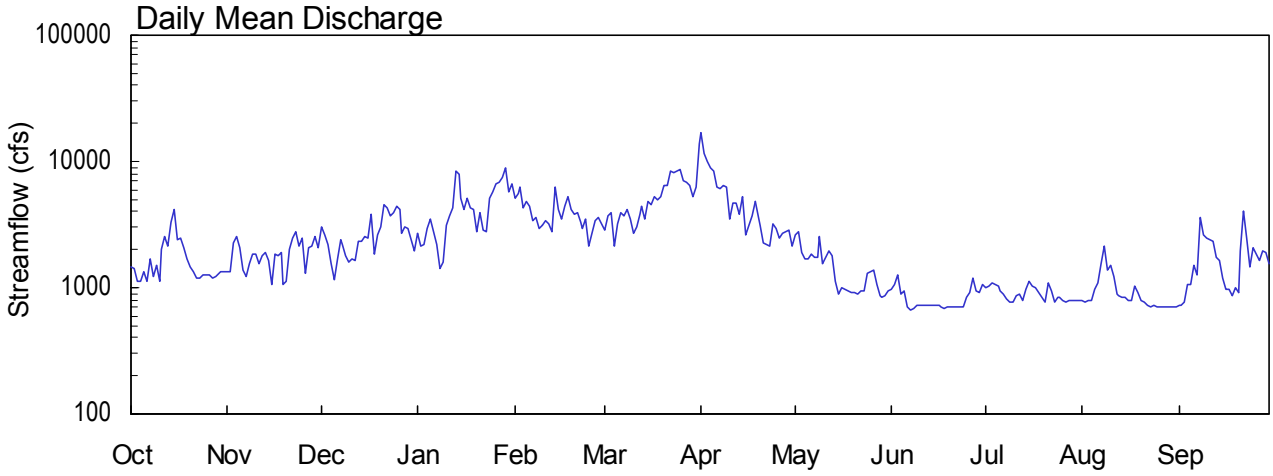
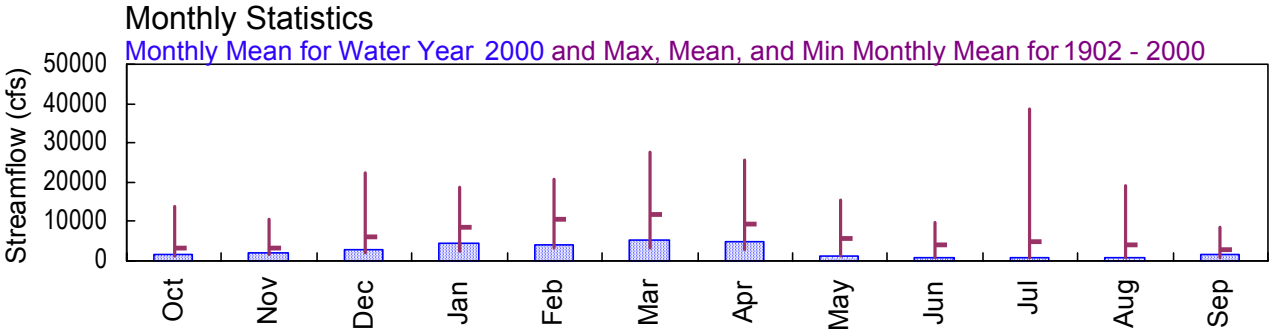
# APALACHICOLA RIVER BASIN

