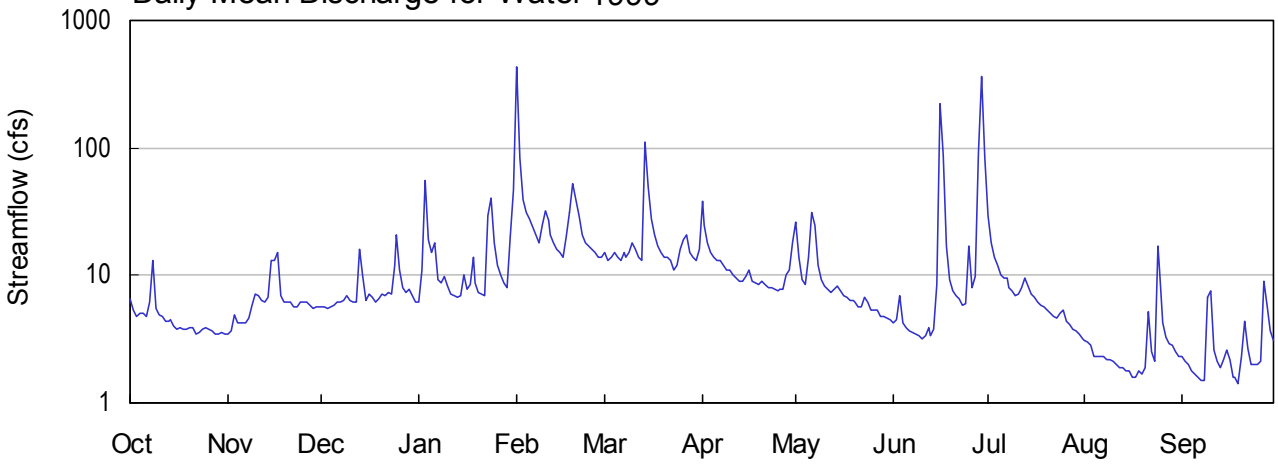
SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GEORGIA

Latitude: 33°40'57" Longitude: 82°51'29" Hydrologic Unit Code: 03060105 Wilkes County

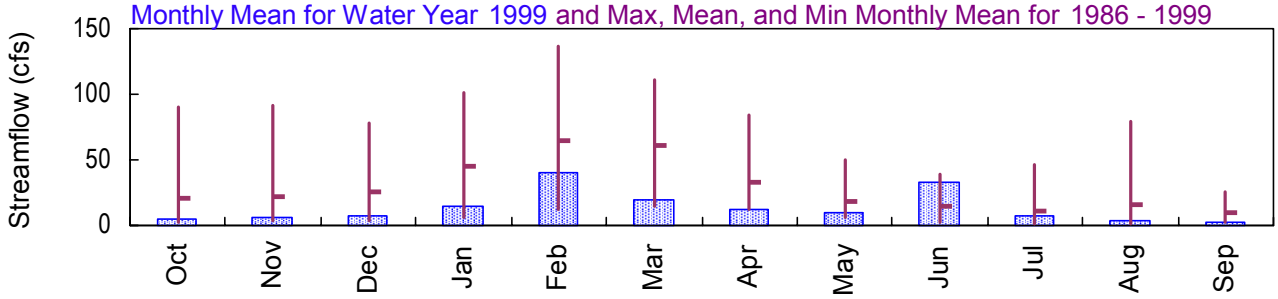
Drainage Area: 33.90 mi^2 Datum: 416.0 feet Period of Record: 1986 - 1999

