021720696 WANDO RIVER AT CAINHOY, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1992 to 1995, 2004.

PERIOD OF DAILY RECORD.--

    SPECIFIC CONDUCTANCE (TOP): July 1992 to September 1995 (discontinued).

    SPECIFIC CONDUCTANCE (MIDDLE): March 2004 to September 2004.

    SPECIFIC CONDUCTANCE (BOTTOM): July 1992 to September 1995 (discontinued).

    SALINITY (TOP): July 1992 to September 1995 (discontinued).

    SALINITY (BOTTOM): July 1992 to September 1995 (discontinued).

    WATER TEMPERATURE (MIDDLE): March 2004 to September 2004.

    DISSOLVED OXYGEN (TOP): July 1992 to September 1995 (discontinued).

    DISSOLVED OXYGEN (MIDDLE): March 2004 to September 2004.

    DISSOLVED OXYGEN (BOTTOM): July 1992 to September 1995 (discontinued).

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

REMARKS.--Specific conductance (Middle) records rated excellent except for Mar. 18 to Apr. 16, June 16, July 2-4, 16-27, Sep.
    13-15, which are good, July 5, 6, which are fair, and July 7-9, which are poor. Temperature (Middle) records rated excellent.
    Dissolved oxygen (Middle) records rated excellent except for Mar. 18 to Apr. 19, July 15-19, Aug. 15, 16, which are good,
    July 20-22, Aug. 17-19, which are fair, and Aug. 20-27, which are poor. Prior to October 1, 2003 dissolved oxygen
    concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

    SPECIFIC CONDUCTANCE (TOP): Maximum, 38,500 microsiemens, Oct. 16, 1993; minimum, 5,280 microsiemens, Oct. 14, 1994.

    SPECIFIC CONDUCTANCE (MIDDLE): Maximum, 37,600 microsiemens, Aug. 11, 2004; minimum, 11,100 microsiemens, Aug. 31, 2004.

    SPECIFIC CONDUCTANCE (BOTTOM): Maximum, 37,800 microsiemens, Oct. 15, 1993; minimum, 17,300 microsiemens, Apr. 7, 1993.

    SALINITY (TOP): Maximum, 24.5 ppt, Oct. 16, 1993; minimum, 2.8 ppt, Oct. 14, 1994.

    SALINITY (BOTTOM): Maximum, 24.0 ppt, Oct. 15, 1993; minimum, 10.2 ppt, Apr. 7, 1993.

    WATER TEMPERATURE (MIDDLE): Maximum, 32.4°C, July 7, 2004; minimum, 15.2°C, Mar. 24, 2004.

    DISSOLVED OXYGEN (TOP): Maximum, 13.0 mg/L, Jan. 26, 1994; minimum, 2.3 mg/L, Aug. 27, 1992.

    DISSOLVED OXYGEN (MIDDLE): Maximum, 8.7 mg/L, Mar. 24, 25 2004; minimum, 2.9 mg/L, Sep. 2, 2004.

    DISSOLVED OXYGEN (BOTTOM): Maximum, 12.8 mg/L, Jan. 26, 1994; minimum, 2.3 mg/L, Aug. 5, 6, 1994.

EXTREMES FOR CURRENT YEAR.--

    SPECIFIC CONDUCTANCE (MIDDLE): Maximum, 37,600 microsiemens, Aug. 11; minimum, 11,100 microsiemens, Aug. 31.

    WATER TEMPERATURE (MIDDLE): Maximum, 32.4°C, July 7; minimum, 15.2°C, Mar. 24

    DISSOLVED OXYGEN (MIDDLE): Maximum, 8.7 mg/L, Mar. 24, 25; minimum, 2.9 mg/L, Sep. 2.

