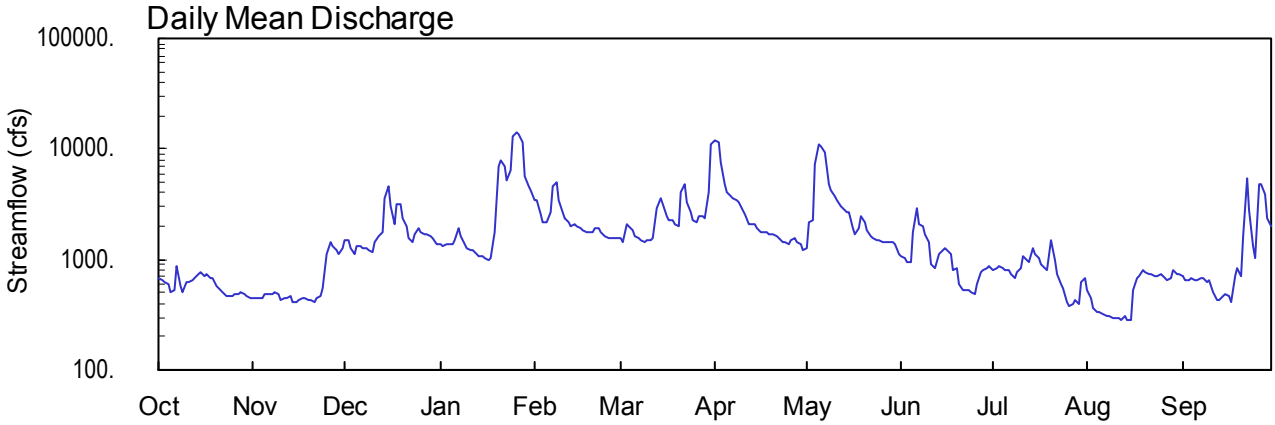
MOBILE RIVER BASIN

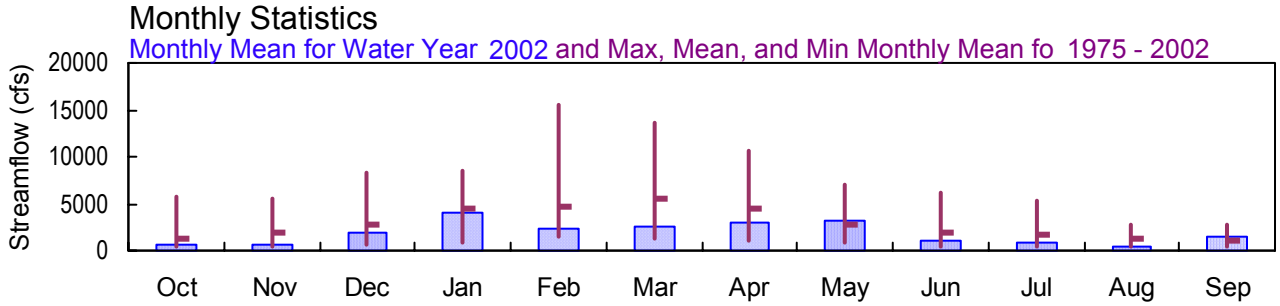
2002 Water Year

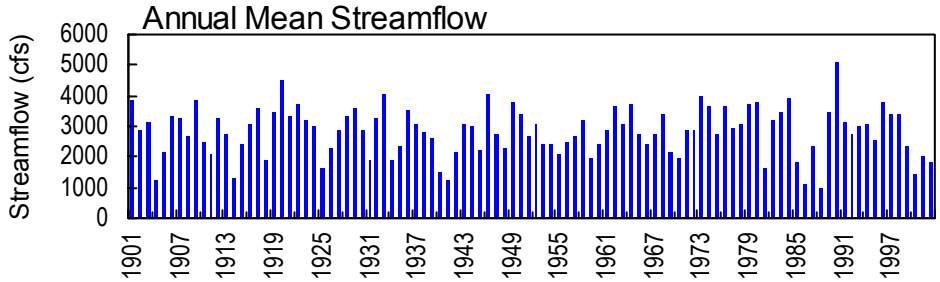
02387500 OOSTANAULA RIVER AT RESACA, GA

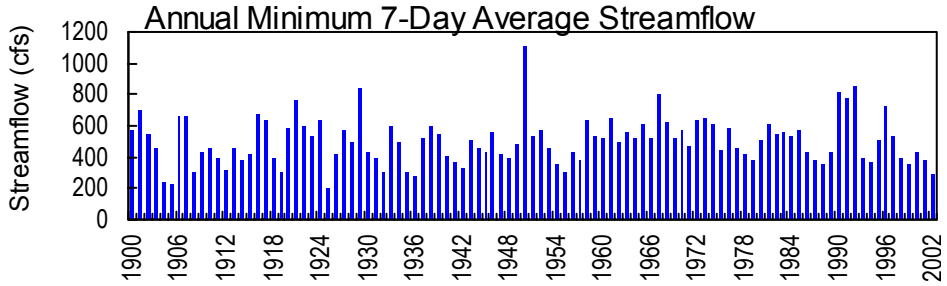
Latitude: 34°34'42" Longitude: 84°56'29" Hydrologic Unit Code: 03150103 Gordon County