Daily Mean Discharge for Water 1999

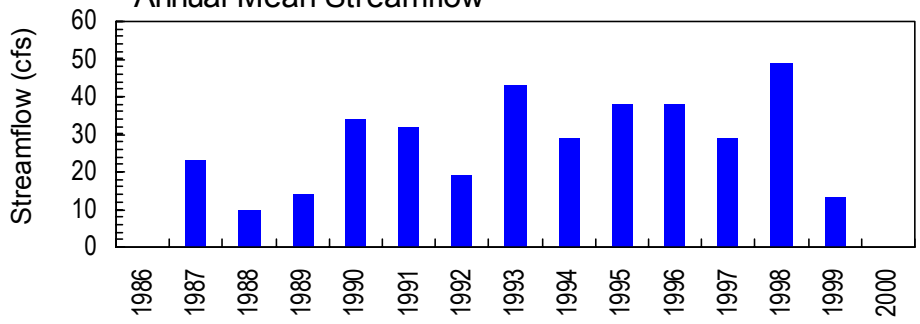


Monthly Statistics

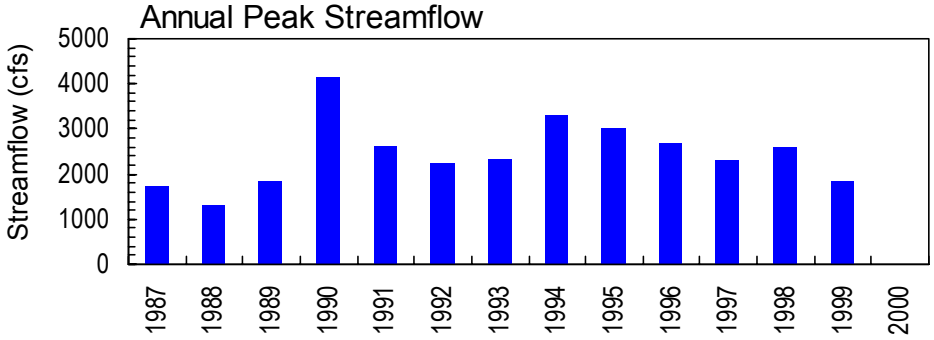
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1986 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



Surface-Water Data, Georgia 1999

SAVANNAH RIVER BASIN
1999 Water Year

02193340 KETTLE CREEK NEAR WASHINGTON, GA.

LOCATION.--Lat 33°40'57", long 82°51'29", Wilkes County, Hydrologic Unit 03060105, on right bank, 300 feet upstream from County Road 68, 1.35 miles upstream from Little Kettle Creek, and 7.8 miles southwest of Washington.

DRAINAGE AREA.--33.9 mi^2.

PERIOD OF RECORD.--April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 416.06 feet above sea level.

REMARKS.--Records good, except those for the period of estimated daily discharge and those less than 10 ft^3/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Feb. 1	1245	960	8.62
Jun. 16	2000	1,010	8.78
Jun. 29	1600	1,840*	11.30*

STATION NUMBER 02193340 KETTLE CREEK NEAR WASHINGTON, GEORGIA STREAM SOURCE AGENCY USGS
LATITUDE 334057 LONGITUDE 0825129 DRAINAGE AREA 33.90 DATUM 416.06 STATE 13 COUNTY 317

