

02110725 AIW AT HIGHWAY 544 AT SOCASTEE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986-92, October 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1986 to November 1992 (discontinued).

pH: February 1986 to September 1989 (discontinued).

WATER TEMPERATURE: February 1986 to November 1992, October 2001 to current year.

DISSOLVED OXYGEN: February 1986 to November 1992, October 2001 to current year.

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

REMARKS.--Temperature records rated excellent except for June 21 to July 11, which are good. Dissolved oxygen records rated excellent except for Dec. 20-29, Sep. 16-30, which are good, May 3-11, which are fair, and July 11-27, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 360 microsiemens, Apr. 5, 1990; minimum, 47 microsiemens, Mar. 27, 1987.

pH: Maximum, 7.7 units, Aug. 29, 1988; minimum, 5.1 units, Sep. 13, 1988.

WATER TEMPERATURE: Maximum, 32.5°C, July 12, 1989, July 28, 2005; minimum, 1.0°C, Dec. 28, 1989.

DISSOLVED OXYGEN: Maximum, 11.5 mg/L, Jan. 13, 14, 16-18, 1988; minimum, 0.4 mg/L, Oct. 5, 6, 18, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.5°C, July 28; minimum, 5.4°C, Jan. 30, 31.

DISSOLVED OXYGEN: Maximum, 10.6 mg/L, Jan. 30, 31; minimum, 0.6 mg/L, Oct. 1.

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	24.1	23.6	23.8	20.3	19.6	19.9	15.0	14.4	14.6	7.8	7.2	7.5
2	24.6	23.8	24.1	20.9	20.1	20.5	14.5	14.1	14.3	8.3	7.6	8.0
3	24.7	24.0	24.2	21.2	20.6	20.9	14.2	13.8	13.9	8.8	8.1	8.5
4	24.8	23.8	24.0	21.4	21.0	21.2	13.8	13.2	13.5	9.7	8.6	9.1
5	24.0	23.4	23.7	21.4	20.7	21.1	13.6	12.8	13.0	10.5	9.3	9.9
6	23.7	22.8	23.2	20.7	20.0	20.3	13.3	12.8	13.0	11.3	10.1	10.7
7	22.8	22.0	22.5	20.6	19.5	19.8	14.7	13.0	13.5	11.9	11.0	11.4
8	22.1	21.6	21.9	19.8	19.1	19.4	15.0	13.7	14.1	12.6	11.7	12.1
9	22.1	21.7	21.9	19.2	18.1	18.7	15.4	14.2	14.5	13.0	12.6	12.8
10	22.2	21.7	21.9	18.1	17.2	17.6	15.4	14.7	15.1	13.6	12.8	13.3
11	22.1	21.6	21.9	17.2	16.7	16.9	15.2	14.5	14.9	13.7	13.3	13.5
12	21.8	21.5	21.7	17.0	16.6	16.8	14.5	13.9	14.2	13.9	13.6	13.7
13	21.9	21.4	21.7	16.8	16.1	16.6	14.0	13.5	13.8	14.5	13.9	14.2
14	21.7	21.3	21.5	16.2	15.4	15.7	13.5	12.6	13.1	15.0	14.4	14.7
15	21.4	20.4	20.9	15.4	14.5	14.9	12.6	11.4	12.0	14.5	13.5	14.0
16	20.4	19.3	19.8	14.5	13.8	14.1	11.4	10.5	11.0	13.5	12.3	12.9
17	19.8	18.9	19.2	14.0	13.4	13.7	10.7	10.3	10.4	12.4	10.9	11.6
18	19.8	19.0	19.3	13.8	13.2	13.5	10.6	10.1	10.3	10.9	9.4	10.1
19	20.3	19.5	19.9	14.3	13.5	13.8	10.2	9.8	10.0	9.4	8.2	8.7
20	21.0	20.3	20.6	14.9	13.9	14.3	9.8	8.7	9.2	8.2	7.7	7.9
21	21.2	20.6	20.8	15.0	14.4	14.7	8.9	8.2	8.5	8.3	7.8	8.0
22	21.0	20.5	20.7	15.4	14.9	15.2	8.7	7.9	8.3	8.4	7.7	8.1
23	20.5	19.9	20.1	15.7	15.3	15.6	9.3	8.4	8.9	8.2	7.4	7.9
24	19.9	19.3	19.5	16.0	15.7	15.8	9.3	8.8	9.0	7.5	7.0	7.3
25	19.3	18.8	19.1	16.5	16.0	16.2	9.0	8.4	8.8	7.2	6.8	7.0
26	18.8	18.5	18.6	16.0	15.3	15.7	8.4	7.1	7.8	7.3	6.7	7.0
27	18.6	18.1	18.4	15.4	14.9	15.2	7.1	6.2	6.6	7.4	6.9	7.1
28	18.6	18.4	18.5	15.3	14.9	15.2	6.5	5.8	6.3	7.1	6.2	6.6
29	18.5	18.4	18.4	14.9	14.4	14.7	6.7	5.9	6.4	6.2	5.5	5.7
30	19.1	18.4	18.7	14.6	14.2	14.5	7.0	6.3	6.6	6.0	5.4	5.6
31	19.8	18.9	19.3	---	---	---	7.4	6.7	7.0	6.2	5.4	5.8
MONTH	24.8	18.1	21.0	21.4	13.2	16.8	15.4	5.8	11.1	15.0	5.4	9.7

