2004 Water Year

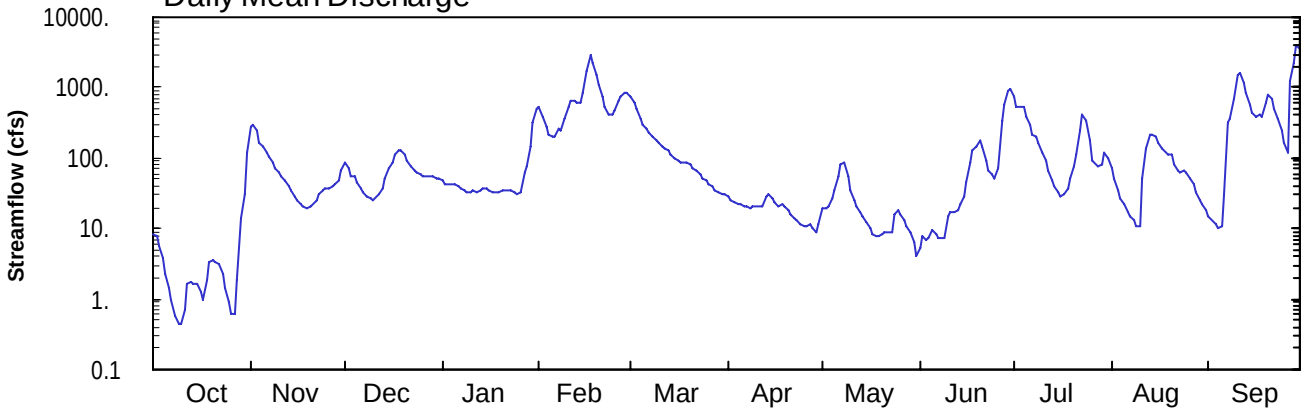
SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

Latitude: 30° 49 ' 32 " Longitude: 083° 33 ' 45 " Hydrologic Unit Code: 03110203

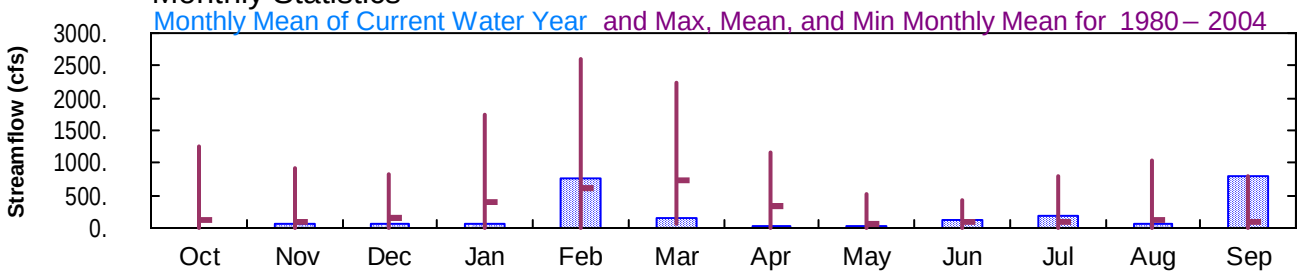
Brooks County Datum: 110.00 feet Drainage Area: 269. mi^2