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	3.5	5.7	6.1	431	e15	38	26	4.3	29	3.1	2.3
2	5.3	3.7	5.6	11	84	e13	25	14	4.5	18	3.0	2.1
3	4.7	4.9	5.5	55	39	e14	18	9.3	6.9	14	2.8	2.0
4	5.0	4.2	5.7	19	31	e15	15	8.5	4.2	12	2.3	1.8
5	5.1	4.2	5.8	15	e28	e14	14	14	3.9	10	2.3	1.7
6	4.8	4.2	6.1	18	e24	e13	13	31	3.7	9.5	2.3	1.6
7	6.2	4.3	6.1	9.3	e21	e15	13	25	3.6	9.6	2.3	1.5
8	13	4.6	6.4	8.7	e18	e14	12	12	3.5	8.1	2.2	1.5
9	5.5	5.9	7.0	9.8	e25	e15	11	9.3	3.4	7.5	2.2	6.7
10	4.9	7.2	6.3	8.2	e32	e18	11	8.2	3.2	7.0	2.1	7.5
11	4.7	7.0	6.1	7.1	e27	e16	10	7.7	3.4	7.1	2.0	2.6
12	4.4	6.4	6.1	7.0	e21	14	9.6	7.4	3.9	7.9	1.9	2.1
13	4.4	6.1	16	6.7	e18	13	9.1	7.8	3.4	9.4	1.9	1.9
14	4.5	6.7	9.7	6.9	e16	111	9.1	8.2	3.8	8.2	1.8	2.2
15	4.0	13	6.3	10	e15	49	9.9	7.6	8.4	7.2	1.8	2.6
16	3.8	13	7.2	7.8	e14	28	11	7.0	223	6.8	1.6	2.2
17	3.9	15	6.8	8.5	e20	21	8.9	6.7	89	6.2	1.6	1.6
18	3.8	6.9	6.2	14	e31	17	8.7	6.3	17	5.8	1.8	1.6
19	3.8	6.1	6.5	8.8	e52	15	8.6	6.4	9.2	5.6	1.7	1.4
20	3.9	6.2	7.2	7.4	e39	14	8.9	6.1	7.5	5.3	1.9	2.3
21	3.9	6.2	7.0	7.2	e29	14	8.5	5.7	7.0	5.0	5.2	4.4
22	3.5	5.6	7.3	7.0	e21	13	8.1	5.6	6.6	4.7	2.5	2.7
23	3.6	5.7	7.2	29	e18	11	7.9	6.7	5.9	4.6	2.1	2.0
24	3.8	6.1	12	40	e17	12	7.7	6.1	6.0	5.0	17	2.0
25	3.9	6.1	21	18	e16	16	7.5	5.4	17	5.3	11	2.0
26	3.8	6.1	11	12	e15	19	7.7	5.3	7.9	4.4	4.2	2.1
27	3.7	5.8	8.1	10	e14	21	7.8	5.3	9.9	4.1	3.3	8.9
28	3.5	5.5	7.3	8.8	e14	15	10	4.8	91	3.8	2.9	5.8
29	3.5	5.6	7.7	8.1	---	14	11	4.7	360	3.7	2.8	3.7
30	3.6	5.7	7.0	20	---	13	18	4.6	84	3.5	2.5	3.1
31	3.5	---	6.2	47	---	16	---	4.5	---	3.2	2.3	---

TOTAL	142.5	191.5	240.1	451.4	1130	608	358.0	287.2	1005.1	241.5	98.4	85.9
MEAN	4.60	6.38	7.75	14.6	40.4	19.6	11.9	9.26	33.5	7.79	3.17	2.86
MAX	13	15	21	55	431	111	38	31	360	29	17	8.9
MIN	3.5	3.5	5.5	6.1	14	11	7.5	4.5	3.2	3.2	1.6	1.4
CFSM	.14	.19	.23	.43	1.19	.58	.35	.27	.99	.23	.09	.08
IN.	.16	.21	.26	.50	1.24	.67	.39	.32	1.10	.27	.11	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1999, BY WATER YEAR (WY)

MEAN	20.8	22.2	26.1	44.7	65.1	61.2	33.4	18.2	14.7	11.0	15.6	9.45
MAX	89.7	91.5	78.3	101	137	111	84.5	49.6	39.6	45.9	78.7	25.1
(WY)	1990	1993	1998	1993	1995	1993	1998	1991	1994	1994	1994	1994
MIN	2.20	4.09	3.95	6.68	12.0	15.2	11.9	6.25	2.49	1.49	.72	2.30
(WY)	1989	1989	1989	1989	1989	1988	1999	1994	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1986 - 1999	
ANNUAL TOTAL	14512.2		4839.6			
ANNUAL MEAN	39.8		13.3		28.7	
HIGHEST ANNUAL MEAN					49.0	1998
LOWEST ANNUAL MEAN					10.4	1988
HIGHEST DAILY MEAN	1570	Feb 4	431	Feb 1	2170	Oct 1 1989
LOWEST DAILY MEAN	3.5	Oct 22	1.4	Sep 19	.12	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 27	1.7	Aug 13	.23	Aug 23 1988
INSTANTANEOUS PEAK FLOW			1840	Jun 29	4150	Oct 1 1989
INSTANTANEOUS PEAK STAGE			11.30	Jun 29	17.68	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.17		.39		.85	
ANNUAL RUNOFF (INCHES)	15.92		5.31		11.49	
10 PERCENT EXCEEDS	60		21		46	
50 PERCENT EXCEEDS	10		7.0		12	
90 PERCENT EXCEEDS	4.3		2.3		2.9	

STATISTICS COMPUTED BY: gabailey DATE: 03/24/2000 AT: 07:43:02

e Estimated