

SANTEE RIVER BASIN

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC

WATER-QUALITY RECORDS

LOCATION.--Lat 33°25'36'', long 79°55'50'', Berkeley County, Hydrologic Unit 03050201, at St. Stephens hydro-electric plant (COE), 1.0 mi from town of St. Stephens.

PERIOD OF RECORD.--Water years 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 2000 to current year.

pH: November 2000 to current year.

WATER TEMPERATURE: November 2000 to current year.

DISSOLVED OXYGEN: November 2000 to current year.

INSTRUMENTATION.--Water quality multiprobe and data collection platform.

REMARKS.--Specific conductance records rated excellent except for Oct. 1-6, Mar. 26 to Apr. 8, Aug. 9-17, which are good. pH records rated excellent except for Oct. 1-5, 23-29, Dec. 23-29, Jan. 11-16, Jan. 23 to Feb 20, May 11-20, Sep. 6-19, which are good, Oct. 30 to Nov. 5, Nov. 21 to Dec. 4, Jan. 17-22, May 4-10, Sep. 20-26, which are fair and Nov. 5-20, Dec. 5-22, Sep. 27-30, which are poor. Temperature records rated excellent. Dissolved oxygen records rated excellent except for May 24 to June 10, Aug. 16, 17, which are good, June 11-14, which are fair, and June 15-24, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 380 microsiemens, May 21, 2003; minimum, 52 microsiemens, May 22, 2003.

pH: Maximum, 8.8 units, May 19, 2004; minimum, 5.4 units, Sep. 22, 23, 2003.

WATER TEMPERATURE: Maximum, 31.7°C, July 20, 2002, July 15, 2004; minimum, 3.5°C, Jan. 4, 5, 2001.

DISSOLVED OXYGEN: Maximum, 15.6 mg/L, Jan. 9, 2002; minimum, 2.5 mg/L, Mar. 13, July 30, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 165 microsiemens, July 20; minimum, 63 microsiemens, Oct. 30, 31.

pH: Maximum, 8.8 units, May 19; minimum, 6.2 units, June 2-4.

WATER TEMPERATURE: Maximum, 31.7°C, July 15; minimum, 4.7°C, Jan. 28.

DISSOLVED OXYGEN: Maximum, 14.1 mg/L, Feb. 4-6; minimum, 2.5 mg/L, July 30.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 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	94	65	70	86	64	69	79	74	75	102	89	93
2	94	66	75	88	64	69	78	74	75	106	90	94
3	77	66	70	96	64	71	82	74	76	110	89	94
4	89	66	72	77	65	67	78	71	74	107	87	92
5	82	65	71	76	65	68	75	69	71	94	87	88
6	80	65	71	77	65	68	73	69	71	99	87	90
7	111	66	73	71	65	67	76	70	72	97	90	94
8	93	66	71	76	66	69	76	70	71	101	96	98
9	108	65	72	74	67	69	77	70	72	106	97	100
10	94	65	71	71	66	68	99	70	78	100	97	98
11	73	66	68	85	66	70	72	70	71	99	95	97
12	103	66	73	77	66	69	75	71	72	97	94	95
13	80	65	69	82	66	69	77	73	75	99	92	96
14	99	64	74	82	65	69	80	72	75	99	92	94
15	88	64	70	68	65	66	76	72	74	109	93	97
16	76	64	67	75	66	69	80	74	76	99	95	97
17	82	64	70	114	67	77	77	74	74	100	97	98
18	77	64	70	99	68	80	81	74	76	112	96	101
19	90	65	72	78	67	72	88	75	80	106	96	99
20	78	65	68	69	64	67	91	87	89	99	96	98
21	70	65	66	70	64	65	93	83	91	100	97	98
22	85	65	69	74	64	67	90	78	84	123	93	98
23	71	66	68	68	65	66	93	83	86	100	94	96
24	71	66	67	73	66	67	94	81	86	104	94	97
25	78	66	70	68	66	67	87	82	83	---	---	---
26	95	66	72	68	66	67	91	86	88	---	---	---
27	94	66	73	72	67	69	101	91	93	106	93	97
28	75	65	68	70	66	68	100	94	96	99	93	95
29	73	64	67	71	68	69	97	93	95	103	95	97
30	80	63	68	76	70	72	97	90	93	110	97	102
31	77	63	67	---	---	---	95	89	92	117	95	104
MONTH	111	63	70	114	64	69	101	69	80	---	---	---

