

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1991 to current year.

pH: November 1991 to current year.

WATER TEMPERATURE: March 1988 to September 1989, November 1991 to current year.

DISSOLVED OXYGEN: November 1991 to current year.

INSTRUMENTATION.--Hydrolab and data collection platform.

REMARKS.--Specific conductance records rated excellent except for Feb. 2-28, Mar. 1-3, May 24-31, July 1, 2, 23-26, which are good, Apr. 20-30, May 1-24, which are fair, July 2-23, which are poor. pH records rated excellent except for Jan. 3-31, Feb. 1-16, Mar. 1, 2, Apr. 1-20, which are good, Feb. 16-28, Mar. 1, 2, which are fair, Oct. 5-31, Jan. 1-3, which are poor. Temperature records rated excellent. Dissolved oxygen records rated poor except for Oct. 1-5, Aug. 9-24, Sep. 6-19, which are excellent, Sep. 19-30, which are good, Aug. 24-31, Sep. 1-6, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 286 microsiemens, Sep. 23, 2001; minimum, 45 microsiemens, Mar. 9, 1995.

pH: Maximum, 8.8 units, Feb. 10, 2001; minimum, 5.7 units, Feb. 20, 2001.

WATER TEMPERATURE: Maximum, 33.0°C, Aug 15, 1988; minimum, 3.5°C, Dec. 31, 2000, Jan. 10, 11, 2001.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L, Nov. 24, 2000; minimum, 1.7 mg/L, Aug. 3, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 286 microsiemens, Sep. 23; minimum, 82 microsiemens, Jun. 18.

pH: Maximum, 8.8 units, Feb. 10; minimum, 5.7 units, Feb. 20.

WATER TEMPERATURE: Maximum, 31.5°C, Aug. 8; minimum, 3.5°C, Dec. 31, Jan. 10, 11.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L, Nov. 24; minimum, 2.8 mg/L, Aug. 24.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	202	181	197	200	183	194	191	164	182	217	203	213
2	202	180	196	199	192	196	193	169	182	217	204	214
3	204	183	196	201	186	196	194	181	189	---	---	---
4	204	187	198	200	182	196	192	177	188	---	---	---
5	206	187	198	200	188	197	191	179	186	---	---	---
6	206	191	201	199	186	195	191	181	186	219	205	214
7	204	190	200	201	188	195	192	181	188	217	185	208
8	202	188	198	201	196	199	192	170	185	219	206	217
9	203	191	200	204	184	199	195	170	187	219	209	217
10	204	190	200	204	181	200	196	175	190	221	206	215
11	204	191	199	202	185	196	201	183	194	222	194	218
12	206	194	200	200	183	193	202	194	198	221	208	218
13	206	193	200	202	146	193	199	189	195	223	135	212
14	206	188	197	205	188	195	200	175	194	224	188	215
15	206	195	201	201	190	197	200	177	194	224	166	216
16	205	198	202	201	175	191	199	181	193	251	208	223
17	204	192	199	200	172	190	199	170	193	226	199	222
18	204	192	201	199	179	191	201	175	197	226	197	220
19	203	192	198	197	162	187	205	190	200	230	200	217
20	201	192	197	195	156	181	202	196	200	227	188	211
21	202	186	195	195	149	178	200	190	198	226	166	206
22	201	192	197	197	159	184	202	186	199	233	184	224
23	198	188	195	198	159	190	202	193	201	234	200	225
24	197	180	193	199	172	187	205	195	202	237	207	231
25	198	188	194	198	160	188	206	191	203	236	230	234
26	197	187	194	195	109	165	206	202	205	240	218	236
27	198	187	193	194	166	185	210	204	206	240	218	235
28	198	183	194	192	162	184	212	202	209	239	210	237
29	199	185	195	192	151	179	212	202	210	239	227	238
30	199	188	196	192	164	184	216	191	211	240	216	237
31	199	183	195	---	---	---	216	194	212	241	231	239
MONTH	206	180	197	205	109	190	216	164	196	251	135	222

