

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1985, 1987 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1984 to September 1985, October 1987 to current year.

DISSOLVED OXYGEN: October 1987 to current year.

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

REMARKS.--Temperature records rated excellent. Dissolved oxygen records rated excellent except for Oct. 25-27, Nov. 30 to Dec. 7, Dec. 28 to Jan. 6, Jan. 17-25, Jan. 31 to Feb. 3, Apr. 6-14, May 26, June 3, 16-20, Aug. 29 to Sep. 15, Sep. 26-30, which are good, Oct. 1-11, 14-17, 28-30, Nov. 2-18, Dec. 8-13, Feb. 4-8, Apr. 15-18, June 4-8, Sep. 19, 20, 22, which are fair, and Oct. 18-21, 31, Nov. 1, Feb. 9-16, which are poor. Temperature records prior to Oct. 1984 are in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.0 C, Oct. 9, 10, Sep. 21, 1991; minimum, 6.5 C on many days during Feb. and Mar. 1985, Feb. 5, 6, 1994.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 25, 2005; minimum, 0.1 mg/L on many days 1987-99.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 19.9 C, Sep. 9; minimum, 8.9°C, Feb. 10.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 25; minimum, 0.4 mg/L, Oct. 11, Nov. 30.

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.4	15.2	15.3	16.7	15.6	15.9	17.5	16.5	16.9	11.8	11.5	11.6
2	15.5	15.2	15.4	16.4	15.6	15.9	17.4	16.3	16.8	11.6	11.3	11.5
3	15.5	15.3	15.4	16.4	15.7	16.0	17.4	16.1	16.6	11.7	11.2	11.4
4	15.6	15.3	15.4	15.9	15.5	15.8	17.4	16.1	16.5	11.6	11.0	11.2
5	15.9	15.2	15.5	16.1	15.4	15.6	17.5	16.0	16.5	11.2	10.8	11.0
6	15.8	15.2	15.4	16.4	15.3	15.7	17.4	15.9	16.3	11.0	10.6	10.8
7	16.3	15.2	15.6	16.4	15.4	15.7	17.3	15.9	16.3	10.8	10.5	10.6
8	16.4	15.1	15.5	16.4	15.4	15.7	16.8	15.8	16.4	10.7	10.2	10.4
9	16.0	15.3	15.5	16.2	15.3	15.6	16.5	15.8	16.1	10.7	10.1	10.3
10	16.2	15.3	15.6	16.1	15.2	15.5	16.9	15.8	16.3	10.5	10.0	10.2
11	17.7	15.3	15.9	15.7	15.3	15.5	16.4	15.5	15.9	10.9	10.0	10.3
12	16.2	15.4	15.6	15.9	15.6	15.7	16.6	15.6	15.9	10.7	10.0	10.3
13	16.2	15.3	15.7	15.9	15.4	15.7	16.0	15.4	15.6	10.3	10.0	10.1
14	16.2	15.3	15.6	16.1	15.2	15.5	15.6	15.1	15.3	10.5	9.9	10.2
15	16.1	15.2	15.5	16.2	15.2	15.6	15.3	14.8	15.0	10.4	9.9	10.1
16	16.4	15.2	15.6	17.6	15.3	16.0	15.0	14.4	14.7	10.5	10.0	10.1
17	16.3	15.3	15.7	17.3	15.3	16.1	14.9	14.3	14.5	10.4	9.8	10.2
18	15.9	15.4	15.6	17.3	16.1	16.6	15.0	14.1	14.4	10.3	10.2	10.3
19	19.0	15.4	16.1	17.3	15.6	16.6	14.9	13.9	14.3	10.3	10.1	10.2
20	16.4	15.5	15.8	17.2	15.7	16.4	14.5	13.7	13.9	10.6	10.1	10.3
21	15.7	15.5	15.6	17.4	15.7	16.5	14.3	13.5	13.8	10.6	10.1	10.3
22	15.9	15.4	15.6	17.4	16.2	16.8	13.6	13.2	13.4	10.2	10.0	10.1
23	16.1	15.3	15.6	17.4	16.7	17.0	13.4	13.0	13.3	10.9	10.1	10.4
24	15.8	15.4	15.6	17.5	16.6	17.0	13.0	12.7	12.9	11.2	10.3	10.6
25	16.4	15.5	15.8	18.1	16.8	17.4	12.7	12.5	12.6	11.6	10.2	10.7
26	15.9	15.5	15.6	17.6	16.4	17.1	12.7	12.4	12.5	11.6	10.6	10.9
27	16.2	15.6	15.8	17.0	15.5	16.6	12.8	12.2	12.4	11.2	10.3	10.6
28	17.2	15.6	15.7	17.0	15.6	16.4	12.3	11.9	12.1	10.7	9.8	10.3
29	15.8	15.6	15.7	17.4	15.8	16.6	12.2	11.8	11.9	10.4	10.1	10.3
30	16.5	15.5	15.9	16.8	16.2	16.5	11.9	11.7	11.8	10.5	10.2	10.3
31	16.8	15.7	16.0	---	---	---	11.8	11.6	11.7	10.9	9.8	10.2
MONTH	19.0	15.1	15.6	18.1	15.2	16.2	17.5	11.6	14.6	11.8	9.8	10.5

