

WACCAMAW RIVER BASIN

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. Dissolved oxygen records rated fair except for Apr. 24 to June 25, which are good, and Nov. 21 to Dec. 5, and June 25 to July 9, which are poor. Dissolved oxygen concentrations are not corrected for salinity.

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; 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, 29.8°C, July 9; minimum, 4.5°C, Jan. 28.

DISSOLVED OXYGEN: Maximum, 9.8 mg/L, Jan. 27-30; minimum, 0.9 mg/L, Apr. 24, 25.

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.6	26.0	26.3	19.4	18.7	19.0	10.7	10.2	10.5	9.9	9.0	9.5
2	26.6	25.8	26.1	18.7	17.9	18.2	10.2	9.8	10.0	10.2	9.8	10.0
3	26.7	25.9	26.2	17.9	17.1	17.4	10.1	9.7	9.9	10.5	10.1	10.3
4	26.8	26.2	26.4	17.1	16.7	16.8	9.9	9.2	9.5	10.2	9.7	10.0
5	26.9	26.3	26.6	16.7	16.3	16.4	9.2	8.7	8.9	9.7	9.2	9.4
6	27.1	26.6	26.8	17.2	16.5	16.8	8.7	8.3	8.5	9.6	9.0	9.2
7	27.2	26.6	26.9	16.6	16.0	16.2	8.3	7.9	8.1	9.1	8.6	8.9
8	27.0	26.2	26.6	16.1	15.5	15.8	8.1	7.7	7.9	8.8	8.2	8.6
9	26.2	25.6	25.9	16.2	15.5	15.8	7.9	7.7	7.8	9.2	8.4	8.8
10	25.8	25.1	25.5	16.4	15.9	16.1	7.8	7.6	7.7	9.7	9.0	9.3
11	25.5	24.8	25.2	17.1	16.3	16.7	7.8	7.6	7.7	9.6	9.0	9.2
12	25.1	24.3	24.7	17.6	16.8	17.1	8.4	7.6	7.9	9.1	8.5	8.8
13	24.8	24.2	24.5	17.8	16.8	17.2	9.2	8.0	8.4	8.7	8.3	8.4
14	24.5	23.5	24.1	16.8	15.9	16.4	9.2	8.8	9.0	8.6	8.0	8.2
15	23.6	22.0	22.8	15.9	15.5	15.7	9.0	8.5	8.8	8.9	7.8	8.2
16	22.3	21.4	21.9	16.0	15.7	15.8	9.2	8.4	8.7	8.1	7.6	7.8
17	21.4	20.9	21.1	16.0	15.6	15.8	9.0	8.5	8.7	8.0	7.7	7.9
18	21.0	20.3	20.5	15.6	14.7	15.2	8.9	8.7	8.8	7.7	7.2	7.4
19	20.3	19.5	19.8	14.7	14.0	14.3	9.3	8.9	9.0	7.2	6.4	6.7
20	19.8	19.3	19.6	14.1	13.9	14.0	10.4	9.3	9.9	6.6	5.9	6.3
21	20.0	19.4	19.6	14.1	13.8	13.9	10.4	9.9	10.2	7.1	6.3	6.7
22	19.5	19.1	19.3	14.2	13.5	13.9	10.3	9.8	10.0	7.1	6.7	6.9
23	19.4	19.1	19.3	13.5	12.9	13.2	10.4	9.9	10.1	6.7	5.9	6.5
24	19.2	18.9	19.1	13.0	12.6	12.7	10.1	10.0	10.1	5.9	5.1	5.4
25	19.1	18.8	18.9	12.9	12.4	12.5	10.2	9.7	10.1	5.3	4.6	4.9
26	19.2	18.8	19.0	12.9	12.3	12.5	9.8	9.4	9.6	5.4	4.8	5.0
27	19.6	18.9	19.2	12.9	12.4	12.5	9.5	8.8	9.2	5.4	4.8	5.0
28	20.0	19.3	19.6	12.4	11.6	12.1	8.8	8.3	8.6	5.3	4.5	4.9
29	20.1	19.8	19.9	11.6	10.9	11.3	8.6	8.0	8.2	6.1	4.8	5.2
30	20.1	19.8	20.0	10.9	10.6	10.7	8.5	8.0	8.3	6.2	5.6	5.8
31	20.0	19.3	19.6	---	---	---	9.0	8.4	8.6	6.5	6.1	6.3
MONTH	27.2	18.8	22.6	19.4	10.6	15.1	10.7	7.6	9.0	10.5	4.5	7.6