Daily Mean Discharge

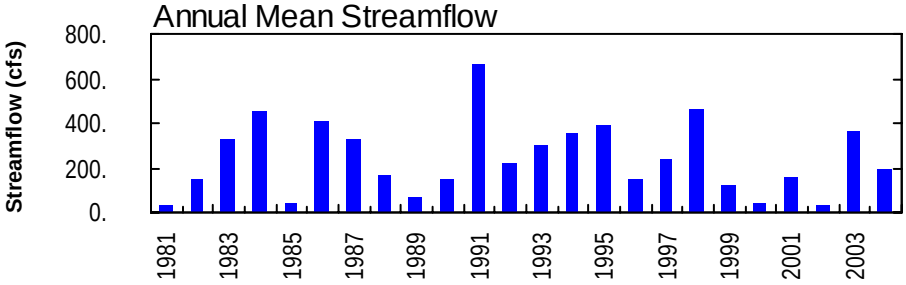


Monthly Statistics

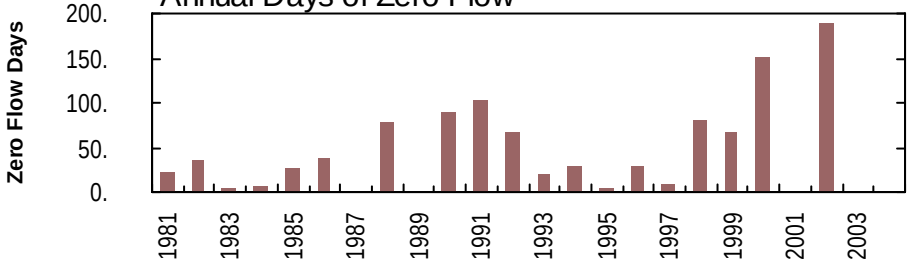
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



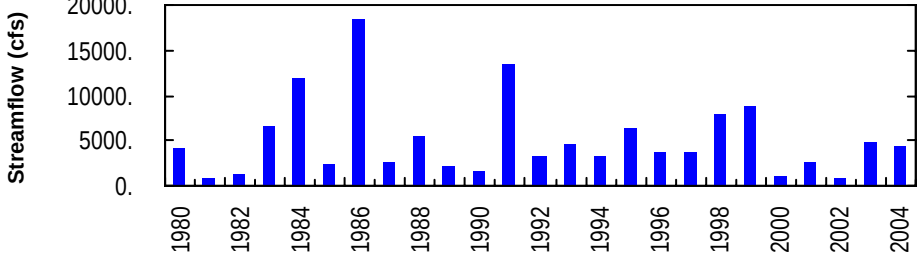
Annual Mean Streamflow



Annual Days of Zero Flow



Annual Peak Streamflow



SUWANNEE RIVER BASIN
2004 Water Year

02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

LOCATION.—Lat 30°49'32", long 83°33'45" referenced to North American Datum (NAD) of 1983, Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on GA 333, 1.0 mile downstream from Coon Creek, and 3.0 mile north of Quitman.

DRAINAGE AREA.—269 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/17	1030	3,080	12.90
09/10	1830	1,770	11.89
09/29	1130	4,290*	13.55*

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.55 feet, September 29; minimum gage-height recorded, 3.01 feet, May 31.