WACCAMAW RIVER BASIN

02110725 AIW AT HIGHWAY 544 AT SOCASTEE, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6.4	5.8	6.0	10.9	10.2	10.6	18.8	18.0	18.4	20.3	19.2	19.7
2	6.3	5.8	6.0	10.8	10.0	10.3	19.0	18.1	18.6	21.3	19.6	20.2
3	6.4	6.0	6.2	10.9	9.9	10.2	18.4	17.3	17.8	21.0	19.9	20.4
4	6.8	6.0	6.4	11.5	9.7	10.2	18.7	17.0	17.6	21.2	20.2	20.5
5	7.2	6.2	6.7	11.5	10.0	10.5	18.6	17.5	18.0	20.5	19.4	19.9
6	7.6	6.7	7.1	11.7	10.3	10.8	19.4	18.2	18.8	19.4	18.6	19.0
7	8.2	7.3	7.7	12.0	10.7	11.3	19.7	19.1	19.4	19.4	18.0	18.6
8	8.9	8.0	8.5	12.3	11.6	11.9	19.9	19.2	19.5	19.8	18.6	19.2
9	9.6	8.9	9.3	11.9	11.4	11.6	19.5	18.9	19.3	20.7	19.3	20.0
10	10.4	9.6	10.0	11.9	11.2	11.5	19.1	18.3	18.7	21.3	20.1	20.6
11	10.4	9.6	9.9	12.0	11.1	11.5	19.2	18.3	18.8	22.3	20.9	21.5
12	10.0	9.2	9.5	12.2	11.0	11.5	19.1	18.6	18.8	23.2	21.8	22.4
13	9.7	9.0	9.4	12.9	11.6	12.2	18.7	18.2	18.5	23.1	22.7	22.9
14	9.9	9.4	9.6	12.9	12.6	12.8	18.2	16.6	17.4	23.8	22.8	23.3
15	10.8	9.8	10.2	13.4	12.4	12.7	16.7	15.7	16.3	24.4	23.2	23.8
16	11.9	10.5	11.1	12.7	12.0	12.4	15.9	15.3	15.6	24.5	23.7	24.0
17	12.3	11.5	11.8	12.1	10.8	11.4	16.2	15.0	15.6	24.4	23.7	24.0
18	12.2	11.5	11.8	11.2	10.4	10.8	17.0	15.5	16.1	25.0	23.6	24.0
19	12.5	11.1	11.7	11.1	10.6	10.9	18.0	16.2	16.9	25.1	23.7	24.2
20	12.0	11.3	11.6	12.2	10.7	11.5	18.4	16.9	17.6	25.4	24.0	24.4
21	12.1	11.6	11.8	13.3	12.0	12.6	19.4	17.6	18.3	24.2	23.2	23.7
22	12.8	11.8	12.3	13.7	12.9	13.3	19.8	18.4	19.0	23.3	22.8	23.1
23	13.4	12.7	13.0	15.0	13.7	14.3	19.9	19.2	19.4	23.8	22.6	23.1
24	13.2	12.9	13.2	16.0	14.6	15.3	19.2	18.3	18.8	24.2	22.9	23.3
25	12.9	12.3	12.7	16.5	15.7	16.1	18.8	17.9	18.3	23.3	22.5	22.9
26	12.6	11.8	12.2	17.2	16.4	16.7	18.4	18.0	18.2	23.6	22.0	22.5
27	12.2	11.2	11.7	17.0	16.7	16.9	19.0	18.0	18.4	23.3	22.0	22.6
28	11.3	10.8	11.0	18.0	16.7	17.3	19.5	18.2	18.7	23.8	22.5	23.0
29	---	---	---	17.5	16.2	16.9	19.9	18.6	19.0	24.1	22.9	23.5
30	---	---	---	18.3	16.9	17.4	19.8	19.0	19.3	23.7	23.2	23.5
31	---	---	---	18.6	17.7	18.0	---	---	---	23.3	23.0	23.2
MONTH	13.4	5.8	9.9	18.6	9.7	12.9	19.9	15.0	18.2	25.4	18.0	22.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
