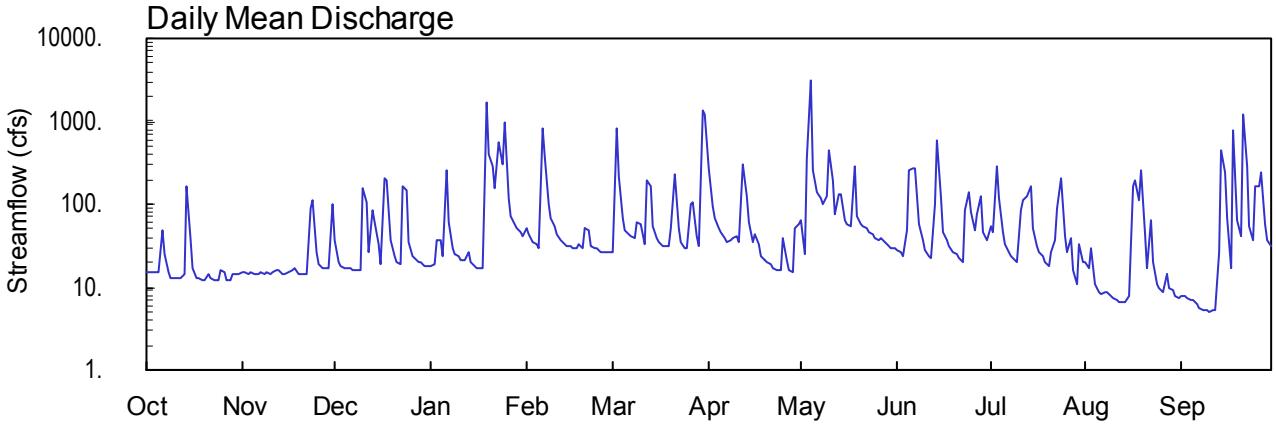
APALACHICOLA RIVER BASIN

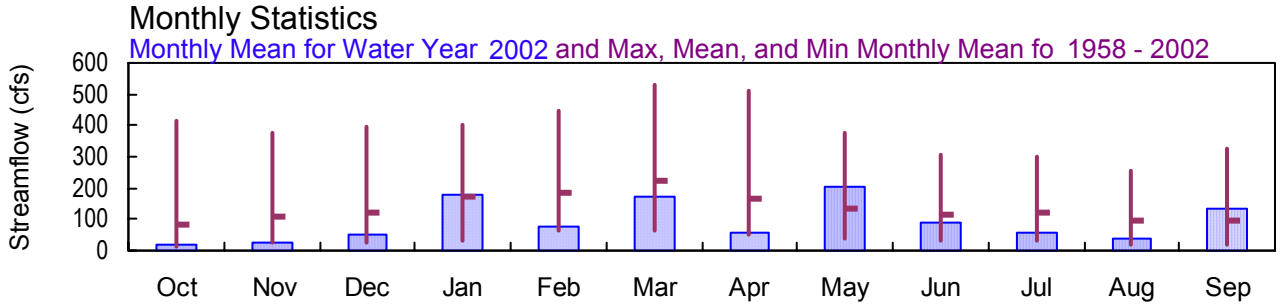
2002 Water Year

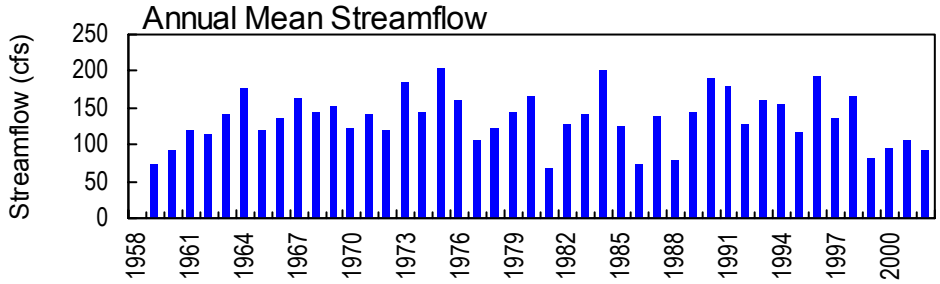
02336300 PEACHTREE CREEK AT ATLANTA, GA

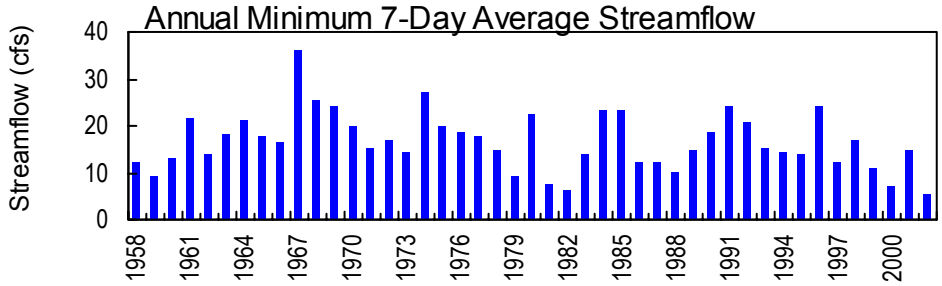
Latitude: 33°49'10" Longitude: 84°24'28" Hydrologic Unit Code: 03130001 Fulton County

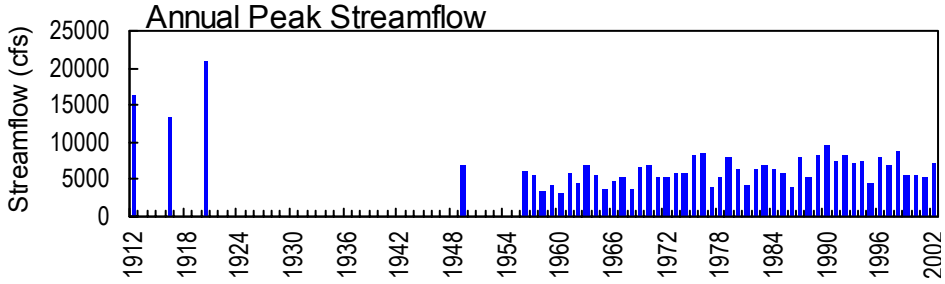
Drainage Area: 86.8 mi^2 Datum: 763.96 feet











02336300 - Peachtree Creek at Atlanta, GA - March 13, 1975

APALACHICOLA RIVER BASIN
2002 Water Year

02336300 PEACHTREE CREEK AT ATLANTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°49'10", long 84°24'28" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive, 0.4 miles downstream from Tanyard Branch, and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 mi^2.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

REVISED RECORDS.—WDR GA-96-1: 1995 (P, daily discharge, daily stage and monthly runoff).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE-HEIGHT (ft)
Jan. 19	1645	5,140	15.22
Jan. 25	0130	2,920	11.47
Mar. 30	2245	4,960	14.94
May 4	1045	7,270*	18.18*
Sep. 21	2015	6,520	17.19

02336300 PEACHTREE CREEK AT ATLANTA, GA--continued.
(National Water-Quality Assessment station)

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.18 feet, May 4; minimum gage-height recorded, 2.19 feet, September 9-11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 5, 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 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29
Date Processed: 2003-03-11 10:28 By acday
APPROVED
DD #1