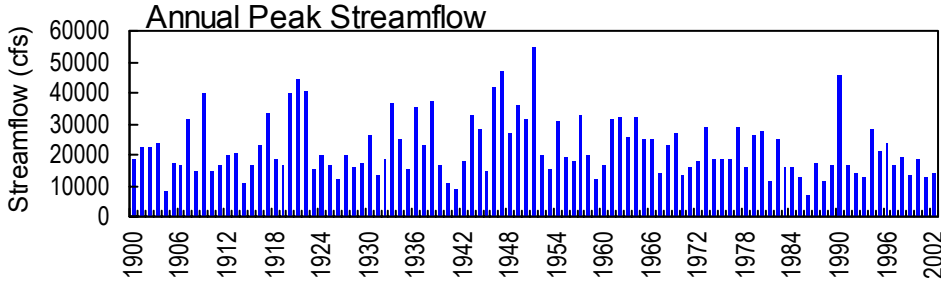
Drainage Area: 1,602. mi^2 Datum: 604.14 feet











02387500 - Oostanaula River at Resaca, GA - March 14, 1973

MOBILE RIVER BASIN
2002 Water Year

02387500 OOSTANAULA RIVER AT RESACA, GA

LOCATION.—Lat 34°34'42", long 84°56'29" referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150103, on downstream side of center pier of bridge on US 41 at Resaca, 200 feet downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 miles upstream from Camp Creek, and 3.5 miles downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.—1,600 mi^2.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1892 to current year. Monthly discharge only for October 1892, published in WSP 1304.

REVISED RECORDS.—WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22. 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946- 47(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Carters Lake and re-regulation dam. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 36.6 feet, April 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft^3/s.