Temperature, water, degrees Celsius												
JUNE			JULY			AUGUST			SEPTEMBER			
1	23.0	22.5	22.7	29.5	27.7	28.4	30.2	29.5	29.9	29.8	28.4	28.9
2	23.0	22.4	22.7	29.3	28.2	28.7	30.4	29.2	29.7	29.3	28.5	28.8
3	23.2	22.6	22.9	---	---	---	30.3	29.1	29.7	29.2	28.4	28.8
4	23.5	22.9	23.2	29.0	28.2	28.6	30.4	29.4	29.8	29.0	28.4	28.6
5	24.6	23.2	23.8	29.5	28.5	29.0	30.1	29.6	29.8	28.4	27.8	28.1
6	25.6	24.0	24.6	29.8	28.8	29.3	29.8	29.2	29.5	27.8	27.2	27.5
7	26.0	24.7	25.2	30.2	29.1	29.6	29.2	28.5	28.8	27.2	26.5	26.9
8	26.3	25.3	25.8	---	---	---	28.5	27.1	27.8	27.2	26.0	26.5
9	26.8	25.8	26.3	---	---	---	27.1	26.6	26.8	26.8	26.0	26.3
10	27.3	26.3	26.7	---	---	---	27.5	26.6	27.0	26.2	25.6	26.0
11	27.2	26.5	26.8	29.3	29.0	29.2	27.7	26.9	27.3	25.6	25.1	25.4
12	27.2	26.6	26.9	29.8	28.9	29.3	28.5	27.4	28.0	25.5	24.7	25.1
13	27.5	26.7	27.0	30.6	29.3	29.7	28.9	28.0	28.4	25.2	25.0	25.1
14	28.6	27.0	27.5	30.0	29.5	29.7	28.5	28.3	28.4	25.0	24.3	24.7
15	29.6	27.4	28.1	30.0	29.2	29.5	29.8	28.0	28.7	26.1	24.0	24.7
16	29.7	28.0	28.7	30.2	29.1	29.6	30.0	28.5	29.1	26.1	24.6	25.1
17	29.3	28.2	28.6	31.1	29.4	30.1	29.9	29.1	29.3	26.2	25.3	25.7
18	28.5	28.0	28.3	30.7	29.8	30.1	29.2	29.0	29.1	26.6	25.9	26.3
19	28.0	27.4	27.7	31.2	29.7	30.3	29.3	28.6	29.0	27.0	26.3	26.6
20	---	---	---	31.6	29.9	30.5	29.8	28.8	29.3	27.4	26.6	26.9
21	---	---	---	31.2	30.3	30.7	30.4	29.3	29.8	27.6	26.7	27.1
22	27.2	26.1	26.6	31.2	30.4	30.8	30.7	29.8	30.2	27.7	26.8	27.1
23	27.6	26.4	27.0	31.3	30.5	30.9	30.5	29.7	30.0	28.0	26.7	27.1
24	27.9	26.8	27.2	31.3	30.4	30.8	---	---	---	27.7	26.7	27.2
25	27.3	26.8	27.0	31.0	30.1	30.5	---	---	---	27.5	26.8	27.1
26	27.8	26.5	26.9	31.6	29.9	30.6	28.0	27.2	27.6	27.3	26.8	27.0
27	28.0	26.9	27.3	32.0	30.5	31.1	27.4	26.5	27.0	27.2	26.7	26.9
28	27.4	27.2	27.3	32.5	---	---	27.6	26.6	27.1	27.2	26.5	26.8
29	27.6	27.1	27.3	---	---	---	28.6	27.2	27.8	27.3	26.4	26.7
30	28.3	27.1	27.7	31.8	31.1	31.4	28.8	27.8	28.2	26.8	26.2	26.4
31	---	---	---	31.1	30.0	30.4	29.5	28.1	28.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	29.8	24.0	26.7