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

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
FEBRUARY			MARCH			APRIL			MAY			
1	120	95	105	99	98	98	121	97	104	102	90	94
2	126	98	109	98	98	98	120	94	101	97	84	90
3	120	98	103	98	97	97	110	92	98	91	82	85
4	---	---	---	98	97	98	119	93	100	93	82	86
5	115	95	102	98	98	98	113	92	97	100	82	85
6	109	95	102	98	98	98	118	95	103	101	84	87
7	109	94	102	99	98	98	117	94	100	92	87	89
8	101	92	95	---	---	---	118	87	99	100	87	90
9	98	95	96	---	---	---	105	86	93	90	88	89
10	97	96	96	---	---	---	111	89	97	111	86	95
11	98	96	96	95	94	95	103	85	93	100	86	91
12	96	93	94	95	94	94	108	83	92	111	86	95
13	95	93	94	98	93	95	97	84	89	108	86	95
14	96	92	94	102	95	96	93	83	87	105	91	97
15	93	93	93	---	---	---	95	83	87	99	86	90
16	93	93	93	---	---	---	98	83	88	115	86	95
17	93	92	93	---	---	---	106	84	92	114	90	102
18	94	93	93	111	94	98	102	84	90	109	91	96
19	98	94	96	107	93	98	94	83	89	102	86	93
20	98	97	98	105	93	97	95	83	89	112	88	95
21	103	97	98	114	94	98	95	84	88	97	87	91
22	104	97	99	105	94	97	96	84	87	116	87	96
23	99	98	99	117	93	99	99	84	89	99	89	92
24	99	98	99	103	93	96	95	85	90	96	87	92
25	98	97	98	109	94	98	93	85	88	100	90	93
26	98	96	97	111	95	99	93	86	89	96	84	90
27	96	96	96	119	96	103	97	86	88	104	87	95
28	97	94	96	119	96	102	90	85	87	101	91	93
29	98	97	97	108	95	99	95	84	87	97	92	94
30	---	---	---	115	96	101	104	85	91	101	91	95
31	---	---	---	117	97	106	---	---	---	104	89	95
MONTH	---	---	---	---	---	---	121	83	92	116	82	92

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	98	89	93	96	92	93	123	101	107	97	95	96
2	105	91	94	94	91	92	108	92	99	106	97	100
3	100	88	92	94	91	92	106	91	97	111	99	103
4	100	92	95	94	92	93	101	93	94	125	98	106
5	101	93	96	96	94	95	104	93	95	116	99	104
6	99	92	95	100	94	96	102	93	97	114	102	106
7	103	92	99	98	95	96	136	98	109	117	93	101
8	120	95	103	101	95	96	124	100	107	97	96	97
9	101	91	95	100	95	96	133	101	109	99	97	97
10	102	91	97	109	95	98	125	98	108	100	99	100
11	117	94	102	109	94	98	123	102	107	100	98	99
12	102	90	97	121	95	100	104	96	100	98	98	98
13	102	93	94	114	95	98	97	96	97	98	97	98
14	109	93	97	134	95	102	102	97	99	98	97	98
15	105	93	96	113	96	100	110	102	105	99	98	99
16	97	88	92	112	97	100	120	102	109	100	99	100
17	96	90	92	127	97	106	132	105	113	100	99	100
18	127	94	100	123	97	107	145	99	114	104	100	101
19	101	91	96	116	98	106	140	100	115	106	102	104
20	121	92	102	165	101	114	140	97	112	102	100	101
21	109	94	100	121	97	107	135	102	108	100	99	100
22	97	92	94	112	97	102	107	100	103	100	99	100
23	110	92	97	122	100	106	115	100	105	100	94	96
24	106	90	95	123	98	105	117	100	106	94	94	94
25	100	90	93	126	99	109	136	101	110	94	93	94
26	96	91	93	121	101	109	119	106	113	93	92	93
27	102	93	96	117	103	110	125	102	110	92	91	92
28	98	93	95	118	103	111	117	98	106	91	86	88
29	98	91	94	116	102	107	100	84	93	86	82	85
30	93	91	92	120	104	107	96	86	93	84	81	83
31	---	---	---	119	97	105	96	95	96	---	---	---
MONTH	127	88	96	165	91	102	145	84	104	125	81	98

