



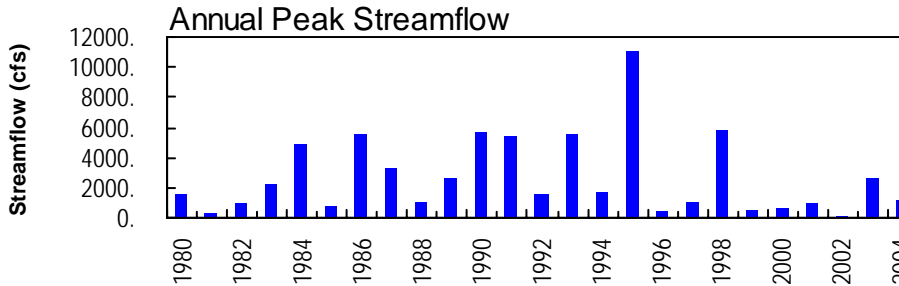
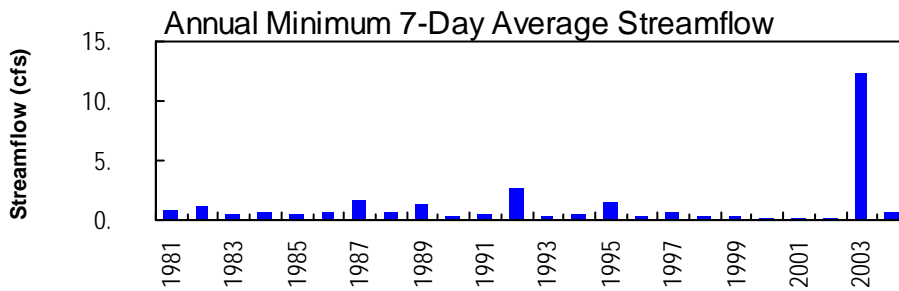
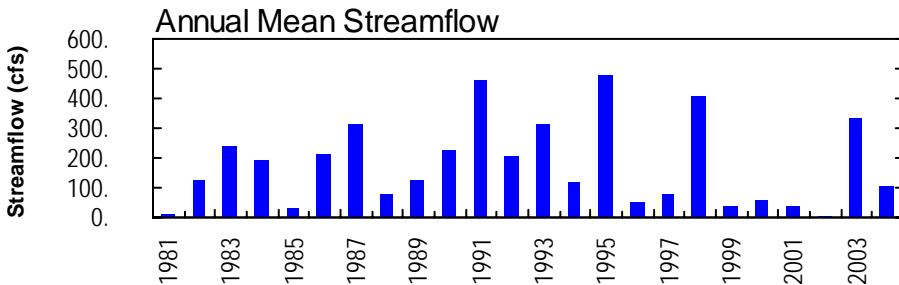
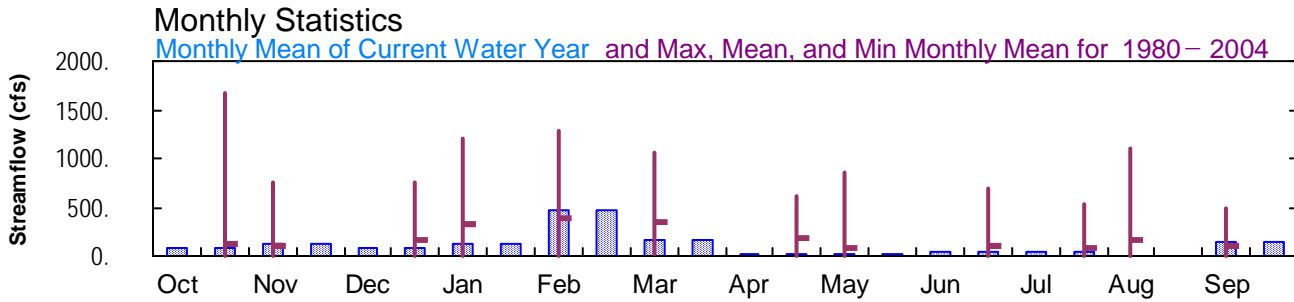
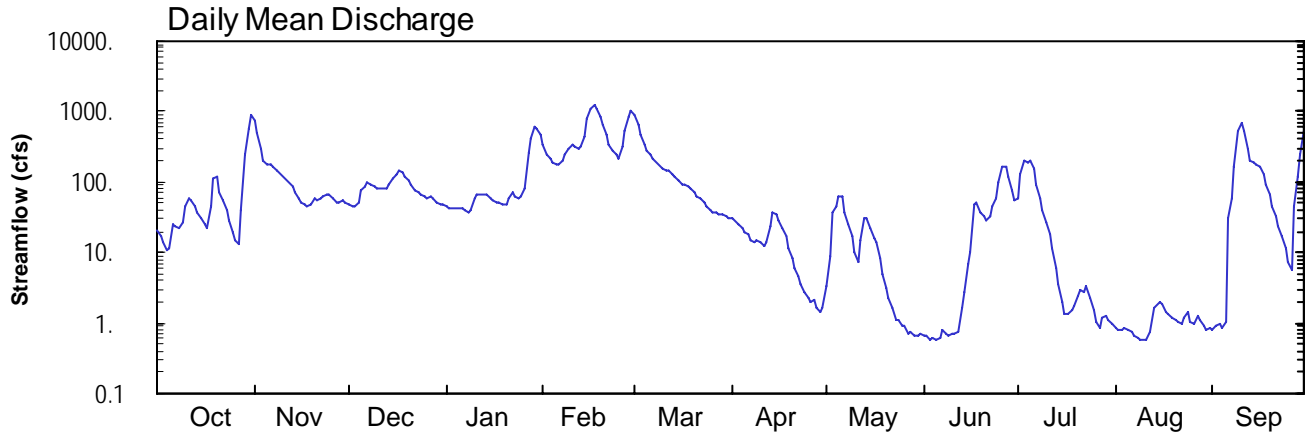
2004 Water Year OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA

Latitude: 32° 10' 04"
Bryan County

Longitude: 081° 29' 18"
Datum: 30.00 feet

Hydrologic Unit Code: 03060202
Drainage Area: 232. mi²



02202600 Black Creek near Blitchton, GA
August 28, 1991

**OGEECHEE RIVER BASIN
2004 Water Year**

02202600 BLACK CREEK NEAR BLITCHTON, GA

LOCATION.—Lat 32°10'04", long 81°29'18" referenced to North American Datum (NAD) of 1927, Bryan County, Hydrologic Unit 03060202, on upstream side of bridge on US 280 (GA 30), 4.2 miles upstream from Mill Creek, 5.8 miles southwest of Blitchton, and 8.7 miles upstream from mouth.

DRAINAGE AREA.—232 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements made during water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973, and February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those less than 2.0 cfs, which are fair, and periods of estimated discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/31	0930	911	8.65
02/17	0915	1,220*	9.23*
02/29	1630	1,040	8.89

**OGEECHEE RIVER BASIN
2004 Water Year**

02202600 BLACK CREEK NEAR BLITCHTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements made during water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973, and February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.23 feet, February 17; minimum gage-height recorded, 2.20 feet, May 29, June 5, 6, August 8-10, 12.

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

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
 LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 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	20	731	47	45	334	914	30	3.4	0.68	57	0.86	0.79
2	17	494	46	43	247	670	28	9.2	0.66	125	0.83	0.89
3	14	296	44	42	214	458	25	37	0.59	203	0.80	0.94
4	11	208	52	42	194	333	22	46	0.62	185	0.83	0.86
5	12	176	78	41	182	274	20	63	0.58	197	0.82	1.0
6	25	172	87	42	172	240	18	64	0.64	158	0.74	31
7	24	162	96	40	205	217	15	38	0.79	93	0.67	60
8	22	151	94	37	248	192	14	25	0.70	59	0.62	170
9	28	140	85	40	305	167	15	17	0.65	40	0.58	e527
10	46	123	79	58	331	156	14	9.9	0.71	27	0.58	677
11	60	110	83	66	315	149	13	7.2	0.71	18	0.59	528
12	56	97	83	67	302	143	14	15	0.73	12	0.76	294
13	45	84	79	69	327	128	24	31	1.6	6.1	1.7	207
14	36	70	92	66	454	116	38	30	2.8	3.5	1.7	185
15	31	59	113	60	776	102	35	22	6.7	2.0	1.9	179
16	26	52	131	56	1060	94	30	16	10	1.3	1.8	168
17	22	47	142	53	1210	91	22	14	50	1.3	1.5	127
18	46	45	137	50	1110	86	17	8.3	52	1.5	1.4	94
19	110	48	122	49	871	81	12	5.1	36	1.7	1.2	67
20	121	58	106	48	658	71	8.2	3.2	33	2.5	1.1	46
21	73	56	91	60	480	64	5.9	2.3	29	2.9	1.1	33
22	54	57	78	71	349	58	4.6	1.7	33	2.8	0.98	23
23	39	62	69	61	279	50	3.5	1.1	46	3.4	1.2	17
24	28	68	65	57	243	44	2.8	1.1	60	2.2	1.4	11
25	20	65	62	64	218	40	2.3	0.94	101	1.5	1.0	7.1
26	15	58	60	80	313	38	1.9	0.91	164	1.1	0.96	5.5
27	13	52	62	262	534	38	2.1	0.71	162	0.88	1.3	46
28	39	51	57	421	825	36	1.7	0.77	121	1.1	1.1	119
29	243	54	52	593	1000	35	1.5	0.67	78	1.2	0.93	245
30	585	50	50	574	---	32	1.6	0.65	54	1.1	0.81	527
31	883	---	48	458	---	30	---	0.71	---	0.95	0.83	---
TOTAL	2764	3896	2490	3715	13756	5147	442.1	475.86	1048.16	1213.03	32.59	4398.08
MEAN	89.2	130	80.3	120	474	166	14.7	15.4	34.9	39.1	1.05	147
MAX	883	731	142	593	1210	914	38	64	164	203	1.9	677
MIN	11	45	44	37	172	30	1.5	0.65	0.58	0.88	0.58	0.79
CFSM	0.38	0.56	0.35	0.52	2.04	0.72	0.06	0.07	0.15	0.17	0.00	0.63
IN.	0.44	0.62	0.40	0.60	2.21	0.83	0.07	0.08	0.17	0.19	0.01	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	116	100	158	321	393	340	192	87.2	112	90.8	161	93.0														
MAX	1682	754	762	1203	1286	1065	622	867	696	530	1105	486														
(WY)	1995	1986	1995	1987	1998	1998	1993	1991	1991	2003	1991	1989														
MIN	0.51	0.45	0.47	1.06	4.64	24.9	3.11	0.28	0.24	0.36	0.63	0.61														
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2000	1990	1998	1990														

