



2004 Water Year APALACHICOLA RIVER BASIN

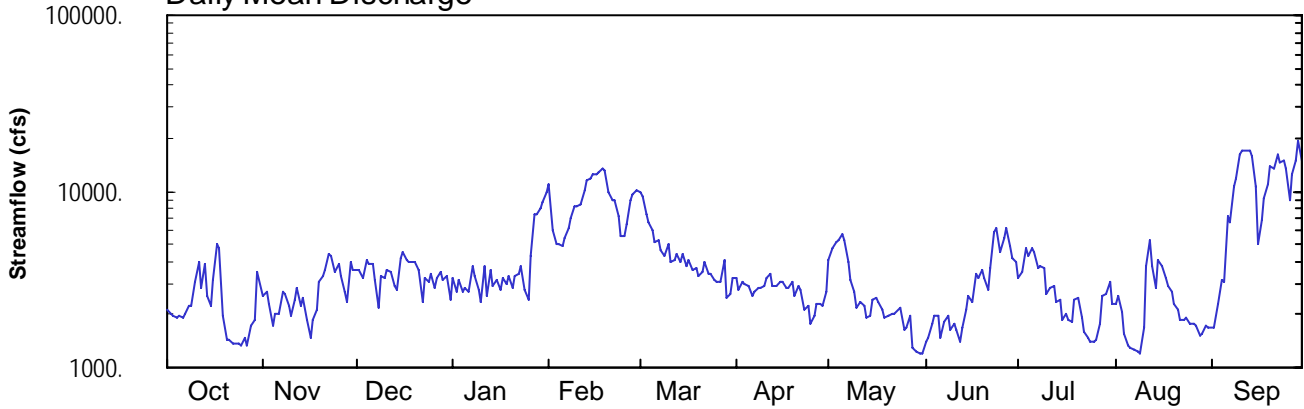
02352500 FLINT RIVER AT ALBANY, GA

Latitude: 31° 35 ' 39"
Dougherty County

Longitude: 084° 08 ' 39"
Datum: 150.03 feet

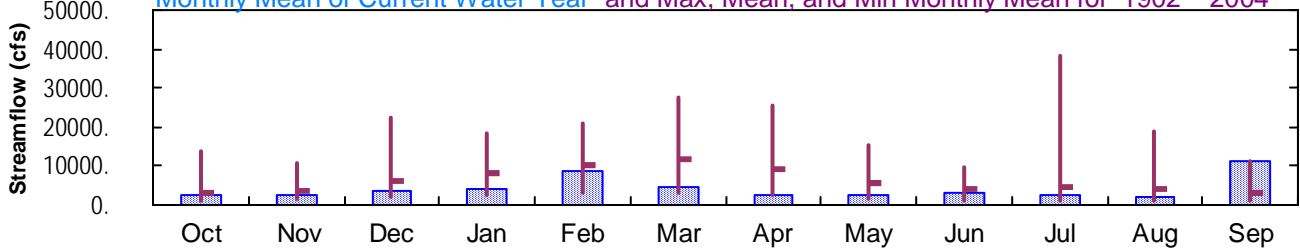
Hydrologic Unit Code: 03130008
Drainage Area: 5310. mi²

