

## **APALACHICOLA RIVER BASIN 1999-2000 Water Years**

**02335870 SOPE CREEK NEAR MARIETTA, GA**  
**(National Water-Quality Assessment station)**

**LOCATION.**—Lat 33°57'14", long 84°26'36", Cobb County, Hydrologic Unit 03130001, 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

**DRAINAGE AREA.**—29.2 mi<sup>2</sup>, approximately.

## **PERIODIC WATER-QUALITY RECORDS**

**DATUM.**—Datum is 881.37 feet above sea level (levels by U.S. Army Corps of Engineers).

**PERIOD OF RECORD.**—March 1993 to current year.

**REMARKS.**—Other water-quality data for this site may be found in other themes of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999																	
DATE	TIME	AGENCY		AGENCY		DIS-CHARGE,			SOLIDS,		SOLIDS,		TUR-		BARO-		
		ANA-	COL-	LECTING	SAMPLE	INST.	CUBIC	SAM-	SOLVED	SOLIDS	SUM OF	BID-	PRES-	METRIC			
		LIZING	COL-	LECTING	SAMPLE	FEET	FEET	PLING	(TONS)	(TONS)	CONSTITU-	FIELD	SURE	OXYGEN,	DIS-		
(CODE NUMBER)		(CODE NUMBER)	(00028)	HEIGHT (FEET)	GAGE (00065)	PER SECOND (00061)	METHOD, CODES (82398)	PER AC-FT (70303)	PER DAY (70302)	SOLVED (MG/L) (70301)	TUENTS, DIS- (NTU) (61028)	FIELD WATER (61028)	OF HG (00025)	SOLVED (MG/L) (00300)			
(00028)		(00027)	(00065)														
OCT																	
23...	0915	80020	1028	1.75	7.7	10	.10	1.50	66	5	752	9.1					
23...	0916	1028	1028	1.75	7.7	10	--	--	--	--	--	--					
NOV																	
20...	1415	80020	1028	1.95	15	10	.10	2.84	60	2	739	8.6					
20...	1416	1028	1028	1.95	15	10	--	--	--	--	--	--					
DEC																	
15...	1345	80020	1028	1.95	15	10	.08	2.51	56	4	747	10.4					
15...	1346	1028	1028	1.95	15	10	--	--	--	--	--	--					
JAN																	
07...	1445	80020	1028	2.03	18	10	.09	3.21	60	3	747	11.2					
07...	1446	1028	1028	2.03	18	10	--	--	--	--	--	--					
FEB																	
17...	1430	80020	1028	2.05	19	10	.11	4.16	77	2	735	9.8					
17...	1431	1028	1028	2.05	19	10	--	--	--	--	--	--					
MAR																	
11...	1415	1028	1028	2.10	22	10	--	--	--	--	--	--					
11...	1416	1028	1028	2.10	22	10	--	--	--	--	--	--					
APR																	
19...	1330	80020	1028	1.93	14	10	.10	2.65	65	6	750	8.1					
19...	1331	1028	1028	1.93	14	10	--	--	--	--	--	--					
MAY																	
26...	1015	80020	1028	1.81	9.6	10	.10	1.89	68	3	742	7.9					
26...	1016	1028	1028	1.81	9.6	10	--	--	--	--	--	--					
JUN																	
25...	1145	80020	1028	2.92	85	10	.05	8.95	37	80	--	--					
25...	1146	1028	1028	2.92	85	10	--	--	--	--	--	--					
JUL																	
21...	1030	80020	1028	1.90	13	10	.11	2.91	76	2	740	8.9					
21...	1031	1028	1028	1.90	13	10	--	--	--	--	--	--					
AUG																	
19...	1245	80020	1028	1.70	6.2	40	.15	1.79	101	--	739	7.4					
19...	1246	1028	1028	1.70	6.2	40	--	--	--	--	--	--					
SEP																	
10...	1230	80020	1028	1.80	9.3	40	.10	1.81	66	13	740	7.5					
10...	1231	1028	1028	1.80	9.3	40	--	--	--	--	--	--					