SANTEE RIVER BASIN

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.4	6.2	7.2	7.0	7.6	7.4	7.8	7.4	7.3	6.9	7.8	7.7
2	6.6	6.2	7.3	7.1	7.6	7.5	7.8	7.3	7.2	6.9	7.7	7.5
3	6.5	6.3	7.3	7.0	7.6	7.4	8.0	7.2	7.2	6.9	7.6	7.4
4	6.4	6.2	7.2	7.0	7.6	7.4	8.0	7.3	---	---	7.9	7.4
5	6.6	6.2	7.2	7.0	7.4	7.3	8.0	7.3	7.1	6.8	7.9	7.6
6	6.6	6.3	7.2	6.9	7.5	7.3	7.5	7.2	7.1	6.9	7.9	7.4
7	6.6	6.3	7.1	7.0	7.5	7.3	7.6	7.2	7.1	6.9	7.6	7.4
8	6.5	6.2	7.2	7.0	7.5	7.3	7.6	7.1	7.3	6.9	---	---
9	6.6	6.3	7.3	7.1	7.4	7.3	7.5	7.1	7.7	7.2	---	---
10	6.6	6.4	7.3	7.1	7.3	7.1	7.5	7.3	7.8	7.3	---	---
11	6.5	6.4	7.2	7.1	7.4	7.3	7.5	7.1	8.0	7.4	7.6	7.4
12	6.6	6.4	7.2	6.9	7.5	7.3	7.5	7.1	7.9	7.5	7.6	7.3
13	6.5	6.4	7.4	7.1	7.5	7.3	7.3	7.0	7.8	7.3	7.4	7.1
14	6.8	6.4	7.4	7.2	7.4	7.3	7.3	7.0	7.7	7.4	7.4	7.1
15	6.9	6.5	7.5	7.3	7.4	7.2	7.3	6.9	7.5	7.3	---	---
16	6.9	6.5	7.5	7.3	7.5	7.2	7.2	7.0	7.5	7.2	---	---
17	6.8	6.7	7.4	7.1	7.4	7.3	7.3	7.0	7.4	7.2	---	---
18	6.9	6.7	7.4	7.1	7.5	7.2	7.2	6.9	7.4	7.2	7.1	6.9
19	6.9	6.8	7.4	7.2	7.6	7.4	7.1	6.8	7.6	7.3	7.1	6.9
20	6.9	6.7	7.5	7.0	7.6	7.4	7.2	6.9	7.7	7.4	7.1	6.9
21	6.9	6.7	7.5	7.4	7.6	7.4	7.3	6.9	7.6	7.3	7.2	6.9
22	6.9	6.7	7.5	7.4	7.6	7.3	7.3	6.7	7.5	7.1	7.4	7.1
23	6.9	6.8	7.5	7.4	7.7	7.5	7.2	6.9	7.6	7.4	7.4	7.2
24	6.9	6.8	7.5	7.3	7.8	7.5	7.3	6.9	7.6	7.4	7.4	7.3
25	6.9	6.7	7.7	7.4	8.1	7.6	---	---	7.5	7.4	7.4	7.2
26	7.0	6.8	7.6	7.4	8.1	7.7	---	---	7.4	7.3	7.4	7.3
27	7.0	6.7	7.5	7.3	8.0	7.6	7.1	6.8	7.5	7.3	7.4	7.2
28	7.2	6.9	7.5	7.3	8.0	7.7	7.2	6.8	7.6	7.4	7.4	7.2
29	7.2	7.1	7.6	7.4	8.0	7.6	7.2	7.0	7.7	7.5	7.3	7.1
30	7.2	7.0	7.6	7.4	8.0	7.6	7.1	6.8	---	---	7.3	7.1
31	7.2	7.0	---	---	7.9	7.4	7.3	7.0	---	---	7.3	7.1
MONTH	7.2	6.2	7.7	6.9	8.1	7.1	---	---	---	---	---	---