Daily Mean Discharge

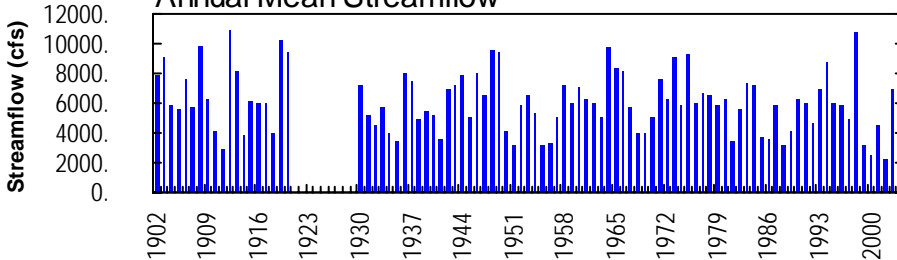


Monthly Statistics

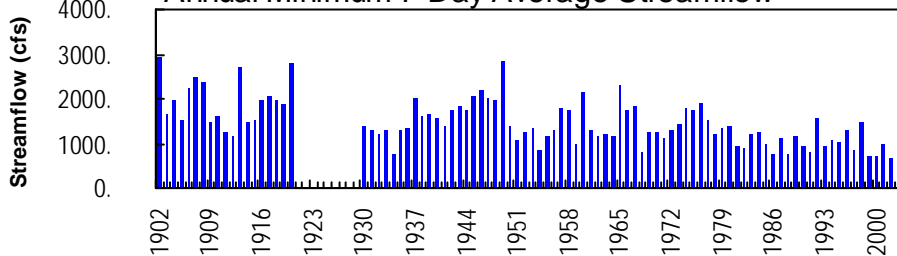
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1902–2004



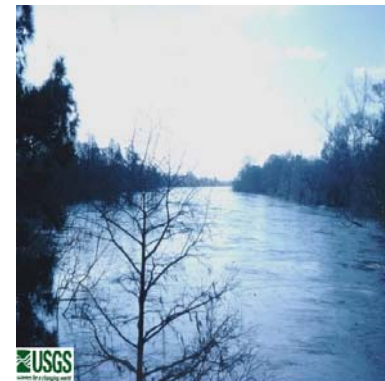
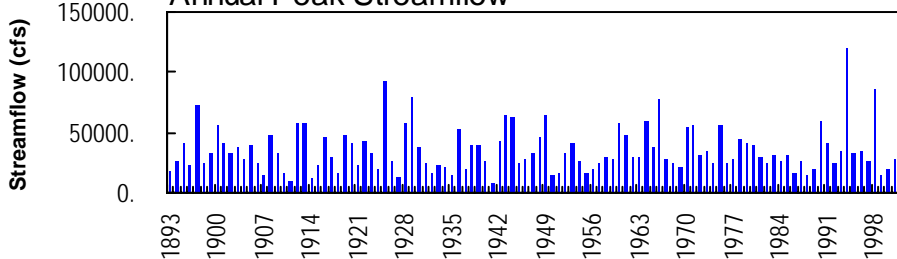
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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

**APALACHICOLA RIVER BASIN
2004 Water Year**

02352500 FLINT RIVER AT ALBANY, GA

LOCATION.—Lat 31°35'39", long 84°08'39" referenced to North American Datum (NAD) of 1927, 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 square miles, 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.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a 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 January 21, 1925 reached a stage of 37.84 feet, from flood marks, present site and datum, discharge, 92,000 cfs.

WATER-STAGE 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.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.16 feet, September 29; minimum gage-height recorded, 1.27 feet, August 11.