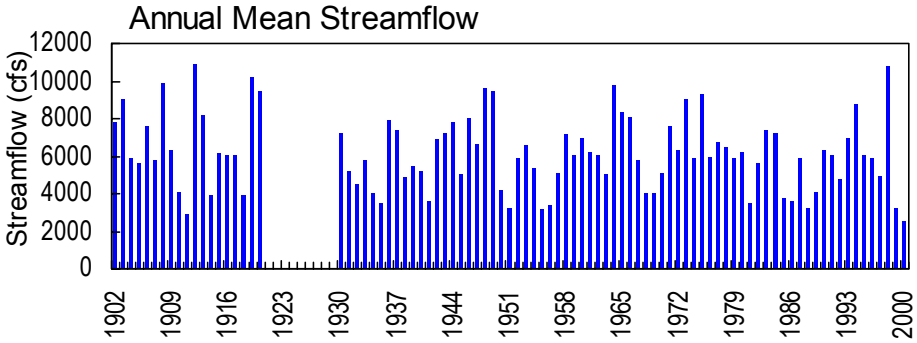
## 2000 Water Year

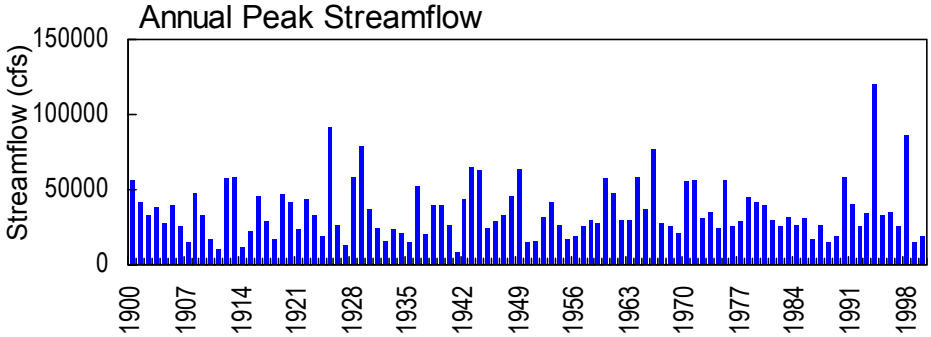
## 02352500 FLINT RIVER AT ALBANY, GA

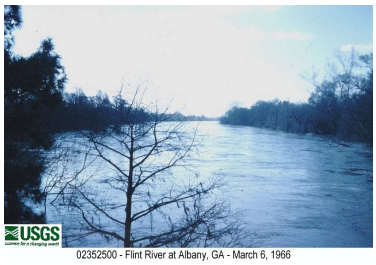
Latitude: 31°35'39" Longitude: 84°08'39" Hydrologic Unit Code: 03130008 Dougherty County
Drainage Area: 5310 $mi^2$ Datum: 150.0 feet Period of Record: 1902 - 2000






02352500 - Flint River at Albany, GA - March 6, 1966

## APALACHICOLA RIVER BASIN
## 2000 Water Year

### 02352500 FLINT RIVER AT ALBANY, GA

**LOCATION.--**Lat 31°35'39", long 84°08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, 0.5 miles downstream from Muckafoonee Creek, and at mile 103.4.

**DRAINAGE AREA.--**5,310 $mi^2$, approximately.

### WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.--**February 1897 to September 1901 (gage height only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1.0 mile downstream since 1893 are contained in reports of National Weather Service.

**REVISED RECORDS.--**WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area; WDR GA-95-1:1994.

**GAGE.—**Phone telemetry with a water-stage recorder. Datum of gage is 150.03 feet above sea level. Prior to Jan. 1, 1902, non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From Jan. 1, 1902 to June 30, 1921, non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

**REMARKS.--**Records good. Flow regulated by power plants at Flint River Reservoir since 1921 with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930 with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff.

**EXTREMES OUTSIDE PERIOD OF RECORD.--**Flood of Jan. 21, 1925 reached a stage of 37.84 feet, from flood marks, present site and datum, discharge, 92,000 $ft^3/s$.

**PEAK DISCHARGES FOR CURRENT YEAR.--**Peak discharges greater than base discharge of 20,000 $ft^3/s$ and maximum (*):

| DATE | TIME | DISCHARGE ($ft^3/s$) | GAGE HEIGHT (ft) |
|---|---|---|---|
| Apr. 1 | 0645 | 19,000* | 14.35* |

