



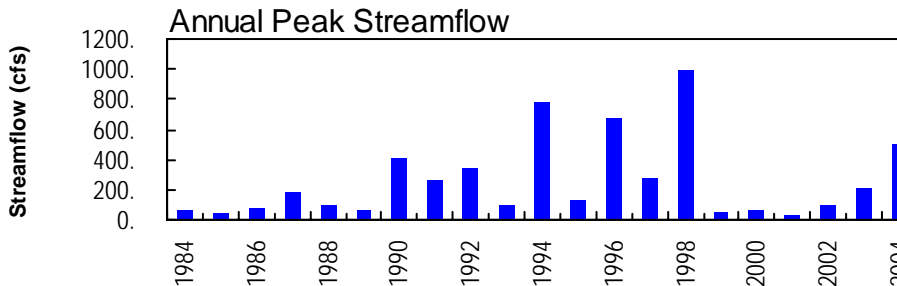
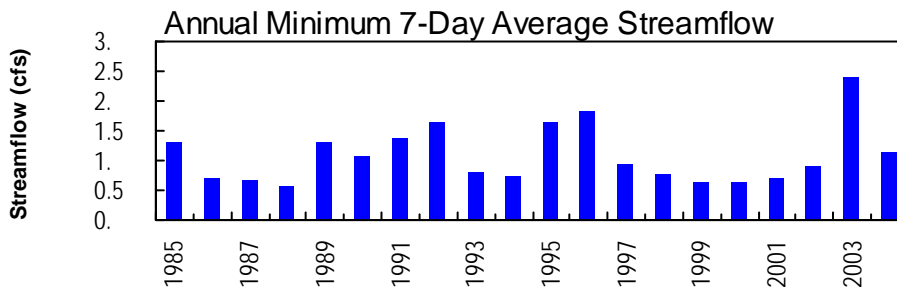
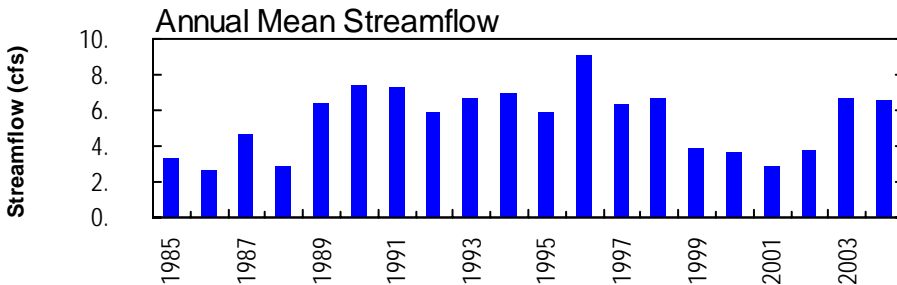
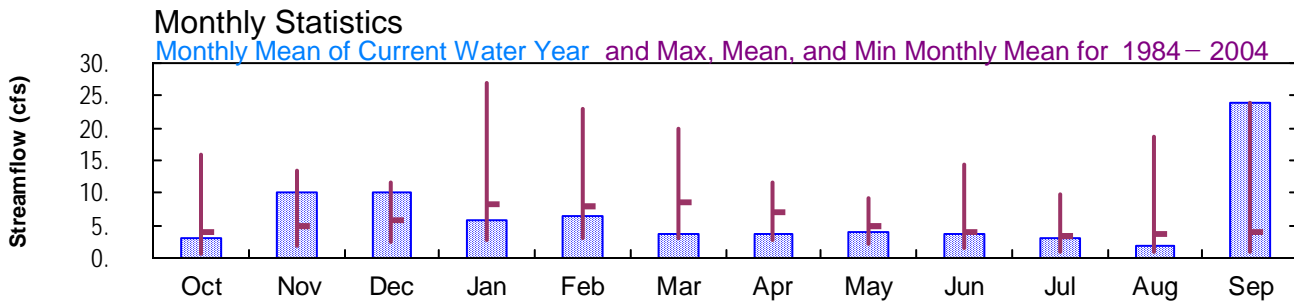
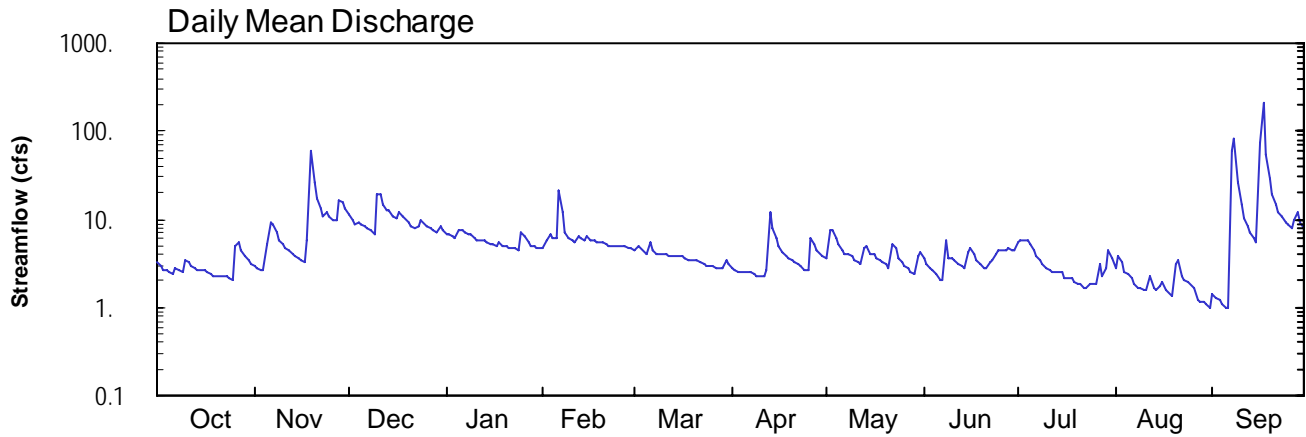
2004 Water Year
TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA