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1980 - 2004
ANNUAL TOTAL	117766.2	39377.82	
ANNUAL MEAN	323	108	179
HIGHEST ANNUAL MEAN			480
LOWEST ANNUAL MEAN			7.69
HIGHEST DAILY MEAN	2230	Aug 11	1210
LOWEST DAILY MEAN	7.7	Jun 3	0.58
ANNUAL SEVEN-DAY MINIMUM	12	Jun 1	0.64
MAXIMUM PEAK FLOW			1220
MAXIMUM PEAK STAGE			9.23
INSTANTANEOUS LOW FLOW			0.52
ANNUAL RUNOFF (CFSM)	1.39		0.464
ANNUAL RUNOFF (INCHES)	18.88		6.31
10 PERCENT EXCEEDS	978		295
50 PERCENT EXCEEDS	130		46
90 PERCENT EXCEEDS	34		0.92

e Estimated

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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	3.05	8.25	3.70	3.66	7.03	8.65	3.32	2.47	2.23	3.90	2.26	2.25
2	2.95	7.62	3.68	3.61	6.46	8.10	3.27	2.67	2.23	4.98	2.25	2.26
3	2.87	6.81	3.64	3.60	6.13	7.52	3.17	3.47	2.21	6.01	2.25	2.27
4	2.78	6.06	3.80	3.59	5.91	7.04	3.09	3.68	2.22	5.80	2.25	2.26
5	2.80	5.69	4.27	3.58	5.76	6.68	3.04	4.02	2.21	5.94	2.25	2.28
6	3.17	5.64	4.43	3.60	5.64	6.41	2.98	4.04	2.22	5.46	2.24	3.26
7	3.15	5.51	4.56	3.55	6.03	6.17	2.91	3.49	2.25	4.52	2.23	3.94
8	3.11	5.36	4.54	3.48	6.47	5.88	2.86	3.17	2.23	3.94	2.22	5.53
9	3.24	5.21	4.40	3.56	6.89	5.57	2.89	2.97	2.22	3.55	2.21	---
10	3.64	4.98	4.29	3.92	7.04	5.43	2.88	2.75	2.23	3.24	2.21	8.13
11	3.92	4.78	4.37	4.06	6.95	5.33	2.83	2.66	2.23	3.00	2.21	7.72
12	3.85	4.58	4.36	4.09	6.87	5.25	2.86	2.89	2.24	2.81	2.23	6.78
13	3.63	4.37	4.30	4.12	7.02	5.04	3.15	3.35	2.31	2.62	2.35	6.05
14	3.44	4.14	4.51	4.07	7.48	4.88	3.51	3.32	2.43	2.48	2.35	5.80
15	3.31	3.93	4.83	3.97	8.35	4.67	3.44	3.11	2.64	2.38	2.38	5.72
16	3.19	3.80	5.09	3.89	8.94	4.54	3.30	2.93	2.77	2.32	2.37	5.59
17	3.11	3.71	5.24	3.82	9.21	4.48	3.11	2.87	3.73	2.32	2.33	5.03
18	3.60	3.66	5.18	3.77	9.03	4.42	2.95	2.70	3.79	2.34	2.32	4.54
19	4.78	3.71	4.96	3.76	8.56	4.32	2.81	2.57	3.45	2.36	2.30	4.09
20	4.95	3.92	4.73	3.72	8.08	4.15	2.70	2.46	3.38	2.41	2.29	3.68
21	4.15	3.88	4.49	3.96	7.59	4.03	2.61	2.41	3.29	2.44	2.28	3.38
22	3.81	3.91	4.28	4.17	7.11	3.92	2.54	2.35	3.39	2.44	2.27	3.13
23	3.49	4.00	4.13	3.98	6.71	3.77	2.48	2.29	3.69	2.47	2.30	2.95
24	3.25	4.11	4.05	3.91	6.44	3.64	2.44	2.29	3.97	2.40	2.32	2.80
25	3.03	4.06	4.01	4.03	6.17	3.55	2.40	2.27	4.64	2.33	2.28	2.66
26	2.90	3.93	3.96	4.29	6.85	3.51	2.38	2.26	5.53	2.28	2.27	2.59
27	2.83	3.81	3.99	6.53	7.74	3.51	2.39	2.23	5.50	2.26	2.31	3.61
28	3.41	3.78	3.91	7.39	8.46	3.45	2.35	2.24	4.94	2.29	2.29	4.91
