

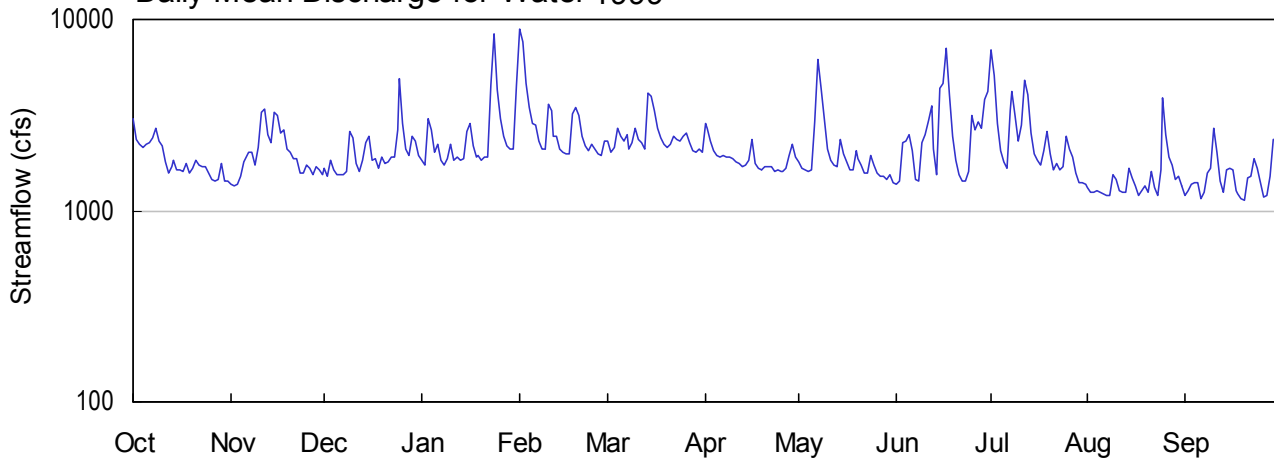
APALACHICOLA RIVER BASIN

02338000

CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

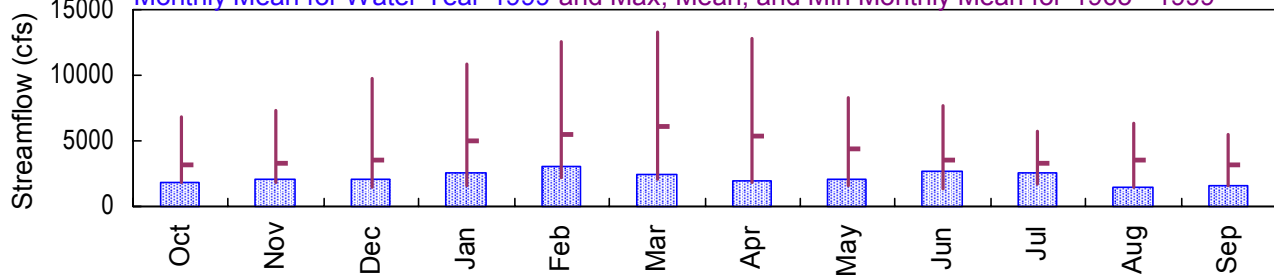
Latitude: 33° 28' 37" Longitude: 84° 54' 04" Hydrologic Unit Code: 03130002 Carroll County
 Drainage Area: 2430.0 mi² Datum: 682.0 feet Period of Record: 1965 - 1999