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	15	15	36	18	50	26	271	64	28	53	20	7.9
2	15	15	20	19	43	835	93	25	26	47	17	7.8
3	15	14	18	36	34	212	67	349	23	284	29	7.3
4	15	15	17	37	33	67	52	3090	48	121	11	7.1
5	15	14	17	23	29	49	46	263	260	46	8.5	6.8
6	49	14	17	254	816	44	39	140	271	33	8.1	6.2
7	25	15	16	61	380	41	35	116	278	27	8.9	5.7
8	15	14	16	30	98	38	37	102	56	23	8.6	5.4
9	13	15	16	25	66	61	39	126	36	21	7.6	5.3
10	13	14	158	23	55	59	41	442	28	20	7.2	5.1
11	13	15	106	21	44	33	34	193	24	85	7.0	5.3
12	13	16	26	21	37	190	297	74	22	113	6.7	5.3
13	14	16	86	27	34	166	124	131	102	122	6.6	26
14	163	14	62	20	32	54	60	129	589	163	6.5	440
15	40	14	33	18	32	39	35	65	125	52	7.8	248
16	17	15	19	17	30	34	44	59	47	32	161	68
17	13	16	204	17	29	32	33	55	37	26	193	17
18	13	17	195	17	33	31	23	292	32	23	112	765
19	12	14	36	1720	30	31	21	72	27	20	262	63
20	12	14	24	392	52	50	20	57	25	18	44	42
21	14	14	20	288	48	232	19	53	22	26	17	1230
22	13	14	19	152	32	51	17	50	20	37	64	293
23	12	92	166	547	29	34	16	46	84	90	20	55
24	12	113	147	307	29	30	16	44	141	206	11	37
25	16	26	34	988	27	29	38	40	78	41	9.6	162
26	15	19	24	117	27	99	21	36	49	27	8.5	161
27	12	17	22	71	27	106	16	40	75	39	14	248
28	12	17	20	58	27	41	15	34	122	16	10	57
29	14	17	20	52	---	31	52	31	46	11	9.4	36
30	14	99	18	46	---	1330	59	29	36	33	8.0	31
31	14	---	18	42	---	1190	---	29	---	20	7.5	---
TOTAL	648	724	1630	5464	2203	5265	1680	6276	2757	1875	1111.5	4054.2
MEAN	20.9	24.1	52.6	176	78.7	170	56.0	202	91.9	60.5	35.9	135
MAX	163	113	204	1720	816	1330	297	3090	589	284	262	1230
MIN	12	14	16	17	27	26	15	25	20	11	6.5	5.1
CFSM	0.24	0.28	0.61	2.03	0.91	1.96	0.65	2.33	1.06	0.70	0.41	1.56
IN.	0.28	0.31	0.70	2.34	0.94	2.26	0.72	2.69	1.18	0.80	0.48	1.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	85.9	109	119	174	188	221	165	132	114	124	95.1	97.0
MAX	416	374	395	402	448	531	508	379	307	301	257	325
(WY)	1996	1993	1984	1972	1990	1980	1979	1991	1989	1989	1974	1989
MIN	13.4	24.1	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	2002	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	36441		33687.7			
ANNUAL MEAN	99.8		92.3		135	
HIGHEST ANNUAL MEAN					203	1975
LOWEST ANNUAL MEAN					67.0	1981
HIGHEST DAILY MEAN	2240	Jul 25	3090	May 4	6500	Oct 4 1995
LOWEST DAILY MEAN	12	Oct 19	5.1	Sep 10	5.1	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	13	Oct 18	5.5	Sep 6	5.5	Sep 6 2002
MAXIMUM PEAK FLOW			7270	May 4	9650	Mar 17 1990
MAXIMUM PEAK STAGE			18.18	May 4	21.06	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.15		1.06		1.56	