021720696 WANDO RIVER AT CAINHOY, 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	---	---	---	---	---	---	35300	34400	34800	---	---	---
2	---	---	---	---	---	---	35400	34400	34800	---	---	---
3	---	---	---	---	---	---	35900	34400	35100	---	---	---
4	---	---	---	---	---	---	36100	34500	35100	---	---	---
5	---	---	---	---	---	---	36300	34500	35300	---	---	---
6	---	---	---	---	---	---	36300	34600	35300	34300	31000	32600
7	---	---	---	---	---	---	35900	34300	35100	34200	31200	32600
8	---	---	---	---	---	---	35700	34400	34900	34200	31400	32700
9	---	---	---	---	---	---	35600	34200	34600	34000	31800	32800
10	---	---	---	---	---	---	35100	34000	34400	33900	32000	32900
11	---	---	---	---	---	---	34600	33800	34100	33800	32200	32900
12	---	---	---	---	---	---	34200	33000	33500	33700	32300	32900
13	---	---	---	---	---	---	33400	32200	32900	33500	32000	32800
14	---	---	---	---	---	---	32800	31800	32400	33600	32500	33000
15	---	---	---	---	---	---	32500	31700	32100	33700	32100	33000
16	---	---	---	---	---	---	---	---	---	33900	32400	33100
17	---	---	---	---	---	---	---	---	---	33800	32800	33200
18	---	---	---	---	---	---	---	---	---	33800	32500	33100
19	---	---	---	34600	32800	33800	---	---	---	33600	32800	33300
20	---	---	---	35200	33100	34100	---	---	---	33300	32400	33100
21	---	---	---	34900	33200	34000	---	---	---	---	---	---
22	---	---	---	35100	33400	34200	---	---	---	---	---	---
23	---	---	---	35100	33800	34400	---	---	---	---	---	---
24	---	---	---	35200	33900	34400	---	---	---	---	---	---
25	---	---	---	35000	34000	34500	---	---	---	---	---	---
26	---	---	---	34800	34200	34500	---	---	---	---	---	---
27	---	---	---	34900	34200	34500	---	---	---	---	---	---
28	---	---	---	34800	34300	34500	---	---	---	---	---	---
29	---	---	---	35100	34400	34700	---	---	---	---	---	---
30	---	---	---	35600	34500	34900	---	---	---	---	---	---
31	---	---	---	35600	34400	34900	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	37100	33500	35200	37000	34100	35600	19900	11200	15800
2	36600	34100	35300	36200	33300	35000	37100	34700	35700	20100	11900	16200
3	37200	35500	36000	37400	30800	33600	36700	33300	35300	20700	12800	16600
4	37400	35700	36300	37300	32700	34800	35900	33000	34500	20700	13500	16700
5	37400	35100	36400	36800	33100	34600	36300	33800	35100	22600	14300	17800
6	37300	36300	36800	36800	31900	34400	36700	35100	35900	27000	15100	20000
7	37300	35600	36600	36400	33200	34400	37300	35400	36200	24600	14600	20100
8	37400	36100	37000	35200	32500	33900	37000	35800	36400	23000	15100	19200
9	37400	36700	37100	35200	32800	33900	37000	36100	36500	22400	13900	18100
10	37200	36300	36900	34700	32800	33700	37400	36300	36800	22800	14100	18300
11	37000	35500	36500	35000	33300	34000	37600	36600	37000	24800	15300	19600
12	36700	35500	36100	35100	32900	34200	37300	35700	36800	26400	15300	20700
13	36700	35500	36100	35400	33500	34400	35800	33100	35000	27400	16100	21300
14	36300	35100	35700	35000	33000	34300	34600	27200	32800	27300	16400	21700
15	36300	35300	35700	35200	33600	34500	32400	23700	29300	26300	16500	21300
16	35900	34300	35000	35500	32500	34100	30200	22500	26900	26400	17000	21600
17	34900	34000	34400	36300	32800	35100	30200	21800	26400	27600	18000	22100
18	35000	33800	34500	36000	34600	35100	29800	22200	26300	25900	18200	21600
19	35000	33900	34600	36200	34100	35000	29300	22200	26000	26700	19000	22500
20	35100	34300	34800	36300	34200	35000	29100	22500	25800	28800	20400	24000
21	35400	34100	34800	35900	32400	34200	28800	22800	25700	29100	21200	24700
22	35400	33800	34700	35900	34400	35000	29500	22900	25900	28400	21700	24700
23	35400	33800	34800	36000	33900	35100	29800	23600	26400	28300	22200	24800
24	35100	34000	34600	35900	32600	34700	30400	23600	26700	29400	22600	25600
25	34800	34000	34500	35900	34300	35000	30700	24000	27000	30000	22900	26300
26	34800	33500	34600	36500	33600	35200	30800	23800	27000	30200	23400	26600
27	35200	34100	34700	36900	34700	35500	31900	23700	27600	29300	23600	26600
28	34900	33900	34600	37100	34500	35600	33200	24500	28400	27500	23700	25500
29	35200	33200	34300	36700	34400	35500	28900	16500	23900	27100	23700	25400
30	36400	34400	35300	36800	34500	35500	21100	11600	17200	27500	23700	25500
31	---	---	---	37100	34600	35700	20000	11100	16000	---	---	---
MONTH	---	---	---	37400	30800	34700	37600	11100	30100	30200	11200	21700