## SANTEE RIVER BASIN

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C.), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

## SANTEE RIVER BASIN

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.0	21.5	23.0	19.5	15.0	18.5	13.5	10.5	12.5	7.0	5.0	6.0
2	25.0	20.0	23.0	20.0	16.0	18.5	12.5	10.5	12.0	6.5	5.0	6.0
3	26.0	22.0	23.0	20.0	16.5	18.5	12.0	10.5	11.5	---	---	---
4	25.0	22.0	23.0	19.5	18.0	18.5	12.5	8.5	11.0	---	---	---
5	25.5	22.0	23.0	19.5	18.0	18.5	12.0	8.5	10.5	---	---	---
6	24.0	22.0	23.0	19.0	15.5	17.5	11.0	9.5	10.5	6.5	4.5	6.0
7	24.0	21.0	23.0	19.5	17.5	18.5	11.5	10.0	11.0	6.5	4.0	5.5
8	22.5	18.5	20.5	20.0	18.0	19.0	11.5	9.5	10.5	6.0	5.5	5.5
9	21.5	18.0	20.5	20.0	18.5	19.0	11.5	8.5	10.5	6.5	5.0	5.5
10	22.5	17.0	20.5	19.0	17.5	18.5	10.5	9.5	10.5	7.0	3.5	5.5
11	22.0	16.5	20.0	18.5	16.0	17.0	10.5	10.0	10.5	7.5	3.5	5.5
12	22.5	17.5	20.5	18.5	15.0	17.0	11.5	10.0	10.5	7.0	5.5	5.5
13	21.5	18.5	20.5	18.0	14.5	17.0	10.0	8.0	9.5	7.5	5.0	5.5
14	23.5	19.0	20.0	17.5	16.0	17.0	10.0	9.0	10.0	7.0	5.5	6.0
15	22.0	18.5	20.0	17.5	15.5	17.0	10.0	9.0	10.0	8.5	6.0	6.5
16	23.0	18.0	20.0	17.5	13.5	15.5	10.0	9.0	10.0	7.5	5.5	6.0
17	23.0	18.5	20.0	17.0	15.0	16.0	11.0	9.0	10.0	8.0	6.0	6.5
18	21.5	18.0	20.0	16.5	13.5	15.0	10.0	8.0	9.0	7.0	6.5	6.5
19	21.5	19.0	20.0	16.0	13.0	14.5	9.0	8.0	8.5	9.5	6.5	7.0
20	21.5	18.5	19.5	16.5	12.0	14.5	9.0	7.5	8.5	8.5	6.5	7.0
21	21.5	18.0	19.0	15.0	10.0	13.5	9.5	6.0	8.0	7.5	5.0	6.5
22	21.5	18.5	19.5	14.5	10.0	13.0	9.0	7.5	8.5	7.0	4.5	6.5
23	20.5	18.0	19.5	14.5	12.0	13.0	8.5	7.5	8.0	8.0	5.0	6.5
24	20.0	17.0	19.0	14.5	11.0	12.5	8.5	5.5	7.5	8.0	5.0	6.5
25	20.5	17.5	19.0	13.5	11.5	13.0	7.5	5.5	7.0	7.0	5.5	6.5
26	20.5	17.5	19.0	14.0	12.0	13.0	7.5	6.0	7.0	8.0	5.0	6.5
27	21.0	17.0	19.0	14.0	11.5	13.0	7.0	6.0	6.5	8.0	5.0	6.5
28	21.5	18.5	19.5	14.0	12.0	13.0	7.0	6.5	7.0	7.5	4.5	6.5
29	21.0	18.5	19.5	14.0	10.0	12.5	8.0	5.5	6.5	8.0	5.0	6.5
30	21.0	15.5	18.5	13.5	10.5	12.5	7.0	4.5	6.0	8.0	6.5	7.5
31	20.0	14.5	18.5	---	---	---	7.5	3.5	6.0	8.5	6.5	7.5
