Longitude: 085° 13 ' 37"

Hydrologic Unit Code: 03130002

Heard County

Datum: 910.00 feet

Drainage Area: 16.8 mi<sup>2</sup>



**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA**

**LOCATION.**—Lat 33°20'26", long 85°13'37" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on right bank, downstream side of bridge, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

**DRAINAGE AREA.**—16.8 square miles.

**COOPERATION.**—USGS National Water-Quality Assessment Program.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—December 13, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records poor.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—December 13, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records poor.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 6.59 feet, September 16; minimum gage-height recorded, 1.76 feet, August 18, 19.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—November 28, 2001 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

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

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149  
 LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8\* DATUM 910.00 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	11	14	17	14	16	21	17	22	10	76	e9.0	7.4
2	9.7	15	15	14	18	21	16	23	10	27	e9.5	9.1
3	9.4	15	14	14	18	20	16	18	14	20	e8.5	31
4	9.6	15	15	14	16	20	15	16	12	16	e7.5	11
5	10	18	14	20	16	20	15	15	9.7	13	6.8	9.6
6	13	e17	13	21	124	24	15	14	9.0	e12	6.3	8.9
7	16	13	12	17	47	21	14	13	8.7	e14	6.0	132
8	14	12	12	16	30	20	15	12	8.8	15	6.2	36
9	13	12	12	17	26	19	14	13	8.6	12	5.9	20
10	13	12	37	16	23	19	14	13	8.4	12	7.6	16
11	12	12	22	15	22	18	18	13	8.0	11	7.7	14
12	12	12	18	15	142	18	17	12	7.6	12	13	13
13	13	12	17	15	49	18	130	12	15	12	8.3	12
14	12	11	21	15	43	18	36	12	15	10	6.7	12
15	11	12	17	14	46	18	27	11	25	9.7	6.2	11
16	10	12	16	14	39	18	24	11	39	8.7	6.2	e270
17	10	12	20	14	33	17	22	15	31	9.1	5.8	77
18	11	21	17	19	30	17	20	16	18	11	5.2	25
19	11	71	16	15	28	16	19	27	17	9.7	5.1	16
20	11	18	15	14	26	16	19	19	17	8.9	5.3	13
21	11	15	14	14	25	17	18	14	18	7.8	e8.0	12
22	11	13	14	13	23	16	17	13	e20	7.4	e11	11
23	12	13	16	13	22	16	16	12	e15	7.4	e10	9.7
24	12	17	20	14	22	16	15	11	13	7.1	9.1	9.2
25	12	14	16	33	23	15	15	11	12	8.0	8.8	8.7
26	16	13	15	37	27	15	19	10	11	9.9	9.1	8.3
27	16	66	14	25	23	15	17	9.9	10	10	8.2	8.6
28	15	49	14	21	22	15	15	9.8	9.3	9.2	8.0	8.7
29	15	24	14	19	21	15	14	11	8.7	8.7	7.5	8.3
30	13	19	18	18	---	28	16	9.6	47	8.9	7.1	7.9
31	13	---	15	17	---	19	---	12	---	8.7	6.7	---
TOTAL	377.7	579	510	537	1000	566	645	430.3	455.8	412.2	236.3	836.4
MEAN	12.2	19.3	16.5	17.3	34.5	18.3	21.5	13.9	15.2	13.3	7.62	27.9
MAX	16	71	37	37	142	28	130	27	47	76	13	270
MIN	9.4	11	12	13	16	15	14	9.6	7.6	7.1	5.1	7.4
MED	12	14	15	15	25	18	17	13	12	10	7.5	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	10.4	21.0	20.7	16.9	26.7	25.7	23.2	34.8	26.2	22.0	14.1	17.6
MAX	12.2	22.6	25.0	20.3	34.5	37.1	29.8	76.9	54.0	44.3	29.9	27.9
(WY)	2004	2003	2003	2002	2004	2003	2003	2003	2003	2003	2003	2004
MIN	8.68	19.3	16.5	13.2	20.1	18.3	18.2	13.7	9.49	8.37	4.60	6.62
(WY)	2003	2004	2004	2003	2002	2004	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2002 - 2004

ANNUAL TOTAL	11486.7	6585.7	
ANNUAL MEAN	31.5	18.0	25.1
HIGHEST ANNUAL MEAN			32.2
LOWEST ANNUAL MEAN			18.0
HIGHEST DAILY MEAN	390	May 8	e 270 Sep 16
LOWEST DAILY MEAN	9.4	Oct 3	5.1 Aug 19
ANNUAL SEVEN-DAY MINIMUM	11	Oct 15	5.8 Aug 14
MAXIMUM PEAK STAGE			6.59 Sep 16
10 PERCENT EXCEEDS	49		25
50 PERCENT EXCEEDS	24		14
90 PERCENT EXCEEDS	12		8.6