Latitude: 34° 50' 05"
Towns County

Longitude: 083° 42' 34"
Datum: 2141.43 feet

Hydrologic Unit Code: 06020002
Drainage Area: 1.67 mi²



03544947 - Briar Creek near Hiawassee, GA

**TENNESSEE RIVER BASIN
2004 Water Year**

03544947 BRIER CREEK NEAR HIAWASSEE, GA

LOCATION.—Lat 34°50'05", long 83°42'34" referenced to North American Datum (NAD) of 1927, Towns County, Hydrologic Unit 06020002, on left bank, 0.3 miles upstream from Corbin Creek, and 8.2 miles southeast of Hiawassee.

DRAINAGE AREA.—1.67 square miles.

COOPERATION.—USGS Carbon Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

REVISED RECORDS.—WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records are good, except those greater than 20.0 cfs, and periods of estimated discharge which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 35 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0345	131	3.28
09/07	1915	144	3.36
09/16	2115	500*	4.76*

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.76 feet, September 16; minimum gage-height recorded, 1.76 feet, August 31, September 1, 5, 6.

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

STATION NUMBER 03544947 BRIER CREEK NEAR HIWASSEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 281
 LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 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	3.3	2.9	11	6.9	e4.6	e4.4	2.8	3.6	3.6	5.5	2.8	1.4
2	3.0	2.7	9.9	6.8	e5.8	e5.0	2.7	7.5	3.1	5.8	3.8	1.3
3	2.7	2.7	8.9	6.5	e6.9	e4.6	2.6	7.5	2.8	5.9	3.3	1.2
4	2.6	2.7	9.1	6.2	e6.2	e4.3	2.5	6.2	2.6	5.9	2.6	1.1
5	2.5	5.1	8.9	7.7	e6.0	e4.1	2.5	5.3	2.3	5.2	2.4	0.97
6	2.4	9.0	8.3	7.6	e21	e5.4	2.5	4.5	2.1	4.4	2.1	0.99
7	2.7	8.8	7.7	e7.2	e12	e4.4	2.5	4.0	2.1	3.9	1.9	62
8	2.7	7.2	7.3	e6.6	e7.1	e4.0	2.4	4.0	5.9	3.4	1.7	82
9	2.5	5.8	6.9	e6.7	e6.1	e4.0	2.3	3.8	3.6	3.1	1.6	26
10	3.5	5.2	20	e6.2	e5.8	e4.0	2.2	3.5	3.6	2.8	1.6	15
11	3.2	4.8	19	e5.9	e5.6	e4.0	2.3	3.3	3.4	2.6	1.6	10
12	2.9	4.4	15	e5.9	e6.4	e3.9	2.7	3.1	3.0	2.6	2.2	8.1
13	2.8	4.1	13	e5.7	e6.0	e3.9	12	4.6	3.0	2.5	1.7	7.0
14	2.7	3.8	12	e5.4	e5.8	e3.9	8.1	4.9	2.8	2.5	1.6	6.0
15	2.7	3.6	11	e5.3	e6.4	e3.8	6.0	4.1	4.2	2.5	1.7	5.4
16	2.6	3.5	10	e5.1	e5.9	e3.8	4.9	4.0	4.7	2.2	2.0	76
17	2.5	3.3	12	e4.9	e5.7	e3.6	4.3	3.7	4.0	2.1	1.6	205
18	2.4	5.7	11	e5.6	e5.6	e3.4	3.9	3.4	3.4	2.1	1.5	55