MONTH	26.0	14.5	20.4	20.0	10.0	15.8	13.5	3.5	9.2	9.5	3.5	6.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.0	7.0	7.5	13.0	10.0	11.5	14.0	13.0	13.5	21.5	17.0	18.5
2	8.0	7.0	7.5	12.0	10.5	11.5	14.0	13.0	13.5	21.5	17.0	19.0
3	8.5	6.5	7.5	12.5	12.0	12.0	13.5	13.0	13.0	21.0	17.0	19.0
4	8.0	6.5	7.5	12.5	11.5	12.0	14.5	13.0	13.5	22.0	17.5	19.0
5	9.5	7.0	8.0	14.5	11.0	12.5	14.5	13.0	13.5	22.0	17.5	19.5
6	9.0	6.5	8.0	12.5	10.5	12.0	15.0	12.5	13.5	22.0	18.0	19.5
7	10.5	6.0	8.0	12.5	10.5	12.0	15.5	13.0	14.5	21.5	17.5	19.0
8	10.5	6.5	8.0	14.0	9.0	12.0	16.0	14.0	14.5	21.0	17.5	19.0
9	10.5	7.0	8.5	11.5	10.0	11.0	16.0	14.0	15.0	22.0	18.5	20.0
10	11.0	8.5	9.0	13.5	10.0	11.5	16.5	14.0	15.0	22.0	18.5	20.0
11	9.5	7.0	8.5	13.5	9.5	11.5	16.5	14.0	15.0	22.5	19.0	20.5
12	8.5	7.5	8.5	13.0	11.0	12.0	18.0	14.0	15.5	22.5	19.0	20.0
13	9.0	8.0	8.5	13.5	12.0	12.5	16.5	14.5	15.5	23.0	19.0	20.5
14	10.0	8.5	9.0	14.5	11.0	13.0	18.0	15.0	16.0	23.0	18.5	20.5
15	11.0	8.5	9.5	14.0	12.0	12.5	16.0	15.0	15.0	24.0	20.0	21.0
16	11.5	9.0	9.5	13.0	12.0	12.5	19.0	15.0	16.5	26.0	20.0	21.5
17	12.0	9.5	10.5	13.5	12.0	12.5	17.5	15.5	16.5	24.5	20.0	21.0
18	11.5	9.0	10.5	14.0	12.5	13.0	19.0	16.5	17.5	25.5	20.5	21.5
19	11.5	8.5	10.0	14.0	12.0	12.5	19.5	16.0	17.5	25.0	20.0	22.0
20	11.0	8.0	9.5	12.5	11.5	12.0	19.5	16.0	17.5	24.5	21.0	22.5
21	11.0	10.0	10.5	12.5	12.0	12.5	20.0	16.0	17.5	24.0	21.0	22.0
22	11.0	9.5	10.0	13.0	12.0	12.5	20.0	16.5	18.0	23.5	20.5	21.5
23	11.0	9.0	10.5	13.5	12.0	12.5	20.5	16.5	18.0	25.5	20.0	21.5
24	13.0	8.5	11.0	14.0	12.0	13.0	20.5	16.5	18.0	24.5	20.5	22.0
25	11.5	10.0	10.5	13.5	12.5	13.0	18.0	17.0	17.5	23.5	21.0	22.0
26	13.5	10.0	11.0	14.0	12.5	13.0	20.0	16.0	18.0	24.5	21.5	22.5
27	13.5	10.0	11.5	14.5	12.0	13.0	21.0	16.5	18.5	24.5	20.5	22.0
28	13.5	11.0	11.5	14.0	12.0	13.0	21.5	17.0	18.5	25.0	21.0	22.0
29	---	---	---	13.0	12.5	12.5	20.5	17.0	18.5	24.5	21.5	22.5
30	---	---	---	13.5	12.5	13.0	20.5	17.0	18.5	23.5	21.5	22.5
31	---	---	---	13.5	12.5	13.0	---	---	---	25.5	21.5	23.0
MONTH	13.5	6.0	9.3	14.5	9.0	12.4	21.5	12.5	16.1	26.0	17.0	20.9