No other peaks greater than base discharge

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS
LATITUDE 313539 LONGITUDE 0840839 DRAINAGE AREA 5310.00 DATUM 150.03 STATE 13 COUNTY 095
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1480 | 1330 | 3040 | 2730 | 5160 | 2850 | 16900 | 2580 | 963 | 1010 | 791 | 735 |
| 2 | 1420 | 1320 | 2610 | 2110 | 5550 | 3720 | 11700 | 2800 | 1050 | 1030 | 772 | 729 |
| 3 | 1110 | 2280 | 2200 | 2210 | 6230 | 3980 | 10000 | 1900 | 1260 | 1100 | 800 | 762 |
| 4 | 1120 | 2560 | 1570 | 2960 | 4270 | 2110 | 8900 | 1680 | 878 | 1060 | 803 | 1070 |
| 5 | 1340 | 2090 | 1160 | 3490 | 4840 | 3220 | 8380 | 1670 | 957 | 1030 | 964 | 1050 |
| 6 | 1120 | 1390 | 1700 | 2750 | 4470 | 3950 | 6350 | 1830 | 712 | 956 | 1090 | 1490 |
| 7 | 1710 | 1230 | 2400 | 2190 | 3360 | 3750 | 6170 | 1740 | 673 | 891 | 1560 | 1280 |
| 8 | 1220 | 1530 | 2170 | 1420 | 3650 | 4170 | 6540 | 1750 | 693 | 805 | 2110 | 3640 |
| 9 | 1490 | 1870 | 1800 | 1610 | 2960 | 3540 | 6360 | 2550 | 722 | 780 | 1390 | 2620 |
| 10 | 1130 | 1850 | 1580 | 3130 | 3140 | 2720 | 3510 | 1550 | 722 | 759 | 1490 | 2490 |
| 11 | 2030 | 1540 | 1710 | 3670 | 3380 | 3030 | 4710 | 1750 | 721 | 852 | 1240 | 2370 |
| 12 | 2540 | 1770 | 1650 | 4340 | 3220 | 3820 | 4650 | 1940 | 720 | 887 | 894 | 2320 |
| 13 | 2140 | 1910 | 2320 | 8420 | 2780 | 4360 | 3810 | 1780 | 718 | 793 | 855 | 1760 |
| 14 | 3350 | 1640 | 2350 | 7970 | 6230 | 3520 | 5210 | 1130 | 718 | 978 | 846 | 1640 |
| 15 | 4120 | 1050 | 2560 | 5180 | 4210 | 4820 | 2600 | 885 | 716 | 1120 | 838 | 1190 |
| 16 | 2370 | 1850 | 2450 | 4210 | 3540 | 4500 | 3100 | 1010 | 720 | 1040 | 795 | 973 |
| 17 | 2480 | 1810 | 3780 | 5060 | 4440 | 5330 | 3720 | 973 | 715 | 996 | 800 | 960 |
| 18 | 2050 | 1920 | 1860 | 4240 | 5200 | 4990 | 4830 | 941 | 683 | 928 | 1020 | 861 |
| 19 | 1700 | 1050 | 2600 | 4120 | 4230 | 5280 | 3630 | 919 | 701 | 848 | 920 | 987 |
| 20 | 1470 | 1140 | 3040 | 2780 | 3820 | 6370 | 3110 | 914 | 698 | 778 | 792 | 929 |
| 21 | 1320 | 2030 | 4510 | 3990 | 3900 | 6550 | 2230 | 898 | 700 | 1100 | 762 | 1980 |
| 22 | 1190 | 2470 | 4250 | 2850 | 3350 | 8360 | 2200 | 940 | 703 | 956 | 723 | 4020 |
| 23 | 1200 | 2770 | 3760 | 2780 | 2980 | 8210 | 2110 | 941 | 704 | 777 | 700 | 2470 |
| 24 | 1270 | 2120 | 3970 | 5110 | 3460 | 8460 | 3250 | 1300 | 704 | 834 | 717 | 1450 |
| 25 | 1270 | 2480 | 4400 | 5700 | 2160 | 8740 | 2920 | 1340 | 830 | 835 | 714 | 2050 |
| 26 | 1280 | 1300 | 4230 | 6670 | 2680 | 7000 | 2490 | 1380 | 927 | 795 | 704 | 1850 |
| 27 | 1180 | 2090 | 2700 | 6800 | 3420 | 6920 | 2730 | 1070 | 1190 | 777 | 705 | 1640 |
| 28 | 1210 | 2120 | 3000 | 7480 | 3630 | 6460 | 2770 | 863 | 934 | 789 | 707 | 1930 |
| 29 | 1300 | 2550 | 2940 | 8920 | 3220 | 5270 | 2860 | 837 | 921 | 784 | 704 | 1890 |
| 30 | 1320 | 2090 | 2390 | 5780 | --- | 6190 | 2150 | 856 | 1070 | 784 | 706 | 1540 |
| 31 | 1330 | --- | 1930 | 6680 | --- | 13800 | --- | 941 | --- | 782 | 712 | --- |
| TOTAL | 51260 | 55150 | 82630 | 137350 | 113480 | 165990 | 149890 | 43658 | 24423 | 27854 | 28624 | 50676 |
| MEAN | 1654 | 1838 | 2665 | 4431 | 3913 | 5355 | 4996 | 1408 | 814 | 899 | 923 | 1689 |
| MAX | 4120 | 2770 | 4510 | 8920 | 6230 | 13800 | 16900 | 2800 | 1260 | 1120 | 2110 | 4020 |
| MIN | 1110 | 1050 | 1160 | 1420 | 2160 | 2110 | 2110 | 837 | 673 | 759 | 700 | 729 |
| CFSM | .31 | .35 | .50 | .83 | .74 | 1.01 | .94 | .27 | .15 | .17 | .17 | .32 |
| IN. | .36 | .39 | .58 | .96 | .80 | 1.16 | 1.05 | .31 | .17 | .20 | .20 | .36 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2000, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | 3111 | 3432 | 6115 | 8452 | 10520 | 11790 | 9373 | 5636 | 3967 | 4698 | 4042 | 2827 |
| MAX | 13970 | 10520 | 22210 | 18590 | 20680 | 27490 | 25500 | 15410 | 9722 | 38480 | 18950 | 8709 |
| (WY) | 1930 | 1931 | 1949 | 1964 | 1908 | 1998 | 1944 | 1920 | 1973 | 1994 | 1919 | 1903 |
| MIN | 1175 | 1428 | 1993 | 2306 | 3252 | 3053 | 2984 | 1408 | 814 | 814 | 907 | 986 |
| (WY) | 1955 | 1932 | 1989 | 1956 | 1989 | 1911 | 1986 | 2000 | 2000 | 1986 | 1988 | 1999 |

