

Table A-32. Data for Figure A-32

Date	Observed Fecal Coliform (counts/100 ml)	Estimated Instantaneous Flow On Sample Day (cfs)	Geometric Mean (counts/100 ml)	Mean Flow (cfs)	Geometric Mean Fecal Coliform Loading (counts/30 days)	Geometric Mean TMDL Fecal Coliform Loading (counts/30 days)
30-Jan-02	170	76.0				
13-Feb-02	20	67.0				
20-Feb-02	50	50.0				
25-Feb-02	20	46.0	43	59.8	1.88E+12	4.39E+13
8-May-02	170	85.0				
15-May-02	310	67.0				
21-May-02	140	61.0				
5-Jun-02	3300	84.0	395	74.3	2.15E+13	1.09E+13
21-Aug-02	330	16.0				
28-Aug-02	490	27.0				
4-Sep-02	490	16.0				
11-Sep-02	2200	5.0	646	16.0	7.59E+12	2.35E+12
28-Oct-02	110	67.0				

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA  
(GEORGIA EPD ID 01000801)**

**LOCATION.**--Lat 34°53'06", long 83°13'43" (referenced to North American Datum (NAD) of 1927), Rabun County, Hydrologic Unit 03060102, at shallow ford on Earls Ford Road, 1.3 miles downstream from confluence with Gold Mine Branch, and 4.4 miles southwest of Pine Mountain.

**DRAINAGE AREA.**--38 mi<sup>2</sup>, approximately.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**--January 1997 to December 1997, January 2002 to December 2002 (discontinued).

**REMARKS.**-- Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB AS CAC03) (90410)
JAN													
30...	1015	81213	76	1.9	10.7	96	6.9	7.0	16	18	7.9	9.3	10
FEB													
13...	1000	81213	67	1.2	11.7	96	6.9	7.0	15	15	5.4	5.6	11
20...	0845	81213	50	--	11.6	97	6.8	--	15	--	7.5	6.1	--
25...	0855	81213	46	--	11.5	95	6.9	--	15	--	-1.0	5.7	--
MAR													
27...	0900	81213	91	1.6	10.7	97	6.9	7.0	15	16	6.9	9.0	7
APR													
03...	1240	81213	85	2.6	11.0	109	6.8	7.0	16	16	24.7	13.0	7
MAY													
08...	1150	81213	85	4.3	8.4	89	--	6.9	17	15	24.9	15.7	7
15...	0835	81213	67	--	10.0	95	6.9	6.1	16	15	6.9	11.5	--
21...	1020	81213	61	--	10.3	98	6.9	7.0	12	15	12.7	11.1	--
JUN													
05...	0900	81213	84	140	8.9	99	6.7	6.5	18	19	19.8	18.6	7
JUL													
10...	1110	81213	E29	4.9	8.8	100	7.0	7.0	18	18	23.1	19.6	9
AUG													
21...	0915	81213	E16	6.6	7.9	94	6.8	7.0	18	20	21.5	21.2	10
28...	1125	81213	E27	--	8.7	100	7.4	7.0	19	19	24.3	19.8	--
SEP													
04...	1300	81213	E16	--	9.5	112	7.1	7.1	18	19	29.2	21.0	--
11...	0940	81213	E5.0	2.7	8.5	93	7.0	7.1	22	21	16.4	16.4	10
OCT													
28...	1300	81213	67	3.2	9.6	100	7.0	6.9	18	18	16.4	15.4	8
NOV													
25...	0955	81213	89	1.8	11.4	100	6.9	6.8	11	15	3.7	7.7	6