02387500 OOSTANAULA RIVER AT RESACA, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1892 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.32 feet, January 26; minimum gage-height recorded, 1.29 feet, August 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29
Date Processed: 2003-03-11 13:22 By acday
APPROVED
DD #2, DCP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	678	447	1520	1370	3450	e1590	12200	1260	1060	791	521	698
2	641	445	1510	1330	3440	e1450	11700	2130	1040	830	451	654
3	628	450	1270	1350	2530	e2050	e7670	2240	950	879	370	657
4	587	451	1120	1390	2180	2040	4710	7370	950	831	338	671
5	507	491	1320	1400	2170	1860	4020	10900	1750	805	329	659
6	539	481	1300	1500	2700	1630	3710	10600	e2900	793	317	661
7	872	489	1270	1890	4660	1530	3600	9150	e2080	743	302	674
8	569	503	1280	1640	4900	1470	3380	4850	e1960	e681	303	680
9	517	479	1210	1400	3450	1430	3280	4180	1660	e775	298	e630
10	614	430	1170	1280	2730	e1510	2840	3780	1410	837	297	e656
11	623	440	1440	1200	2390	1520	2550	3480	915	1060	297	517
12	641	449	1620	1190	2150	1530	2120	3070	824	977	288	425
13	670	459	1750	1140	2000	2850	2110	2880	1140	944	303	435
14	723	413	3540	1060	2060	3640	2070	e2650	e1160	1290	281	461
15	772	417	4520	1060	1990	e3130	1920	e2630	e1260	1110	280	479
16	717	427	3050	1040	1940	2420	1790	e1910	1220	1020	526	472
17	727	440	2050	1000	1870	2240	1780	1720	1130	908	673	409
18	683	444	3220	1020	1770	2250	1740	e1880	e793	849	707	702
19	666	437	3160	1800	1740	2100	1710	e2460	e830	806	805	832
20	566	429	2400	6910	1730	e2040	1680	2190	609	1470	774	699
21	531	420	2020	7820	1880	3980	1600	e1840	527	983	743	1610
22	501	441	1590	6920	e1900	4810	1530	e1630	527	742	730	5430
23	474	459	1460	5230	e1750	3270	1440	1560	529	602	704	e2820
24	457	541	1690	6380	1650	2640	1410	1520	512	557	712	e1310
25	466	1100	1920	12800	1550	2300	1400	1470	484	420	728	e1030
26	491	1440	1800	14100	1550	e2140	1520	1440	589	378	673	e4750
27	490	1310	1700	13600	1530	e2450	1550	1410	779	394	660	e4860
28	499	1200	1670	11700	1560	e2510	1460	1430	801	421	679	e3900
29	487	1100	1650	5730	---	2380	1380	1430	836	398	793	e2400
30	472	1290	1540	4510	---	4010	1200	e1370	855	632	748	e2030
31	447	---	1390	4250	---	11100	---	e1100	---	e667	729	---
TOTAL	18255	18322	58150	125010	65220	81870	91070	97530	32080	24593	16359	42211
MEAN	589	611	1876	4033	2329	2641	3036	3146	1069	793	528	1407
MAX	872	1440	4520	14100	4900	11100	12200	10900	2900	1470	805	5430
MIN	447	413	1120	1000	1530	1430	1200	1100	484	378	280	409
CFSM	0.37	0.38	1.17	2.52	1.45	1.65	1.89	1.96	0.67	0.50	0.33	0.88
IN.	0.42	0.43	1.35	2.90	1.51	1.90	2.11	2.26	0.74	0.57	0.38	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	1381	1986	2865	4389	4766	5621	4465	2789	1975	1602	1179	1151
MAX	5843	5560	8388	8517	15450	13530	10630	6948	6110	5327	2735	2732
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	396	462	629	830	1435	1314	1060	751	397	452	511	449
(WY)	1979	1988	1988	1981	2000	1988	1986	1988	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	744108		670670			
ANNUAL MEAN	2039		1837		2838	
HIGHEST ANNUAL MEAN					5056	1990
LOWEST ANNUAL MEAN					978	1988
HIGHEST DAILY MEAN	12200	Jan 20	14100	Jan 26	44400	Feb 18 1990
LOWEST DAILY MEAN	413	Nov 14	280	Aug 15	280	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	430	Nov 14	292	Aug 9	292	Aug 9 2002
MAXIMUM PEAK FLOW			14300	Jan 26	45500	Feb 18 1990
MAXIMUM PEAK STAGE			19.32	Jan 26	32.59	Feb 18 1990
ANNUAL RUNOFF (CFSM)	1.27		1.15		1.77	
ANNUAL RUNOFF (INCHES)	17.28		15.57		24.07	
10 PERCENT EXCEEDS	4070		3670		6340	
50 PERCENT EXCEEDS	1390		1290		1730	
90 PERCENT EXCEEDS	531		450		578	