| SUMMARY STATISTICS | FOR 1999 CALENDAR YEAR | | FOR 2000 WATER YEAR | | WATER YEARS 1902 - 2000 | |
|---|---|---|---|---|---|---|
| ANNUAL TOTAL | 1104329 | | 930985 | | | |
| ANNUAL MEAN | 3026 | | 2544 | | 6158 | |
| HIGHEST ANNUAL MEAN | | | | | 10910 | 1912 |
| LOWEST ANNUAL MEAN | | | | | 2544 | 2000 |
| HIGHEST DAILY MEAN | 14300 | Feb 6 | 16900 | Apr 1 | 119000 | Jul 10 1994 |
| LOWEST DAILY MEAN | 604 | Sep 17 | 673 | Jun 7 | 327 | Aug 24 1930 |
| ANNUAL SEVEN-DAY MINIMUM | 724 | Sep 13 | 699 | Jun 18 | 699 | Jun 18 2000 |
| INSTANTANEOUS PEAK FLOW | | | 19000 | Apr 1 | 120000 | Jul 11 1994 |
| INSTANTANEOUS PEAK STAGE | | | 14.35 | Apr 1 | 43.00 | Jul 11 1994 |
| INSTANTANEOUS LOW FLOW | | | 483 | Aug 19 | | |
| ANNUAL RUNOFF (CFSM) | .57 | | .48 | | 1.16 | |
| ANNUAL RUNOFF (INCHES) | 7.74 | | 6.52 | | 15.76 | |
| 10 PERCENT EXCEEDS | 5460 | | 5200 | | 13100 | |
| 50 PERCENT EXCEEDS | 2450 | | 1860 | | 4120 | |
| 90 PERCENT EXCEEDS | 1060 | | 777 | | 1720 | |

STATISTICS COMPUTED BY: sjones DATE: 01/31/2001 AT: 11:34:22