19	2.3	62	10	e5.0	e5.5	e3.4	3.7	3.3	3.0	1.9	1.4	29
20	2.3	26	9.4	e4.9	e5.5	e3.4	3.5	3.0	2.8	1.9	3.2	19
21	2.3	18	8.5	e4.8	e5.2	e3.5	3.3	2.8	2.9	1.8	3.5	15
22	2.3	13	8.1	e4.7	e5.0	e3.3	3.1	5.2	3.3	1.7	2.3	12
23	2.3	11	8.3	e4.6	e5.0	e3.1	2.9	4.7	3.4	1.7	2.0	11
24	2.2	12	9.6	e4.5	e4.9	e3.0	2.7	3.7	4.1	1.8	1.9	9.5
25	2.1	11	8.8	e7.0	e4.9	e2.9	2.7	3.3	4.4	1.8	1.8	8.6
26	5.0	9.7	8.2	e6.5	e4.9	e2.9	6.1	3.0	4.5	1.8	1.7	7.8
27	5.4	9.6	7.7	e5.6	e5.0	e2.8	5.3	2.7	4.4	3.1	1.2	9.7
28	4.4	16	7.3	e5.0	e4.7	e2.8	4.4	2.5	4.8	2.3	1.1	12
29	3.8	16	7.0	e4.9	e4.6	e2.8	4.0	2.4	4.5	2.8	1.1	9.1
30	3.4	13	8.3	e4.8	---	e3.4	3.7	3.9	4.5	4.4	1.1	7.9
31	3.1	---	7.4	e4.7	---	e3.1	---	4.3	---	3.6	0.98	---
TOTAL	90.6	302.6	309.6	179.2	184.1	114.9	114.6	125.8	106.8	95.6	60.98	715.06
MEAN	2.92	10.1	9.99	5.78	6.35	3.71	3.82	4.06	3.56	3.08	1.97	23.8
MAX	5.4	62	20	7.7	21	5.4	12	7.5	5.9	5.9	3.8	205
MIN	2.1	2.7	6.9	4.5	4.6	2.8	2.2	2.4	2.1	1.7	0.98	0.97
CFSM	1.75	6.04	5.98	3.46	3.80	2.22	2.29	2.43	2.13	1.85	1.18	14.3
IN.	2.02	6.74	6.90	3.99	4.10	2.56	2.55	2.80	2.38	2.13	1.36	15.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	3.86	4.76	5.68	8.29	7.92	8.71	6.97	4.94	3.85	3.26	3.80	3.96										
MAX	15.8	13.4	11.5	27.0	22.9	19.9	11.6	9.28	14.5	9.75	18.6	23.8										
(WY)	1996	1993	1997	1996	1990	1990	1991	1991	1989	1989	1994	2004										
MIN	0.64	1.78	2.44	2.64	2.99	2.92	2.73	2.07	1.39	0.87	0.82	0.87										
(WY)	1988	2002	1985	1985	1986	1988	1986	2001	2000	1986	1986	1986										

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1984 - 2004
ANNUAL TOTAL	2599.0	2399.84	
ANNUAL MEAN	7.12	6.56	5.48
HIGHEST ANNUAL MEAN			9.17 1996
LOWEST ANNUAL MEAN			2.69 1986
HIGHEST DAILY MEAN	62 Nov 19	205 Sep 17	330 Jan 7 1998
LOWEST DAILY MEAN	2.1 Oct 25	0.97 Sep 5	0.56 Oct 15 1987
ANNUAL SEVEN-DAY MINIMUM	2.3 Oct 19	1.1 Aug 31	0.57 Oct 13 1987
MAXIMUM PEAK FLOW		b 500 Sep 16	a 990 Jan 7 1998
MAXIMUM PEAK STAGE		4.76 Sep 16	4.76 Sep 16 2004
ANNUAL RUNOFF (CFSM)	4.26	3.93	3.28
ANNUAL RUNOFF (INCHES)	57.89	53.46	44.60
10 PERCENT EXCEEDS	11	10	9.7
50 PERCENT EXCEEDS	6.1	4.1	3.8
90 PERCENT EXCEEDS	3.1	2.1	1.2

e Estimated

a From rating curve extended above 40 ft³/s on basis of slope-area measurement of peak flow at gage height 3.57 ft.
 b On basis of slope-area measurement of peak flow at gage height 4.76 ft.

