

SAVANNAH RIVER BASIN
2004 Water Year

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA

LOCATION.—Lat 32°09'57", long 81°09'14" referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on GA 25, 1.4 miles north of Port Wentworth.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

PERIOD OF RECORD.—October 1987 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: October 1987 to May 1998, June 1999 to current year.

WATER TEMPERATURE: November 1999 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 32,600 microsiemens, April 18, 2001; minimum recorded, 30 microsiemens, January 2, 3, April 2-8, 10, 11, 1993, October 4, 1994, October 28, 1995.

WATER TEMPERATURE: Maximum recorded, 31.7 °C, July 20, 2002; minimum recorded, 5.0°, January 4, 2001.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 31,000 microsiemens, October 19; minimum recorded, 75 microsiemens, March 1, 2.

WATER TEMPERATURE: Maximum recorded, 30.3 °C, July 15; minimum recorded, 7.2°, January 31.

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
 LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11200	141	3110	12300	141	3790	12800	125	4250	6420	94	1150
2	15000	139	4440	13600	138	4360	17100	139	6040	12000	95	2440
3	17300	146	7110	15700	163	5810	18300	145	8130	15800	95	2890
4	16600	161	6840	14000	153	5470	17900	230	7730	14400	110	3980
5	15900	162	6570	12000	146	4670	17100	176	6710	18100	131	4690
6	14100	191	6350	9830	146	3710	16400	150	5640	15300	109	4350
7	13500	204	6170	8640	144	3380	19500	144	7630	13800	108	4770
8	11800	208	5210	9680	151	3950	16000	163	5920	12500	116	4210
9	10200	192	4290	12300	195	4700	13300	150	4940	10600	125	3600
10	9420	169	3610	17200	186	6360	12500	150	3970	10800	124	3600
11	10500	154	3970	16200	184	6420	10600	121	2840	12200	130	3450
12	11700	177	4560	14600	179	5520	14100	112	4230	10400	105	2520
13	11600	156	4420	17000	146	5180	17100	104	4920	9850	105	2560
14	13400	146	4860	27500	275	10800	18100	114	3990	15800	113	4570
15	13100	141	4810	29800	478	11200	12300	99	2850	14800	122	4840
16	20700	162	7200	29400	514	11100	14400	97	3030	16500	150	6830
17	23800	219	8200	30000	544	12000	12200	99	1820	15200	137	5910
18	25800	309	9450	26300	351	12800	18600	100	4810	14400	139	4270
19	31100	412	11900	23400	170	9650	14700	100	3620	9850	122	3160
20	27300	267	11900	18200	167	8720	11500	88	2900	10500	116	3300
21	23700	203	11300	17200	241	7850	8740	86	2210	7810	125	2300
22	19200	189	9440	15600	199	6480	3820	88	770	5290	129	1500
23	18000	335	9360	13500	196	5120	1630	92	421	4520	143	1260
24	15700	316	7120	11600	170	3820	543	97	222	4140	148	1490
25	13700	302	5600	10600	162	3080	266	92	142	6830	150	2280
26	12000	200	4200	10100	163	2960	242	92	130	7150	136	2460
27	10800	175	3590	10100	144	2750	446	100	144	---	---	---
28	11300	159	3190	6410	142	1820	674	97	209	11600	154	2970
29	7010	148	2060	6420	137	1310	3800	89	498	15100	161	4630
30	9550	147	2480	11400	134	3270	2060	88	357	18000	157	5140
31	11200	147	2920	---	---	---	4470	93	881	21000	169	6280
MONTH	31100	139	6010	30000	134	5940	19500	86	3290	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
 LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20300	289	9790	11400	138	4000	11100	174	4310	4460	108	1460
2	19500	329	9360	9930	140	2890	11800	185	4100	6640	110	1840
3	17300	343	8320	8790	133	2170	11500	199	4300	8500	111	2410
4	16400	283	7030	7340	126	1800	10800	186	4180	11600	114	3130
5	15500	243	5970	7300	122	1380	11000	175	4400	17600	123	4730
6	15500	253	5680	5390	121	1550	11700	167	5050	14500	161	4050
7	14600	232	5740	6220	124	2010	16600	200	7130	1970	105	478
8	14300	229	5930	7580	123	2430	17800	213	7430	8150	92	1090
9	13600	253	6120	9680	133	3190	19700	214	8140	24900	96	3050
10	14600	225	6790	14400	132	5220	23100	250	9470	17300	107	4880
11	12900	190	5640	17000	146	6720	23500	345	10600	21800	106	5960
12	14500	159	5660	18200	128	6580	21700	434	10800	15300	102	5300
13	18800	201	6860	21900	127	7330	20900	245	9890	11100	101	3190
14	13100	128	3900	20100	141	8130	19700	312	9840	5200	99	1460
15	8170	126	2680	21700	145	8470	17500	193	7910	2370	88	588
16	8850	115	2240	24900	163	9570	14600	169	6290	783	86	318
17	10700	122	3200	20500	172	8920	14200	205	6450	593	86	197
18	14700	135	4260	18300	138	7300	13900	185	6200	1620	86	249
19	18300	156	5870	17800	139	7120	12000	175	5300	3090	85	584
20	20900	193	7980	16700	152	6980	11300	163	4740	8010	86	1360
21	19100	224	7490	16800	168	7110	11500	151	4350	14300	87	2700
22	18000	153	5670	16800	204	7090	12900	145	4750	11700	87	2010
23	15100	132	4450	15700	182	6540	15500	147	5860	5400	87	964
24	16000	141	5270	15500	182	6770	16000	155	7000	7260	88	1250
25	18000	134	6110	16400	172	7030	14900	150	6930	7980	91	1700
26	19200	124	5920	15500	164	6870	13500	165	6070	5970	97	1360
27	20000	132	7870	15100	162	6460	11500	164	5100	1320	101	328
28	18600	108	6450	14400	166	6020	11500	170	4480	243	101	135
29	15200	115	5620	13000	179	5530	9250	135	3290	585	103	193
30	13800	124	5170	13000	176	5180	5920	113	2150	1710	118	504
31	---	---	---	12500	191	4900	4860	108	1650	---	---	---
MONTH	20900	108	5970	24900	121	5590	23500	108	6070	24900	85	1920