Daily Mean Discharge for Water 1999

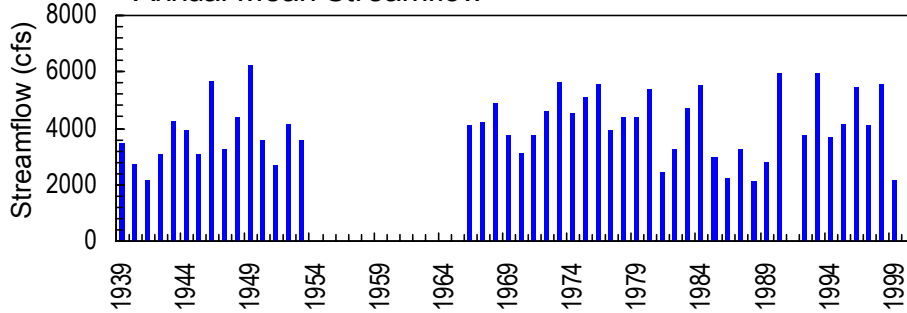


Monthly Statistics

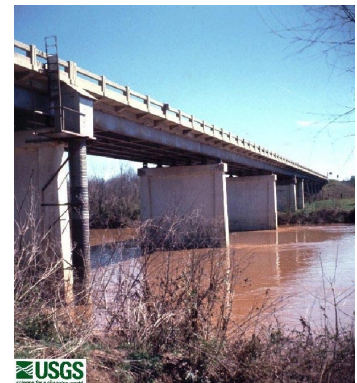
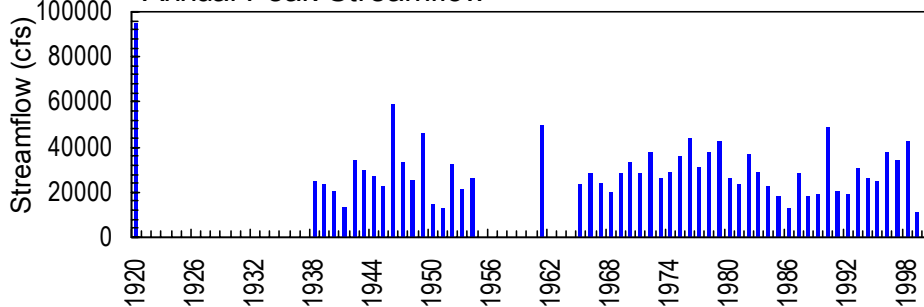
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1965 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



02338000 - Chattahoochee River near Whitesburg, GA - March 12, 1973

**APALACHICOLA RIVER BASIN
1999 Water Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA
(National Water-Quality Assessment station)**

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 miles upstream from Central of Georgia Railroad bridge, 1.2 miles southeast of Whitesburg, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 feet above sea level. Prior to May 1, 1949, non-recording gage located at site 1.0 mile upstream at datum 2.00 feet higher. From May 1, 1949 to June 30, 1954, non-recording gage located at present site at datum 2.00 feet higher.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by the operation of the Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--49 years (water years 1939-53, 1966-current year), 4,027 ft³/s, 22.50 in/yr.

**APALACHICOLA RIVER BASIN
1999 Water Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA-continued
(National Water-Quality Assessment station)**

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 miles upstream from Central of Georgia Railroad bridge, 1.2 miles southeast of Whitesburg, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi², approximately.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 332837 LONGITUDE 0845404 DRAINAGE AREA 2430.00 DATUM 682.06 STATE 13 COUNTY 045

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	3010	1380	1660	1820	8910	2290	2860	1790	1380	6880	1330	1200
2	2360	1350	1520	1730	7630	2010	2690	1680	1440	5110	1260	1280
3	2240	1370	1840	3050	4640	2160	2290	1640	2260	2880	1250	1370
4	2150	1510	1630	2640	3460	2720	2050	1600	2330	2050	1280	1410
5	2220	1810	1550	2030	2870	2450	1960	1630	2480	1810	1240	1390
6	2280	1940	1540	2220	2800	2300	1920	2890	2060	1660	1220	1150
7	2390	2030	1550	1840	2320	2510	1940	6140	1460	3360	1210	1260
8	2710	2020	1590	1730	2110	2080	1920	4340	1420	4230	1190	1560
9	2310	1740	2600	1860	2110	2280	1890	3040	2250	3150	1550	1680
10	2190	2150	2410	2210	3570	2720	1860	2090	2490	2310	1470	2710
11	1810	3240	1780	1840	3320	2350	1810	1830	2960	2780	1270	2030
12	1570	3390	1600	1910	2430	2270	1750	1720	3540	4770	1250	1430
13	1700	2490	1850	1850	2430	2100	1710	1700	2080	4020	1250	1240
14	1840	2270	2270	1860	2110	4140	1720	2350	1540	2530	1670	1650
15	1620	3300	2460	2610	2020	4000	1840	1990	4380	1980	1480	1660
16	1620	3170	1850	2840	1990	3350	2370	1810	4640	1850	1360	1630
17	1600	2560	1860	2180	1980	2710	1770	1620	7020	1720	1190	1270
18	1770	2630	1670	1900	3200	2410	1680	1650	4040	2050	1280	1230
19	1570	2120	1910	1930	3480	2230	1650	2040	2440	2580	1360	1160
20	1670	2020	1780	1840	3140	2130	1700	1870	1850	1970	1240	1140
21	1820	1880	1810	1900	2440	2240	1690	1740	1540	1640	1600	1490
22	1720	1860	1900	1910	2190	2460	1710	1570	1440	1750	1310	1510
23	1690	1580	1920	4540	2070	2370	1610	1560	1420	1630	1200	1880
24	1690	1580	2650	8330	2230	2310	1620	1950	1600	1690	1620	1670
25	1580	1740	4920	4320	2120	2450	1610	1730	3150	2440	3910	1410
26	1460	1660	2870	3040	2000	2530	1610	1560	2670	2080	2500	1180
27	1440	1540	2080	2460	1960	2260	1660	1520	2940	1900	1920	1210
28	1450	1710	1940	2170	2290	2070	1960	1500	2680	1580	1740	1510
29	1750	1630	2470	2090	---	2020	2240	1470	3810	1410	1450	2360
30	1440	1530	2300	2100	---	2110	1900	1530	4240	1390	1510	2350
31	1420	---	1960	4580	---	2020	---	1390	---	1370	1360	---