02318700 OKAPILCO CREEK AT GA 333, NEAR QUITMAN, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 27, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 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	8.5	276	85	47	538	727	28	20	5.2	733	71	15
2	7.7	304	72	43	397	612	26	19	7.9	551	50	13
3	5.6	249	56	42	271	487	24	20	7.0	539	36	11
4	3.8	171	54	42	219	372	23	26	7.5	529	27	10
5	2.3	149	45	41	197	298	22	36	9.3	390	21	11
6	1.5	118	37	40	195	255	21	54	8.6	296	18	31
7	0.97	105	32	38	260	226	20	80	7.4	210	15	313
8	0.60	85	28	35	247	200	20	84	7.5	208	13	366
9	0.44	71	26	33	368	180	21	56	7.2	163	11	687
10	0.43	62	25	34	529	164	21	35	15	120	11	1560
11	0.69	54	28	34	646	149	20	26	17	92	53	1610
12	1.6	47	31	34	666	136	21	21	17	66	136	1190
13	1.8	41	37	35	592	124	28	17	19	49	220	835
14	1.6	35	53	37	609	109	31	15	22	40	218	583
15	1.7	29	72	37	868	102	27	12	29	32	198	438
16	1.3	25	88	35	1770	95	23	10	46	28	169	385
17	0.97	23	113	33	2950	89	21	8.5	85	30	136	410
18	1.9	20	125	33	2260	86	22	7.9	128	37	124	392
19	3.4	20	127	33	1550	89	20	7.8	147	52	114	629
20	3.7	21	111	34	1100	80	18	8.1	177	75	109	791
21	3.5	22	90	34	741	72	16	8.7	150	110	81	673
22	3.0	26	75	34	525	66	14	9.2	91	250	67	515
23	2.2	31	67	34	404	59	13	8.7	66	408	64	357
24	1.4	36	61	33	411	52	11	16	58	329	66	239
25	0.92	38	58	31	482	47	11	18	50	175	62	164
26	0.63	38	56	32	634	43	11	16	72	91	51	122
27	0.64	39	55	63	762	39	11	13	338	83	42	1280
28	1.8	43	53	74	851	36	10	11	565	74	32	2290
29	14	47	53	141	824	33	8.8	8.7	882	80	25	4100
30	31	65	53	314	---	31	12	6.2	993	122	22	3470
31	117	---	51	493	---	30	---	4.1	---	98	18	---
TOTAL	226.59	2290	1917	2023	21866	5088	574.8	682.9	4034.6	6060	2280	23490
MEAN	7.31	76.3	61.8	65.3	754	164	19.2	22.0	134	195	73.5	783
MAX	117	304	127	493	2950	727	31	84	993	733	220	4100
MIN	0.43	20	25	31	195	30	8.8	4.1	5.2	28	11	10
CFSM	0.03	0.28	0.23	0.24	2.80	0.61	0.07	0.08	0.50	0.73	0.27	2.91
IN.	0.03	0.32	0.27	0.28	3.02	0.70	0.08	0.09	0.56	0.84	0.32	3.25

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

MEAN	130	91.6	166	403	624	738	328	65.4	86.8	103	129	92.0
MAX	1255	910	839	1735	2614	2223	1160	507	424	788	1031	783
(WY)	1995	1998	1986	1991	1986	1991	1983	1991	1994	1991	1994	2004
MIN	0.00	0.00	0.00	0.33	1.95	52.5	10.4	0.05	0.00	0.00	0.07	0.00
(WY)	1982	1991	1991	2002	1989	1985	1999	1999	1998	2000	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	113544.39		70532.89			
ANNUAL MEAN	311		193		244	
HIGHEST ANNUAL MEAN					664	1991
LOWEST ANNUAL MEAN					31.3	2002
HIGHEST DAILY MEAN	4750	Mar 11	4100	Sep 29	14600	Feb 12 1986
LOWEST DAILY MEAN	0.43	Oct 10	0.43	Oct 10	0.00	Sep 6 1980
ANNUAL SEVEN-DAY MINIMUM	0.89	Oct 6	0.89	Oct 6	0.00	Sep 10 1980
MAXIMUM PEAK FLOW			4290	Sep 29	18500	Feb 12 1986
MAXIMUM PEAK STAGE			13.55	Sep 29	18.75	Feb 12 1986
INSTANTANEOUS LOW FLOW			0.39	Oct 9	0.39	Oct 9 2003
ANNUAL RUNOFF (CFSM)	1.16		0.716		0.907	
ANNUAL RUNOFF (INCHES)	15.70		9.75		12.32	
10 PERCENT EXCEEDS	769		538		674	
50 PERCENT EXCEEDS	109		46		31	
90 PERCENT EXCEEDS	8.2		7.9		0.00	