pH, water, unfiltered, field, standard units

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	6.9	6.7	6.6	6.6	6.3	7.0	6.6	7.3	6.9	8.3	7.1
2	7.1	6.9	6.9	6.6	6.3	6.2	7.1	6.6	7.5	6.9	8.1	6.9
3	7.2	7.0	6.9	6.7	6.4	6.2	7.2	6.7	7.3	7.1	7.2	6.8
4	7.2	7.0	7.0	6.8	6.3	6.2	7.0	6.7	7.7	7.1	7.1	6.7
5	7.2	7.0	7.1	6.9	6.5	6.3	7.1	6.7	7.5	7.2	6.8	6.6
6	7.2	7.0	7.1	6.8	6.4	6.3	7.1	6.7	7.6	7.1	6.8	6.6
7	7.2	7.1	7.1	6.9	6.5	6.3	7.3	6.7	7.3	7.0	7.2	6.6
8	7.1	6.7	7.1	6.9	6.5	6.3	7.3	7.0	7.2	7.0	7.3	6.9
9	6.9	6.8	7.1	6.9	6.5	6.4	7.4	7.0	7.2	6.9	8.2	7.0
10	6.9	6.7	7.1	6.9	6.8	6.4	7.4	7.1	7.2	6.8	8.0	7.2
11	7.1	6.7	7.1	6.8	6.6	6.4	7.5	7.2	6.9	6.8	7.6	7.0
12	6.9	6.7	7.0	6.8	6.7	6.4	8.0	7.3	7.3	6.8	7.5	6.9
13	6.9	6.7	7.0	6.9	6.5	6.4	7.8	7.2	7.4	7.1	7.7	6.9
14	6.8	6.7	7.0	6.8	6.5	6.4	8.1	7.4	7.3	6.9	7.4	7.0
15	6.8	6.7	7.1	6.7	6.5	6.3	8.2	7.4	7.0	6.8	7.4	6.9
16	6.9	6.7	6.8	6.7	6.8	6.4	7.9	7.4	7.0	6.8	7.3	6.9
17	7.0	6.6	7.0	6.6	7.1	6.4	7.8	7.4	7.0	6.6	7.2	7.0
18	7.0	6.7	6.8	6.6	6.7	6.5	7.6	7.5	7.5	6.6	7.5	6.9
19	7.0	6.7	8.8	6.6	7.1	6.4	7.8	7.4	7.0	6.7	7.4	7.0
20	7.0	6.8	7.4	6.6	7.1	6.6	7.7	7.4	7.2	6.7	7.4	6.9
21	7.0	6.8	8.3	6.5	7.0	6.6	7.9	7.5	6.9	6.6	7.6	6.9
22	6.9	6.8	7.6	6.6	6.9	6.6	8.0	7.6	6.9	6.6	7.7	7.0
23	6.9	6.8	6.7	6.6	6.9	6.6	7.7	7.5	6.9	6.7	8.0	6.8
24	7.1	6.7	6.8	6.6	6.7	6.3	7.8	7.4	6.9	6.7	7.8	7.2
25	7.0	6.8	6.7	6.6	7.0	6.5	7.7	7.5	7.1	6.7	7.7	7.2
26	6.8	6.7	7.2	6.5	6.9	6.6	7.9	7.5	7.1	6.8	7.5	7.1
27	6.9	6.7	6.9	6.5	7.0	6.6	8.1	7.5	7.1	6.7	7.3	7.0
28	6.8	6.7	6.7	6.5	6.9	6.5	7.9	6.9	7.0	6.7	7.2	6.9
29	6.9	6.6	6.6	6.5	7.0	6.6	7.2	6.8	7.1	6.7	7.1	6.8
30	6.8	6.7	6.6	6.4	6.8	6.6	7.1	6.8	7.5	6.9	7.1	6.8
31	---	---	6.9	6.4	---	---	7.2	6.8	7.9	7.0	---	---
MONTH	7.2	6.6	8.8	6.4	7.1	6.2	8.2	6.6	7.9	6.6	8.3	6.6

