

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.--USGS mini-monitor and data collection platform.

REMARKS.--Records of water temperature prior to October 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, 14.0 mg/L, Feb. 17, 1995; minimum, 0.1 mg/L on many days 1987-99.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.5 C on several days November and July; minimum, 7.0°C, Feb. 18-23.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L, Mar. 9; minimum, 0.2 mg/L, Sep. 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	15.5	17.0	19.0	16.5	17.5	17.0	16.5	16.5	14.0	13.0	13.5
2	19.0	15.5	17.0	19.0	17.0	18.0	17.0	16.0	16.5	14.0	13.0	13.5
3	19.0	16.0	17.0	19.0	16.5	17.5	17.0	16.0	16.5	14.5	13.0	13.5
4	16.5	16.0	16.0	20.0	16.5	18.0	18.0	16.0	16.5	13.5	12.0	13.0
5	17.5	16.0	16.5	20.0	17.0	18.0	18.0	16.0	17.0	12.5	11.5	12.0
6	20.0	15.5	17.5	19.5	17.0	18.0	17.5	16.0	17.0	12.5	12.0	12.0
7	16.5	16.0	16.0	19.5	17.0	18.0	17.0	15.5	16.0	12.0	11.5	12.0
8	19.0	16.0	17.0	20.0	17.5	18.5	17.5	15.5	16.0	13.0	11.5	12.0
9	19.0	16.5	17.5	20.0	17.0	18.5	17.5	15.5	16.0	13.0	12.0	12.5
10	18.0	17.0	17.5	20.0	17.5	18.5	16.5	16.0	16.5	13.5	12.0	12.5
11	19.0	16.0	17.5	20.0	17.5	18.5	17.0	15.5	16.0	13.0	11.5	12.0
12	19.0	16.5	18.0	19.0	17.5	18.0	16.5	15.5	16.0	12.0	11.5	11.5
13	19.0	18.0	18.5	19.5	17.5	18.0	16.5	16.0	16.5	12.0	11.0	11.5
14	18.5	16.0	17.0	19.5	17.0	18.0	17.0	16.0	16.5	12.0	11.0	11.5
15	17.5	16.5	17.0	19.0	16.5	18.0	17.0	15.5	16.0	12.0	11.5	11.5
16	17.5	16.0	16.5	18.5	16.0	17.5	17.0	15.0	15.5	12.0	11.5	11.5
17	17.0	16.0	16.5	18.0	17.0	17.5	15.5	15.0	15.5	12.5	11.5	12.0
18	17.5	16.5	17.0	18.5	17.0	17.5	16.0	15.0	15.5	12.0	11.5	11.5
19	19.0	16.5	17.5	18.5	17.0	17.5	15.5	15.5	15.5	12.0	11.5	11.5
20	18.5	18.0	18.5	19.0	17.5	18.0	15.5	15.0	15.5	12.0	11.5	11.5
21	18.0	16.5	17.0	18.5	17.5	17.5	15.0	14.5	15.0	11.5	10.5	11.5
22	18.5	16.5	17.0	18.0	17.0	17.5	15.0	14.5	14.5	11.0	11.0	11.0
23	18.5	16.0	17.0	20.5	17.0	19.0	14.5	14.0	14.5	11.0	10.5	11.0
24	18.5	16.0	17.0	20.0	18.5	19.0	15.0	14.0	14.0	11.0	10.5	10.5