WANDO RIVER BASIN

021720696 WANDO RIVER AT CAINHOY, 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
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	17.9	17.1	17.5	23.6	23.1	23.3
2	---	---	---	---	---	---	17.5	16.6	17.1	23.5	23.0	23.3
3	---	---	---	---	---	---	17.4	16.4	16.8	23.6	22.6	23.2
4	---	---	---	---	---	---	17.5	16.6	17.0	23.0	22.1	22.4
5	---	---	---	---	---	---	17.3	16.3	16.8	22.8	21.7	22.3
6	---	---	---	---	---	---	17.5	16.4	16.9	23.7	22.1	22.8
7	---	---	---	---	---	---	18.3	16.7	17.3	25.0	22.9	23.7
8	---	---	---	---	---	---	18.8	17.6	18.0	26.0	23.7	24.6
9	---	---	---	---	---	---	19.8	18.0	18.6	26.5	24.5	25.2
10	---	---	---	---	---	---	20.6	18.6	19.3	26.3	25.0	25.4
11	---	---	---	---	---	---	21.6	19.5	20.3	26.3	25.2	25.6
12	---	---	---	---	---	---	21.7	20.3	20.9	26.4	25.5	25.9
13	---	---	---	---	---	---	21.7	20.8	21.2	26.6	25.8	26.2
14	---	---	---	---	---	---	21.3	19.3	20.0	26.8	26.0	26.4
15	---	---	---	---	---	---	19.5	18.6	19.2	27.1	26.3	26.7
16	---	---	---	---	---	---	19.8	18.7	19.2	27.1	26.5	26.8
17	---	---	---	---	---	---	20.3	19.1	19.6	27.3	26.5	26.9
18	---	---	---	---	---	---	20.8	19.7	20.2	27.5	26.6	27.0
19	---	---	---	17.6	16.3	17.0	21.5	20.3	20.8	27.6	26.7	27.1
20	---	---	---	17.8	16.4	17.1	---	---	---	27.8	26.8	27.3
21	---	---	---	18.5	16.8	17.5	---	---	---	28.1	26.9	27.5
22	---	---	---	17.5	16.2	16.8	---	---	---	28.2	27.2	27.6
23	---	---	---	16.4	15.4	15.9	---	---	---	28.0	27.2	27.6
24	---	---	---	16.1	15.2	15.6	---	---	---	28.4	27.1	27.6
25	---	---	---	16.7	15.5	16.0	---	---	---	28.7	27.4	27.9
26	---	---	---	17.6	16.2	16.7	---	---	---	28.8	27.8	28.1
27	---	---	---	18.4	16.9	17.4	---	---	---	28.7	28.0	28.2
28	---	---	---	18.4	17.6	18.0	---	---	---	28.6	27.9	28.2
29	---	---	---	18.4	17.6	17.9	---	---	---	---	---	---
30	---	---	---	18.0	17.6	17.8	---	---	---	---	---	---
31	---	---	---	18.2	17.5	17.9	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	29.4	28.7	29.0	30.2	29.6	29.9	27.5	26.7	27.0
