



2004 Water Year  
APALACHICOLA RIVER BASIN

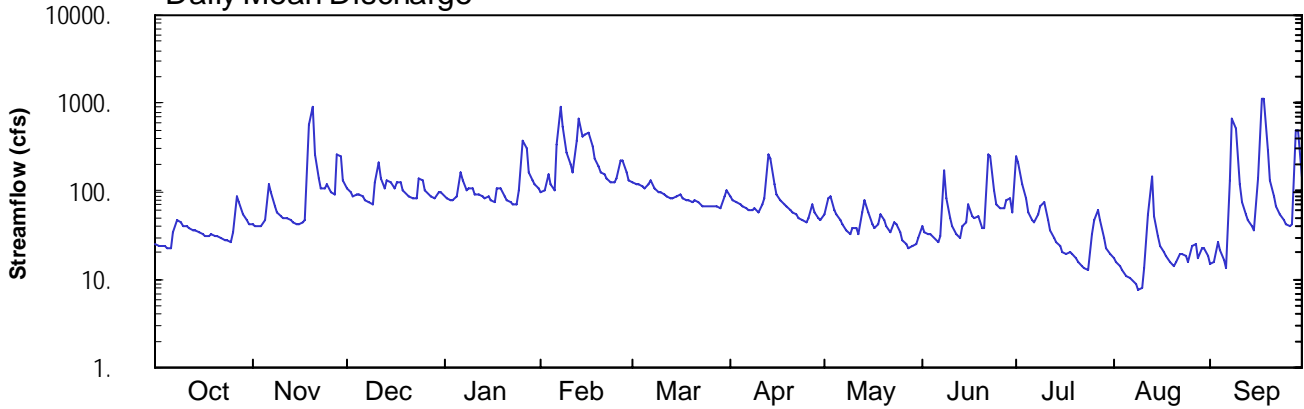
02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA

Latitude: 33° 14 ' 07"  
Heard County

Longitude: 084° 59 ' 16"  
Datum: 634.68 feet

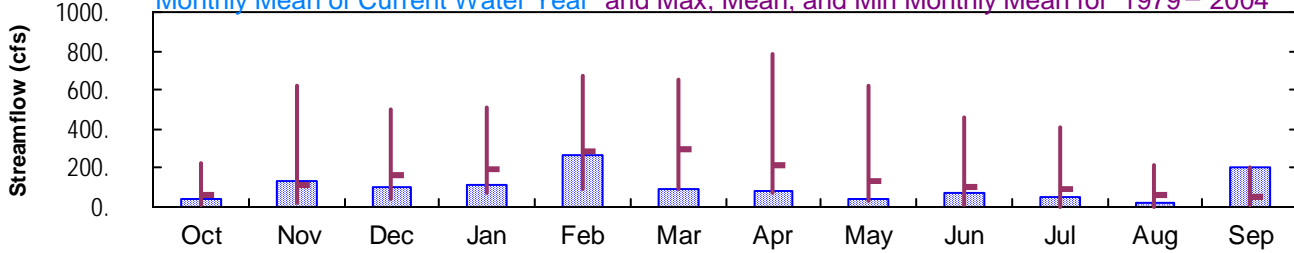
Hydrologic Unit Code: 03130002  
Drainage Area: 127. mi<sup>2</sup>

Daily Mean Discharge

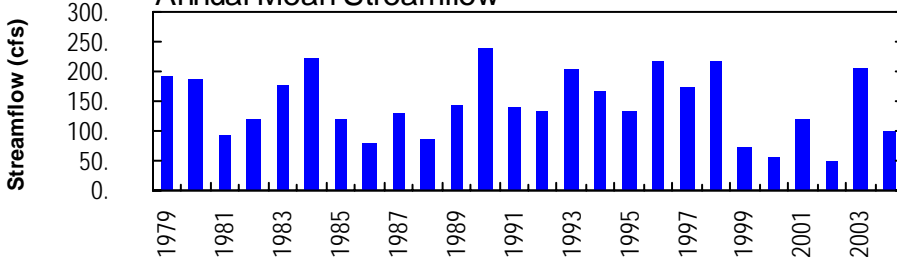


Monthly Statistics

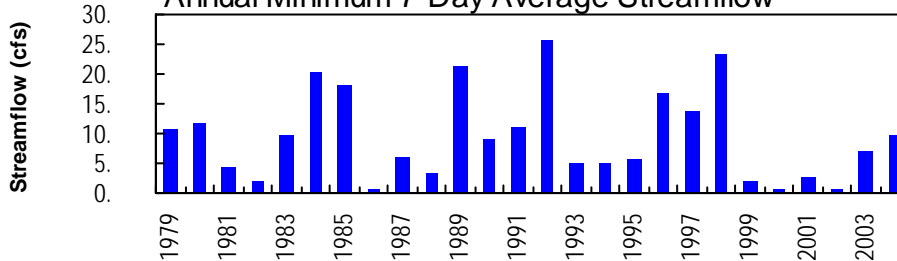
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1979–2004