ANNUAL RUNOFF (INCHES)	15.62		14.44		21.15	
10 PERCENT EXCEEDS	199		194		268	
50 PERCENT EXCEEDS	37		32		58	
90 PERCENT EXCEEDS	15		12		22	

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

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29
Date Processed: 2003-03-11 10:28 By acday
APPROVED
DD #2
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	2.49	2.46	2.72	2.51	2.85	2.62	4.09	2.97	2.48	2.70	2.53	2.30
2	2.48	2.46	2.54	2.54	2.79	5.95	3.19	2.61	2.45	2.65	2.49	2.30
3	2.48	2.45	2.51	2.72	2.71	3.84	3.00	4.27	2.42	4.07	2.64	2.28
4	2.49	2.46	2.50	2.74	2.70	3.00	2.87	10.61	2.57	3.19	2.38	2.27
5	2.48	2.44	2.49	2.59	2.66	2.84	2.81	4.05	3.91	2.64	2.32	2.26
6	2.84	2.44	2.49	3.94	5.75	2.79	2.76	3.37	3.72	2.53	2.31	2.24
7	2.62	2.45	2.48	2.94	4.55	2.77	2.72	3.21	3.94	2.46	2.33	2.22
8	2.48	2.45	2.48	2.67	3.23	2.75	2.74	3.10	2.73	2.42	2.32	2.21
9	2.44	2.47	2.49	2.61	2.99	2.92	2.75	3.24	2.55	2.39	2.29	2.20
10	2.44	2.45	3.42	2.58	2.89	2.92	2.77	4.61	2.47	2.37	2.28	2.19
11	2.44	2.46	3.23	2.56	2.79	2.70	2.71	3.62	2.43	2.83	2.27	2.20
12	2.44	2.47	2.62	2.55	2.74	3.65	4.03	2.88	2.40	3.14	2.26	2.20
13	2.47	2.49	3.06	2.63	2.71	3.61	3.38	3.21	2.78	3.08	2.26	2.43
14	3.56	2.44	2.95	2.54	2.69	2.89	2.93	3.26	5.27	3.44	2.25	4.76
15	2.75	2.44	2.69	2.51	2.69	2.76	2.71	2.80	3.23	2.69	2.29	3.99
16	2.49	2.46	2.54	2.51	2.67	2.71	2.77	2.75	2.65	2.52	3.49	2.98
17	2.43	2.47	3.45	2.50	2.66	2.69	2.69	2.72	2.57	2.45	3.66	2.50
18	2.42	2.50	3.66	2.49	2.70	2.68	2.59	4.09	2.52	2.42	3.29	5.69
19	2.41	2.45	2.72	7.34	2.67	2.68	2.56	2.86	2.47	2.37	3.81	2.96
20	2.41	2.45	2.59	4.54	2.86	2.83	2.55	2.73	2.44	2.35	2.79	2.76
21	2.43	2.45	2.54	4.16	2.83	3.91	2.52	2.70	2.40	2.42	2.51	6.65
22	2.43	2.44	2.53	3.47	2.69	2.86	2.50	2.67	2.38	2.56	2.95	4.08
23	2.41	3.00	3.42	5.17	2.66	2.71	2.49	2.64	2.93	2.82	2.54	2.90
24	2.41	3.27	3.44	4.04	2.66	2.67	2.48	2.62	3.31	3.73	2.39	2.74
25	2.47	2.62	2.71	6.35	2.64	2.66	2.72	2.60	2.86	2.77	2.35	3.47
26	2.45	2.52	2.60	3.34	2.64	3.14	2.55	2.56	2.66	2.61	2.32	3.59
27	2.41	2.50	2.57	3.03	2.63	3.22	2.48	2.59	2.82	2.72	2.45	3.99
28	2.41	2.49	2.55	2.92	2.63	2.77	2.47	2.54	3.23	2.49	2.37	2.91
29	2.43	2.49	2.54	2.86	---	2.68	2.86	2.51	2.64	2.39	2.35	2.74
30	2.45	3.19	2.52	2.81	---	7.00	2.89	2.49	2.56	2.57	2.30	2.69
31	2.45	---	2.51	2.78	---	7.08	---	2.49	---	2.52	2.29	---
MEAN	2.51	2.54	2.76	3.26	2.92	3.30	2.82	3.27	2.86	2.72	2.55	3.02
MAX	3.56	3.27	3.66	7.34	5.75	7.08	4.09	10.61	5.27	4.07	3.81	6.65
MIN	2.41	2.44	2.48	2.49	2.63	2.62	2.47	2.49	2.38	2.35	2.25	2.19