2	28.7	27.6	28.0	29.3	28.6	28.9	30.3	29.4	29.8	27.7	26.9	27.2
3	28.6	27.9	28.2	29.5	28.1	28.9	30.9	29.3	29.9	27.8	26.7	27.1
4	28.2	27.2	27.7	30.3	28.7	29.4	31.7	29.9	30.5	28.2	26.9	27.3
5	28.2	26.8	27.4	30.9	29.3	29.9	32.1	30.5	31.0	27.6	27.2	27.4
6	28.9	27.4	27.9	31.8	30.0	30.6	31.2	30.0	30.7	27.3	26.6	27.0
7	29.5	27.8	28.3	32.4	30.6	31.2	30.0	29.1	29.5	26.9	26.4	26.7
8	29.5	28.3	28.7	32.2	31.0	31.3	29.3	28.5	29.0	27.1	26.6	26.9
9	29.8	28.6	29.0	31.7	31.0	31.3	29.0	28.5	28.8	27.7	26.8	27.2
10	29.7	28.9	29.2	31.4	31.0	31.2	28.8	28.3	28.6	27.6	27.4	27.5
11	29.7	29.1	29.4	31.5	30.9	31.2	28.7	28.3	28.5	27.6	27.0	27.3
12	29.8	29.1	29.4	31.3	30.8	31.1	28.6	28.1	28.4	27.0	26.6	26.8
13	29.4	27.9	28.9	31.3	30.6	30.9	28.2	27.1	27.7	26.6	26.2	26.4
14	28.5	27.8	28.2	31.4	30.6	30.9	27.4	26.0	27.1	26.2	25.8	25.9
15	28.3	27.7	28.1	31.4	30.6	31.0	27.1	26.2	26.7	25.8	25.4	25.6
16	28.0	27.7	27.9	31.1	30.3	30.7	27.4	26.2	26.8	26.6	25.4	26.0
17	28.2	27.7	27.9	31.0	30.4	30.6	27.4	26.7	27.1	27.3	26.2	26.6
18	28.9	27.7	28.2	30.5	29.8	30.1	28.2	27.0	27.5	27.2	26.1	26.5
19	29.5	28.3	28.8	30.3	29.2	29.7	29.0	27.7	28.2	26.5	25.4	26.0
20	29.8	28.9	29.3	30.4	29.4	30.0	29.8	28.4	28.9	25.5	24.4	24.8
21	29.5	28.8	29.1	30.6	29.7	30.1	29.9	28.9	29.2	24.4	23.5	24.0
22	29.9	28.7	29.2	31.1	30.0	30.4	29.7	28.9	29.3	24.5	23.5	24.0
23	29.9	29.0	29.4	31.4	30.3	30.7	29.3	29.0	29.1	24.6	23.8	24.2
24	29.9	29.0	29.4	31.1	30.6	30.8	29.5	28.6	29.0	24.5	24.1	24.3
25	30.3	29.3	29.6	30.8	30.3	30.5	29.2	28.7	29.0	24.6	24.0	24.3
26	30.0	29.4	29.7	31.0	30.2	30.6	29.1	28.3	28.7	24.3	24.1	24.2
27	30.2	29.4	29.7	31.2	30.6	30.9	28.5	27.9	28.3	25.1	24.2	24.5
28	29.9	29.4	29.7	31.3	30.7	31.0	28.1	27.6	27.9	25.8	24.6	25.1
29	30.0	29.3	29.7	30.9	30.1	30.6	27.7	25.0	26.3	26.2	25.0	25.5
30	30.1	28.8	29.5	30.8	30.0	30.3	26.2	24.4	25.4	26.1	25.5	25.7
31	---	---	---	30.6	29.9	30.2	27.1	25.8	26.4	---	---	---
MONTH	---	---	---	32.4	28.1	30.5	32.1	24.4	28.5	28.2	23.5	26.0