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DATE	TEBU-	TER-	TER-	THIO-	TRIAL-	TRI-	TRI-	SED.	SEDI-			
	SI-MAZINE, WATER, DISS,	THIURON WATER	BACIL WATER	BUFOS WATER	BENCARB WATER	LATE FLTRD	CLOPYR, WATER, FLTRD	FLUR-, ALIN	SIEVE WAT FLT	MENT, DIAM.		
	REC (UG/L) (04035)	GF, REC (UG/L) (82670)	GF, REC (UG/L) (82665)	GF, REC (UG/L) (82675)	GF, REC (UG/L) (82681)	GF, REC (UG/L) (82678)	REC (UG/L) (49235)	GF, REC (UG/L) (82661)	.062 MM (70331)	PENDED (MG/L) (80154)	PENDED (T/DAY) (80155)	TYPE (CODE) (84164)
OCT												
23...	.097	.026	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
23...	--	--	--	--	--	--	--	--	77	6	.12	3045
NOV												
20...	.513	.016	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
20...	--	--	--	--	--	--	--	--	65	7	.28	3045
DEC												
15...	.606	.026	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
15...	--	--	--	--	--	--	--	--	73	7	.28	3045
JAN												
07...	.227	.034	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
07...	--	--	--	--	--	--	--	--	72	6	.29	3045
FEB												
17...	.110	.041	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
17...	--	--	--	--	--	--	--	--	86	5	.26	3045
MAR												
11...	--	--	--	--	--	--	--	--	--	--	--	3045
11...	--	--	--	--	--	--	--	--	89	5	.30	3045
APR												
19...	.033	.028	<.007	<.013	<.002	<.001	<.25	E.002	--	--	--	3045
19...	--	--	--	--	--	--	--	--	96	6	.23	3045
MAY												
26...	.028	.028	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
26...	--	--	--	--	--	--	--	--	80	2	.05	3045
JUN												
25...	.112	<.010	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	3045
25...	--	--	--	--	--	--	--	--	88	81	19	3045
JUL												
21...	<.005	.027	<.007	<.013	<.002	<.001	--	<.002	--	--	--	3045
21...	--	--	--	--	--	--	--	--	89	5	.18	3045
AUG												
19...	<.005	.024	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	8010
19...	--	--	--	--	--	--	--	--	62	4	.07	8010
SEP												
10...	.059	E.033	<.007	<.013	<.002	<.001	<.25	<.002	--	--	--	8010
10...	--	--	--	--	--	--	--	--	86	10	.25	8010

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY	AGENCY	DIS-		SOLIDS,	SOLIDS,	SUM OF	TUR-	BARO-	METRIC
		ANA-	COL-	CHARGE,	SOLIDS,	SOLIDS,	CONSTITU-	BID-	PRES-	SURE	OXYGEN,
LYZING	LECTING			CUBIC	SAM-	SOLVED	TUENTS,	FIELD	(MM	DIS-	
SAMPLE	SAMPLE	GAGE	GAGE	FEET	PLING	(TONS	(TONS	WATER	OF	SOLVED	
(CODE	(CODE	HEIGHT	PER	SECOND	METHOD,	PER	PER	UNFLTRD	HG)	(MG/L)	(MG/L)
NUMBER)	NUMBER)	(FEET)	(FEET)	(00061)	CODES	(AC-FT)	(DAY)	(NTU)	(00025)	(00028)	(00300)
OCT											
29...	1200	80020	1028	1.74	8.7	40	.10	1.71	68	2	756
29...	1201	1028	1028	1.74	8.7	40	--	--	--	2	--
NOV											
29...	1400	80020	1028	1.97	18	40	.10	3.50	78	4	753
29...	1401	1028	1028	1.97	18	40	--	--	--	4	--
DEC											
08...	1015	1028	1028	1.89	14	40	--	--	--	5	751
08...	1016	1028	1028	1.89	14	40	--	--	--	5	--
JAN											
20...	1500	80020	1028	2.16	25	10	.08	4.08	54	15	740
20...	1501	1028	1028	2.16	25	10	--	--	--	15	--
FEB											
10...	1300	80020	1028	1.88	12	40	.10	2.49	69	2	744
10...	1301	1028	1028	1.88	12	40	--	--	--	2	--
MAR											
22...	1500	80020	1028	2.17	27	10	.08	4.37	58	10	748
22...	1501	1028	1028	2.17	27	10	--	--	--	10	--
APR											
21...	1130	80020	1028	1.92	16	40	.10	2.97	66	4	740
21...	1131	1028	1028	1.92	16	40	--	--	--	4	--
MAY											
30...	1115	80020	1028	1.75	9.3	40	.14	2.64	96	5	747
30...	1116	1028	1028	1.75	9.3	40	--	--	--	5	--
JUN											
21...	1030	80020	1028	1.66	6.5	40	.12	1.53	75	5	745
21...	1031	1028	1028	1.66	6.5	40	--	--	--	5	--
JUL											
27...	0830	80020	1028	1.55	3.1	40	.13	.78	87	4	746
27...	0831	1028	1028	1.55	3.1	40	--	--	--	4	--
AUG											
31...	1045	80020	1028	1.64	5.9	40	.10	1.21	72	8	742
31...	1046	1028	1028	1.64	5.9	40	--	--	--	8	--
SEP											
14...	1030	80020	1028	1.75	4.0	8010	.35	2.82	241	6	744
14...	1031	1028	1028	1.75	4.0	8010	--	--	--	6	--



