

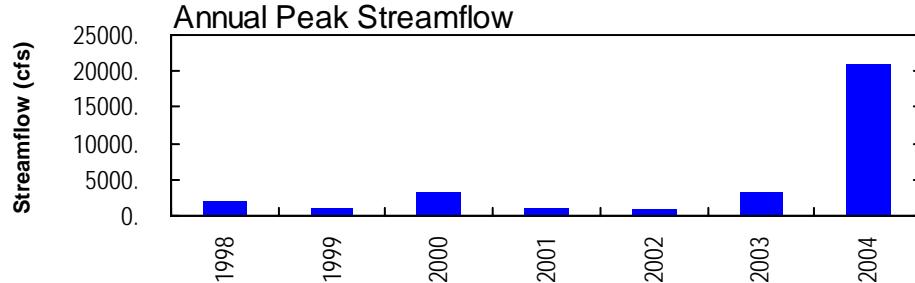
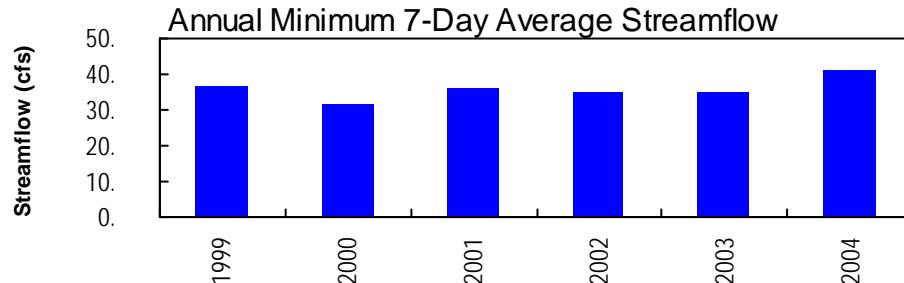
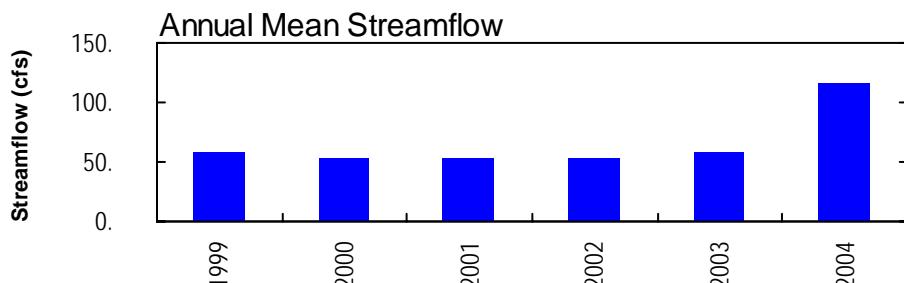
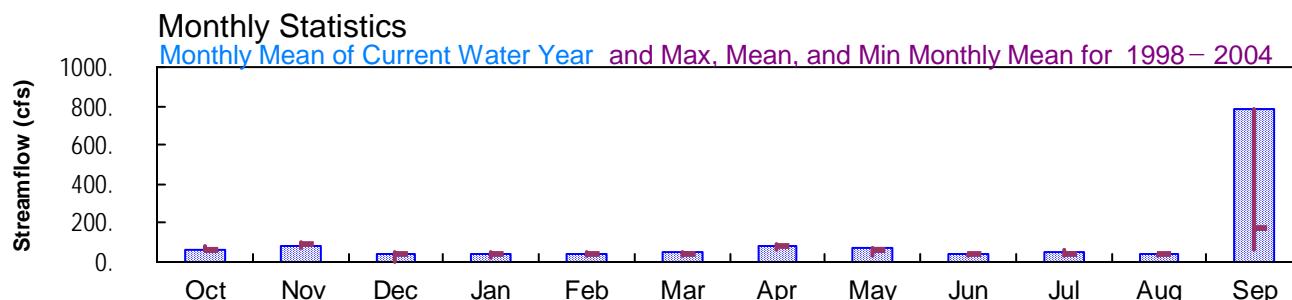
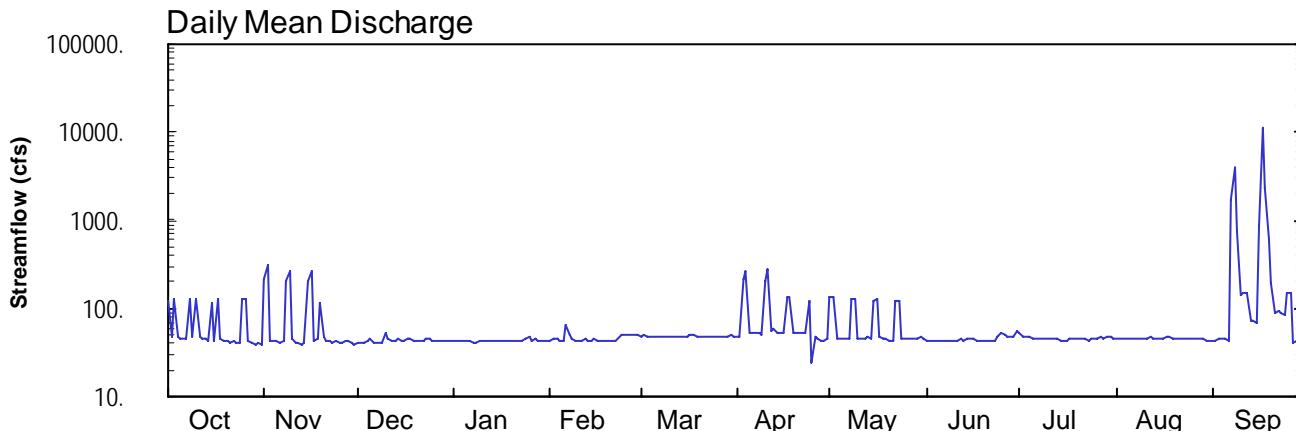
2004 Water Year
 SAVANNAH RIVER BASIN

