



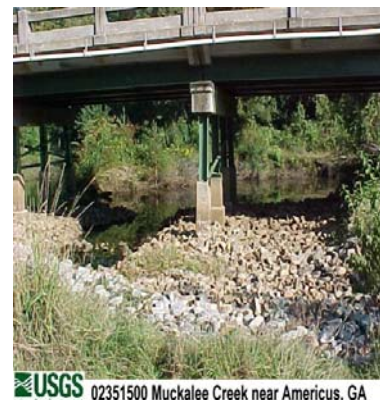
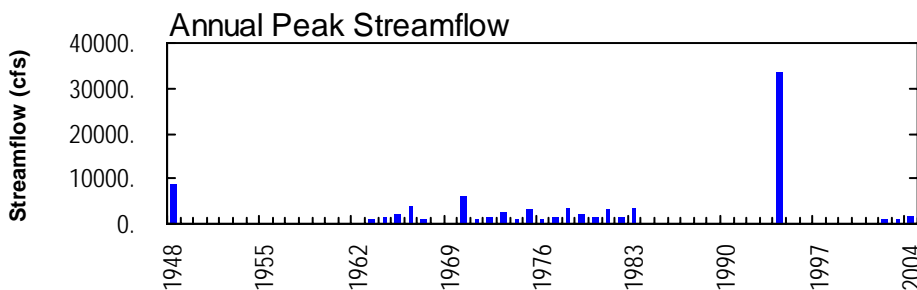
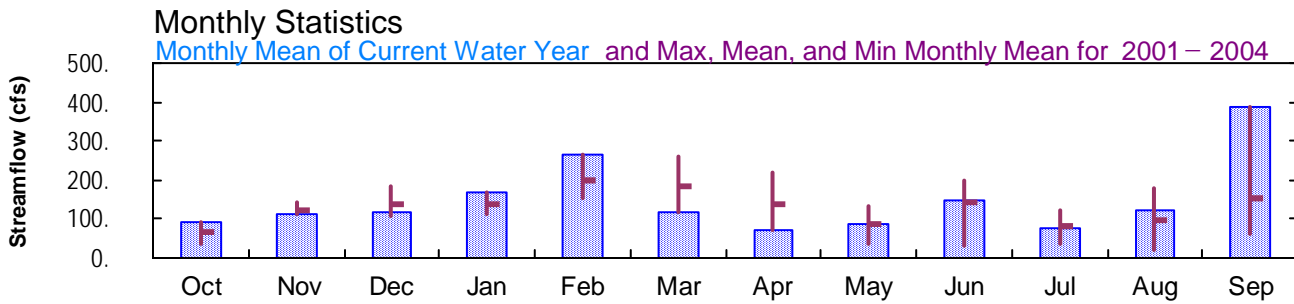
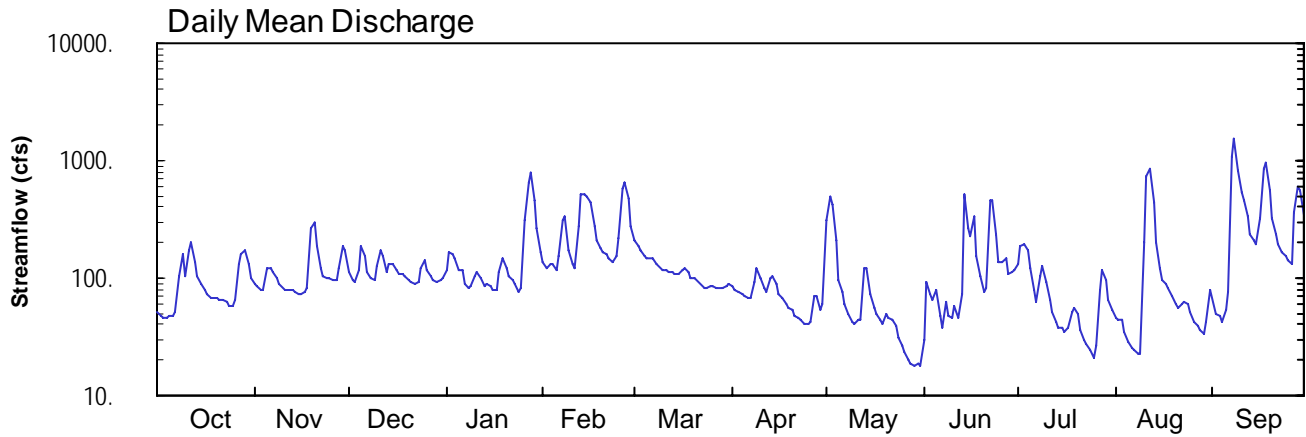
2004 Water Year  
APALACHICOLA RIVER BASIN