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.2	4.4	5.1	6.5	5.4	5.8	7.7	5.6	6.5	10.9	10.7	10.8
2	4.5	4.3	4.4	6.2	5.3	5.5	7.1	5.9	6.4	11.0	10.5	10.8
3	4.5	4.3	4.4	5.9	5.1	5.4	7.4	5.9	6.8	10.8	10.5	10.6
4	5.8	4.3	4.9	5.6	4.9	5.3	7.3	6.1	6.7	10.9	10.5	10.6
5	7.0	5.7	6.0	5.3	4.9	5.2	8.7	6.4	7.5	10.7	10.3	10.5
6	6.8	5.7	6.1	6.0	5.1	5.4	9.1	7.7	8.3	10.6	9.6	10.2
7	7.2	5.5	6.1	5.7	4.9	5.2	9.8	8.0	8.6	10.4	9.9	10.1
8	7.0	5.3	5.9	5.5	4.8	5.1	10.5	8.0	9.2	10.3	10.0	10.1
9	6.5	5.1	5.6	5.5	4.6	4.9	9.6	8.1	8.7	10.5	10.0	10.2
10	6.6	4.9	5.5	5.2	4.5	4.8	9.7	8.1	8.7	10.5	10.0	10.2
11	6.6	0.4	4.1	4.9	4.5	4.7	9.5	8.4	8.8	11.5	10.1	10.6
12	---	---	---	5.0	4.4	4.6	9.9	8.5	9.0	11.4	10.6	10.9
13	---	---	---	4.9	4.4	4.6	11.1	8.6	9.4	10.7	9.7	10.1
14	---	---	---	4.8	4.4	4.6	11.5	8.9	9.7	10.4	9.7	10.0
15	7.6	6.0	6.6	5.0	1.7	4.1	10.0	9.1	9.3	10.2	9.6	9.9
16	7.7	6.2	6.7	6.2	1.0	3.9	12.2	9.3	10.2	11.2	9.6	9.9
17	7.4	6.0	6.5	6.1	0.8	4.3	11.8	9.7	10.4	10.0	9.5	9.7
18	6.8	5.9	6.2	6.3	4.5	5.5	10.8	9.7	10.1	9.6	9.5	9.6
19	7.0	5.1	6.2	---	---	---	10.9	9.8	10.3	11.1	9.5	10.5
20	7.4	5.8	6.4	---	---	---	10.3	10.0	10.2	10.9	10.5	10.7
21	6.9	6.0	6.4	---	---	---	11.1	10.1	10.5	10.7	9.8	10.3
22	7.2	6.1	6.5	---	---	---	10.8	10.5	10.6	10.4	9.7	9.9
23	7.2	5.8	6.4	7.0	4.8	6.2	10.7	10.5	10.6	11.9	10.4	11.1
24	6.6	5.7	6.0	7.5	5.1	6.4	10.9	10.6	10.7	12.1	10.8	11.3
25	6.9	5.6	6.0	9.2	6.0	7.3	11.0	10.7	10.8	11.9	10.8	11.3
26	6.6	5.6	5.9	7.8	6.0	6.6	10.8	10.6	10.7	11.6	10.8	11.1
27	6.7	5.5	5.9	7.2	6.2	6.7	11.0	10.6	10.8	11.9	11.0	11.3
28	6.3	4.3	5.5	8.0	6.0	6.9	11.2	10.6	10.9	12.2	11.1	11.6
29	6.1	5.4	5.7	8.9	1.3	5.8	11.4	10.7	10.8	11.9	11.3	11.5
30	6.3	5.3	5.6	6.6	0.4	4.8	10.9	10.8	10.8	12.2	11.4	11.7
31	6.6	5.3	5.8	---	---	---	10.8	10.7	10.7	12.6	11.6	12.0
MONTH	---	---	---	---	---	---	12.2	5.6	9.4	12.6	9.5	10.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.6	11.7	11.9	12.6	11.8	12.3	10.6	10.3	10.5	9.7	8.7	9.1