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STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29
Date Processed: 2003-03-11 10:28 By acday
APPROVED
DD #13, 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	0.11	0.00	0.03	0.01	0.00	0.01	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.23	0.25	0.00
3	0.00	0.00	0.00	0.00	0.02	0.20	0.00	---	0.00	0.06	0.00	0.00
4	0.00	0.00	0.01	0.01	0.00	0.00	0.00	---	0.64	0.01	0.00	0.00
5	0.06	0.00	0.00	0.15	0.00	0.00	0.00	---	0.06	0.00	0.00	0.00
6	0.18	0.00	0.00	0.63	1.72	0.00	0.00	---	0.18	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.08	0.00	0.00	---	0.00	0.00	0.00	0.00
8	0.00	0.00	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	0.09	0.03	---	0.00	0.22	0.00	0.00
10	0.00	0.00	0.73	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.03
12	0.00	0.00	0.00	0.05	0.00	0.77	0.46	0.00	0.00	0.34	0.00	0.00
13	0.01	0.00	0.31	0.00	0.00	0.06	0.11	0.26	0.00	0.22	0.00	0.91
14	0.48	0.00	0.13	0.00	0.00	0.00	0.01	0.00	0.91	0.26	0.00	0.42
15	0.04	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.10	0.67
16	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.28	0.13
18	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.34	0.00	0.00	0.28	1.13
19	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00
20	0.00	0.00	0.00	0.00	0.18	0.45	0.00	0.00	0.00	0.00	0.47	0.50
21	0.00	0.00	0.00	0.43	0.00	0.18	0.00	0.00	0.00	0.15	0.00	4.06
22	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.07	0.01	0.12	0.15
23	0.00	0.08	0.65	0.07	0.00	0.00	0.00	0.00	0.29	0.26	0.00	0.00
24	0.00	0.13	0.00	1.30	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
25	0.03	0.06	0.00	0.07	0.00	0.00	0.05	0.00	0.28	0.00	0.00	0.72
26	0.00	0.02	0.00	0.00	0.01	0.33	0.00	0.00	0.09	0.00	0.06	0.41
27	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.14
28	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.09	0.01
29	0.00	0.01	0.00	0.00	---	0.00	0.03	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	2.63	0.33	0.00	0.00	0.95	0.00	0.00
31	0.00	---	0.00	0.00	---	0.52	---	0.00	---	0.01	0.00	---
TOTAL	0.80	0.32	2.60	6.40	2.12	6.84	1.52	---	2.92	2.93	2.55	9.28