29	6.31	3.84	3.80	7.91	8.83	3.42	2.33	2.23	4.28	2.30	2.27	6.33
30	7.86	3.76	3.76	7.86	---	3.36	2.35	2.22	3.85	2.29	2.25	7.73
31	8.59	---	3.73	7.52	---	3.32	---	2.23	---	2.27	2.25	---
MEAN	3.81	4.69	4.29	4.42	7.23	4.97	2.84	2.79	3.14	3.17	2.28	---
MAX	8.59	8.25	5.24	7.91	9.21	8.65	3.51	4.04	5.53	6.01	2.38	---
MIN	2.78	3.66	3.64	3.48	5.64	3.32	2.33	2.22	2.21	2.26	2.21	---

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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	0.01	0.00	0.00	0.95	0.19	0.35	0.00	0.00
2	0.00	0.01	0.00	0.00	0.34	0.00	0.00	0.98	0.00	0.02	0.23	0.63
3	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.06	0.00
4	0.00	0.04	0.78	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.40	0.19
5	0.00	0.16	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.02	0.77	0.01	0.00	0.00	0.38	0.00	0.00	3.91
7	0.32	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.88
8	0.13	0.01	0.01	0.16	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.33
9	0.00	0.00	0.00	0.45	0.00	0.24	0.00	0.00	0.11	0.00	0.00	0.00
10	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.00	0.04
11	0.01	0.00	0.00	0.00	0.24	0.00	0.00	0.81	0.00	0.00	0.19	0.04
12	0.00	0.00	0.00	0.00	0.82	0.00	---	1.03	0.00	0.01	1.25	0.00
13	0.03	0.01	0.03	0.00	0.00	0.00	0.42	0.00	1.85	0.00	0.41	0.02
14	0.12	0.00	0.53	0.01	1.12	0.00	0.00	0.00	1.02	0.00	0.48	0.01
15	0.00	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.49	0.00	0.28	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.02
17	0.28	0.00	0.02	0.00	0.17	0.00	0.00	0.00	0.00	0.10	0.09	0.04
18	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.43	0.01	0.00
19	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.37	0.00
23	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.34	0.00	0.08	0.00
24	0.00	0.10	0.01	0.00	0.01	0.00	0.00	0.00	0.35	0.00	0.00	0.00
25	0.00	0.00	0.01	0.21	0.44	0.00	0.00	0.00	0.45	0.00	0.00	0.00
26	0.02	0.00	0.00	2.30	1.41	0.00	0.41	0.00	0.00	0.00	0.00	0.60
27	0.18	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03	0.00	0.01	1.95
28	2.86	0.25	0.00	0.00	0.00	0.00	0.00	0.00	---	1.25	0.00	0.00
29	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
30	0.00	0.00	0.04	0.00	---	0.06	0.57	0.00	0.46	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.09	---	0.04	0.15	---
TOTAL	4.02	1.13	---	3.25	5.52	0.31	---	4.17	---	2.40	4.01	8.66