SANTEE RIVER BASIN

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

Temperature, water, 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	23.6	22.5	22.9	20.3	19.7	19.9	13.0	12.0	12.5	8.9	8.3	8.7
2	22.9	21.6	22.4	20.6	19.6	20.0	12.9	12.2	12.8	9.4	8.8	9.1
3	22.1	21.1	21.5	21.0	20.2	20.5	12.4	11.0	11.9	10.7	9.1	9.7
4	21.8	20.9	21.3	20.8	20.5	20.7	11.0	10.1	10.6	11.7	10.6	10.9
5	21.9	21.1	21.5	21.9	20.7	21.2	10.7	10.4	10.6	12.3	11.2	11.6
6	22.7	21.7	22.1	23.4	21.8	22.5	10.7	9.5	10.3	12.5	11.4	12.2
7	23.1	22.5	22.7	23.6	23.0	23.3	9.9	9.4	9.8	11.4	9.3	10.1
8	23.4	22.7	23.0	23.2	21.7	22.8	10.1	9.6	9.8	9.5	9.1	9.3
9	23.6	22.8	23.1	21.7	19.2	20.7	10.6	9.8	10.3	9.4	8.7	9.2
10	22.8	22.6	22.8	19.2	17.4	18.0	11.6	10.5	10.8	8.7	7.7	8.3
11	22.8	22.1	22.6	17.4	16.9	17.1	11.7	10.2	10.9	7.7	6.6	7.1
12	22.6	21.8	22.2	17.8	16.9	17.2	10.6	9.8	10.2	7.6	6.6	7.1
13	22.4	21.6	22.0	18.0	17.6	17.8	10.5	9.9	10.2	8.0	7.0	7.4
14	22.9	22.3	22.5	17.7	16.5	17.4	10.1	9.4	9.8	8.4	7.9	8.0
15	23.1	22.4	22.7	16.5	15.7	16.0	9.4	8.9	9.2	9.0	7.9	8.4
16	22.8	21.7	22.4	16.3	15.6	15.8	10.2	9.1	9.5	9.0	8.0	8.4
17	21.8	21.0	21.5	16.5	16.1	16.3	10.2	9.7	10.1	8.3	8.0	8.1
18	21.6	20.7	21.0	18.5	16.2	16.8	9.7	8.4	8.9	10.7	8.1	8.8
19	21.0	20.6	20.8	18.7	18.3	18.5	9.0	8.2	8.6	10.6	9.6	10.2
20	21.2	20.5	20.8	18.9	17.2	18.2	8.5	7.5	7.9	9.6	7.9	8.6
21	21.6	20.8	21.1	17.2	16.8	17.0	7.7	6.6	7.1	8.2	7.4	7.8
22	21.7	21.0	21.2	17.8	16.7	17.0	7.7	7.3	7.4	9.1	7.8	8.3
23	21.1	20.4	20.9	17.8	17.3	17.6	9.1	7.4	7.8	8.4	7.9	8.2
24	20.4	19.3	20.0	18.1	17.6	17.8	10.2	9.1	9.4	8.6	7.5	8.0
25	19.7	18.9	19.4	18.0	16.3	17.2	10.0	8.7	9.2	---	---	---
26	20.6	19.4	19.8	16.5	15.8	16.1	8.7	8.0	8.3	---	---	---
27	21.0	20.5	20.7	16.9	16.3	16.4	8.5	7.8	8.1	6.7	6.2	6.5
28	21.0	20.4	20.9	17.1	16.4	16.8	8.9	7.9	8.2	6.2	4.7	5.7
29	20.7	20.1	20.3	16.4	12.8	14.5	8.9	8.4	8.5	5.8	5.1	5.4
30	20.8	19.8	20.2	12.8	12.3	12.6	9.7	8.8	9.2	6.1	5.4	5.8
31	20.7	19.8	20.2	---	---	---	9.4	8.5	8.8	6.9	5.7	6.1
MONTH	23.6	18.9	21.5	23.6	12.3	18.1	13.0	6.6	9.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.1	5.5	5.7	10.0	8.7	9.4	16.9	16.3	16.6	23.5	23.1	23.3
2	6.4	5.3	5.8	10.9	10.0	10.4	16.6	15.4	16.3	23.9	23.0	23.3
3	6.7	6.1	6.4	12.0	10.9	11.5	15.6	15.2	15.4	23.9	22.8	23.4
4	---	---	---	13.2	12.0	12.7	15.9	15.0	15.4	22.8	21.2	22.1
5	7.3	6.5	6.9	13.9	12.7	13.1	16.0	15.0	15.6	22.4	21.0	21.4
6	9.0	7.2	8.0	14.1	13.6	13.8	16.4	15.3	15.7	23.7	21.5	22.5
7	9.8	8.4	9.1	15.7	13.6	14.2	16.3	15.2	15.8	25.1	23.5	24.1
8	10.5	8.4	9.4	---	---	---	17.2	16.0	16.6	26.4	24.6	25.3
9	8.6	7.9	8.2	---	---	---	18.2	16.8	17.5	26.7	25.8	26.2
10	8.5	8.0	8.2	---	---	---	19.5	17.6	18.6	26.3	25.4	25.8
11	8.8	8.3	8.5	12.8	11.6	11.9	21.0	18.9	20.0	26.2	25.8	26.0
12	8.7	8.1	8.4	12.7	12.1	12.3	21.0	19.8	20.5	26.2	25.7	25.9
13	8.9	7.9	8.3	13.3	12.2	12.7	21.1	20.4	20.7	26.1	25.5	25.8
14	8.6	8.1	8.4	13.2	12.3	12.8	20.4	19.0	19.6	26.5	25.3	25.8
15	8.5	8.1	8.3	---	---	---	19.6	18.2	19.1	26.9	25.3	26.2
16	8.7	7.8	8.2	---	---	---	18.8	17.6	18.1	27.2	26.2	26.6
17	8.3	7.2	7.6	---	---	---	19.6	17.5	18.5	28.6	26.0	27.0
18	8.2	6.9	7.4	16.1	14.9	15.5	20.7	18.9	19.8	26.9	26.0	26.4
19	9.0	7.5	8.1	16.9	15.4	16.2	21.5	19.9	20.8	28.1	26.0	26.6
20	9.8	8.1	8.7	17.1	16.2	16.6	22.1	20.8	21.4	28.0	26.8	27.4
21	10.7	9.2	9.8	17.0	16.3	16.6	22.6	21.5	22.0	28.9	26.7	27.3
22	10.6	9.7	10.3	16.5	14.5	15.6	23.2	21.5	22.2	28.7	27.7	28.2
23	10.6	9.7	10.0	15.0	14.0	14.4	23.7	22.4	23.1	28.5	27.6	27.9
24	10.5	10.1	10.2	14.4	13.7	14.0	25.1	22.9	24.1	28.9	27.8	28.2
25	10.5	9.3	10.1	14.9	13.7	14.3	25.3	24.2	24.7	28.6	27.8	28.2
26	9.3	8.0	8.8	15.9	14.5	15.3	25.3	24.2	24.7	29.9	28.0	28.9
27	8.0	6.9	7.5	17.2	15.5	16.3	25.4	24.4	24.8	29.6	28.7	29.2
28	7.3	6.0	6.6	18.6	17.0	17.8	24.8	23.9	24.3	29.1	28.5	28.8
29	8.7	7.3	8.1	18.9	17.6	18.3	24.5	23.6	23.9	29.4	28.4	28.8
30	---	---	---	18.6	17.3	18.0	24.3	23.3	23.7	29.1	28.3	28.6
31	---	---	---	17.5	16.8	17.2	---	---	---	29.8	28.3	29.0
MONTH	---	---	---	---	---	---	25.4	15.0	20.0	29.9	21.0	26.3