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN							
30...	4	.02	.070	.02	1.7	.3	170
FEB							
13...	<1	<.01	.040	.02	1.0	.3	<20
20...	--	--	--	--	--	--	50
25...	--	--	--	--	--	--	<20
MAR							
27...	3	<.01	.060	<.02	2.0	<.1	--
APR							
03...	5	.03	.030	<.02	1.5	<.1	--
MAY							
08...	8	.02	.040	<.02	.9	1.0	170
15...	--	--	--	--	--	--	310
21...	--	--	--	--	--	--	140
JUN							
05...	135	.05	.160	.14	3.4	1.7	3300
JUL							
10...	5	.05	.040	.03	1.2	.3	--
AUG							
21...	9	.01	.060	.02	1.5	.4	330
28...	--	--	--	--	--	--	490
SEP							
04...	--	--	--	--	--	--	490
11...	1	.02	.060	<.02	1.0	.1	2200
OCT							
28...	3	.01	.030	<.02	2.0	.4	110
NOV							
25...	3	.02	.060	<.02	.7	.2	--

GM=43

GM=395

GM=646

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value

**SAVANNAH RIVER BASIN  
2002 Calendar Year**

**02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA--Continued  
(GEORGIA EPD ID 01000801)**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)
MAY 08...	1150	81213	85	8.4	89	--	6.9	17	15	24.9	15.7	.81	.44
JUL 10...	1110	81213	E29	8.8	100	7.0	7.0	18	18	23.1	19.6	1.1	.50

Date	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNPLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL RECOV-ERABLE (UG/L AS SE) (01147)	THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY 08...	<1.0	<4.0	<.5	<1.0	<2.0	.4	<.1	<1.0	<4.0	<2.0	2.4
JUL 10...	<1.0	<4.0	<.5	<1.0	<2.0	.2	<.1	<1.0	<4.0	<2.0	<2.0

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value



WATER-QUALITY DATA, CALENDAR YEAR JANUARY 1997 TO DECEMBER 1997

DATE	TIME	RECORD NUMBER	TEMPER- ATURE (DEG C)	TEMPER- ATURE (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	AGENCY ANAL- YZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	GAGE HEIGHT (FEET)	TUR- BID- ITY (NTU)	
JAN	22...	1315	99700474	5.	12.	727.	1028.	81341.	53.	1.47	1.
FEB	17...	1250	99700506	6.	13.	736.	1028.	81341.	90.	1.82	1.
MAR	13...	0915	99700638	10.	11.	730.	1028.	81341.	97.	1.88	2.
APR	10...	1310	99700881	10.	14.5	729.	1028.	81341.	118.	2.05	2.
MAY	15...	1030	99700897	19.8	13.1	720.	1028.	81341.	106.	1.95	2.
JUN	12...	1230	99701077	16.	24.	720.	1028.	81341.	118.	2.05	18.
JUL	17...	1100	99701169	19.5	25.	724.	1028.	81341.	48.	1.41	--
AUG	30...	0930	99701308	19.5	21.8	725.	1028.	81213.	56.	1.5	--
SEP	06...	0915	99701454	16.9	19.	726.	1028.	81341.	46.	1.39	2.
SEP	14...	1030	99701479	18.9	24.4	724.	1028.	81341.	41.	1.33	2.
OCT	11...	1320	99701720	18.	23.	722.	1028.	81341.	33.	1.22	2.
NOV	30...	1350	99800217	10.	20.	726.	1028.	81341.	76.	1.7	1.
NOV	06...	1250	99800243	8.4	8.4	726.	1028.	81213.	58.	1.53	--
NOV	13...	1000	99800654	8.9	8.9	719.	1028.	81341.	60.	1.55	2.
DEC	24...	1030	99800448	6.	7.5	730.	1028.	81213.	54.	1.48	--
DEC	04...	0750	99800499	9.5	6.5	716.	1028.	81341.	75.	1.69	7.