WACCAMAW RIVER BASIN

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

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	3.5	2.8	3.1	4.2	4.0	4.1	7.7	7.3	7.4	---	---	---
2	3.4	2.7	2.9	4.5	4.2	4.3	7.7	7.4	7.5	---	---	---
3	3.3	2.6	2.9	4.8	4.5	4.6	7.7	7.3	7.5	---	---	---
4	3.2	2.5	2.7	4.9	4.7	4.8	8.0	7.4	7.7	---	---	---
5	2.9	2.5	2.7	5.2	4.8	5.0	8.1	7.7	7.9	---	---	---
6	3.3	2.6	3.0	5.8	5.2	5.6	---	---	---	---	---	---
7	3.4	2.8	3.0	5.9	5.6	5.7	---	---	---	---	---	---
8	3.5	2.9	3.2	5.7	5.6	5.7	---	---	---	---	---	---
9	3.7	3.0	3.2	5.7	5.5	5.5	---	---	---	---	---	---
10	3.6	2.9	3.2	5.5	5.4	5.4	---	---	---	---	---	---
11	4.2	3.2	3.5	5.6	5.3	5.4	---	---	---	---	---	---
12	3.8	3.3	3.5	5.5	5.2	5.3	---	---	---	---	---	---
13	---	---	---	5.5	5.2	5.3	---	---	---	---	---	---
14	---	---	---	5.2	5.0	5.1	---	---	---	---	---	---
15	4.5	2.9	3.7	5.3	5.1	5.2	---	---	---	---	---	---
16	4.0	3.3	3.6	5.4	5.2	5.3	---	---	---	---	---	---
17	3.7	3.3	3.5	5.5	5.2	5.3	---	---	---	9.4	8.8	9.2
18	3.3	2.9	3.0	5.5	5.2	5.4	---	---	---	8.9	8.5	8.6
19	3.1	2.9	3.0	5.6	5.4	5.5	---	---	---	9.0	8.6	8.8
20	3.3	3.0	3.1	5.6	5.5	5.6	---	---	---	9.2	8.9	9.1
21	3.7	3.1	3.3	6.0	5.5	5.8	---	---	---	9.3	9.1	9.2
22	3.8	3.5	3.6	6.0	5.5	5.9	---	---	---	9.3	9.1	9.2
23	3.8	3.5	3.7	6.3	5.8	6.0	---	---	---	9.3	9.1	9.2
24	4.2	3.7	3.9	6.3	6.0	6.2	---	---	---	9.5	9.3	9.4
25	4.2	4.0	4.1	6.5	6.0	6.3	---	---	---	9.6	9.4	9.5
26	4.2	4.1	4.2	6.6	6.3	6.4	---	---	---	9.6	9.5	9.5
27	4.2	4.0	4.1	6.6	6.3	6.4	---	---	---	9.8	9.6	9.7
28	4.1	3.8	3.9	6.8	6.3	6.6	---	---	---	9.8	9.7	9.7
29	3.9	3.7	3.8	7.0	6.5	6.7	---	---	---	9.8	9.7	9.8
30	4.0	3.6	3.8	7.5	6.9	7.2	---	---	---	9.8	9.6	9.7
31	4.2	3.9	4.0	---	---	---	---	---	---	9.7	9.5	9.6