02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS, GA
Latitude: $34^{\circ} 43' 55''$ Longitude: $083^{\circ} 22' 33''$

Hydrologic Unit Code: 03060102

Rabun County

Datum: 940.00 feet

Drainage Area: 184. mi²

USGS 02181580 Tallulah River above Powerhouse, near Tallulah Falls, GA

**SAVANNAH RIVER BASIN
2004 Water Year**

02181580 TALLULAH RIVER ABOVE POWERHOUSE, NEAR TALLULAH FALLS, GA

LOCATION.—Lat 34°43'55", long 83°22'33", Habersham County, Hydrologic Unit 03060102, on right bank 20.0 feet upstream from the Tallulah Falls Powerhouse in the Tallulah Gorge, 1.2 miles downstream from Cascade Falls, 1.7 miles downstream from Tallulah Falls Lake, and 0.5 miles northeast of Tallulah Lodge.

DRAINAGE AREA.—184 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 14, 1997 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Streamflow is regulated by Tallulah Falls Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 14, 1997 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.91 feet, September 17; minimum gage-height recorded, 4.45 feet, April 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 4, 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 02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
 LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 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	124	217	41	43	43	48	47	133	44	52	46	44
2	47	308	41	43	46	50	48	135	43	49	45	44
3	127	44	40	43	45	49	218	45	43	48	46	45
4	47	44	42	43	43	48	264	45	43	47	45	45
5	45	42	46	43	44	47	53	46	43	46	45	44
6	45	41	40	43	63	48	53	45	43	45	45	43
7	44	43	41	41	49	48	53	44	43	45	46	1740
8	128	205	40	41	44	47	53	127	43	46	45	3990
9	48	269	40	42	44	47	51	128	43	46	45	761
10	128	44	53	43	44	48	209	46	43	46	44	139
11	47	41	46	43	43	48	285	45	43	46	44	146
12	44	40	43	42	44	48	55	46	44	46	48	152
13	44	39	44	42	43	47	58	47	44	44	46	71
14	43	41	46	43	42	47	54	45	44	43	46	71
15	116	200	43	42	45	47	54	125	45	44	45	70
16	43	266	43	43	43	49	53	127	44	44	46	878
17	128	44	46	43	44	49	137	47	44	46	48	11400
18	45	46	44	43	43	49	137	44	43	46	47	2390
19	43	112	44	42	42	49	54	44	43	46	46	611
20	42	47	44	43	43	48	52	43	42	46	45	191
21	41	43	44	42	43	48	52	43	44	46	44	87
22	42	43	44	44	42	48	52	123	43	45	45	91
23	40	41	44	44	47	48	52	124	44	44	45	87
24	41	44	45	44	50	47	123	45	47	45	46	85
25	128	41	44	48	50	47	24	45	54	45	46	152
26	128	42	43	43	50	47	47	45	49	46	45	151
27	43	43	43	44	50	48	45	45	48	47	44	42
28	41	44	43	43	50	48	43	44	49	45	46	43
29	40	40	42	43	49	47	43	44	48	47	44	45
30	40	39	42	43	---	51	45	49	57	48	43	65
31	39	---	42	43	---	49	46	---	46	43	---	
TOTAL	2001	2553	1343	1332	1328	1489	2514	2060	1350	1425	1404	23723
MEAN	64.5	85.1	43.3	43.0	45.8	48.0	83.8	66.5	45.0	46.0	45.3	791
MAX	128	308	53	48	63	51	285	135	57	52	48	11400
MIN	39	39	40	41	42	47	24	43	42	43	43	42
CFSM	0.35	0.46	0.23	0.23	0.25	0.26	0.45	0.36	0.24	0.25	0.25	4.29
IN.	0.40	0.52	0.27	0.27	0.27	0.30	0.51	0.42	0.27	0.29	0.28	4.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	65.4	87.8	37.9	39.9	41.7	42.6	81.2	59.5	39.1	42.8	39.2	173
MAX	76.7	103	50.1	48.6	48.2	48.0	92.5	71.1	45.0	58.8	45.3	791
(WY)	1999	1999	2001	2001	2001	2001	2004	2000	1999	2004	2003	2004
MIN	56.3	75.8	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	35.3	61.6
(WY)	2001	2002	1998	1998	1998	1998	1998	1998	1998	1998	2000	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1998 - 2004
ANNUAL TOTAL	20810	42522	
ANNUAL MEAN	57.0	116	65.7
HIGHEST ANNUAL MEAN			116
LOWEST ANNUAL MEAN			53.3
HIGHEST DAILY MEAN	519	Jul 2	11400 Sep 17 2004
LOWEST DAILY MEAN	34	Jul 17	2.0 Dec 18 1997
ANNUAL SEVEN-DAY MINIMUM	35	Jul 15	2.1 Dec 15 1997
MAXIMUM PEAK FLOW		21000	21000 Sep 17 2004
MAXIMUM PEAK STAGE		14.91 Sep 17	14.91 Sep 17 2004
INSTANTANEOUS LOW FLOW		12 Apr 25	12 Apr 25 2004
ANNUAL RUNOFF (CFSM)	0.309	0.630	0.356
ANNUAL RUNOFF (INCHES)	4.20	8.58	4.84
10 PERCENT EXCEEDS	124	126	114
50 PERCENT EXCEEDS	43	45	43
90 PERCENT EXCEEDS	36	42	36