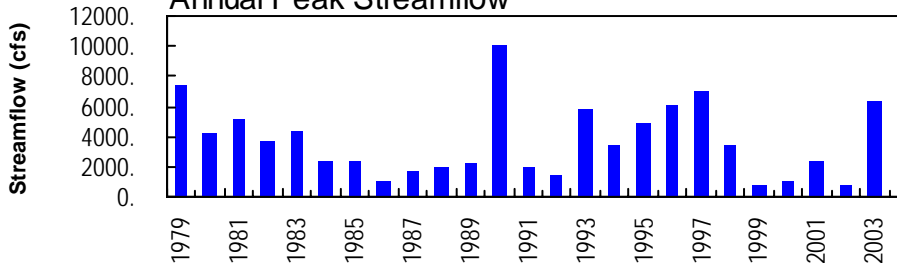
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



USGS 02338660 NEW RIVER AT ST RT 100  
NEAR CORINTH, GA

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA**

**LOCATION.**—Lat 33°14'07", long 84°59'16" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, at bridge on GA 100, 1.7 miles downstream of Caney Creek, 2.5 miles west of Corinth, 3.9 miles downstream of Mountain Creek, and 8.1 miles upstream of Chattahoochee River.

**DRAINAGE AREA.**—127 square miles.

**COOPERATION.**—Georgia Geologic Survey.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—October 1978 to current year.

**REVISED RECORDS.**—WDR GA-90-1: 1979(M).

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 634.68 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records good.

**PEAK DISCHARGES FOR CURRENT YEAR.**—Peak discharge greater than base discharge of 1,800 cfs and maximum (\*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	2215	2,070*	9.41*

No other peaks above base discharge

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—October 1978 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 634.68 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 9.41 feet, September 17; minimum gage-height recorded, 2.82 feet, August 10.

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA—continued.**

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—March 5, 2002 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

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

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149  
 LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127\* DATUM 634.68 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	25	41	109	87	98	127	90	56	39	251	17	15
2	24	41	95	83	102	123	81	83	35	211	16	16
3	24	41	88	80	153	120	75	90	32	120	14	27
4	24	41	91	79	122	112	72	63	33	84	13	21
5	23	48	95	88	102	109	67	54	30	59	11	16
6	23	122	86	161	345	121	64	47	27	48	10	14
7	35	100	79	134	901	136	62	42	31	46	9.7	136
8	46	67	75	101	549	107	62	37	176	56	8.7	661
9	44	57	73	106	280	97	64	32	83	67	7.5	506
10	40	53	127	110	205	96	59	38	51	77	8.1	122
11	40	50	217	94	167	91	72	38	39	47	13	73
12	39	49	139	93	383	88	81	33	33	35	56	56
13	37	48	108	88	665	85	268	58	30	30	148	46
14	35	44	134	84	420	84	236	79	39	27	52	40
15	34	43	129	87	447	88	118	59	45	23	31	36
16	32	43	107	81	471	91	92	43	71	21	24	144
17	31	45	124	76	323	85	79	38	53	20	20	1130
18	32	47	126	106	239	79	71	42	49	20	18	1150
19	32	585	103	110	194	78	67	55	53	20	16	298
20	31	927	92	87	168	76	60	47	38	17	14	134
21	31	261	87	80	155	78	57	41	39	15	16	88
22	30	139	84	76	140	74	54	34	267	14	19	67
23	28	109	84	73	127	69	51	44	251	13	19	54
24	28	110	140	71	127	68	48	42	102	13	19	48
25	27	120	135	103	137	67	45	35	73	33	16	43
26	34	96	103	378	228	67	50	28	64	47	24	39
27	89	95	92	314	224	68	70	25	63	62	25	41
28	74	262	87	166	160	66	58	23	78	47	17	488
29	55	245	84	131	137	65	49	24	82	29	23	498
30	48	136	99	118	---	89	47	26	58	23	22	151
31	43	---	100	108	---	104	---	30	---	20	18	---
TOTAL	1138	4065	3292	3553	7769	2808	2369	1386	2064	1595	725.0	6158
MEAN	36.7	136	106	115	268	90.6	79.0	44.7	68.8	51.5	23.4	205
MAX	89	927	217	378	901	136	268	90	267	251	148	1150
MIN	23	41	73	71	98	65	45	23	27	13	7.5	14
CFSM	0.29	1.07	0.84	0.90	2.11	0.71	0.62	0.35	0.54	0.41	0.18	1.62
IN.	0.33	1.19	0.96	1.04	2.28	0.82	0.69	0.41	0.60	0.47	0.21	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	60.6	117	160	195	282	292	212	133	100	91.2	61.2	53.5														
MAX	222	622	502	510	672	653	786	621	455	406	213	205														
(WY)	1990	1993	1984	1990	1990	1990	1979	2003	2003	1994	1984	2004														
MIN	5.11	20.2	42.0	67.2	87.4	90.6	70.6	35.2	10.6	2.67	2.76	5.65														
(WY)	2001	2002	2002	1981	2000	2004	1986	2000	2000	2000	2002	2002														