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DATE	DISUL-	FOTON	EPTC	ETHAL-	ETHO-	FONOFO	LIN-	METHYL	METHYL
	DI-	WATER	WATER	FLUR-	PROP	WATER	URON	AZIN-	PARA-
	ELDRIN	FLTRD	FLTRD	ALIN	WATER	FLTRD	WATER	PHOS	THION
	DIS-	0.7 U	0.7 U	0.7 U	0.7 U	DISS	LINDANE	WAT	METO-
SOLVED (UG/L) (39381)	GF, REC (82677)	GF, REC (82668)	GF, REC (82663)	GF, REC (82672)	REC (04095)	REC (39341)	SOLVED (UG/L) (39341)	GF, REC (82666)	SOLVED (UG/L) (39532)
OCT 29... 29...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
NOV 29... 29...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
DEC 08... 08...	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
JAN 20... 20...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
FEB 10... 10...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
MAR 22... 22...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
APR 21... 21...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
MAY 30... 30...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
JUN 21... 21...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
JUL 27... 27...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
AUG 31... 31...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --
SEP 14... 14...	<.001 --	<.017 --	<.002 --	<.004 --	<.003 --	<.003 --	<.004 --	<.002 --	<.005 --

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DATE	PRO-	PARGITE	SI-	TEBU-	TER-	TER-	THIO-	TRIAL-	TRI-	SED.	SEDI-	
	WATER	WATER,	MAZINE,	THIURON	BACIL	BUFOS	BENCARB	LATE	FLUR-	SUSP.	MENT,	
	FLTRD	WATER,	WATER,	FLTRD	WATER	WATER	FLTRD	FLTRD	WATER	ALIN	SIEVE	
	0.7 U	DISS,	0.7 U	DIAM.	MENT,							
	GF, REC (UG/L) (82685)	REC (UG/L) (04035)	GF, REC (UG/L) (82670)	GF, REC (UG/L) (82665)	GF, REC (UG/L) (82675)	GF, REC (UG/L) (82681)	GF, REC (UG/L) (82678)	GF, REC (UG/L) (82661)	GF, REC (UG/L) (82661)	THAN .062 MM (70331)	PENDED (MG/L) (80154)	PENDED (T/DAY) (80155)
												TYPE (CODE) (84164)
OCT												
29...	<.013	.178	E.035	<.007	<.013	<.002	<.001	E.001	--	--	--	8010
29...	--	--	--	--	--	--	--	--	83	3	.07	8010
NOV												
29...	<.013	2.46	.028	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
29...	--	--	--	--	--	--	--	--	90	4	.19	8010
DEC												
08...	--	--	--	--	--	--	--	--	--	--	--	8010
08...	--	--	--	--	--	--	--	--	89	4	.15	8010
JAN												
20...	<.013	1.13	.018	<.007	<.013	<.002	<.001	<.002	--	--	--	3045
20...	--	--	--	--	--	--	--	--	80	13	.87	3045
FEB												
10...	<.013	.245	.025	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
10...	--	--	--	--	--	--	--	--	75	2	.06	8010
MAR												
22...	<.013	.250	<.040	<.007	<.013	<.002	<.001	<.002	--	--	--	3045
22...	--	--	--	--	--	--	--	--	89	9	.66	3045
APR												
21...	<.013	.062	.037	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
21...	--	--	--	--	--	--	--	--	81	6	.25	8010
MAY												
30...	<.013	.050	.023	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
30...	--	--	--	--	--	--	--	--	90	5	.13	8010
JUN												
21...	<.013	.024	.026	<.007	E.002	<.002	<.001	<.002	--	--	--	8010
21...	--	--	--	--	--	--	--	--	83	8	.14	8010
JUL												
27...	<.013	.014	.028	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
27...	--	--	--	--	--	--	--	--	86	10	.08	8010
AUG												
31...	<.013	.034	.036	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
31...	--	--	--	--	--	--	--	--	87	11	.17	8010
SEP												
14...	<.013	.010	.030	<.007	<.013	<.002	<.001	<.002	--	--	--	8010
14...	--	--	--	--	--	--	--	--	85	8	.09	8010