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

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 LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 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	5.77	5.90	5.14	5.16	5.16	5.23	5.22	5.79	5.18	5.27	5.21	5.18
2	5.24	6.07	5.14	5.16	5.20	5.25	5.23	5.81	5.17	5.24	5.19	5.18
3	5.77	5.18	5.13	5.16	5.19	5.24	5.95	5.19	5.17	5.23	5.20	5.19
4	5.24	5.17	5.16	5.17	5.17	5.23	6.06	5.20	5.17	5.22	5.20	5.20
5	5.22	5.16	5.18	5.17	5.18	5.22	5.30	5.20	5.16	5.21	5.20	5.19
6	5.21	5.14	5.13	5.17	5.39	5.23	5.29	5.19	5.16	5.19	5.20	5.16
7	5.20	5.17	5.14	5.14	5.24	5.23	5.29	5.18	5.16	5.19	5.20	7.65
8	5.77	5.88	5.13	5.15	5.18	5.22	5.29	5.76	5.17	5.20	5.20	10.29
9	5.25	6.01	5.13	5.16	5.18	5.22	5.26	5.77	5.17	5.20	5.19	7.25
10	5.78	5.18	5.29	5.17	5.18	5.23	5.93	5.21	5.17	5.21	5.19	5.73
11	5.23	5.14	5.20	5.17	5.17	5.23	6.10	5.20	5.17	5.20	5.19	5.95
12	5.21	5.13	5.17	5.16	5.18	5.23	5.31	5.21	5.18	5.20	5.23	5.97
13	5.20	5.12	5.18	5.16	5.16	5.22	5.35	5.21	5.17	5.18	5.20	5.48
14	5.19	5.14	5.20	5.17	5.16	5.22	5.30	5.20	5.19	5.17	5.20	5.48
15	5.71	5.86	5.17	5.16	5.19	5.22	5.30	5.75	5.20	5.18	5.20	5.47
16	5.19	6.01	5.17	5.16	5.17	5.24	5.30	5.77	5.19	5.18	5.20	6.34
17	5.77	5.18	5.21	5.17	5.17	5.24	5.83	5.21	5.18	5.20	5.22	12.66
18	5.21	5.20	5.18	5.17	5.16	5.25	5.84	5.18	5.17	5.20	5.22	8.85
19	5.19	5.63	5.18	5.16	5.15	5.24	5.30	5.18	5.17	5.21	5.21	7.35
20	5.18	5.22	5.18	5.16	5.17	5.23	5.28	5.17	5.16	5.21	5.19	6.12
21	5.16	5.16	5.18	5.16	5.17	5.24	5.28	5.17	5.18	5.21	5.19	5.62
22	5.17	5.16	5.18	5.18	5.16	5.23	5.28	5.74	5.17	5.19	5.19	5.65
23	5.15	5.14	5.18	5.18	5.22	5.23	5.28	5.75	5.18	5.18	5.20	5.62
24	5.16	5.18	5.19	5.18	5.26	5.22	5.67	5.19	5.22	5.19	5.21	5.60
25	5.76	5.15	5.18	5.23	5.26	5.22	4.72	5.19	5.29	5.20	5.21	5.97
26	5.77	5.15	5.16	5.17	5.26	5.22	5.22	5.19	5.25	5.21	5.19	5.97
27	5.18	5.16	5.16	5.18	5.26	5.23	5.19	5.19	5.23	5.21	5.18	5.09
28	5.16	5.18	5.17	5.17	5.25	5.23	5.17	5.19	5.24	5.20	5.21	5.16
29	5.14	5.13	5.16	5.17	5.24	5.22	5.17	5.18	5.23	5.21	5.18	5.19
30	5.15	5.12	5.16	5.17	---	5.26	5.20	5.23	5.33	5.23	5.17	5.42
31	5.13	---	5.16	5.17	---	5.24	---	5.21	---	5.20	5.17	---
MEAN	5.34	5.33	5.17	5.17	5.20	5.23	5.40	5.34	5.19	5.20	5.20	6.23
MAX	5.78	6.07	5.29	5.23	5.39	5.26	6.10	5.81	5.33	5.27	5.23	12.66