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1979 - 2004

ANNUAL TOTAL	76284	36922.0		
ANNUAL MEAN	209	101	146	
HIGHEST ANNUAL MEAN			241	1990
LOWEST ANNUAL MEAN			50.1	2002
HIGHEST DAILY MEAN	5210	May 8	1150	Sep 18
LOWEST DAILY MEAN	22	Sep 21	7.5	Aug 9
ANNUAL SEVEN-DAY MINIMUM	24	Sep 30	9.7	Aug 4
MAXIMUM PEAK FLOW			2070	Sep 17
MAXIMUM PEAK STAGE			9.41	Sep 17
ANNUAL RUNOFF (CFSM)	1.65		0.794	
ANNUAL RUNOFF (INCHES)	22.34		10.81	
10 PERCENT EXCEEDS	360		181	298
50 PERCENT EXCEEDS	107		67	82
90 PERCENT EXCEEDS	35		21	16

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 LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127\* DATUM 634.68 NGVD29

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	3.66	4.04	5.08	4.79	4.94	5.12	4.67	4.16	3.85	6.08	3.30	3.21
2	3.63	4.03	4.91	4.73	4.99	5.08	4.55	4.58	3.76	5.80	3.24	3.25
3	3.64	4.02	4.80	4.69	5.56	5.05	4.47	4.67	3.71	5.05	3.19	3.58
4	3.62	4.02	4.84	4.68	5.23	4.96	4.42	4.27	3.72	4.59	3.13	3.42
5	3.59	4.16	4.90	4.80	4.99	4.92	4.34	4.12	3.64	4.21	3.06	3.26
6	3.59	5.22	4.77	5.64	6.22	5.06	4.30	4.00	3.57	4.02	3.02	3.17
7	3.88	4.95	4.67	5.36	7.99	5.22	4.26	3.91	3.63	3.97	2.98	4.80
8	4.12	4.50	4.62	4.98	7.15	4.89	4.26	3.80	5.54	4.15	2.93	7.46
9	4.09	4.32	4.59	5.05	6.24	4.78	4.30	3.71	4.57	4.34	2.88	6.94
10	4.01	4.24	5.22	5.10	5.81	4.75	4.21	3.83	4.06	4.49	2.90	5.06
11	3.99	4.19	6.07	4.89	5.52	4.69	4.41	3.83	3.86	3.99	3.15	4.44
12	3.97	4.17	5.42	4.87	6.56	4.65	4.56	3.72	3.72	3.77	4.05	4.16
13	3.93	4.15	5.07	4.81	7.50	4.61	6.08	4.18	3.65	3.64	5.31	3.99
14	3.90	4.09	5.36	4.75	6.81	4.59	5.95	4.52	3.85	3.58	4.08	3.87
15	3.87	4.07	5.31	4.78	6.90	4.65	5.02	4.20	3.96	3.48	3.67	3.78
16	3.82	4.07	5.05	4.71	6.98	4.69	4.71	3.92	4.41	3.41	3.50	4.78
17	3.80	4.10	5.25	4.63	6.43	4.61	4.52	3.83	4.11	3.38	3.39	8.17
18	3.82	4.14	5.28	5.03	6.03	4.52	4.40	3.91	4.03	3.39	3.31	8.28
19	3.82	7.15	5.00	5.09	5.73	4.51	4.34	4.14	4.10	3.37	3.23	6.27
20	3.81	8.02	4.86	4.79	5.53	4.48	4.23	4.01	3.82	3.29	3.19	5.24
21	3.79	6.23	4.78	4.69	5.40	4.51	4.18	3.88	3.83	3.23	3.25	4.72
22	3.77	5.42	4.75	4.63	5.26	4.46	4.13	3.75	6.13	3.18	3.35	4.43
23	3.74	5.08	4.75	4.58	5.13	4.37	4.06	3.93	5.99	3.15	3.36	4.24
24	3.72	5.09	5.42	4.56	5.13	4.36	4.01	3.91	4.84	3.12	3.33	4.14
25	3.71	5.21	5.37	4.96	5.23	4.35	3.97	3.75	4.43	3.61	3.24	4.05
26	3.86	4.92	5.00	6.74	5.94	4.35	4.05	3.60	4.29	4.00	3.48	3.98
27	4.81	4.89	4.86	6.49	5.93	4.36	4.39	3.53	4.28	4.25	3.51	4.02
28	4.60	6.27	4.79	5.69	5.45	4.33	4.19	3.47	4.51	3.99	3.30	6.66
29	4.27	6.18	4.74	5.33	5.23	4.32	4.03	3.51	4.57	3.64	3.46	6.97
30	4.15	5.39	4.95	5.19	---	4.65	3.99	3.54	4.19	3.47	3.45	5.46
31	4.07	---	4.97	5.07	---	4.86	---	3.64	---	3.37	3.32	---
MEAN	3.90	4.88	5.01	5.04	5.92	4.67	4.43	3.93	4.22	3.90	3.37	4.86
MAX	4.81	8.02	6.07	6.74	7.99	5.22	6.08	4.67	6.13	6.08	5.31	8.28
MIN	3.59	4.02	4.59	4.56	4.94	4.32	3.97	3.47	3.57	3.12	2.88	3.17