SANTEE RIVER BASIN

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

Temperature, water, 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	29.5	28.3	29.0	28.6	28.0	28.2	30.3	29.6	29.9	28.3	26.9	27.5
2	28.9	28.2	28.5	28.9	28.3	28.6	29.9	29.3	29.5	28.3	27.9	28.1
3	29.0	28.3	28.7	29.3	28.6	28.9	30.1	29.2	29.4	28.1	27.4	27.8
4	28.7	28.2	28.5	29.6	28.9	29.2	30.5	29.3	29.7	28.5	27.3	27.6
5	29.2	28.5	28.8	30.4	29.3	29.7	31.0	30.1	30.5	27.6	27.1	27.4
6	28.9	28.3	28.6	31.0	30.0	30.4	30.9	29.7	30.4	27.1	26.7	26.9
7	28.8	28.0	28.2	31.5	30.5	30.9	30.0	28.9	29.6	26.7	26.0	26.4
8	28.7	28.0	28.3	31.6	30.8	31.1	29.9	28.6	29.1	26.6	25.8	26.1
9	28.3	27.8	28.1	31.3	30.4	30.8	29.7	28.3	28.8	27.5	25.7	26.4
10	29.2	27.8	28.3	30.6	30.0	30.3	28.8	27.9	28.3	27.3	26.4	26.8
11	29.1	28.2	28.6	30.9	29.8	30.1	28.3	27.8	28.0	26.8	26.0	26.3
12	30.2	28.0	29.0	31.1	29.9	30.2	28.5	27.2	27.8	26.3	25.2	25.7
13	28.8	28.4	28.6	31.3	30.3	30.6	27.2	26.4	26.6	26.0	25.4	25.7
14	28.6	28.0	28.3	31.5	30.3	30.6	26.6	26.0	26.3	25.5	24.9	25.2
15	28.0	27.8	27.9	31.7	30.7	30.9	26.6	26.3	26.4	25.3	24.6	24.9
16	28.4	27.7	28.0	31.1	30.6	30.8	26.9	26.2	26.6	26.1	25.0	25.5
17	29.5	27.8	28.5	31.0	29.3	30.6	27.0	26.5	26.7	26.4	25.6	25.9
18	29.0	28.3	28.6	30.3	29.5	29.9	28.0	26.5	26.9	25.6	24.7	25.2
19	30.2	28.2	28.8	30.2	29.5	29.7	27.6	26.9	27.2	25.3	24.0	24.5
20	30.9	29.1	29.8	31.4	29.5	30.1	29.0	27.0	28.0	24.1	22.4	23.1
21	29.9	28.7	29.3	30.4	29.6	29.9	28.6	28.0	28.3	23.6	22.2	22.8
22	29.4	28.6	29.0	30.4	29.4	29.8	29.1	28.2	28.6	23.9	22.5	23.1
23	29.6	28.9	29.1	30.1	29.6	29.8	29.6	28.6	28.9	24.2	23.1	23.6
24	29.7	28.8	29.1	30.8	29.5	30.0	29.3	28.4	28.9	23.9	23.1	23.4
25	29.9	28.7	29.0	30.8	30.1	30.3	30.0	28.3	29.0	23.9	22.9	23.3
26	29.4	28.4	28.9	31.2	29.7	30.3	28.9	28.1	28.4	23.7	22.9	23.2
27	29.2	28.1	28.5	30.9	29.8	30.3	28.7	27.8	28.1	24.0	23.0	23.4
28	29.0	28.3	28.5	30.9	29.9	30.2	28.8	27.6	28.0	24.5	23.7	24.0
29	29.1	28.2	28.5	30.3	29.6	30.0	27.9	25.0	26.5	25.4	23.8	24.4
30	29.5	28.4	28.9	30.2	29.6	29.9	27.7	25.1	26.0	25.4	24.4	24.8
31	---	---	---	30.8	29.6	30.1	28.0	26.9	27.4	---	---	---
MONTH	30.9	27.7	28.7	31.7	28.0	30.1	31.0	25.0	28.2	28.5	22.2	25.3