DISTRICT CODE 13

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 6-27-99  
 02176957 - WARWOMAN CR (EARLS FORD RD) NR PINE MOUNTAIN, G

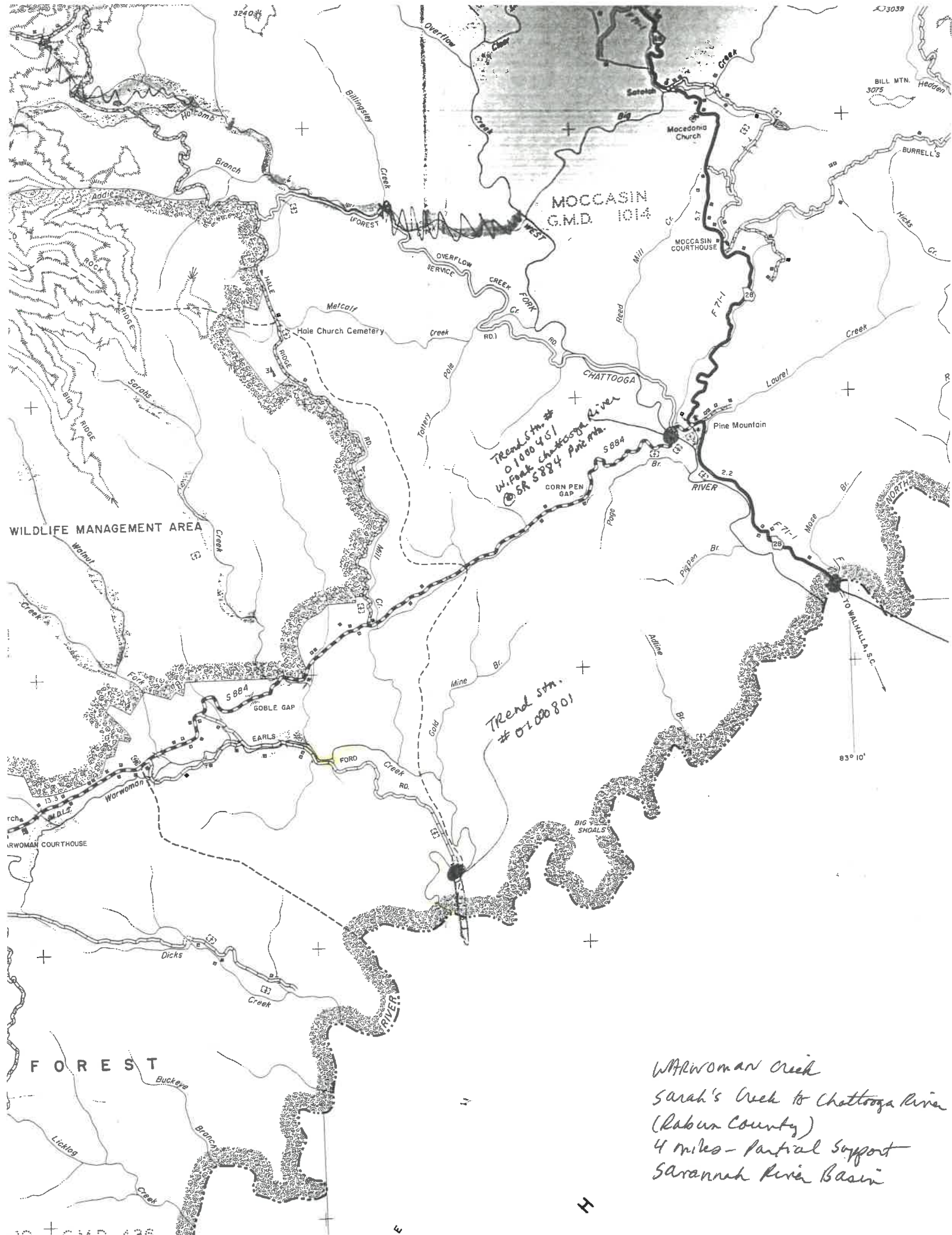
WATER-QUALITY DATA, CALENDAR YEAR JANUARY 1997 TO DECEMBER 1997

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	
JAN 22...	13.	11.4	<1.	6.86	6.5	5.	--	<.03	.04	<.02
FEB 17...	13.	11.4	<1.	6.78	6.6	6.	2.	<.03	.05	<.02
MAR 13...	13.	10.4	<1.	6.74	6.5	7.	2.	<.03	.02	<.02
APR 10...	12.	10.4	<1.	6.97	6.7	5.	4.	<.03	.03	<.02
MAY 15...	13.	9.6	<1.	6.82	7.4	6.	5.	<.03	.02	<.02
JUN 12...	14.	9.	<1.	6.88	6.6	8.	27.	<.03	.04	.04
JUL 17...	15.	8.8	--	7.09	--	--	--	--	--	--
AUG 06...	16.	8.91	<1.	6.84	6.8	4.	3.	<.03	.04	<.02
SEP 11...	16.	8.91	<1.	6.84	6.8	6.	3.	.03	.03	<.02
OCT 30...	15.	10.7	<1.	6.72	6.6	8.	2.	<.03	.07	.01
NOV 06...	15.	10.8	--	6.81	--	--	--	--	--	--
DEC 04...	15.	10.5	<1.	7.04	6.5	6.	2.	<.03	.03	<.02
DEC 04...	15.	10.5	1.2	6.88	--	--	--	--	--	--
DEC 04...	15.	10.5	1.2	6.82	6.4	7.	5.	<.03	.03	<.02

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 1997 TO DECEMBER 1997

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	COLIFORM, EC BROTH (MPN) (31615)	SAMPLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	SPICE-CITRIC CONDUCTANCE (US/CM) (90095)	OCCALA SAMPLE LOGIN ID (99898)	JULIAN DATE OF SAMPLE YDDD (99899)	9990001
JAN 22...	<1.	--	110.	60.	3060.	13.	--	--	--
FEB 17...	<1.	2.	<20.	60.	3060.	13.	--	--	--
MAR 13...	<1.	--	330.	60.	3060.	13.	--	--	--
APR 10...	<1.	--	35.	60.	3060.	13.	--	--	--