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

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
 LATITUDE 313539 LONGITUDE 0840839 NAD83 DRAINAGE AREA 5310.00* CONTRIBUTING DRAINAGE AREA DATUM 150.03 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	2120	2580	3540	3220	10900	9970	3200	4090	1420	3230	2310	1700
2	1990	2680	3530	2660	5960	9420	2730	4720	1490	3520	2540	1680
3	1950	2300	3190	3120	4980	7400	3030	5150	1780	4760	2100	2300
4	1910	1710	4110	2670	4980	6600	3010	5310	1960	4310	1550	3120
5	1950	2010	3850	2800	4910	6050	2920	5740	1960	4750	1340	3070
6	1910	2030	3890	2670	5380	5110	2540	5270	1460	4550	1290	7250
7	2000	2690	3170	3790	6230	5340	2700	3960	1840	3630	1250	6730
8	2240	2590	2170	3350	7030	4700	2810	3140	1980	3770	1220	10700
9	2250	2250	3310	2770	8190	4310	2800	2660	1660	3640	1190	11800
10	3080	1970	3250	2380	8320	5020	2930	2170	1770	2600	1700	16000
11	4000	2450	3620	3820	8350	4010	3200	2360	1650	2850	3780	17000
12	2830	2850	3530	2530	10200	4090	3350	2240	1390	2870	5230	17300
13	3900	2230	2910	3580	11600	4380	2880	1940	1680	2380	3730	16900
14	2520	2500	2720	2910	11800	3980	2940	1950	2130	2400	2860	15900
15	2230	1880	4150	3150	12400	4350	3050	2410	2580	1870	4080	10600
16	3140	1460	4540	2790	12600	3720	3020	2490	2370	2020	3810	5060
17	5020	1880	4110	3260	12700	4070	2810	2360	3440	1860	3250	6780
18	4750	2100	3930	2960	13500	3580	2860	2110	3250	1800	2940	9200
19	1960	3100	3950	3270	13300	3640	3050	1900	3590	2410	2670	10900
20	1440	3330	3950	2840	9990	3330	2520	1970	3190	2470	2280	14000
21	1450	3540	3570	3300	8940	3510	2870	2040	2790	1930	2100	13400
22	1380	4440	2340	3430	8870	4000	2730	2040	3690	1590	1860	16000
23	1360	4340	3230	3740	7220	3360	2150	2130	5820	1490	1870	14600
24	1350	3450	3030	2780	5590	3430	2210	2160	6100	1400	1900	14800
25	1340	3880	3410	2430	5530	3130	1780	1630	4570	1400	1800	13400
26	1490	3350	2820	4310	6550	3030	1960	1690	5430	1440	1790	9010
27	1340	2660	3200	7400	8920	3030	2280	1950	6130	1770	1740	12500
28	1730	2350	3510	7340	9670	4080	2270	1310	4830	2560	1530	14900
29	1860	3990	3160	8020	10200	2500	2260	1220	4230	2590	1570	19600
30	3470	3550	3300	8580	---	2620	2680	1210	3950	3030	1710	15200
31	2860	---	2420	9910	---	3250	---	1210	---	2320	1700	---
TOTAL	72820	82140	105410	121780	254810	139010	81540	82530	90130	83210	70690	331400
MEAN	2349	2738	3400	3928	8787	4484	2718	2662	3004	2684	2280	11050
MAX	5020	4440	4540	9910	13500	9970	3350	5740	6130	4760	5230	19600
MIN	1340	1460	2170	2380	4910	2500	1780	1210	1390	1400	1190	1680
CFSM	0.44	0.52	0.64	0.74	1.65	0.84	0.51	0.50	0.57	0.51	0.43	2.08
IN.	0.51	0.58	0.74	0.85	1.79	0.97	0.57	0.58	0.63	0.58	0.50	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

	3060	3409	5991	8255	10320	11720	9231	5598	3997	4653	3985	2885
MEAN	3060	3409	5991	8255	10320	11720	9231	5598	3997	4653	3985	2885
MAX	13970	10520	22210	18590	20680	27490	25500	15410	9722	38480	18950	11050
(WY)	1930	1931	1949	1964	1908	1998	1944	1920	1973	1994	1919	2004
MIN	1099	1374	1993	2306	3252	3053	2718	1408	814	814	861	986
(WY)	2001	2002	1989	1956	1989	1911	2004	2000	2000	1986	2002	1999

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1902 - 2004
ANNUAL TOTAL	2422250	1515470	
ANNUAL MEAN	6636	4141	6086
HIGHEST ANNUAL MEAN			10910
LOWEST ANNUAL MEAN			2204
HIGHEST DAILY MEAN	23800	May 15	119000
LOWEST DAILY MEAN	1310	Sep 16	327
ANNUAL SEVEN-DAY MINIMUM	1390	Oct 21	1360
MAXIMUM PEAK FLOW			21400
MAXIMUM PEAK STAGE			16.16
INSTANTANEOUS LOW FLOW			562
ANNUAL RUNOFF (CFSM)	1.25	0.780	1.15
ANNUAL RUNOFF (INCHES)	16.97	10.62	15.57
10 PERCENT EXCEEDS	13800	8960	13000
50 PERCENT EXCEEDS	5200	3040	4080
90 PERCENT EXCEEDS	2110	1700	1680