25	18.5	16.5	17.0	20.0	18.5	19.0	15.0	13.5	14.0	10.5	10.0	10.5
26	18.5	16.5	17.5	20.0	18.0	19.0	14.5	13.5	14.0	10.5	10.0	10.0
27	19.0	16.5	17.5	20.0	17.5	18.5	14.5	13.5	13.5	10.0	10.0	10.0
28	19.0	16.5	17.5	20.5	18.0	19.0	14.0	13.5	13.5	10.0	9.5	10.0
29	19.0	16.5	17.5	20.5	18.0	19.0	15.5	13.5	14.0	9.5	9.5	9.5
30	18.5	16.5	17.0	19.5	16.5	18.0	15.0	13.0	13.5	9.5	9.5	9.5
31	19.0	16.5	17.5	---	---	---	14.0	13.0	13.5	9.5	9.5	9.5
MONTH	20.0	15.5	17.2	20.5	16.0	18.1	18.0	13.0	15.4	14.5	9.5	11.5



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OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.1	4.7	6.2	7.6	1.9	6.0	10.5	9.2	10.0	10.3	9.0	9.5
2	7.9	4.8	6.1	6.4	1.6	5.5	11.0	10.1	10.6	10.5	9.1	9.6
3	7.8	4.8	6.1	8.1	5.4	6.3	11.0	9.2	10.3	10.7	9.2	9.7
4	8.0	5.6	7.2	7.1	4.5	5.5	10.4	8.8	9.5	9.6	9.0	9.3
5	8.5	7.0	7.5	6.8	4.1	5.1	10.3	8.8	9.4	10.2	9.0	9.6
6	9.9	6.8	8.1	6.2	3.8	4.8	10.1	8.7	9.3	10.4	9.2	9.8
7	8.2	6.4	7.0	6.0	3.8	4.5	10.4	7.6	9.2	10.1	9.1	9.8
8	8.3	6.1	7.2	5.8	3.4	4.4	10.6	8.2	9.3	10.5	9.1	9.6
9	8.3	5.7	6.7	5.9	3.4	4.3	9.6	7.8	8.8	10.4	9.1	9.6
10	7.7	4.8	6.2	6.2	3.4	4.4	9.0	8.2	8.6	10.5	9.0	9.6
11	7.6	.8	4.9	6.4	3.6	4.9	9.7	8.3	8.8	10.3	8.8	9.4
12	7.9	1.9	4.4	7.5	5.3	6.1	9.8	8.3	8.9	10.0	8.9	9.3
13	6.5	3.2	4.5	7.7	5.5	6.3	9.1	8.2	8.7	9.9	8.9	9.4
14	5.5	.6	3.1	7.9	5.5	6.3	9.8	8.0	8.9	11.0	8.9	9.6
15	6.3	.6	3.4	7.9	4.3	6.2	9.9	8.3	8.9	10.1	8.9	9.4
16	6.1	.5	2.5	8.1	1.2	6.2	10.3	8.5	9.3	10.2	9.0	9.7
17	8.5	.7	5.3	10.1	4.0	8.4	---	---	---	10.6	9.2	9.9
18	7.6	4.3	6.1	9.4	6.4	7.9	---	---	---	11.5	9.2	10.0
19	8.6	3.8	6.2	8.2	6.1	6.9	10.6	9.2	9.7	12.1	9.2	10.4
20	5.1	3.5	4.2	7.7	6.0	6.6	10.0	8.9	9.4	10.9	9.7	10.2
21	6.3	3.7	4.9	7.3	6.0	6.5	9.4	8.1	8.9	11.4	9.7	10.4
22	8.4	6.0	7.0	7.8	5.9	6.6	9.3	8.5	8.9	11.9	10.1	10.7
23	8.8	6.0	7.1	7.2	3.4	4.7	9.4	8.5	8.9	11.1	10.0	10.7
24	8.4	6.2	7.1	5.4	3.3	4.2	9.8	8.5	9.0	11.8	9.9	10.5
25	8.8	6.1	7.3	5.2	3.0	4.1	9.9	8.5	9.2	12.7	9.2	11.0
26	8.9	6.5	7.6	5.6	3.6	4.4	10.0	8.6	9.2	11.0	9.3	10.0
27	8.4	6.0	7.4	6.0	3.7	4.9	10.0	8.7	9.3	11.4	9.4	10.1
28	8.4	6.0	6.9	6.0	3.6	4.5	10.8	8.3	9.1	11.6	9.3	10.2