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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	4.39	8.56	6.41	5.52	9.74	10.30	4.66	4.21	3.16	10.31	5.96	3.95
2	4.33	8.69	6.14	5.40	9.16	9.95	4.54	4.17	3.40	9.74	5.44	3.79
3	4.15	8.32	5.76	5.37	8.47	9.49	4.43	4.25	3.33	9.70	4.95	3.67
4	3.97	7.65	5.69	5.36	8.09	8.99	4.38	4.57	3.37	9.66	4.59	3.57
5	3.80	7.41	5.46	5.33	7.91	8.58	4.35	4.96	3.50	9.07	4.31	3.61
6	3.68	7.00	5.20	5.30	7.89	8.29	4.31	5.52	3.45	8.56	4.09	4.50
7	3.58	6.79	5.01	5.23	8.40	8.07	4.24	6.17	3.36	7.93	3.92	8.61
8	3.49	6.41	4.86	5.12	8.31	7.85	4.21	6.25	3.36	7.91	3.77	8.95
9	3.44	6.11	4.75	5.06	9.01	7.65	4.27	5.58	3.34	7.46	3.64	10.11
10	3.44	5.90	4.72	5.07	9.70	7.47	4.27	4.93	3.89	6.91	3.63	11.65
11	3.51	5.70	4.85	5.08	10.08	7.30	4.24	4.54	4.01	6.40	5.30	11.72
12	3.70	5.52	4.98	5.07	10.14	7.13	4.30	4.28	4.02	5.84	7.10	11.19
13	3.73	5.33	5.21	5.12	9.91	6.98	4.65	4.07	4.15	5.41	8.02	10.56
14	3.70	5.11	5.67	5.19	9.96	6.73	4.79	3.89	4.35	5.11	8.00	9.85
15	3.71	4.90	6.13	5.21	10.66	6.60	4.62	3.73	4.70	4.83	7.83	9.29
16	3.64	4.73	6.47	5.13	11.80	6.48	4.40	3.58	5.30	4.66	7.52	9.06
17	3.58	4.59	6.92	5.06	12.82	6.35	4.29	3.44	6.26	4.74	7.14	9.17
18	3.74	4.46	7.11	5.06	12.31	6.29	4.33	3.39	7.03	5.01	6.98	9.09
19	3.93	4.42	7.14	5.06	11.66	6.35	4.25	3.39	7.28	5.49	6.81	9.98
20	3.96	4.48	6.89	5.09	11.04	6.16	4.13	3.41	7.61	6.04	6.73	10.48
21	3.94	4.55	6.50	5.10	10.33	5.98	3.99	3.46	7.29	6.73	6.19	10.14
22	3.90	4.75	6.21	5.09	9.64	5.83	3.87	3.50	6.38	8.20	5.87	9.60
23	3.79	4.97	6.02	5.10	9.14	5.67	3.78	3.46	5.83	9.16	5.81	8.90
24	3.67	5.16	5.88	5.03	9.17	5.50	3.67	3.95	5.64	8.75	5.85	8.15
25	3.57	5.24	5.80	4.95	9.48	5.34	3.62	4.11	5.45	7.56	5.75	7.46
26	3.50	5.24	5.75	5.00	10.01	5.21	3.61	3.98	5.92	6.38	5.47	6.94
27	3.50	5.26	5.74	5.93	10.40	5.08	3.66	3.81	8.76	6.22	5.20	11.01
28	3.66	5.40	5.69	6.17	10.63	4.96	3.57	3.63	9.77	6.04	4.82	12.29
29	4.61	5.53	5.69	7.27	10.56	4.86	3.47	3.46	10.66	6.14	4.51	13.46
30	5.34	5.97	5.68	8.71	---	4.77	3.69	3.25	10.87	6.95	4.33	13.12
31	7.09	---	5.64	9.56	---	4.73	---	3.05	---	6.53	4.13	---
MEAN	3.94	5.80	5.81	5.54	9.88	6.80	4.15	4.13	5.51	7.08	5.60	8.80
MAX	7.09	8.69	7.14	9.56	12.82	10.30	4.79	6.25	10.87	10.31	8.02	13.46
MIN	3.44	4.42	4.72	4.95	7.89	4.73	3.47	3.05	3.16	4.66	3.63	3.57

WTR YR 2004 MEAN 6.07 MAX 13.46 MIN 3.05