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	7.6	8.0	9.0	8.0	8.5	10.8	10.1	10.4	12.2	11.2	11.7
2	8.5	6.9	7.7	9.6	8.0	8.6	11.1	10.1	10.4	12.2	10.7	11.8
3	9.0	7.1	8.2	9.4	7.9	8.6	11.3	9.8	10.4	12.5	10.6	11.7
4	8.3	7.4	7.9	8.7	7.7	8.3	11.3	10.6	10.8	12.5	11.1	11.9
5	8.4	7.3	8.0	8.5	7.6	8.2	11.4	10.5	10.8	12.2	10.6	11.5
6	8.3	7.1	7.8	8.3	7.1	7.8	11.4	10.4	10.8	11.4	10.6	11.0
7	8.4	7.2	7.8	8.3	7.4	7.8	11.5	10.8	11.1	11.6	10.8	11.1
8	8.3	7.2	7.8	8.3	7.3	7.7	11.5	10.8	11.1	12.3	11.0	11.5
9	8.4	7.5	7.8	8.7	7.6	8.2	11.2	10.4	10.8	11.8	11.1	11.4
10	7.8	6.9	7.4	9.5	8.2	8.9	11.1	10.2	10.5	11.8	11.3	11.5
11	8.0	7.2	7.5	9.9	8.7	9.1	11.2	10.5	10.7	12.1	11.5	11.8
12	8.0	6.9	7.4	9.3	8.8	9.0	11.4	10.6	11.0	12.3	11.8	12.0
13	8.4	6.8	7.5	9.6	8.7	9.1	11.3	10.8	11.0	12.5	11.6	12.0
14	7.8	6.8	7.2	9.5	8.4	8.9	11.3	10.7	11.0	12.4	11.7	12.1
15	8.6	7.0	7.4	9.7	9.0	9.4	11.5	10.7	11.0	12.3	11.2	11.6
16	8.2	7.1	7.8	9.3	8.9	9.1	11.8	10.8	11.2	12.1	11.5	11.8
17	10.0	7.4	8.5	9.3	7.8	8.6	11.5	11.0	11.2	12.3	11.7	12.0
18	8.9	7.3	8.0	9.6	8.4	8.7	11.8	10.7	11.2	12.0	11.3	11.6
19	8.6	7.7	8.1	9.7	8.5	8.9	11.8	11.2	11.5	11.8	10.8	11.2
20	10.0	7.8	8.7	9.2	8.5	8.8	12.1	11.4	11.7	11.9	11.2	11.5
21	9.4	7.8	8.4	9.6	8.4	9.0	12.1	11.8	12.0	12.1	11.5	11.9
22	9.1	7.4	8.2	9.9	7.9	8.8	12.3	11.5	11.9	12.5	10.6	12.0
23	8.6	7.9	8.3	10.1	8.8	9.3	12.2	11.1	11.7	12.1	11.5	11.9
24	8.6	8.0	8.4	9.6	8.8	9.2	12.3	11.4	11.7	12.3	11.6	11.9
25	9.4	7.6	8.7	10.2	8.8	9.4	12.3	11.6	11.9	---	---	---
26	8.8	6.9	8.3	10.0	9.4	9.7	12.4	11.9	12.0	---	---	---
27	8.6	5.5	7.4	10.0	9.2	9.5	12.3	11.8	12.0	12.7	11.8	12.1
28	8.4	7.8	8.2	9.9	9.3	9.6	12.3	11.8	12.0	13.3	11.8	12.6
29	8.7	7.6	8.2	10.7	9.1	9.7	12.3	11.8	12.0	13.4	12.7	13.0
30	9.1	7.5	8.3	10.7	10.0	10.3	12.2	11.5	11.8	12.9	12.3	12.6
31	9.1	8.1	8.6	---	---	---	12.0	11.3	11.7	13.6	12.3	12.6
MONTH	10.0	5.5	8.0	10.7	7.1	8.9	12.4	9.8	11.3	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.6	12.3	12.8	12.3	12.2	12.3	8.4	5.2	6.9	4.4	3.7	4.0
2	13.7	12.4	12.8	12.2	11.8	12.0	9.3	5.8	7.5	6.0	3.4	4.3
3	12.8	12.2	12.5	11.9	10.8	11.5	9.3	7.0	8.4	7.5	5.7	6.5
4	---	---	---	11.3	10.4	10.9	9.3	6.5	8.2	8.1	6.8	7.4
5	14.0	12.3	13.0	11.7	10.6	11.2	9.2	7.1	8.3	8.2	6.6	7.6
6	14.1	11.2	12.3	11.5	10.8	11.0	9.1	6.2	7.4	8.4	7.0	7.7
7	12.1	11.0	11.5	10.8	10.0	10.5	9.1	6.5	7.5	8.4	6.8	7.6
8	12.1	10.9	11.2	---	---	---	8.9	6.0	7.2	8.0	6.3	7.1
9	12.6	11.8	12.1	---	---	---	8.6	6.4	7.7	7.9	6.6	7.3
10	12.9	12.1	12.4	---	---	---	7.8	5.3	6.5	7.7	5.9	6.4
11	12.9	12.0	12.6	10.9	10.5	10.6	8.9	5.0	6.7	7.4	5.6	6.3
12	12.7	12.2	12.4	10.8	10.4	10.6	8.4	5.0	6.5	7.4	5.8	6.4
13	13.2	12.1	12.4	12.2	10.3	10.5	7.5	4.8	6.2	7.0	5.7	6.2
14	13.2	12.2	12.5	10.8	9.7	10.3	7.4	5.3	6.2	6.3	4.8	5.5
15	12.5	12.0	12.1	---	---	---	7.9	5.2	6.1	7.6	4.6	6.1
16	12.7	11.8	12.1	---	---	---	8.0	5.4	6.5	6.6	5.2	5.9
17	12.3	11.9	12.1	---	---	---	8.0	6.1	7.1	6.7	4.7	5.5
18	12.3	11.9	12.1	9.5	8.0	8.9	8.1	5.6	6.8	5.9	4.6	5.0
19	12.5	12.0	12.2	9.1	7.1	8.3	8.0	5.3	6.6	9.0	4.4	5.3
20	12.7	12.1	12.4	9.2	6.2	7.8	8.3	5.0	6.5	8.2	5.8	7.0
21	12.6	11.7	12.0	9.1	6.2	7.9	8.2	5.0	6.4	8.0	5.5	6.1
22	12.2	11.4	11.8	9.3	6.0	8.5	8.4	4.9	6.5	7.7	5.3	6.4
23	12.2	11.9	12.1	9.6	7.7	8.9	8.4	4.7	6.4	5.6	4.3	4.9
24	12.8	11.8	12.1	10.0	8.6	9.5	7.3	4.7	6.2	6.2	3.9	4.9
25	11.9	11.7	11.8	11.3	8.0	9.3	6.6	4.4	5.2	5.2	4.4	4.8
26	11.9	11.4	11.6	9.5	7.8	8.9	4.6	3.9	4.2	7.6	4.1	5.5
27	12.4	11.7	11.9	9.3	7.1	8.3	4.9	3.9	4.3	6.0	4.5	5.3
28	12.4	12.1	12.3	8.9	6.2	7.7	5.3	4.0	4.5	5.6	4.3	4.9
29	12.3	12.2	12.3	8.3	5.7	7.2	6.8	4.0	5.1	5.2	4.4	4.7
30	---	---	---	8.3	6.1	7.2	5.6	3.5	4.4	4.7	3.3	4.1
31	---	---	---	8.5	4.6	6.6	---	---	---	6.5	3.0	4.2
MONTH	---	---	---	---	---	---	9.3	3.5	6.5	9.0	3.0	5.8