e Estimated

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

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29
Date Processed: 2003-03-11 13:22 By acday
APPROVED
DD #3, DCP
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	1.80	4.13	3.85	7.23	---	17.14	3.63	3.25	2.67	2.00	2.45
2	2.31	1.80	4.11	3.78	7.22	---	16.61	5.21	3.20	2.75	1.81	2.34
3	2.28	1.81	3.66	3.83	5.84	---	---	5.37	3.02	2.86	1.58	2.35
4	2.17	1.81	3.37	3.89	5.28	5.06	8.93	11.99	3.02	2.76	1.49	2.38
5	1.96	1.92	3.76	3.91	5.26	4.74	8.03	15.91	4.47	2.70	1.46	2.35
6	2.05	1.90	3.72	4.10	6.11	4.33	7.60	15.61	---	2.67	1.42	2.36
7	2.84	1.92	3.66	4.80	8.86	4.15	7.44	14.06	---	2.55	1.37	2.39
8	2.14	1.95	3.68	4.34	9.18	4.05	7.12	9.11	---	---	1.38	2.40
9	1.99	1.89	3.55	3.91	7.23	3.96	6.99	8.24	4.38	---	1.36	---
10	2.24	1.76	3.47	3.67	6.17	---	6.33	7.69	3.92	2.76	1.36	---
11	2.26	1.78	3.98	3.52	5.63	4.13	5.88	7.27	2.93	3.25	1.36	1.99
12	2.31	1.81	4.31	3.50	5.23	4.15	5.18	6.67	2.74	3.08	1.33	1.74
13	2.38	1.84	4.54	3.41	4.98	6.33	5.16	6.38	3.41	3.00	1.38	1.77
14	2.51	1.71	7.32	3.25	5.08	7.50	5.09	---	---	3.71	1.31	1.84
15	2.62	1.72	8.69	3.24	4.96	---	4.85	---	---	3.34	1.31	1.89
16	2.49	1.75	6.62	3.22	4.87	5.68	4.62	---	3.56	3.16	2.00	1.87
17	2.52	1.78	5.06	3.13	4.75	5.38	4.59	4.49	3.37	2.93	2.39	1.69
18	2.41	1.79	6.90	3.16	4.59	5.40	4.53	---	---	2.80	2.47	2.44
19	2.37	1.77	6.81	4.48	4.53	5.14	4.47	---	---	2.70	2.70	2.76
20	2.12	1.75	5.64	11.61	4.50	---	4.42	5.29	2.22	4.04	2.63	2.45
21	2.03	1.73	5.02	12.63	4.77	7.91	4.27	---	2.02	3.07	2.55	4.14
22	1.95	1.78	4.25	11.60	---	9.06	4.16	---	2.02	2.55	2.52	9.84
23	1.88	1.84	4.02	9.61	---	6.96	3.98	4.21	2.02	2.21	2.46	---
24	1.83	2.05	4.43	10.96	4.37	6.01	3.93	4.12	1.98	2.10	2.48	---
25	1.85	3.29	4.85	17.69	4.19	5.48	3.91	4.04	1.90	1.72	2.52	---
26	1.92	3.98	4.63	19.15	4.19	---	4.13	3.99	2.18	1.61	2.39	---
27	1.92	3.74	4.45	18.57	4.15	---	4.19	3.92	2.64	1.65	2.35	---
28	1.94	3.53	4.40	16.71	4.21	---	4.01	3.97	2.69	1.73	2.40	---
29	1.91	3.33	4.37	10.21	---	5.62	3.87	3.97	2.77	1.66	2.67	---
30	1.87	3.70	4.17	8.68	---	7.89	3.53	---	2.81	2.28	2.57	---
31	1.80	---	3.89	8.33	---	16.02	---	---	---	---	2.52	---
MEAN	2.17	2.17	4.69	7.31	---	---	---	---	---	---	1.99	---
MAX	2.84	3.98	8.69	19.15	---	---	---	---	---	---	2.70	---
MIN	1.80	1.71	3.37	3.13	---	---	---	---	---	---	1.31	---

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

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29
Date Processed: 2003-03-11 13:22 By acday
APPROVED
DD #7, DCP
PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.00	0.23	---	---	1.02	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	---	0.00	0.08	0.00	0.07	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
6	0.38	0.00	0.00	0.83	0.90	0.00	0.00	0.00	0.01	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.75	0.02	0.00	0.00	0.00
8	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.30	0.26	0.34	0.00	0.00	0.00	0.00
10	0.00	0.00	0.94	0.00	0.03	0.00	0.00	---	0.00	3.49	0.00	0.00
11	0.00	0.00	0.00	0.03	0.00	0.00	0.01	---	0.00	0.01	0.00	0.00
12	0.43	0.00	0.00	0.00	0.01	---	0.32	0.25	0.00	0.00	0.00	0.00
13	0.18	0.00	0.93	0.00	0.00	---	0.00	0.04	0.80	0.99	0.00	0.11
14	0.33	0.00	0.55	0.00	0.00	0.00	0.03	0.00	0.37	0.00	0.00	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	---
16	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.01
17	0.00	0.00	1.03	0.00	0.00	0.01	1.23	0.82	0.00	0.00	0.51	0.49
18	0.00	0.00	0.00	0.10	0.00	0.06	0.00	0.02	---	0.00	0.08	0.08
19	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	---	0.00	0.04	0.00
20	0.00	0.00	0.00	0.00	0.33	---	0.00	0.00	0.14	0.00	0.01	1.21
21	0.00	0.00	0.00	0.74	0.00	---	0.00	0.00	0.00	0.00	0.00	0.93
22	0.00	0.00	0.00	0.16	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.19
23	0.00	0.33	0.36	0.55	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
24	0.13	0.96	0.00	1.96	0.00	0.00	---	0.00	0.01	0.00	0.02	0.00
25	0.06	0.42	0.00	0.04	0.00	0.00	---	0.00	0.06	0.00	0.51	---
26	0.00	0.00	0.00	0.00	0.04	0.37	---	0.07	0.00	0.00	0.00	---
27	0.00	0.00	0.00	0.00	0.00	0.00	---	0.11	0.20	0.00	0.07	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.22	0.00	0.10	0.00
29	0.00	0.42	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00
30	0.00	0.33	0.00	0.00	---	---	0.18	0.00	0.05	0.00	0.06	0.00
31	0.00	---	0.00	0.00	---	---	---	0.00	---	0.00	0.00	---
TOTAL	1.51	2.46	3.83	6.16	1.73	---	---	---	---	4.85	1.47	---