e Estimated

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

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 LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8\* DATUM 910.00 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	1.99	2.05	2.12	2.07	2.10	2.19	2.13	2.16	1.94	2.61	---	1.85
2	1.97	2.07	2.09	2.06	2.13	2.18	2.11	2.19	1.93	2.24	---	1.90
3	1.96	2.08	2.07	2.06	2.13	2.18	2.10	2.09	2.01	2.13	---	2.22
4	1.96	2.09	2.07	2.05	2.10	2.17	2.09	2.06	1.97	2.06	---	1.95
5	1.97	2.13	2.05	2.16	2.10	2.17	2.08	2.04	1.92	2.00	1.83	1.91
6	2.03	---	2.03	2.18	2.87	2.23	2.07	2.02	1.90	---	1.82	1.89
7	2.11	2.04	2.02	2.11	2.51	2.19	2.06	2.00	1.89	---	1.81	2.96
8	2.06	2.02	2.02	2.10	2.33	2.16	2.08	1.98	1.89	2.04	1.82	2.34
9	2.04	2.02	2.02	2.13	2.26	2.16	2.06	1.99	1.89	1.98	1.81	2.14
10	2.05	2.01	2.37	2.09	2.22	2.15	2.05	1.99	1.88	1.97	1.86	2.07
11	2.03	2.01	2.21	2.08	2.20	2.14	2.13	1.99	1.87	1.95	1.86	2.02
12	2.03	2.02	2.13	2.08	3.03	2.14	2.12	1.99	1.86	1.98	1.99	1.99
13	2.04	2.01	2.11	2.07	2.53	2.13	2.93	1.99	1.99	1.98	1.88	1.98
14	2.03	2.00	2.18	2.07	2.47	2.13	2.35	1.98	2.04	1.93	1.83	1.96
15	1.99	2.01	2.12	2.07	2.50	2.14	2.25	1.96	2.16	1.92	1.82	1.96
16	1.98	2.00	2.10	2.05	2.43	2.14	2.20	1.95	2.30	1.89	1.82	3.28
17	1.98	2.01	2.17	2.06	2.36	2.12	2.17	2.03	2.28	1.90	1.80	2.81
18	2.01	2.11	2.13	2.15	2.33	2.11	2.14	2.07	2.10	1.94	1.78	2.35
19	2.00	2.60	2.10	2.08	2.30	2.10	2.12	2.23	2.08	1.91	1.78	2.20
20	2.01	2.14	2.08	2.06	2.27	2.10	2.12	2.11	2.08	1.89	1.79	2.13
21	2.01	2.07	2.07	2.05	2.25	2.12	2.10	2.01	2.10	1.86	---	2.11
22	2.01	2.05	2.06	2.05	2.22	2.09	2.08	1.99	---	1.85	---	2.08
23	2.01	2.04	2.09	2.04	2.21	2.09	2.06	1.98	---	1.85	---	2.06
24	2.02	2.12	2.18	2.05	2.20	2.09	2.05	1.96	2.00	1.84	1.90	2.04
25	2.03	2.06	2.10	2.31	2.22	2.09	2.04	1.95	1.98	1.87	1.89	2.03
26	2.10	2.03	2.08	2.40	2.28	2.08	2.12	1.93	1.94	1.92	1.90	2.02
27	2.10	2.48	2.07	2.25	2.23	2.08	2.07	1.92	1.93	1.93	1.87	2.02
28	2.08	2.52	2.06	2.18	2.21	2.08	2.04	1.92	1.90	1.90	1.87	2.03
29	2.08	2.24	2.06	2.15	2.19	2.08	2.03	1.95	1.89	1.89	1.85	2.02
30	2.03	2.16	2.14	2.14	---	2.28	2.05	1.91	2.22	1.89	1.84	2.01
31	2.03	---	2.08	2.12	---	2.16	---	1.97	---	1.89	1.83	---
MEAN	2.02	---	2.10	2.11	2.32	2.14	2.13	2.01	---	---	---	2.14
MAX	2.11	---	2.37	2.40	3.03	2.28	2.93	2.23	---	---	---	3.28
MIN	1.96	---	2.02	2.04	2.10	2.08	2.03	1.91	---	---	---	1.85

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 LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8\* DATUM 910.00 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	0.00	0.00	0.01	0.73	0.00	0.09	0.19	0.19
2	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.20	0.00	0.39	---	0.23
3	0.00	0.00	0.04	0.00	0.06	0.00	0.00	0.00	0.47	0.00	0.00	0.82
4	0.00	0.12	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00
5	0.00	0.11	0.01	0.76	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
6	0.48	---	0.00	0.00	1.96	0.31	0.00	0.00	0.00	---	0.00	0.23
7	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	3.32
8	0.02	0.00	0.00	0.06	0.00	0.00	0.18	0.00	0.01	0.00	0.00	0.04
9	0.00	0.00	0.00	0.19	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
10	0.09	0.00	1.26	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.34	0.00
11	0.00	0.00	0.01	0.00	0.25	0.00	0.37	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.32	0.00	1.67	0.00	0.00	0.15	0.93	0.00
13	0.00	0.00	0.44	0.00	0.00	0.00	0.14	0.02	1.35	0.00	0.00	0.00
14	0.03	0.00	0.04	0.01	0.39	0.00	0.00	0.00	0.18	0.16	0.00	0.00
15	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	1.21	0.00	0.00	0.00
16	0.00	0.14	0.41	0.00	0.00	0.02	0.00	0.02	0.52	0.00	0.00	3.27
17	0.09	0.00	0.03	0.44	0.02	0.00	0.00	0.47	0.00	0.09	0.00	0.17
18	0.00	2.41	0.00	0.04	0.00	0.00	0.00	0.47	0.04	0.20	0.01	0.00
19	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.47	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	0.29	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.06	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.42	0.00	---	0.00
23	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
24	0.00	0.60	0.00	0.07	0.02	0.00	0.00	0.00	0.05	0.00	0.05	0.00
25	0.00	0.00	0.00	1.42	0.27	0.00	0.00	0.00	0.03	0.55	0.02	0.00
26	0.24	0.00	0.00	0.03	0.47	0.00	0.48	0.00	0.00	0.32	0.00	0.00
27	0.00	2.07	0.01	0.01	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.30
28	0.00	0.09	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00
29	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00
30	0.00	0.00	0.02	0.00	---	1.10	0.38	0.00	1.32	0.00	0.00	0.00
31	0.00	---	0.01	0.00	---	0.12	---	0.40	---	0.00	0.00	---
TOTAL	1.17	---	3.48	3.03	5.56	1.70	3.24	---	5.93	---	---	8.57