

ALTAMAHA RIVER BASIN

02215100

TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.

Latitude: 32° 14' 22"

Longitude: 83° 30' 06"

Hydrologic Unit Code: 03070104

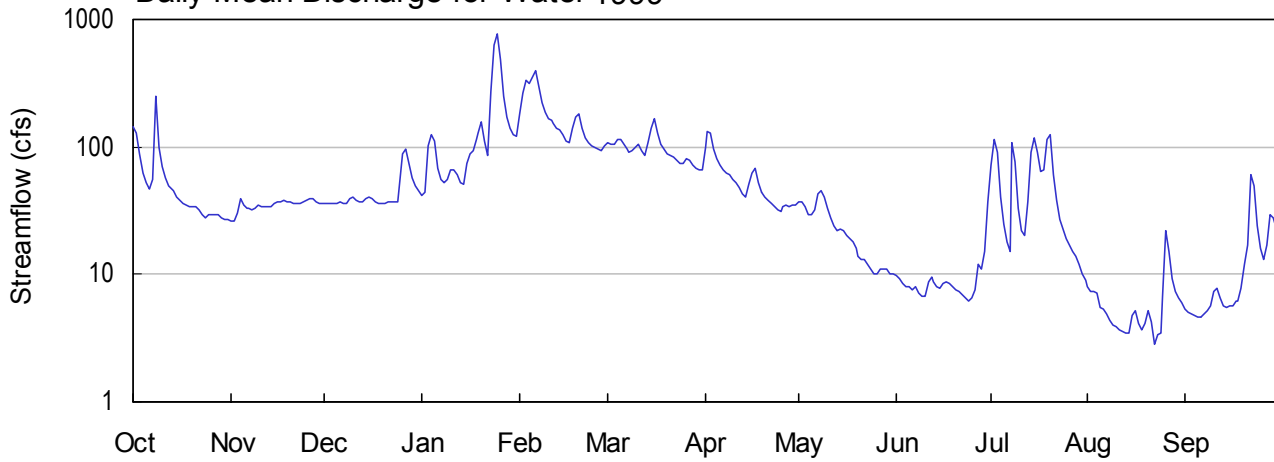
Pulaski County

Drainage Area: 163.00 mi²

Datum: 210.4 feet

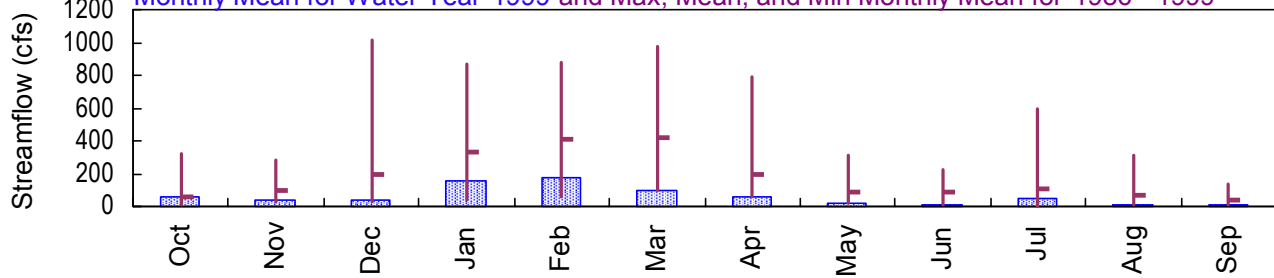
Period of Record: 1986 - 1999

Daily Mean Discharge for Water 1999

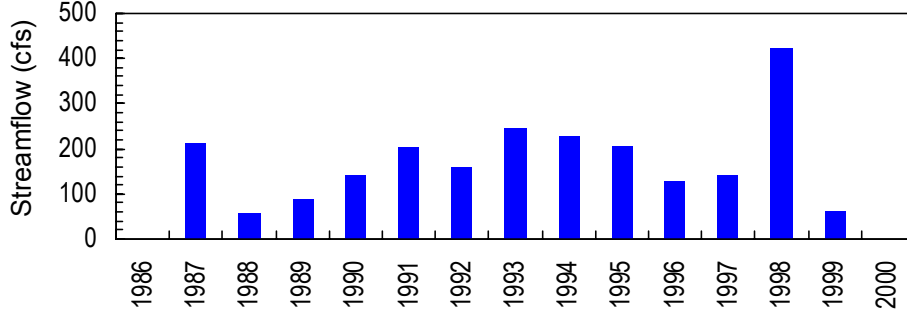


Monthly Statistics

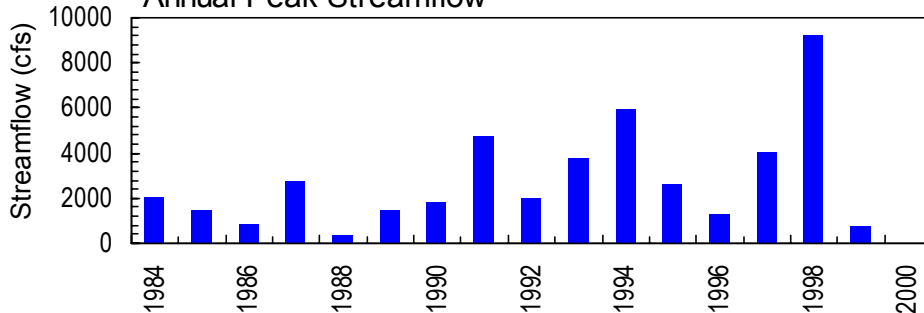
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1986 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS
science for a changing world

02215100 - TucsaWhatchee Creek near Hawkinsville, GA

**ALTAMAHA RIVER BASIN
1999 Water Year**

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA

LOCATION.—Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, on left bank 90 feet upstream from State Highways 27 and 257, 0.6 miles upstream from Cedar Creek, 0.6 miles downstream from Long Branch, and 3.5 miles southwest of Hawkinsville.