021720696 WANDO RIVER AT CAINHOY, 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
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	8.2	7.6	7.9	---	---	---
2	---	---	---	---	---	---	8.2	7.7	8.0	---	---	---
3	---	---	---	---	---	---	8.3	7.8	8.0	---	---	---
4	---	---	---	---	---	---	8.2	7.6	8.0	---	---	---
5	---	---	---	---	---	---	8.1	7.6	7.9	---	---	---
6	---	---	---	---	---	---	8.0	7.4	7.8	6.1	5.4	5.8
7	---	---	---	---	---	---	7.9	7.3	7.6	6.0	5.2	5.7
8	---	---	---	---	---	---	7.7	6.9	7.3	5.9	5.1	5.6
9	---	---	---	---	---	---	7.4	6.6	7.1	5.9	5.0	5.6
10	---	---	---	---	---	---	7.3	6.5	7.0	5.9	5.1	5.6
11	---	---	---	---	---	---	7.1	6.2	6.8	5.8	4.9	5.5
12	---	---	---	---	---	---	6.8	6.1	6.6	6.0	4.8	5.4
13	---	---	---	---	---	---	6.5	5.8	6.3	6.0	4.9	5.5
14	---	---	---	---	---	---	6.7	6.1	6.4	6.1	4.9	5.5
15	---	---	---	---	---	---	6.9	6.3	6.5	6.2	5.0	5.6
16	---	---	---	---	---	---	6.9	6.3	6.6	6.1	4.5	5.5
17	---	---	---	---	---	---	6.8	6.2	6.5	6.1	4.8	5.4
18	---	---	---	---	---	---	6.5	6.1	6.3	6.2	4.7	5.4
19	---	---	---	8.6	7.7	8.2	6.3	5.5	6.1	6.4	4.8	5.5
20	---	---	---	8.4	7.7	8.2	---	---	---	6.7	4.8	5.7
21	---	---	---	8.3	7.5	8.0	---	---	---	7.0	5.0	6.0
22	---	---	---	8.5	7.6	8.1	---	---	---	6.9	5.5	6.3
23	---	---	---	8.6	7.9	8.3	---	---	---	6.7	5.4	6.1
24	---	---	---	8.7	8.1	8.4	---	---	---	6.7	5.5	6.1
25	---	---	---	8.7	8.2	8.5	---	---	---	6.9	5.2	6.3
26	---	---	---	8.6	8.1	8.4	---	---	---	7.0	5.8	6.5
27	---	---	---	8.6	8.0	8.3	---	---	---	6.9	5.9	6.5
28	---	---	---	8.3	7.7	8.1	---	---	---	6.8	5.9	6.4
29	---	---	---	8.3	7.4	8.0	---	---	---	---	---	---
30	---	---	---	8.3	7.3	7.9	---	---	---	---	---	---
31	---	---	---	8.2	7.3	7.8	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	5.1	4.0	4.6	4.9	3.3	4.2	4.5	3.2	3.8
2	5.3	4.3	4.8	5.0	3.6	4.3	5.1	3.6	4.3	4.2	2.9	3.7
3	5.0	3.9	4.5	5.2	3.7	4.5	5.1	3.0	4.4	4.3	3.1	3.8
4	4.9	3.8	4.4	5.5	3.6	4.7	5.1	3.6	4.4	4.7	3.3	4.1
5	5.0	3.8	4.5	6.2	3.9	5.2	5.7	3.5	4.6	5.3	3.4	4.4
6	5.1	3.9	4.7	6.6	4.3	5.7	5.8	3.5	4.9	5.4	4.3	4.8
7	5.4	4.0	4.8	6.6	4.5	5.9	6.2	4.5	5.3	5.5	4.7	5.1
8	5.6	4.3	5.0	6.7	4.6	5.8	6.4	4.8	5.5	6.1	4.6	5.4
9	6.1	4.4	5.3	6.1	4.7	5.5	6.2	4.6	5.4	6.1	4.7	5.3
10	6.3	4.6	5.5	5.6	4.1	5.0	6.2	4.7	5.4	5.7	4.2	5.0
11	6.4	4.7	5.6	5.6	4.1	4.8	5.5	4.6	5.1	5.5	3.9	4.8
12	6.6	4.9	5.8	5.3	3.9	4.7	5.1	4.4	4.8	5.6	4.0	4.8
13	6.0	4.6	5.5	5.9	4.1	5.0	4.7	4.2	4.5	5.4	4.0	4.8
14	6.5	4.5	5.6	6.4	4.4	5.4	5.1	3.6	4.5	5.4	3.9	4.7
15	6.9	5.2	5.9	6.5	5.0	5.7	4.4	4.0	4.2	5.1	3.7	4.4
16	6.5	5.0	5.9	6.3	4.4	5.6	4.2	3.5	3.9	4.7	3.6	4.2
17	7.0	5.0	6.0	6.3	4.4	5.5	4.0	3.3	3.7	5.7	4.0	5.0
18	7.3	5.2	6.2	5.7	4.3	5.1	4.0	3.1	3.6	5.7	5.1	5.4
19	7.3	5.5	6.5	6.2	4.0	5.0	4.3	3.2	3.7	6.0	5.0	5.6
20	7.1	5.2	6.3	6.6	4.3	5.4	4.5	3.2	3.9	6.4	5.3	6.0
21	6.8	4.7	5.7	6.5	4.8	5.7	4.8	3.5	4.3	6.7	5.6	6.2
22	5.7	4.6	5.2	6.0	4.7	5.4	5.5	3.6	4.5	6.6	5.5	6.1
23	5.6	4.4	5.2	5.2	3.8	4.7	5.1	3.0	4.4	6.4	5.2	5.8
24	6.0	4.8	5.4	5.2	3.8	4.3	6.0	3.7	4.8	6.2	4.9	5.6
25	6.3	5.2	5.7	4.8	3.5	4.1	6.5	4.0	5.1	6.2	4.9	5.6
26	6.4	5.2	5.9	5.7	3.5	4.4	6.0	3.5	4.9	6.2	5.0	5.8
27	6.3	5.2	5.8	6.0	3.5	4.8	5.3	3.2	4.4	6.4	5.2	6.0
28	6.2	5.0	5.7	5.7	3.9	4.9	4.9	3.3	4.2	6.6	5.6	6.3
29	6.3	4.5	5.4	5.3	3.4	4.5	6.0	3.6	5.2	6.2	5.3	6.0
30	5.6	4.2	4.9	5.2	3.6	4.4	5.4	4.5	5.1	6.0	5.2	5.6
31	---	---	---	5.0	3.4	4.3	4.9	3.6	4.3	---	---	---
MONTH	---	---	---	6.7	3.4	5.0	6.5	3.0	4.6	6.7	2.9	5.1