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

## SANTEE RIVER BASIN

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

## OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.2	6.8	7.5	9.1	7.0	7.7	12.9	9.7	10.9	---	---	---
2	9.1	6.9	7.7	9.7	7.1	8.0	11.6	10.0	10.4	---	---	---
3	9.4	6.5	7.1	10.5	7.0	7.6	13.1	10.2	10.7	---	---	---
4	9.1	6.8	7.4	9.7	6.8	7.5	13.3	10.1	10.9	---	---	---
5	7.9	5.6	6.8	9.9	6.6	7.4	13.0	10.5	11.3	---	---	---
6	7.7	5.4	6.0	9.9	6.8	7.8	13.5	10.4	11.2	12.2	10.5	11.3
7	8.5	5.4	6.8	8.6	6.6	7.1	10.9	10.3	10.5	12.0	10.5	11.3
8	8.3	6.0	7.0	9.3	6.8	7.5	12.6	10.1	10.6	11.2	10.2	10.6
9	9.1	6.8	7.5	9.2	6.6	7.2	13.1	10.3	11.5	12.7	10.2	11.1
10	9.0	6.4	7.0	10.2	6.3	7.7	12.8	10.1	10.9	12.9	11.2	11.7
11	9.2	6.4	7.3	11.2	7.4	8.5	11.6	10.5	10.9	12.8	11.0	11.4
12	9.6	6.4	7.4	11.2	7.5	8.6	12.6	10.2	10.8	11.6	10.8	11.0
13	7.3	6.3	6.8	11.3	7.2	8.2	12.9	10.5	11.2	13.3	10.7	11.5
14	10.2	6.3	7.9	9.2	6.9	7.6	12.7	10.8	11.2	12.1	10.7	11.3
15	9.6	6.3	7.2	10.6	7.9	8.4	12.6	10.5	10.9	12.8	10.8	11.5
16	9.5	6.5	7.3	10.2	8.3	9.0	12.1	10.4	10.8	13.4	10.7	11.5
17	10.0	6.3	7.1	10.8	8.7	9.3	11.5	10.5	10.8	12.8	10.7	11.3
18	8.1	6.4	6.9	11.4	8.6	9.5	12.6	10.7	11.0	12.0	10.3	11.1
19	9.0	6.8	7.3	11.3	8.6	9.4	11.4	10.6	11.0	12.4	10.3	10.9
20	9.0	5.6	6.7	13.4	9.1	10.3	11.7	10.9	11.2	12.1	10.0	10.9
21	7.8	5.2	6.0	13.4	9.3	11.0	12.5	11.0	11.5	13.5	10.5	11.6
22	9.3	4.9	6.2	13.5	9.5	10.5	---	---	---	12.5	11.1	11.8
23	8.3	5.9	6.9	13.5	9.7	11.0	---	---	---	13.4	11.6	12.2
24	8.5	6.1	7.1	13.9	9.6	10.6	---	---	---	13.3	11.2	11.9
25	8.3	5.8	6.5	11.7	9.5	10.2	---	---	---	12.4	11.1	11.7
26	9.1	6.2	7.5	12.1	9.5	10.5	---	---	---	13.6	11.5	12.0
27	10.2	7.2	8.1	13.1	9.3	10.0	---	---	---	12.3	11.1	11.7
28	11.0	7.2	7.7	11.7	9.4	9.8	---	---	---	12.7	11.4	11.9
29	11.0	6.9	7.6	12.1	9.4	10.4	---	---	---	13.2	11.4	11.9
30	10.7	6.5	7.5	12.2	9.4	10.2	---	---	---	12.8	10.6	11.6
31	9.1	7.1	7.7	---	---	---	---	---	---	12.7	11.2	11.8