SANTEE RIVER BASIN

02171639 REDIVERSION CANAL AT ST. STEPHENS, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
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	5.6	4.8	5.2	8.0	6.4	7.1	7.1	4.3	5.3	8.9	7.4	8.0
2	4.8	4.0	4.4	7.9	6.7	7.2	7.4	4.6	5.8	8.6	7.0	8.0
3	7.3	3.8	5.7	7.6	6.7	7.2	7.5	6.3	6.8	7.7	5.9	7.1
4	4.0	3.3	3.6	7.5	6.7	7.1	7.8	6.4	7.0	7.5	6.1	6.9
5	5.3	3.6	4.8	7.5	6.6	7.0	7.5	6.6	7.2	7.1	6.3	6.7
6	4.9	3.5	4.2	7.7	6.3	6.9	7.6	6.6	7.1	7.0	5.9	6.4
7	5.6	2.7	4.2	7.6	6.7	7.0	7.5	6.3	6.9	7.8	5.8	6.7
8	5.4	4.2	4.7	7.3	6.4	6.8	7.5	6.1	6.8	7.9	7.1	7.5
9	5.9	4.1	5.3	7.3	6.1	6.7	7.7	5.8	6.5	8.9	7.2	7.9
10	6.8	4.8	5.4	6.9	6.1	6.5	8.1	5.3	6.4	8.5	7.6	8.1
11	6.5	4.2	5.5	7.2	6.1	6.7	6.2	5.0	5.5	8.1	7.2	7.7
12	6.5	4.2	5.1	7.5	6.2	6.6	7.5	4.6	6.3	8.2	7.0	7.6
13	4.7	3.8	4.1	7.3	5.9	6.6	7.5	6.9	7.2	8.4	7.3	7.8
14	5.7	4.4	4.9	7.4	6.1	6.5	7.3	6.4	6.9	8.2	7.4	7.8
15	4.9	4.1	4.5	7.4	5.9	6.5	6.4	5.7	6.0	8.1	7.3	7.7
16	10.3	4.5	7.1	7.9	5.9	6.7	7.2	5.1	6.1	8.0	7.2	7.6
17	10.0	5.4	7.7	7.1	6.1	6.5	7.0	5.3	6.3	7.7	7.1	7.4
18	6.7	5.3	6.0	6.6	5.7	6.1	8.7	5.3	6.3	8.3	7.0	7.5
19	8.5	4.5	5.5	7.2	5.4	6.1	7.4	5.1	6.5	8.5	7.3	7.9
20	7.5	5.8	6.6	7.3	5.2	5.9	8.5	5.8	7.0	8.6	7.8	8.2
21	6.8	4.9	5.8	7.4	5.2	6.2	6.5	5.0	5.7	8.7	7.8	8.3
22	7.2	4.8	5.6	7.0	5.9	6.4	6.7	4.9	5.8	8.8	7.9	8.3
23	7.2	5.2	6.1	6.6	5.5	6.1	7.8	5.9	6.4	9.1	8.1	8.6
24	6.8	6.0	6.4	6.7	5.1	5.6	7.3	5.9	6.4	8.8	8.0	8.4
25	8.0	6.2	7.0	7.2	5.5	6.3	7.6	5.7	6.5	8.8	7.8	8.3
26	7.5	6.5	7.0	7.0	5.2	5.9	7.3	5.7	6.5	8.4	7.8	8.1
27	7.4	6.4	6.9	7.0	5.2	5.8	7.3	5.1	6.0	8.2	7.6	7.8
28	7.8	6.3	7.0	6.7	4.7	5.5	7.5	5.2	6.2	7.9	7.3	7.6
29	7.9	6.7	7.2	6.3	3.1	4.3	9.1	6.6	7.4	7.9	7.2	7.5
30	7.4	6.8	7.2	4.8	2.5	3.2	8.3	7.2	7.6	8.3	7.4	7.8
31	---	---	---	7.0	3.1	5.1	8.5	7.3	7.9	---	---	---
MONTH	10.3	2.7	5.7	8.0	2.5	6.3	9.1	4.3	6.5	9.1	5.8	7.7