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
 LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.9	22.7	23.7	21.2	19.9	20.6	16.3	13.9	14.9	10.9	10.1	10.4
2	24.5	22.5	23.5	21.1	19.7	20.4	16.0	13.4	14.6	10.7	9.9	10.3
3	24.2	21.8	23.1	21.0	19.7	20.4	15.6	12.9	14.2	10.9	10.2	10.5
4	23.7	21.6	22.7	21.1	19.9	20.6	15.2	12.7	13.8	11.4	10.3	10.9
5	23.3	21.8	22.6	21.4	20.5	21.0	14.7	12.3	13.4	12.6	11.3	11.8
6	23.2	22.0	22.7	21.9	21.2	21.6	14.2	11.8	12.8	12.8	12.0	12.4
7	23.1	22.0	22.6	22.4	21.8	22.1	13.8	11.7	12.6	12.3	11.6	12.0
8	23.1	21.9	22.5	22.6	22.3	22.4	13.1	11.6	12.2	12.0	11.2	11.6
9	23.0	22.1	22.6	22.3	21.0	21.8	12.8	11.4	12.0	11.8	10.8	11.3
10	23.1	22.2	22.7	21.9	19.8	20.8	12.6	11.3	11.9	11.5	10.1	10.8
11	23.2	22.2	22.7	21.2	19.2	20.2	12.4	11.4	11.8	11.1	9.4	10.1
12	23.2	22.2	22.8	20.8	19.1	20.0	12.5	11.3	11.9	10.6	9.0	9.6
13	23.4	22.1	22.8	20.6	18.9	19.7	12.6	11.8	12.2	10.2	8.7	9.4
14	23.6	22.2	22.9	20.3	18.1	19.2	12.7	11.9	12.2	10.3	8.8	9.5
15	23.5	22.1	22.7	20.0	17.4	18.6	12.5	11.5	11.9	10.3	9.1	9.7
16	23.4	21.7	22.6	19.8	17.0	18.3	12.4	11.0	11.6	10.4	9.5	10
17	23.2	21.4	22.3	19.6	16.9	18.3	12.2	11.1	11.4	10.4	9.7	10.1
18	23.1	21.2	22.1	19.4	17.3	18.4	12.1	10.7	11.2	11.0	10.0	10.5
19	23.0	21.0	22.0	19.3	17.7	18.6	11.7	10.2	10.7	11.2	10.7	10.9
20	22.7	20.8	21.8	19.0	17.8	18.4	11.2	10.0	10.4	11.1	10.5	10.8
21	22.5	20.9	21.7	18.8	17.5	18.2	10.6	9.9	10.2	10.8	10.4	10.6
22	22.2	20.9	21.6	18.6	17.5	18.0	10.1	9.5	9.8	10.6	10.0	10.4
23	22.0	20.8	21.4	18.4	17.3	17.8	10.1	9.3	9.7	10.4	9.9	10.2
24	21.6	20.5	21.1	18.4	17.3	17.8	10.5	9.7	10.1	10.4	9.6	10.0
25	21.4	20.4	21.0	18.2	16.9	17.5	10.4	9.7	10.0	10.5	9.9	10.2
26	21.6	20.7	21.2	17.8	16.4	17.1	10.1	9.2	9.6	10.6	9.7	10.1
27	21.7	21.1	21.4	17.8	16.2	17.0	9.8	9.0	9.4	---	---	---
28	21.8	21.0	21.4	17.6	16.4	16.9	10.1	9.1	9.5	10.3	8.3	9.0
29	21.6	20.6	21.1	16.9	15.1	16.0	10.5	9.7	9.9	10.0	7.8	8.7
30	21.6	20.2	20.9	16.8	14.5	15.4	10.6	9.8	10.1	9.6	7.4	8.2
31	21.4	19.9	20.7	---	---	---	10.8	10.1	10.4	9.6	7.2	8.1
MONTH	24.9	19.9	22.2	22.6	14.5	19.1	16.3	9.0	11.5	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
 LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	9.5	8.8	9.2	17.8	16.6	17.3	22.6	22.2	22.4
2	---	---	---	10.8	9.4	9.9	17.6	16.8	17.2	23.0	22.2	22.6
3	---	---	---	12.0	10.3	11.1	17.3	17.0	17.1	22.9	22.4	22.6
4	---	---	---	13.4	11.2	12.5	17.5	16.9	17.1	22.6	22.1	22.4
5	---	---	---	15.0	12.6	14.0	17.4	16.6	17.1	22.6	21.4	22.1
6	---	---	---	16.1	14.4	15.5	17.5	16.4	17.1	22.7	21.6	22.2
7	---	---	---	16.9	16.0	16.3	17.6	16.5	17.1	23.5	22.2	22.8
8	---	---	---	16.5	16.0	16.2	17.8	17.0	17.4	24.1	22.9	23.4
9	---	---	---	16.2	15.3	15.7	18.4	17.3	17.8	24.3	23.4	23.8
10	---	---	---	15.8	14.2	14.7	19.1	17.9	18.3	24.6	23.8	24.1
11	---	---	---	14.9	13.2	13.9	19.9	18.3	19.0	24.4	24.1	24.2
12	---	---	---	14.2	12.9	13.6	20.4	18.9	19.7	24.5	24.0	24.2
13	---	---	---	14.1	13.0	13.5	21.0	19.6	20.2	24.6	23.9	24.3
14	11.0	10.2	10.6	14.2	13.1	13.6	20.5	19.3	19.8	24.8	24.4	24.6
15	10.9	10.2	10.5	14.7	13.6	14.1	19.6	18.9	19.3	25.3	24.6	24.9
16	10.9	10.1	10.5	14.9	14.3	14.6	19.7	18.9	19.2	25.6	24.8	25.0
17	10.7	9.6	10.2	15.4	14.6	15.0	19.7	18.8	19.3	25.5	24.7	25.1
18	10.2	9.4	9.8	15.9	14.9	15.4	20.1	19.3	19.7	25.4	24.3	24.9
19	10.2	9.5	9.9	16.2	15.4	15.8	20.6	19.8	20.1	25.7	24.6	25.2
20	10.6	9.5	10.1	16.3	15.3	15.8	20.8	20.0	20.4	26.1	25.3	25.6
21	11.3	10.1	10.7	16.2	14.9	15.6	21.2	20.3	20.7	26.8	25.7	26.2
22	11.6	10.7	11.2	15.9	14.9	15.4	21.9	20.8	21.2	27.2	26.1	26.6
23	12.3	11.3	11.7	15.6	14.9	15.3	22.5	21.3	21.8	---	---	---
24	12.7	11.9	12.3	15.6	14.7	15.2	22.9	21.6	22.2	27.8	26.7	27.2
25	12.7	11.6	12.2	15.8	14.9	15.4	23.3	21.7	22.6	28.0	26.7	27.3
26	12.1	10.2	11.0	16.4	15.5	15.9	23.6	21.8	22.9	28.3	26.9	27.4
27	11.0	8.9	9.6	17.0	16.0	16.4	23.5	21.9	22.8	28.1	27.0	27.5
28	10.5	8.5	9.0	17.6	16.0	16.7	23.6	22.0	22.6	28.2	27.1	27.6
29	9.6	8.4	8.9	17.8	15.7	17.0	23.0	22.2	22.6	28.4	27.3	27.8
30	---	---	---	17.7	16.1	17.1	22.7	22.3	22.5	28.5	27.5	27.9
31	---	---	---	17.9	16.5	17.3	---	---	---	28.6	27.9	28.2
MONTH	---	---	---	17.9	8.8	14.8	23.6	16.4	19.7	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
 LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.6	28.0	28.2	28.3	27.2	27.7	29.4	28.4	28.9	27.9	26.2	27.1
2	28.7	27.9	28.2	28.3	27.2	27.7	29.4	28.3	28.8	27.9	26.5	27.2
3	28.6	27.9	28.3	28.2	26.9	27.5	29.5	28.1	28.9	27.8	26.1	27.0
4	28.4	27.8	28.1	28.4	26.8	27.6	29.9	28.6	29.3	27.7	26.0	26.9
5	28.4	27.4	28.0	28.5	26.9	27.8	30.2	29.2	29.7	27.9	25.8	26.7
6	28.4	27.4	27.9	29.2	27.5	28.3	30.2	29.5	29.8	27.5	25.3	26.2
7	28.5	27.2	27.9	29.3	27.9	28.7	30.0	28.8	29.4	25.9	24.8	25.3
8	28.8	27.4	28.1	29.3	28.1	28.8	29.8	28.1	28.9	25.9	24.5	25.0
9	28.6	27.7	28.1	29.6	28.7	29.2	29.4	27.9	28.8	26.6	24.4	25.0
10	28.4	27.5	28.0	29.9	29.1	29.5	29.2	28.0	28.6	26.0	24.7	25.3
11	28.6	27.6	28.2	30.0	29.0	29.5	29.0	28.0	28.5	26.1	24.5	25.1
12	28.9	28.1	28.5	30.0	28.9	29.4	28.7	27.8	28.2	25.6	24.1	24.8
13	28.9	26.8	28.4	30.1	29.1	29.5	28.4	27.2	27.9	25.2	23.8	24.3
14	28.0	26.1	27.0	30.1	29.3	29.7	28.2	26.9	27.6	24.5	23.6	24.0
15	27.3	25.8	26.4	30.3	29.7	29.9	28.2	26.6	27.4	24.2	23.3	23.8
16	27.2	25.8	26.4	30.0	29.3	29.6	28.1	26.7	27.4	24.2	23.1	23.6
17	27.4	26.1	26.7	29.8	28.9	29.4	28.0	27.0	27.5	24.6	23.5	24.0
18	28.2	26.8	27.4	29.6	28.4	29.1	28.2	27.0	27.7	24.7	23.6	24.1
19	29.1	27.7	28.1	29.4	27.6	28.6	28.5	27.3	28.0	24.6	23.4	23.9
20	29.3	28.3	28.7	29.4	27.5	28.5	28.8	27.7	28.3	24.3	22.7	23.3
21	29.1	28.7	28.9	29.6	27.6	28.6	28.8	28.0	28.5	24.2	22.1	22.8
22	29.1	27.9	28.5	29.8	28.0	28.9	29.0	27.9	28.5	23.4	21.8	22.3
23	28.9	27.4	28.2	29.8	28.3	29.0	29.0	27.9	28.5	22.8	21.7	22.2
24	28.8	27.2	28.1	29.8	28.7	29.2	29.0	27.6	28.4	22.9	21.9	22.4
25	29.3	27.4	28.1	29.7	28.9	29.3	28.9	27.9	28.5	23.0	22.3	22.6
26	28.8	27.3	28.0	29.8	29.0	29.4	28.9	28.1	28.5	23.0	22.4	22.7
27	28.7	27.2	27.9	29.8	28.8	29.3	28.8	28.0	28.4	23.4	22.6	23.0
28	28.5	26.7	27.6	29.8	28.8	29.3	28.7	27.7	28.3	23.9	23.0	23.4
29	28.5	26.9	27.7	30.0	29.0	29.3	28.3	27.1	27.7	24.4	23.6	24.0
30	28.4	27.3	27.8	29.7	28.7	29.2	28.2	27.1	27.6	25.0	24.1	24.5
31	---	---	---	29.7	28.5	29.1	28.3	26.7	27.5	---	---	---
MONTH	29.3	25.8	27.9	30.3	26.8	28.9	30.2	26.6	28.4	27.9	21.7	24.4