MONTH	---	---	---	7.5	4.0	5.6	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.6	9.5	9.6	7.7	7.6	7.6	3.1	2.8	2.9	1.6	1.5	1.6
2	9.6	9.4	9.5	7.7	7.4	7.6	3.1	2.7	2.9	1.9	1.5	1.6
3	9.6	9.4	9.5	7.5	7.2	7.3	2.8	2.6	2.7	2.1	1.6	1.8
4	9.5	9.3	9.4	7.3	7.1	7.2	2.9	2.7	2.8	2.2	1.8	2.1
5	9.3	9.1	9.2	7.2	6.8	7.0	3.0	2.7	2.8	2.3	2.0	2.2
6	9.2	8.9	9.1	6.9	6.6	6.8	3.0	2.7	2.8	2.7	2.1	2.3
7	9.1	8.8	8.9	6.7	6.5	6.6	3.4	2.8	3.1	2.7	2.5	2.6
8	8.9	8.7	8.8	6.8	6.5	6.6	3.8	3.3	3.5	2.8	2.3	2.5
9	8.8	8.6	8.7	6.7	6.5	6.6	4.9	3.8	4.4	2.7	2.2	2.5
10	9.0	8.6	8.8	6.6	6.4	6.5	5.3	4.9	5.1	3.2	2.4	2.7
11	8.8	8.6	8.7	6.5	6.3	6.4	5.1	4.8	4.9	3.4	2.7	3.0
12	8.9	8.6	8.7	6.4	6.2	6.3	5.0	4.7	4.9	3.4	3.0	3.2
13	---	---	---	6.2	6.0	6.1	4.9	4.2	4.6	3.4	2.9	3.1
14	---	---	---	6.1	5.8	6.0	4.7	4.2	4.5	3.3	2.9	3.1
15	---	---	---	6.5	5.9	6.2	4.5	3.9	4.2	3.8	3.0	3.4
16	---	---	---	6.7	6.1	6.3	4.1	3.7	4.0	4.1	3.0	3.4
17	---	---	---	6.1	5.5	5.7	3.9	3.5	3.7	4.5	3.4	3.8
18	---	---	---	5.6	5.1	5.3	3.6	3.2	3.4	5.0	4.2	4.5
19	8.8	8.7	8.8	5.3	4.9	5.1	3.8	3.2	3.5	5.2	4.6	4.9
20	8.8	8.6	8.7	5.4	4.8	5.1	3.8	3.4	3.6	5.1	3.9	4.4
21	8.7	8.4	8.6	5.2	4.5	4.9	3.5	3.0	3.3	4.2	3.0	3.5
22	8.5	8.2	8.4	4.7	4.0	4.3	3.0	2.1	2.7	3.4	2.9	3.0
23	8.4	8.1	8.3	4.0	3.6	3.8	2.2	1.1	1.6	3.8	3.2	3.7
24	8.1	7.9	8.0	3.6	3.4	3.5	1.1	0.9	1.0	4.1	3.6	3.8
25	7.9	7.6	7.7	3.5	3.3	3.4	2.1	0.9	1.3	4.3	3.7	4.0
26	7.7	7.5	7.6	3.4	3.2	3.3	1.5	1.2	1.4	4.3	3.6	3.9
27	7.7	7.5	7.6	3.3	3.1	3.2	1.6	1.0	1.3	3.9	3.5	3.7
28	7.8	7.5	7.7	3.1	3.0	3.1	1.4	1.2	1.3	3.7	3.3	3.5
29	---	---	---	3.0	2.8	2.9	1.5	1.2	1.4	4.0	3.3	3.6
30	---	---	---	2.9	2.7	2.8	1.6	1.2	1.5	3.9	3.6	3.7
31	---	---	---	2.9	2.8	2.8	---	---	---	4.3	3.6	3.8
MONTH	---	---	---	7.7	2.7	5.4	5.3	0.9	3.0	5.2	1.5	3.2