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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	3.45	3.84	4.55	4.30	8.79	8.27	4.32	4.91	2.72	4.13	3.43	2.91
2	3.33	3.89	4.55	3.86	5.99	7.97	3.95	5.30	2.77	4.38	3.65	2.89
3	3.29	3.57	4.30	4.20	5.42	6.84	4.20	5.56	3.06	5.25	3.22	3.43
4	3.26	3.01	4.90	3.92	5.43	6.39	4.18	5.66	3.22	4.95	2.70	4.12
5	3.29	3.31	4.72	3.99	5.40	6.07	4.11	5.92	3.23	5.24	2.50	4.04
6	3.25	3.30	4.73	3.92	5.67	5.49	3.82	5.63	2.77	5.11	2.44	6.80
7	3.34	3.83	4.23	4.66	6.18	5.66	3.95	4.81	3.13	4.48	2.39	6.42
8	3.55	3.72	3.45	4.39	6.65	5.27	4.03	4.28	3.25	4.53	2.35	8.68
9	3.56	3.50	4.35	4.00	7.31	5.03	4.03	3.92	2.93	4.46	2.32	9.30
10	4.21	3.27	4.32	3.66	7.38	5.47	4.12	3.50	3.04	3.66	2.82	12.09
11	4.77	3.66	4.57	4.67	7.40	4.85	4.32	3.67	2.93	3.85	4.53	12.84
12	3.93	3.89	4.53	3.77	8.42	4.90	4.43	3.57	2.51	3.85	5.57	13.05
13	4.63	3.50	4.01	4.54	9.20	5.08	4.06	3.28	2.95	3.46	4.55	12.75
14	3.73	3.67	3.87	4.08	9.29	4.76	4.13	3.29	3.41	3.47	3.86	12.03
15	3.32	3.16	4.77	4.26	9.63	5.07	4.21	3.71	3.82	3.03	4.79	8.66
16	4.23	2.76	5.08	4.01	9.77	4.63	4.19	3.78	3.60	3.13	4.61	5.47
17	5.35	3.18	4.89	4.35	9.84	4.89	4.03	3.66	4.39	3.04	4.18	6.49
18	5.21	3.37	4.76	4.07	10.35	4.53	4.07	3.44	4.26	3.00	3.98	7.85
19	3.16	4.19	4.77	4.33	10.18	4.59	4.19	3.25	4.50	3.54	3.77	8.77
20	2.74	4.39	4.75	4.04	8.28	4.32	3.81	3.30	4.20	3.56	3.45	10.66
21	2.75	4.52	4.53	4.38	7.71	4.41	4.08	3.38	3.87	3.10	3.29	10.27
22	2.65	5.06	3.60	4.46	7.68	4.82	3.97	3.38	4.53	2.79	3.07	12.12
23	2.65	5.01	4.31	4.66	6.77	4.39	3.48	3.46	5.95	2.68	3.09	11.05
24	2.64	4.45	4.14	3.94	5.79	4.43	3.54	3.49	6.11	2.57	3.10	11.22
25	2.63	4.71	4.44	3.68	5.77	4.21	3.12	2.95	5.09	2.57	3.01	10.36
26	2.80	4.38	4.04	4.98	6.38	4.11	3.30	2.96	5.67	2.61	3.01	7.74
27	2.62	3.81	4.26	6.88	7.69	4.19	3.60	3.18	6.14	2.94	2.95	9.79
28	3.07	3.64	4.49	6.85	8.09	4.89	3.59	2.57	5.31	3.69	2.72	11.32
29	3.08	4.79	4.28	7.22	8.37	3.58	3.58	2.46	4.89	3.70	2.77	14.81
30	4.44	4.56	4.37	7.52	---	3.83	3.91	2.46	4.67	4.04	2.90	11.56
31	4.00	---	3.68	8.24	---	4.35	---	2.47	---	3.45	2.91	---
MEAN	3.51	3.86	4.39	4.70	7.61	5.07	3.94	3.78	3.96	3.69	3.35	8.98
MAX	5.35	5.06	5.08	8.24	10.35	8.27	4.43	5.92	6.14	5.25	5.57	14.81
MIN	2.62	2.76	3.45	3.66	5.40	3.58	3.12	2.46	2.51	2.57	2.32	2.89