29	8.4	6.0	6.9	5.5	3.6	4.4	10.3	8.8	9.5	11.2	10.0	10.5
30	8.2	5.9	6.7	9.8	3.9	5.6	10.3	8.8	9.4	11.5	9.8	10.5
31	8.5	5.8	6.9	---	---	---	10.4	8.9	9.5	11.2	9.8	10.3
MONTH	9.9	.5	6.1	10.1	1.2	5.6	11.0	7.6	9.3	12.7	8.8	9.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.1	10.1	10.6	11.6	9.4	10.2	---	---	---	11.0	7.8	9.1
2	11.3	10.1	10.7	11.8	9.4	10.3	---	---	---	10.1	8.0	8.9
3	11.4	10.2	10.7	11.7	9.3	10.2	---	---	---	10.6	7.9	8.9
4	12.5	10.1	11.0	11.2	8.7	9.7	---	---	---	10.3	7.9	8.8
5	12.1	10.2	11.0	13.1	8.7	10.6	---	---	---	10.1	7.8	8.7
6	12.6	10.1	11.2	13.5	8.7	10.6	---	---	---	10.1	7.7	8.6
7	12.5	10.4	11.4	13.8	8.7	10.7	---	---	---	10.0	7.6	8.6
8	12.6	10.4	11.7	13.1	8.7	10.6	---	---	---	9.9	7.5	8.5
9	13.1	12.3	12.7	13.9	8.6	10.6	---	---	---	9.6	6.8	7.8
10	12.8	10.6	11.4	12.8	8.5	9.9	---	---	---	10.7	7.4	8.8
11	11.4	10.3	10.9	13.1	8.4	10.1	---	---	---	10.9	7.4	8.8
12	11.0	10.3	10.6	11.5	9.6	10.2	9.8	8.4	9.0	10.1	7.4	8.3
13	11.1	10.2	10.6	11.3	9.5	10.2	9.3	8.0	8.7	9.3	6.7	7.8
14	11.2	10.1	10.6	10.7	9.5	10.2	9.1	8.0	8.8	8.9	7.4	8.0
15	11.4	10.1	10.6	10.7	9.5	10.0	9.0	8.0	8.6	9.7	7.4	8.3
16	11.2	10.1	10.6	10.8	9.6	10.0	9.9	8.8	9.3	9.5	7.3	8.2
17	10.9	10.1	10.5	11.6	9.2	10.2	9.8	7.7	8.6	9.2	7.3	8.1
18	11.1	10.1	10.6	11.5	9.3	10.3	11.2	8.2	9.5	9.7	7.3	8.5
19	11.0	10.2	10.5	11.4	9.3	10.2	11.5	8.1	9.4	9.2	7.1	8.1
20	11.6	10.1	10.7	11.0	9.3	9.8	11.2	7.9	9.3	8.8	6.5	7.7
21	11.8	10.1	10.7	10.9	9.3	9.8	9.6	7.9	8.8	9.0	6.7	7.6
22	11.7	10.0	10.7	10.8	9.3	9.9	10.5	8.2	9.2	8.9	6.6	7.5
23	11.0	9.9	10.4	11.1	9.2	10.1	10.4	8.2	9.1	8.6	6.5	7.4
24	11.2	9.9	10.3	10.5	9.1	9.9	9.9	8.1	8.8	8.7	6.4	7.2
25	11.6	9.8	10.4	12.4	9.0	10.3	9.7	8.1	8.8	8.7	6.5	7.4
26	11.2	9.6	10.2	11.0	9.0	10.0	10.7	8.1	9.2	9.8	6.2	7.7
27	11.2	9.6	10.1	10.4	9.1	9.8	10.7	8.1	9.1	8.5	6.4	7.2
28	11.7	9.6	10.3	10.4	9.0	9.6	10.4	8.0	8.9	8.6	6.7	7.4
29	11.8	9.6	10.4	10.8	9.6	10.0	10.8	8.0	9.1	8.5	6.8	7.5
30	---	---	---	10.4	9.2	9.7	10.9	8.0	9.2	9.4	6.9	7.9
31	---	---	---	10.8	9.7	10.1	---	---	---	9.7	7.2	8.3
MONTH	13.1	9.6	10.8	13.9	8.4	10.1	11.5	7.7	9.0	11.0	6.2	8.1