02351500 MUCKALEE CREEK NEAR AMERICUS, GA

Latitude: 32°04'59"  
Sumter County

Longitude: 084°15'29"  
Datum: 321.09 feet

Hydrologic Unit Code: 03130007  
Drainage Area: 140. mi<sup>2</sup>



USGS 02351500 Muckalee Creek near Americus, GA

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02351500 MUCKALEE CREEK NEAR AMERICUS, GA**

**LOCATION.**—Lat 32°04'59", long 84°15'29" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130007, on GA 30, 1.0 mile west of intersection with GA 19/38 in Americus.

**DRAINAGE AREA.**—140 square miles.

**COOPERATION.**—Georgia Geologic Survey.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—May 31, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records good.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—May 31, 2001 to current year.

**GAGE.**—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 7.99 feet, September 8; minimum gage-height recorded, 0.87 feet, August 10.

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

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261  
 LATITUDE 320459 LONGITUDE 0841529 NAD83 DRAINAGE AREA 140.00\* CONTRIBUTING DRAINAGE AREA DATUM 321.09 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	51	90	111	117	138	209	84	310	30	131	46	69
2	47	84	96	168	120	188	78	497	93	186	45	50
3	46	80	92	160	133	170	75	420	74	193	44	48
4	46	78	119	146	130	156	73	207	65	173	36	43
5	47	121	184	119	115	149	71	97	78	120	29	53
6	49	123	156	119	151	149	68	76	47	79	26	77
7	53	114	112	91	316	147	67	60	37	63	25	1070
8	103	100	100	81	334	131	93	49	63	103	23	1510
9	157	90	97	85	175	122	121	42	48	126	23	839
10	105	83	127	104	134	118	101	40	45	94	199	530
11	173	79	175	112	123	115	81	44	57	64	734	462
12	203	79	151	99	273	113	75	44	46	51	848	336
13	135	80	114	86	506	110	98	122	74	43	436	240
14	103	75	129	88	521	107	105	120	514	37	201	212
15	88	72	129	86	495	107	88	74	270	38	122	198
16	80	73	115	79	449	116	73	55	229	35	97	319
17	72	77	109	80	279	124	67	49	331	38	89	854
18	69	83	109	111	209	111	61	44	153	52	82	963
19	69	262	102	150	182	102	57	40	104	55	70	551
20	67	300	96	124	166	98	53	50	76	50	59	328
21	66	190	92	104	158	96	47	47	83	36	56	232
22	65	119	90	98	147	90	46	43	462	30	60	190
23	61	103	92	91	135	84	43	40	453	27	62	166
24	58	99	121	76	153	84	41	31	235	24	61	151
25	58	101	140	82	219	85	41	27	135	21	52	141
26	66	97	117	310	578	85	42	24	139	26	43	132
27	132	94	102	661	645	83	69	20	149	78	39	360
28	161	120	96	780	469	83	71	18	107	119	37	609
29	175	187	93	450	281	83	55	18	111	96	33	560
30	131	170	97	266	---	84	61	18	118	65	42	351
31	102	---	99	168	---	89	---	18	---	53	80	---
TOTAL	2838	3423	3562	5291	7734	3588	2105	2744	4426	2306	3799	11644
MEAN	91.5	114	115	171	267	116	70.2	88.5	148	74.4	123	388
MAX	203	300	184	780	645	209	121	497	514	193	848	1510
MIN	46	72	90	76	115	83	41	18	30	21	23	43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004
MEAN	64.4	122	136	137
MAX	91.5	140	185	171
(WY)	2004	2003	2003	2004
MIN	37.3	112	108	113
(WY)	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2001 - 2004