WACCAMAW RIVER BASIN

02110725 AIW AT HIGHWAY 544 AT SOCASTEE, 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
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.2	4.9	5.0	3.5	3.2	3.3	4.3	3.8	4.0	3.3	2.9	3.0
2	5.0	4.7	4.9	3.6	3.3	3.4	4.3	3.8	3.9	3.1	2.8	2.9
3	4.8	4.6	4.7	---	---	---	4.2	3.8	3.9	3.4	2.9	3.1
4	5.0	4.4	4.7	4.1	3.6	3.8	4.0	3.7	3.8	3.9	3.3	3.6
5	4.6	4.2	4.4	4.0	3.5	3.7	3.8	3.5	3.6	4.3	3.7	4.0
6	4.4	4.0	4.2	3.6	3.3	3.4	3.9	3.5	3.6	4.4	4.0	4.2
7	4.2	3.8	3.9	3.4	3.1	3.2	4.3	3.7	4.0	4.4	4.0	4.2
8	3.8	3.6	3.7	---	---	---	4.6	4.0	4.3	4.4	4.0	4.2
9	3.7	3.4	3.5	---	---	---	4.6	4.0	4.2	4.4	3.9	4.1
10	3.8	3.3	3.5	---	---	---	4.0	3.8	3.9	4.6	4.0	4.2
11	3.9	3.4	3.7	---	---	---	3.8	3.5	3.6	4.8	4.2	4.4
12	3.9	3.5	3.7	3.7	3.4	3.5	3.6	3.3	3.5	5.1	4.4	4.7
13	3.8	3.4	3.6	3.9	3.5	3.7	3.6	3.3	3.4	6.2	4.5	5.1
14	3.6	3.4	3.5	3.7	3.5	3.6	3.7	3.4	3.5	6.0	5.4	5.8
15	3.6	3.2	3.4	4.0	3.5	3.7	3.8	3.3	3.5	5.8	5.3	5.5
16	3.5	3.1	3.2	4.2	3.6	3.9	3.6	3.3	3.4	5.3	4.7	5.0
17	3.2	2.9	3.1	4.3	3.8	4.1	3.8	3.3	3.4	4.8	4.0	4.3
18	3.4	3.0	3.2	4.3	3.9	4.1	3.6	3.2	3.4	4.5	4.0	4.2
19	4.1	3.3	3.5	4.2	3.9	4.0	3.4	3.2	3.3	4.5	3.7	4.0
20	---	---	---	4.0	3.7	3.9	3.7	3.3	3.5	3.8	3.2	3.5
21	---	---	---	3.9	3.5	3.7	3.8	3.4	3.6	3.3	2.9	3.1
22	3.8	3.5	3.6	3.6	3.4	3.5	3.7	3.2	3.4	3.1	2.7	2.9
23	3.8	3.5	3.6	3.9	3.4	3.6	3.3	3.1	3.2	3.0	2.7	2.8
24	3.8	3.4	3.7	4.2	3.6	3.9	---	---	---	3.0	2.6	2.8
25	3.9	3.6	3.8	4.1	3.8	4.0	---	---	---	3.2	2.8	3.0
26	4.0	3.6	3.8	4.2	3.6	3.8	3.9	3.4	3.6	3.1	2.8	3.0
27	4.0	3.7	3.8	---	---	---	4.5	3.4	3.9	2.8	2.7	2.7
28	3.8	3.4	3.6	---	---	---	4.0	3.5	3.7	3.0	2.6	2.8
29	3.6	3.2	3.4	---	---	---	3.7	3.1	3.4	3.0	2.7	2.8
30	3.3	3.1	3.3	3.9	3.5	3.6	3.2	2.8	3.0	3.0	2.7	2.8
31	---	---	---	4.4	3.9	4.2	3.5	2.8	3.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	6.2	2.6	3.8