MAY 15...	<1.	2.	80.	70.	3060.	13.	--	--	--
JUN 12...	2.	2.	7900.	70.	3060.	14.	--	--	--
JUL 17...	--	--	490.	70.	--	--	--	--	--
AUG 06...	1.	22.	330.	60.	3060.	16.	7977.	97212.	--
SEP 14...	1.	4.	330.	70.	--	16.	--	--	--
OCT 11...	1.	4.	170.	70.	--	18.	--	--	--
NOV 30...	<1.	6.	80.	70.	--	12.	--	--	--
DEC 04...	2.	4.	790.	70.	--	16.	--	--	--
NOV 06...	--	--	80.	70.	--	15.	1319.	97311.	3089.
NOV 13...	1.	4.	330.	70.	--	15.	--	--	--
NOV 24...	--	--	110.	70.	--	15.	1756.	97329.	3089.
DEC 04...	2.	4.	790.	70.	--	16.	--	--	--





Warwoman Creek  
Sarah's Creek to Chattahoochee River  
(Rabun County)  
4 miles - partial support  
Savannah River Basin

EPA added Waters

Stekoa Creek		Fecal Coliform			Site 1: Immediately upstream Clayton; Site 2: 0.5 miles upstream STP; Site 3: Just downstream of She Creek	Clayton STP Approx. N 34°51.965' W 083° 24.218'; Mouth of She Creek: Approx. N 34 °50.048' W 083° 20.716'
Pool Creek	Macro/Habiti at	Sediment	NP	1727	At mile 0.5 on CR 131 Site 1: At Road Crossing Downstream of Antioch; Site 2: Upstream of Earls Ford	N 34°50.225' W 083° 19.016' Site 1: N 34°53.300' W 083° 17.525'; Site 2: N 34°53.128' W 083° 13.712'
Warwoman Creek	Macro/Habiti at	Sediment	NP	1727	At Warwoman Rd. Crossing	N 34°53.237' W 083° 19.523'
Roach Mill Branch	Macro/Habiti at	Biota and Habitat	NP	1727	At Warwoman Rd. Crossing	N 34°53.237' W 083° 19.523'
Law Ground Creek	Macro/Habiti at	Sediment	NP	1727	At Warwoman Rd. Crossing	N 34° 56.382' W 083° 11.527'