2	12.0	11.6	11.8	13.0	12.6	12.8	11.0	10.4	10.6	9.8	8.4	9.0
3	11.7	11.6	11.7	13.3	12.5	12.8	11.1	10.3	10.6	10.4	7.8	9.1
4	11.8	11.6	11.7	12.8	12.2	12.5	10.6	10.3	10.6	11.1	8.6	9.6
5	11.7	11.6	11.6	12.8	12.4	12.6	10.8	10.4	10.6	10.6	8.6	9.5
6	11.9	11.6	11.8	12.7	12.5	12.6	10.8	10.6	10.7	11.3	8.9	9.8
7	11.9	11.7	11.8	12.9	12.4	12.7	10.9	10.3	10.6	10.2	8.4	8.9
8	11.9	11.7	11.8	13.1	12.6	12.8	10.4	10.2	10.3	10.5	8.1	9.4
9	11.8	11.6	11.7	13.0	12.7	12.9	10.3	10.1	10.2	10.2	8.3	9.1
10	12.0	11.5	11.7	12.9	12.7	12.8	10.7	10.1	10.5	10.3	8.4	8.9
11	11.7	11.5	11.6	12.9	12.7	12.8	10.7	10.3	10.6	10.6	8.7	9.6
12	11.7	11.4	11.5	13.1	12.9	12.9	10.5	10.0	10.3	10.6	8.7	9.6
13	11.6	11.2	11.3	13.2	12.8	13.0	10.3	9.8	10.2	10.6	8.7	9.4
14	11.3	11.1	11.2	13.1	12.8	12.9	10.1	9.8	9.9	10.6	8.7	9.4
15	11.2	10.8	11.0	13.1	12.7	12.9	10.3	9.7	10.1	10.4	8.5	9.3
16	11.2	10.7	10.9	12.8	12.5	12.7	10.6	9.9	10.2	10.6	8.5	9.3
17	11.2	10.7	11.0	12.8	12.4	12.6	11.9	10.0	11.3	10.5	8.3	9.2
18	11.4	10.9	11.1	12.9	12.5	12.6	11.2	9.7	10.5	11.1	8.3	9.5
19	11.5	11.2	11.3	12.9	12.4	12.6	10.1	9.2	9.6	11.2	8.9	9.7
20	11.5	11.2	11.3	12.7	12.1	12.5	10.1	9.2	9.6	9.0	7.0	8.0
21	11.6	11.2	11.3	12.5	12.0	12.2	9.8	9.2	9.5	10.1	7.1	8.3
22	12.2	11.2	11.6	12.3	11.8	12.0	9.7	9.0	9.4	11.9	9.2	10.2
23	12.3	11.5	11.8	12.1	11.7	11.9	10.4	9.1	9.4	11.3	7.6	9.1
24	12.1	11.5	11.7	12.0	11.5	11.7	9.3	8.8	9.0	10.0	8.6	9.3
25	14.4	11.6	12.5	11.8	11.2	11.5	9.3	8.9	9.0	9.1	8.2	8.7
26	12.7	11.7	12.1	11.5	11.0	11.2	9.1	8.8	8.9	10.3	8.6	9.4
27	12.5	11.7	12.0	11.0	10.6	10.8	9.1	8.7	8.9	10.3	8.5	9.3
28	12.1	11.5	11.8	10.8	10.4	10.5	9.2	8.7	8.9	9.9	8.4	9.1
29	---	---	---	10.6	10.2	10.4	9.7	8.7	9.1	10.0	8.3	8.9
30	---	---	---	10.6	10.3	10.4	9.3	8.9	9.1	10.7	7.4	8.1
31	---	---	---	10.5	10.3	10.4	---	---	---	10.6	7.4	8.8
MONTH	14.4	10.7	11.6	13.3	10.2	12.2	11.9	8.7	10.0	11.9	7.0	9.2