TOTAL	58090	61200	63740	79330	83820	76050	56990	62940	79550	78570	46470	46020
MEAN	1874	2040	2056	2559	2994	2453	1900	2030	2652	2535	1499	1534
MAX	3010	3390	4920	8330	8910	4140	2860	6140	7020	6880	3910	2710
MIN	1420	1350	1520	1730	1960	2010	1610	1390	1380	1370	1190	1140
CFSM	.77	.84	.85	1.05	1.23	1.01	.78	.84	1.09	1.04	.62	.63
IN.	.89	.94	.98	1.21	1.28	1.16	.87	.96	1.22	1.20	.71	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1999, BY WATER YEAR (WY)

MEAN	3214	3324	3505	4977	5507	6091	5411	4414	3482	3310	3491	3169
MAX	6800	7349	9716	10900	12550	13320	12830	8335	7734	5721	6396	5545
(WY)	1990	1993	1993	1993	1990	1990	1979	1984	1973	1994	1984	1967
MIN	1831	1830	1477	1643	2141	2060	1797	1603	1383	1651	1499	1534
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1965 - 1999

ANNUAL TOTAL		1874260				792770						
ANNUAL MEAN		5135				2172				4154		
HIGHEST ANNUAL MEAN										5959		1990
LOWEST ANNUAL MEAN										2112		1988
HIGHEST DAILY MEAN		41500	Mar 9			8910	Feb 1			47600	Mar 18	1990
LOWEST DAILY MEAN		1350	Nov 2			1140	Sep 20			1090	Oct 1	1988
ANNUAL SEVEN-DAY MINIMUM		1450	Oct 28			1240	Aug 2			1200	May 31	1988
INSTANTANEOUS PEAK FLOW						11100	Jan 23			48700	Mar 18	1990
INSTANTANEOUS PEAK STAGE						10.21	Jan 23			25.90	Mar 18	1990
ANNUAL RUNOFF (CFSM)		2.11				.89				1.71		
ANNUAL RUNOFF (INCHES)		28.69				12.14				23.22		
10 PERCENT EXCEEDS		9910				3160				7760		
50 PERCENT EXCEEDS		3590				1900				3120		
90 PERCENT EXCEEDS		1700				1390				1760		

STATISTICS COMPUTED BY: gabailey

DATE: 01/02/2001 AT: 15:57:41

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 02338000 - CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT						
19...	1541	1028	1600	21.7	16	69
19...	1546	1028	1600	21.7	17	73
NOV						
17...	1519	1028	2740	17.1	36	266
17...	1524	1028	2740	17.1	46	340
JAN						
28...	1308	1028	2200	13.2	30	178
28...	1313	1028	2200	13.2	35	208
MAR						
12...	1744	1028	2330	12.9	12	75
12...	1749	1028	2330	12.9	10	63
APR						
13...	1056	1028	1760	19.8	16	76
13...	1101	1028	1760	19.8	15	71
AUG						
09...	1757	1028	2040	29.9	25	138
09...	1802	1028	2040	29.9	25	138
SEP						
09...	1056	1028	1790	26.1	39	188
09...	1101	1028	1790	26.1	37	179
23...	1625	1028	1890	--	26	133
23...	1630	1028	1890	--	26	133