SAVANNAH RIVER BASIN
2000 Calendar Year

02198500 SAVANNAH RIVER NEAR CLYO, GA

PERIODIC WATER-QUALITY RECORDS

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, at bridge on Georgia Highway 119, 0.4 mile upstream of the gaging station located on the downstream side of the center pier of the drawspan of the Seaboard Coast Line Railroad bridge, 3.0 miles north of Clyo, and at mile 60.9.

DRAINAGE AREA.--9,850 mi^2, approximately.

PERIOD OF RECORD.--May 1938 to April 1939, October 1964 to current year.

PERIOD OF CONTINUOUS WATER-QUALITY RECORD.--
SPECIFIC CONDUCTANCE: January 1974 to July 1977.
WATER TEMPERATURE: May 1938 to April 1939, January 1974 to July 1977.

EXTREMES FOR PERIOD OF CONTINUOUS WATER-QUALITY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 110µS June 14, 1977; minimum daily, 42µS July 5, 1974.
WATER TEMPERATURE: Maximum daily, 27.0°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded, 4.0°C Jan. 22-24, 26, 30, Feb. 1, 1977.

REMARKS.--Daily water-quality records were collected by the U.S. Geological Survey, South Carolina District, Columbia, SC. This station is also part of the USGS Radiochemical sampling program. 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.

SAVANNAH RIVER BASIN
2000 Calendar Year

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	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) (90095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
JAN													
18...	1500	81341	5970	<2.0	30	13	6.0	9.6	86.8	7.4	7.2	124	124
FEB													
01...	1430	81213	9530	--	--	--	--	10.8	87.0	7.1	--	--	104
08...	0745	81341	6770	--	--	--	--	10.2	85.8	6.8	--	--	111
15...	0800	81341	6140	<2.0	15	42	9.0	9.4	87.1	6.8	7.3	121	121
MAR													
14...	1445	81341	5940	<2.0	5	11	5.0	9.0	90.5	6.7	7.1	120	121
14...	1450	81213	5940	--	--	--	--	9.0	90.5	6.7	--	--	121
APR													
18...	0700	81341	5730	<2.0	10	24	8.0	7.9	85.3	7.3	6.8	118	117
MAY													
23...	1320	81341	4690	<2.0	10	32	10	7.4	90.6	7.4	7.5	131	136
30...	0650	81213	4840	--	--	--	--	6.9	84.0	7.1	--	--	132
JUN													
06...	0640	81213	4760	--	--	--	--	6.5	80.4	7.4	--	--	138
20...	0705	81341	4680	<2.0	20	22	6.0	6.3	79.1	7.4	7.5	137	138
JUL													
11...	0645	81341	5060	<2.0	10	57	8.0	6.6	83.6	7.1	7.4	122	124
AUG													
29...	0705	81341	4870	<2.0	5	22	8.0	6.5	80.6	6.9	7.3	128	127
29...	0706	81213	4870	--	--	--	--	6.5	80.6	6.9	--	--	127
SEP													
06...	0645	81213	5860	--	--	--	--	6.6	78.3	6.9	--	--	123
12...	0640	81213	5740	--	--	--	--	6.8	80.7	6.8	--	--	118
19...	0715	81341	5220	<2.0	10	37	6.0	7.2	82.4	7.0	7.6	110	119
OCT													
02...	0705	81213	7070	--	--	--	--	6.8	77.0	6.6	--	--	111
12...	0630	81341	5690	<2.0	5	19	7.0	7.9	82.6	6.8	7.2	128	124
17...	0645	81213	5580	--	--	--	--	8.1	86.6	6.8	--	--	117
NOV													
14...	0815	81341	5320	<2.0	5	18	5.0	8.3	86.7	7.0	7.3	127	124
DEC													
11...	0745	81341	5910	<2.0	10	47	3.0	10.1	90.2	6.7	7.0	119	115

SAVANNAH RIVER BASIN
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02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
JAN								
18...	10.9	10.9	28	.06	.3	.094	3.6	<20
FEB								
01...	12.9	6.2	--	--	--	--	--	330
08...	-0.4	8.0	--	--	--	--	--	50
15...	7.7	12.1	25	.20	.3	.120	3.4	50
MAR								
14...	20.1	16.0	26	.05	.3	.094	4.2	--
14...	20.1	16.0	--	--	--	--	--	--
APR								
18...	13.6	18.5	27	.05	.5	.160	4.1	--
MAY								
23...	34.8	25.4	29	<.03	.7	.160	3.4	<20
30...	16.7	25.5	--	--	--	--	--	<20
JUN								
06...	24.6	26.1	--	--	--	--	--	20
20...	26.7	27.1	28	<.03	.6	.150	3.5	20
JUL								
11...	26.8	27.3	23	<.03	.3	.140	3.6	<20
AUG								
29...	23.4	26.4	26	<.03	.3	.130	3.0	20
29...	23.4	26.4	--	--	--	--	--	--
SEP								
06...	18.6	24.1	--	--	--	--	--	<20
12...	19.6	23.6	--	--	--	--	--	<20
19...	17.8	22.0	27	<.03	.3	.110	3.3	220
OCT								
02...	13.2	21.2	--	--	--	--	--	<20
12...	4.0	18.1	25	.04	.3	.180	4.6	0
17...	9.2	18.7	--	--	--	--	--	40
NOV								
14...	14.0	17.3	22	<.03	.3	.120	2.5	80
DEC								
11...	7.2	10.5	--	.05	.3	.120	4.2	50

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02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	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)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAR													
14...	1450	81213	5940	9.0	90.5	6.7	121	20.1	16.0	6.5	1.4	<1.0	<2.0
AUG													
29...	0706	81213	4870	6.5	80.6	6.9	127	23.4	26.4	5.1	1.4	<1.0	<4.0

DATE	CADMIUM WATER UNFLTRD 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 (UG/L AS SE) (01147)	THAL-LIUM, TOTAL (UG/L AS TL) (01059)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR									
14...	<.5	<1.0	<1.0	<1.0	<.1	<1.0	<2.0	<2.0	4.3
AUG									
29...	<.5	<1.0	<2.0	<2.0	<.1	<1.0	<4.0	<2.0	5.2