SANTEE RIVER BASIN

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.0	7.4	8.9	7.4	8.4	7.5	6.9	7.1	3.8	3.6	3.7
2	7.4	6.9	7.1	8.5	5.0	6.3	7.2	6.9	7.0	3.8	3.6	3.7
3	7.1	6.9	7.0	7.8	6.3	6.7	7.7	7.2	7.4	3.8	3.5	3.6
4	6.9	6.6	6.8	8.8	6.3	6.8	7.8	7.0	7.4	3.7	3.5	3.6
5	7.0	6.4	6.6	10.5	8.8	9.8	7.9	7.0	7.3	3.7	3.4	3.5
6	9.6	7.0	8.7	9.8	5.6	7.5	7.7	6.9	7.2	3.8	3.4	3.6
7	8.6	7.1	7.6	6.4	5.4	6.1	7.7	7.0	7.2	3.9	3.6	3.7
8	7.4	7.1	7.2	9.6	5.2	7.9	9.0	3.4	7.0	4.5	3.6	4.0
9	8.0	7.0	7.4	10.2	5.9	8.4	8.6	4.7	7.2	7.5	3.8	5.5
10	8.3	7.6	7.9	7.8	7.1	7.4	8.8	7.5	7.9	8.1	5.7	6.7
11	8.4	7.9	8.1	7.4	6.9	7.2	8.7	7.6	8.0	8.2	5.8	6.8
12	8.2	7.8	8.0	7.4	6.6	6.9	8.8	7.6	8.1	7.8	5.9	6.7
13	8.6	7.3	7.9	6.6	6.4	6.5	8.7	7.6	8.0	7.7	5.9	6.6
14	11.0	8.1	9.4	6.7	6.4	6.5	8.8	4.6	7.6	7.6	5.9	6.6
15	11.2	9.0	10.1	8.1	6.4	7.3	8.3	6.3	7.2	7.7	5.2	6.3
16	10.8	9.0	10.0	8.7	7.5	8.2	7.1	6.3	6.6	---	---	---
17	10.5	7.5	9.1	8.7	7.9	8.2	7.1	6.3	6.6	---	---	---
18	11.1	9.1	9.9	8.5	7.4	7.9	7.2	6.2	6.6	---	---	---
19	10.6	9.2	9.7	8.3	7.7	7.9	7.2	4.0	6.1	---	---	---
20	11.2	9.3	10.0	8.3	4.8	6.9	7.3	4.3	6.5	---	---	---
21	10.9	8.3	9.5	8.2	5.5	7.1	7.6	6.2	6.8	---	---	---
22	9.2	8.2	8.6	9.9	8.0	8.8	7.0	6.2	6.4	---	---	---
23	9.2	8.3	8.6	9.9	8.2	8.8	7.0	5.3	6.4	---	---	---
24	9.1	8.2	8.6	9.7	8.2	8.8	6.8	6.0	6.3	---	---	---
25	9.1	8.1	8.5	10.0	8.2	8.8	6.4	3.6	5.0	---	---	---
26	9.0	8.2	8.5	9.8	4.5	8.3	4.3	3.8	4.0	---	---	---
27	9.1	7.0	8.2	10.0	8.3	9.0	6.6	3.7	4.9	6.5	5.4	6.1
28	10.5	7.0	7.9	9.8	8.5	9.0	7.0	6.0	6.4	6.1	4.5	5.3
29	7.8	6.4	7.4	9.9	8.7	9.1	6.7	5.8	6.2	6.4	3.9	5.7
30	9.1	7.7	8.3	9.8	8.8	9.1	6.6	4.6	5.9	6.8	3.3	5.7
31	---	---	---	9.6	7.3	8.3	5.9	2.0	4.2	---	---	---
MONTH	11.2	6.4	8.3	10.5	4.5	7.9	9.0	2.0	6.7	---	---	---