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 LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127\* DATUM 634.68 NGVD29

Precipitation, total, inches  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.26	0.01	0.17
2	0.00	0.00	0.00	0.00	0.51	0.10	0.00	0.20	0.00	0.03	0.00	0.02
3	0.00	0.00	0.09	0.00	0.02	0.00	0.00	0.00	0.08	0.00	0.00	0.11
4	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
5	0.00	0.43	0.01	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
6	0.26	0.05	0.00	0.01	2.15	0.29	0.00	0.00	0.00	0.43	0.00	0.31
7	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	2.38
8	0.04	0.00	0.00	0.04	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.03	0.01	0.01	0.00	0.00
10	0.08	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.44	0.01	0.00	0.00	0.00	0.03
12	0.00	0.00	0.00	0.00	1.01	0.00	0.55	0.26	0.00	0.00	1.72	0.01
13	0.00	0.00	0.41	0.00	0.00	0.00	0.16	0.34	0.16	0.00	0.00	0.00
14	0.01	0.00	0.05	0.00	0.49	0.00	0.00	0.00	0.19	0.25	0.00	0.00
15	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.91	0.00	0.00	0.00
16	0.00	0.00	0.26	0.00	0.00	0.02	0.00	0.00	0.09	0.00	0.00	3.25
17	0.02	0.00	0.06	0.36	0.01	0.00	0.00	0.00	0.01	0.06	0.00	0.16
18	0.00	1.95	0.00	0.03	0.00	0.00	0.00	1.39	0.00	0.01	0.00	0.00
19	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00
21	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	1.19	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.27	0.00	0.17	0.00
23	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
24	0.00	0.45	0.00	0.02	0.11	0.00	0.00	0.00	0.03	0.07	0.00	0.00
25	0.00	0.00	0.00	1.24	0.38	0.00	0.00	0.00	0.03	0.14	0.06	0.00
26	0.78	0.00	0.00	0.07	0.49	0.00	0.49	0.00	0.00	0.14	0.01	0.00
27	0.01	1.04	0.00	0.01	0.00	0.00	0.00	0.00	0.53	0.50	0.00	0.85
28	0.00	0.10	0.00	0.00	0.01	0.00	0.00	0.20	0.30	0.00	0.00	0.00
29	0.01	0.00	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.22	0.00
30	0.00	0.00	0.14	0.00	---	0.51	0.12	0.01	0.44	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.20	---	0.51	---	0.10	0.00	---
TOTAL	1.39	5.26	2.74	2.57	5.74	1.24	1.93	3.25	4.51	2.17	3.23	7.31