WACCAMAW RIVER BASIN

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

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.8	4.1	4.4	2.9	2.2	2.4	2.9	2.6	2.8	3.3	2.5	2.8
2	4.8	4.1	4.4	3.1	2.1	2.5	3.1	2.6	2.9	3.1	2.4	2.7
3	5.0	4.0	4.4	3.1	2.5	2.8	3.3	2.8	3.1	2.8	2.3	2.5
4	5.3	4.4	4.8	3.2	2.4	2.8	3.1	2.6	2.9	2.6	2.2	2.2
5	4.8	4.1	4.4	3.6	2.6	3.1	3.0	2.6	2.7	2.3	2.2	2.2
6	4.7	3.6	4.1	3.9	2.8	3.2	3.0	2.6	2.9	2.8	2.2	2.6
7	4.9	3.9	4.4	3.9	2.9	3.2	3.0	2.7	2.8	3.2	2.7	3.0
8	4.3	3.6	4.0	3.5	3.0	3.2	2.8	2.6	2.7	3.4	3.0	3.2
9	3.7	3.4	3.5	3.7	3.0	3.2	3.1	2.6	2.8	3.6	3.2	3.4
10	3.4	3.2	3.3	3.4	3.1	3.2	3.5	3.0	3.2	3.6	3.3	3.5
11	3.3	3.0	3.2	3.4	3.1	3.3	3.5	3.1	3.2	3.6	3.3	3.5
12	3.2	3.0	3.0	3.9	3.1	3.4	3.1	2.7	2.9	3.8	3.6	3.7
13	3.3	2.8	3.0	3.8	3.2	3.3	2.9	2.4	2.7	3.8	3.5	3.7
14	3.1	2.8	3.0	3.3	3.1	3.2	2.7	2.3	2.5	3.6	3.1	3.3
15	3.4	2.8	3.1	3.2	3.0	3.1	2.6	2.2	2.4	3.3	2.7	3.1
16	3.7	2.7	3.2	3.2	2.9	3.1	2.8	2.2	2.5	3.1	2.6	2.9
17	3.9	3.3	3.5	3.3	2.9	3.0	3.0	2.4	2.6	3.4	2.6	3.1
18	3.4	2.8	3.0	3.1	2.8	2.9	3.0	2.5	2.7	4.2	3.0	3.7
19	3.2	2.7	2.9	3.6	2.9	3.2	2.9	2.4	2.7	3.9	3.3	3.6
20	3.2	2.6	2.9	3.8	3.2	3.5	2.6	2.2	2.4	3.6	3.2	3.4
21	3.0	2.4	2.6	3.6	3.2	3.4	2.6	2.1	2.4	3.8	3.3	3.5
22	3.1	2.4	2.7	3.8	3.2	3.5	2.4	2.2	2.3	3.8	3.7	3.7
23	2.8	2.3	2.5	4.6	3.6	3.9	2.9	2.3	2.6	4.3	3.7	3.9
24	2.4	2.1	2.3	4.4	4.1	4.3	2.8	2.4	2.6	4.1	3.8	3.9
25	2.4	2.1	2.3	4.2	3.7	3.9	2.8	2.5	2.6	4.0	3.5	3.6
26	2.4	1.8	2.2	3.8	3.6	3.7	2.6	2.4	2.5	3.7	3.5	3.6
27	2.5	2.1	2.3	4.1	3.4	3.7	2.5	2.3	2.4	3.7	3.5	3.6
28	2.8	2.0	2.3	4.0	3.5	3.6	2.4	2.2	2.4	4.0	3.5	3.8
29	3.2	2.0	2.6	3.5	3.1	3.2	2.4	2.2	2.3	4.0	3.5	3.8
30	3.1	2.3	2.6	3.2	2.9	3.0	2.8	2.2	2.5	3.9	3.5	3.7
31	---	---	---	3.0	2.7	2.9	3.1	2.3	2.6	---	---	---
MONTH	5.3	1.8	3.2	4.6	2.1	3.2	3.5	2.1	2.7	4.3	2.2	3.3