ANNUAL TOTAL	55722	53460	
ANNUAL MEAN	153	146	130
HIGHEST ANNUAL MEAN			159
LOWEST ANNUAL MEAN			84.2
HIGHEST DAILY MEAN	769	Mar 21	1510
LOWEST DAILY MEAN	38	Sep 19	18
ANNUAL SEVEN-DAY MINIMUM	45	Sep 16	20
MAXIMUM PEAK FLOW			1710
MAXIMUM PEAK STAGE			7.99
INSTANTANEOUS LOW FLOW			18
10 PERCENT EXCEEDS	290		312
50 PERCENT EXCEEDS	112		97
90 PERCENT EXCEEDS	63		42

a Also May 29,30,31

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 LATITUDE 320459 LONGITUDE 0841529 NAD83 DRAINAGE AREA 140.00\* CONTRIBUTING DRAINAGE AREA DATUM 321.09 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	1.80	2.43	2.86	2.92	3.23	3.79	2.49	4.31	1.42	2.97	1.53	2.11
2	1.73	2.35	2.66	3.48	3.03	3.64	2.41	5.29	2.63	3.47	1.50	1.78
3	1.71	2.29	2.61	3.43	3.20	3.50	2.36	4.94	2.33	3.54	1.47	1.75
4	1.70	2.26	2.98	3.30	3.16	3.39	2.32	3.71	2.19	3.38	1.28	1.64
5	1.73	2.85	3.61	3.02	2.96	3.34	2.29	2.69	2.39	2.82	1.11	1.81
6	1.76	2.90	3.38	3.01	3.26	3.34	2.24	2.37	1.86	2.27	1.01	2.05
7	1.83	2.79	2.92	2.59	4.41	3.32	2.22	2.11	1.64	2.02	0.97	6.82
8	2.53	2.59	2.73	2.45	4.51	3.17	2.62	1.91	2.16	2.60	0.92	7.68
9	3.23	2.43	2.68	2.51	3.53	3.06	3.04	1.77	1.89	2.92	0.91	6.38
10	2.66	2.34	3.08	2.79	3.20	3.00	2.75	1.72	1.83	2.49	2.65	5.42
11	3.36	2.28	3.54	2.91	3.07	2.96	2.45	1.80	2.06	2.04	6.08	5.13
12	3.64	2.28	3.34	2.71	4.10	2.93	2.36	1.80	1.81	1.80	6.40	4.52
13	3.02	2.29	2.95	2.52	5.33	2.89	2.71	3.01	2.20	1.64	4.97	3.92
14	2.63	2.22	3.15	2.55	5.39	2.85	2.81	3.02	5.34	1.51	3.57	3.72
15	2.41	2.17	3.15	2.51	5.28	2.85	2.56	2.33	4.09	1.52	2.79	3.60
16	2.29	2.19	2.96	2.42	5.08	2.97	2.33	2.02	3.84	1.44	2.44	4.27
17	2.16	2.24	2.88	2.43	4.21	3.09	2.22	1.90	4.49	1.51	2.33	6.38
18	2.12	2.33	2.87	2.89	3.78	2.90	2.13	1.80	3.18	1.83	2.24	6.67
19	2.12	4.03	2.77	3.34	3.59	2.76	2.05	1.72	2.64	1.88	2.06	5.49
20	2.09	4.31	2.67	3.07	3.47	2.70	1.98	1.93	2.24	1.78	1.87	4.47
21	2.07	3.52	2.60	2.79	3.41	2.67	1.87	1.85	2.24	1.48	1.82	3.87
22	2.06	2.84	2.58	2.70	3.32	2.58	1.84	1.79	5.13	1.32	1.91	3.54
23	2.00	2.62	2.60	2.59	3.21	2.49	1.79	1.70	5.06	1.23	1.96	3.33
24	1.94	2.57	3.04	2.37	3.36	2.48	1.75	1.47	3.86	1.14	1.95	3.19
25	1.93	2.60	3.26	2.46	3.82	2.51	1.74	1.35	3.02	1.04	1.79	3.08
26	2.07	2.54	2.98	4.29	5.60	2.51	1.76	1.26	3.06	1.19	1.61	3.00
27	2.98	2.50	2.77	5.85	5.85	2.47	2.26	1.14	3.16	2.14	1.53	4.43
28	3.27	2.83	2.67	6.23	5.16	2.47	2.29	1.07	2.69	2.73	1.48	5.72
29	3.40	3.51	2.62	5.06	4.22	2.48	2.01	1.05	2.73	2.40	1.41	5.54
30	2.98	3.40	2.68	4.13	---	2.49	2.11	1.07	2.83	1.89	1.62	4.58
31	2.61	---	2.71	3.49	---	2.56	---	1.07	---	1.67	2.30	---
MEAN	2.38	2.68	2.91	3.19	3.99	2.91	2.26	2.16	2.87	2.05	2.18	4.20
MAX	3.64	4.31	3.61	6.23	5.85	3.79	3.04	5.29	5.34	3.54	6.40	7.68
MIN	1.70	2.17	2.58	2.37	2.96	2.47	1.74	1.05	1.42	1.04	0.91	1.64