MONTH	11.0	4.9	7.1	13.9	6.3	8.9	13.5	9.7	11.0	13.6	10.0	11.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.0	11.0	11.7	13.7	10.0	11.2	9.8	9.4	9.6	10.7	7.4	8.6
2	13.0	10.9	11.8	10.8	9.1	10.1	9.9	9.3	9.6	10.7	7.3	8.5
3	13.6	11.5	12.2	10.0	7.8	9.1	9.5	9.1	9.4	10.3	7.4	8.5
4	12.9	11.5	11.9	9.7	8.7	9.2	9.7	9.1	9.4	10.9	7.4	8.7
5	13.4	11.3	11.9	11.2	8.8	9.5	9.9	9.0	9.4	10.7	7.3	8.4
6	13.0	11.2	12.1	10.8	9.1	9.8	9.8	9.0	9.3	11.2	7.3	8.6
7	13.7	11.5	12.2	11.4	9.1	10.1	9.6	9.0	9.2	10.1	7.5	8.3
8	13.6	11.3	12.0	11.7	9.4	10.3	9.9	8.7	9.1	10.6	7.7	8.7
9	12.6	11.0	11.7	11.4	8.8	9.7	9.7	8.7	9.1	11.1	6.8	8.8
10	12.9	10.3	11.1	11.9	9.2	9.8	9.8	8.5	8.9	9.1	6.4	8.0
11	12.1	10.5	11.3	11.9	9.2	10.2	9.6	8.4	8.8	10.8	7.4	8.6
12	12.7	10.8	11.2	11.4	8.9	10.1	10.6	8.3	9.0	10.5	7.3	8.4
13	12.9	10.7	11.2	9.9	8.5	9.5	9.6	8.3	8.8	11.1	7.5	8.8
14	12.9	10.4	11.3	12.0	8.9	10.4	10.3	8.1	8.8	11.2	7.4	9.0
15	12.7	10.6	10.9	10.6	8.6	9.5	9.4	8.0	8.5	10.1	6.3	8.3
16	11.8	10.2	10.5	10.6	9.2	9.7	10.6	8.0	8.8	9.1	5.2	6.5
17	12.6	9.1	10.3	11.1	9.2	10.0	10.1	7.6	8.6	9.9	4.8	5.6
18	12.8	9.4	10.4	11.8	9.3	10.2	10.6	7.7	8.8	10.6	4.7	6.0
19	13.1	9.7	10.3	11.6	9.1	10.1	10.5	7.8	8.7	10.3	4.7	5.9
20	11.6	9.7	10.3	10.3	8.9	9.5	10.9	8.6	9.3	9.6	4.2	5.3
21	11.8	9.6	10.6	9.8	9.4	9.7	10.6	7.8	8.8	8.0	4.2	5.1
22	11.7	9.9	10.6	10.2	9.4	9.7	10.8	7.4	8.8	9.9	3.9	5.6
23	11.8	10.0	10.5	10.5	9.2	9.9	10.9	7.6	8.9	9.4	4.5	5.7
24	12.8	10.2	11.4	10.8	9.4	10.0	10.4	7.6	8.6	7.8	4.6	5.9
25	11.5	9.4	10.3	10.8	9.3	10.0	8.8	7.4	8.0	8.5	3.6	4.6
26	13.5	9.8	10.6	11.0	9.2	10.1	10.4	7.9	8.6	7.5	3.2	4.6
27	12.9	9.9	10.7	11.5	9.6	10.4	10.5	7.5	8.5	7.3	3.7	4.7
28	12.7	9.4	10.7	10.6	9.6	10.1	10.6	7.2	8.6	7.5	3.4	4.4
29	---	---	---	10.0	9.0	9.5	10.7	7.4	8.7	6.7	3.8	4.6
30	---	---	---	10.0	9.5	9.7	10.4	7.5	8.5	6.0	3.6	4.4
31	---	---	---	9.7	9.3	9.5	---	---	---	7.5	4.3	5.1
MONTH	13.7	9.1	11.1	13.7	7.8	9.9	10.9	7.2	8.9	11.2	3.2	6.8

02148000 WATeree RIVER NEAR CAMDEN, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001