DRAINAGE AREA.--163 mi².

PERIOD OF RECORD.--Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 210.49 feet above sea level (from Georgia Department of Transportation). Dec. 6, 1984 to Apr. 1, 1986, crest-stage gage at site 100 feet downstream at datum 3.00 feet higher.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Jan. 25	0700	811*	7.65*

No other peaks greater than base discharge

STATION NUMBER 02215100 TUCSAWHATCHEE C (GA HWY 27) NR HAWKINSVILLE, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 321422 LONGITUDE 0833006 DRAINAGE AREA 163 DATUM 210.49 STATE 13 COUNTY 235

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	144	26	36	42	182	107	98	37	9.7	72	8.0	5.4
2	130	26	36	44	262	106	132	37	9.2	115	7.4	5.0
3	87	30	36	101	330	104	127	34	8.6	92	7.3	4.9
4	63	39	36	125	319	116	95	29	8.1	41	7.1	4.8
5	53	35	36	111	355	115	80	29	7.9	25	5.5	4.6
6	47	33	37	68	395	104	72	32	7.5	18	5.3	4.6
7	55	33	36	56	295	97	67	43	7.9	15	4.9	4.9
8	251	32	36	53	221	92	63	45	7.2	107	4.4	5.2
9	98	33	39	55	187	93	61	40	6.7	76	4.0	5.6
10	71	35	40	67	168	100	56	33	6.7	33	3.9	7.3
11	58	34	38	67	160	104	52	28	8.7	22	3.7	7.8
12	49	34	37	60	154	93	48	24	9.4	20	3.6	6.5
13	47	34	37	52	140	85	43	22	8.8	37	3.5	5.7
14	46	34	39	51	135	108	40	23	8.0	92	3.5	5.5
15	41	36	40	75	124	140	51	22	7.8	118	4.7	5.6
16	38	37	39	87	111	167	62	20	8.4	90	5.2	5.7
17	36	37	37	93	109	129	69	19	8.8	65	4.1	6.1
18	35	38	36	114	140	105	52	18	8.5	67	3.7	6.2
19	34	37	36	127	174	95	44	16	8.0	116	4.1	7.8
20	34	37	36	159	180	89	40	14	7.5	124	5.2	12
21	34	36	37	111	141	85	38	13	7.3	61	4.2	17
22	32	36	37	86	118	83	36	13	6.9	38	2.8	60
23	29	36	37	269	107	78	34	12	6.5	27	3.4	49
24	28	37	37	621	101	74	32	11	6.2	23	3.5	24
25	29	38	49	775	98	74	31	10	6.6	19	6.7	16
26	29	39	89	492	96	81	34	10	7.6	17	22	13
27	29	39	96	248	93	79	35	11	12	15	15	17
28	29	37	75	173	102	73	34	11	11	14	9.3	29
29	28	36	57	139	---	69	35	11	15	12	7.3	28
30	27	36	50	125	---	66	35	10	37	10	6.6	23
31	27	---	45	122	---	67	---	10	---	9.0	6.0	---

TOTAL	1738	1050	1352	4768	4997	2978	1696	687	279.5	1590.0	185.9	397.2
MEAN	56.1	35.0	43.6	154	178	96.1	56.5	22.2	9.32	51.3	6.00	13.2
MAX	251	39	96	775	395	167	132	45	37	124	22	60
MIN	27	26	36	42	93	66	31	10	6.2	9.0	2.8	4.6
CFSM	.34	.21	.27	.94	1.09	.59	.35	.14	.06	.31	.04	.08
IN.	.40	.24	.31	1.09	1.14	.68	.39	.16	.06	.36	.04	.09

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

MEAN	55.7	93.3	197	330	407	419	198	91.4	84.5	103	64.1	40.1
MAX	320	282	1014	871	882	972	791	311	224	592	312	137
(WY)	1995	1998	1998	1987	1998	1998	1998	1991	1989	1994	1991	1998
MIN	12.7	24.5	30.5	39.7	56.5	96.1	55.9	19.3	9.32	4.17	6.00	6.91
(WY)	1988	1989	1988	1989	1989	1999	1986	1986	1999	1986	1999	1990

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1986 - 1999

ANNUAL TOTAL		115429.3		21718.6								
ANNUAL MEAN		316		59.5						175		
HIGHEST ANNUAL MEAN										421		1998
LOWEST ANNUAL MEAN										56.3		1988
HIGHEST DAILY MEAN		8230	Mar 9		775	Jan 25		8230		Mar 9		1998
LOWEST DAILY MEAN		8.3	Aug 31		2.8	Aug 22		1.1		Jul 23		1986
ANNUAL SEVEN-DAY MINIMUM		9.5	Aug 27		3.8	Aug 8		1.4		Jul 20		1986
INSTANTANEOUS PEAK FLOW					811	Jan 25		9240		Mar 9		1998
INSTANTANEOUS PEAK STAGE					7.65	Jan 25		17.56		Mar 9		1998
INSTANTANEOUS LOW FLOW					2.7	Aug 22		1.1		Jul 23		1986
ANNUAL RUNOFF (CFSM)		1.94			.37			1.08				
ANNUAL RUNOFF (INCHES)		26.34			4.96			14.62				
10 PERCENT EXCEEDS		718			125			399				
50 PERCENT EXCEEDS		71			37			61				
90 PERCENT EXCEEDS		22			6.2			13				

STATISTICS COMPUTED BY: rnichols

DATE: 09/13/2000 AT: 10:30:04