MIN	5.13	5.12	5.13	5.14	5.15	5.22	4.72	5.17	5.16	5.17	5.17	5.09

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 LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 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	0.00	0.12	0.00	0.26	0.00	0.49
2	0.00	0.00	0.00	0.00	1.03	0.72	0.00	0.74	0.00	0.01	0.07	0.43
3	0.00	0.00	0.02	0.00	0.07	0.01	0.00	0.00	0.00	0.05	0.01	0.00
4	0.00	0.07	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00
5	0.00	0.27	0.00	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.02	0.00	0.00	1.90	0.27	0.00	0.00	0.00	0.01	0.00	0.11
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	9.66
8	0.92	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.24	0.00	0.00	1.17
9	0.12	0.00	0.00	0.11	0.00	0.04	0.00	0.09	0.35	0.00	0.00	0.00
10	0.07	0.00	1.88	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
11	0.11	0.00	0.00	0.00	0.01	0.00	0.06	0.10	0.00	0.00	0.00	0.00
12	0.00	0.02	0.00	0.00	0.53	0.00	0.38	0.04	0.46	0.04	1.14	0.00
13	0.00	0.00	0.48	0.00	0.00	0.00	0.83	0.44	0.05	0.00	0.00	0.00
14	0.02	0.00	0.31	0.00	0.07	0.00	0.00	0.00	0.73	0.10	0.00	0.00
15	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.56	0.00	0.00	0.00
16	0.00	0.02	0.19	0.00	0.00	0.21	0.00	0.01	0.09	0.00	0.00	5.64
17	0.00	0.06	0.38	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.58
18	0.00	1.89	0.03	0.22	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
19	0.00	1.89	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.20	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.50	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.00
23	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.06	0.32	0.00	0.00	0.00
24	0.00	0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.94	0.18	0.40	0.00
25	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	2.09	0.01	0.00	0.00
26	1.39	0.00	0.00	0.13	0.26	0.00	0.63	0.00	0.00	0.40	0.00	0.00
27	0.01	0.40	0.00	0.19	0.03	0.00	0.00	0.00	0.31	0.01	0.00	3.11
28	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.42	0.08
29	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.08	0.00
30	0.00	0.00	0.11	0.00	---	1.04	0.03	1.31	1.22	0.65	0.03	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.83	---	0.01	0.00	---
TOTAL	2.64	5.59	4.63	2.27	4.84	2.51	1.93	3.85	8.30	2.09	2.91	22.27