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 LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 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	1.86	1.84	2.14	2.03	---	---	1.89	1.92	1.92	1.99	1.88	1.80
2	1.84	1.83	2.11	2.03	---	---	1.88	2.04	1.90	2.00	1.92	1.79
3	1.83	1.83	2.09	2.02	---	---	1.87	2.05	1.89	2.00	1.91	1.78
4	1.83	1.83	2.09	2.01	---	---	1.87	2.01	1.88	2.00	1.87	1.78
5	1.82	1.92	2.08	2.05	---	---	1.87	1.98	1.86	1.98	1.87	1.77
6	1.81	2.04	2.07	2.05	---	---	1.87	1.96	1.85	1.95	1.85	1.77
7	1.83	2.03	2.05	---	---	---	1.87	1.94	1.85	1.93	1.84	2.59
8	1.83	1.99	2.04	---	---	---	1.86	1.93	1.99	1.91	1.83	2.93
9	1.82	1.95	2.03	---	---	---	1.86	1.93	1.92	1.90	1.82	2.38
10	1.86	1.93	2.28	---	---	---	1.86	1.92	1.92	1.89	1.82	2.21
11	1.85	1.91	2.29	---	---	---	1.86	1.91	1.91	1.88	1.82	2.11
12	1.84	1.90	2.21	---	---	---	1.88	1.90	1.90	1.87	1.86	2.05
13	1.84	1.89	2.17	---	---	---	2.16	1.95	1.89	1.87	1.83	2.02
14	1.83	1.88	2.16	---	---	---	2.06	1.97	1.88	1.87	1.82	1.99
15	1.83	1.87	2.13	---	---	---	2.00	1.94	1.94	1.87	1.83	1.97
16	1.83	1.87	2.11	---	---	---	1.97	1.94	1.96	1.86	1.84	2.50
17	1.82	1.86	2.16	---	---	---	1.94	1.92	1.93	1.85	1.82	3.64
18	1.82	1.92	2.13	---	---	---	1.93	1.91	1.91	1.85	1.82	2.71
19	1.81	2.75	2.12	---	---	---	1.92	1.91	1.90	1.84	1.81	2.42
20	1.81	2.38	2.10	---	---	---	1.91	1.90	1.89	1.84	1.86	2.28
21	1.81	2.25	2.07	---	---	---	1.91	1.88	1.89	1.83	1.90	2.20
22	1.81	2.18	2.06	---	---	---	1.90	1.95	1.91	1.83	1.85	2.15
23	1.81	2.13	2.07	---	---	---	1.89	1.96	1.91	1.83	1.84	2.12
24	1.80	2.15	2.10	---	---	---	1.88	1.92	1.94	1.83	1.83	2.09
25	1.80	2.13	2.08	---	---	---	1.88	1.91	1.95	1.84	1.82	2.07
26	1.91	2.10	2.07	---	---	---	2.00	1.89	1.95	1.83	1.82	2.05
27	1.93	2.10	2.05	---	---	---	1.98	1.88	1.95	1.89	1.78	2.09
28	1.90	2.23	2.04	---	---	---	1.95	1.87	1.96	1.86	1.78	2.14
29	1.88	2.23	2.03	---	---	---	1.94	1.87	1.95	1.88	1.78	2.08
30	1.86	2.18	2.07	---	---	---	1.92	1.92	1.95	1.95	1.78	2.05
31	1.85	---	2.04	---	---	---	---	1.95	---	1.92	1.77	---
MEAN	1.84	2.04	2.10	---	---	---	1.92	1.93	1.92	1.89	1.83	2.18
MAX	1.93	2.75	2.29	---	---	---	2.16	2.05	1.99	2.00	1.92	3.64
MIN	1.80	1.83	2.03	---	---	---	1.86	1.87	1.85	1.83	1.77	1.77