

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1998 TO September 1999.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1998 to September 1999.

WATER TEMPERATURE: October 1998 to September 1999.

DISSOLVED OXYGEN: October 1998 to September 1999.

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

REMARKS.--Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 53,000 microsiemens, Aug. 31, 2000; minimum, 41,800 microsiemens Jul. 3, 5, 1999.

WATER TEMPERATURE: Maximum, 33.5°C, Aug. 1, 1999; minimum, 7.0°C, Jan. 29-Feb. 3, 2000.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Feb. 3, 2000; minimum, 2.4 mg/L, Aug. 29, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 53,000 microsiemens, Aug. 31; minimum, 44,800 microsiemens Mar. 20-22.

WATER TEMPERATURE: Maximum, 31.5°C, Jul. 20-22; minimum, 7.0°C, Jan. 29-Feb. 3.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Feb. 3; minimum, 4.2 mg/L, Jul. 30, Sep. 5.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), 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	50400	48400	49400	47400	46800	47100	47800	47000	47500	48300	47500	47900
2	50300	48200	49300	47300	46500	47000	47900	47200	47600	48400	47500	47900
3	50300	48400	49300	47200	46600	47000	48000	47200	47600	48400	47500	47900
4	50300	48000	49400	47300	46800	47100	48000	47300	47700	48400	47600	48000
5	50400	48000	49200	47300	47000	47200	48000	47300	47700	48400	47600	48000
6	49500	48000	48800	47300	47000	47200	48000	47400	47700	48600	47700	48100
7	50100	47800	48900	47300	47000	47200	48000	47300	47700	48600	47700	48100
8	49600	47800	48900	47300	47100	47200	48100	47400	47800	48600	47700	48100
9	49600	47900	48900	47300	47100	47200	48100	47400	47800	48700	47700	48100
10	49600	48100	49000	47300	47100	47300	48200	47500	47700	48500	47700	48100
11	49600	48200	49100	47500	47000	47300	---	---	---	48400	47700	48000
12	49400	48200	48800	47300	47000	47200	---	---	---	48500	47800	48100
13	49000	48000	48500	47400	47000	47200	---	---	---	48500	47800	48100
14	48900	48100	48500	---	---	---	---	---	---	48500	47900	48100
15	48800	48100	48500	47300	47200	47300	47800	47200	47500	48600	47900	48200
16	48800	47600	48200	47400	47200	47300	47800	47300	47500	48700	47900	48300
17	48400	46400	47300	47400	47200	47300	47900	47400	47600	48800	48000	48400
18	48100	46000	47300	47500	47200	47300	---	---	---	49100	48000	48500
19	48300	46200	47400	47500	47200	47400	---	---	---	49400	48000	48500
20	48200	46000	47400	47500	47200	47400	48000	46600	47300	48900	47700	48300
21	48000	45800	47100	47600	47200	47400	48000	46500	47200	49000	47900	48500
22	48000	45500	47000	47600	47200	47400	48100	46400	47200	49300	48000	48600
23	47900	45600	47000	47800	47100	47500	48200	46400	47200	49400	47900	48600
24	47900	45900	47100	47900	47100	47500	48200	46500	47300	49300	47800	48500
25	47800	46100	47100	47900	47100	47500	48300	46700	47400	49200	47600	48400
26	47700	46200	47100	47800	46800	47400	48200	46800	47500	48900	47800	48400
27	47600	46400	47100	47700	46900	47300	48200	47100	47600	49000	47900	48400
28	47600	46600	47200	47700	47000	47400	48200	47200	47700	48900	47900	48400
29	47600	46700	47200	47700	47000	47400	48200	47400	47700	49000	47500	48300
30	47500	46800	47200	47700	47100	47400	48200	47400	47800	48500	46900	47800
31	47400	46800	47200	---	---	---	48200	47500	47800	48300	47000	47700
MONTH	50400	45500	48100	47900	46500	47300	48300	46400	47600	49400	46900	48200



## BROAD RIVER BASIN

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC--Continued

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	25.0	24.5	25.0	20.0	20.0	20.0	17.0	15.0	16.0	11.5	11.0	11.0
2	25.0	24.5	24.5	20.5	20.0	20.0	15.5	14.5	15.0	12.0	11.5	11.5
3	25.0	24.5	25.0	20.0	18.5	19.0	15.0	14.0	14.5	12.5	11.5	12.0
4	25.0	24.5	25.0	18.5	18.0	18.5	15.0	14.0	14.5	13.0	12.0	12.5
5	24.5	24.0	24.5	18.0	17.5	18.0	15.0	14.5	14.5	13.5	12.5	13.0
6	24.0	23.5	24.0	18.0	17.5	18.0	15.0	15.0	15.0	13.0	12.5	12.5
7	23.5	23.0	23.5	18.0	17.5	18.0	15.0	14.5	14.5	12.5	12.5	12.5
8	23.5	23.0	23.0	18.5	17.5	18.0	14.5	14.0	14.5	12.5	12.5	12.5
9	23.5	23.0	23.5	18.5	18.0	18.5	14.5	14.0	14.5	13.0	12.5	12.5
10	24.5	23.5	24.0	19.0	18.5	18.5	15.0	14.5	14.5	13.5	12.5	13.0
11	24.5	24.0	24.0	19.5	18.5	19.0	15.0	14.5	15.0	13.5	13.0	13.0
12	24.5	24.0	24.5	19.0	18.5	19.0	15.0	15.0	15.0	13.5	13.0	13.5
13	24.0	24.0	24.0	19.0	18.5	18.5	15.5	15.0	15.5	14.0	13.5	13.5
14	24.5	24.0	24.0	19.0	18.5	19.0	16.0	15.5	16.0	13.5	13.0	13.0
15	24.0	24.0	24.0	19.0	18.5	18.5	16.0	15.5	16.0	13.0	12.5	12.5
16	24.0	23.5	23.5	18.5	18.0	18.5	16.0	15.5	15.5	12.5	12.0	12.5
17	23.5	23.0	23.0	18.0	17.0	17.5	15.5	14.5	15.0	12.5	12.0	12.5
18	23.5	22.5	23.0	17.5	16.5	17.0	15.0	14.0	14.5	12.5	12.0	12.5
19	23.0	23.0	23.0	17.0	16.5	17.0	14.5	14.0	14.0	12.0	12.0	12.0
20	23.5	23.0	23.0	17.5	17.0	17.0	14.0	14.0	14.0	12.0	12.0	12.0
21	23.0	22.0	22.5	17.5	17.0	17.5	14.0	14.0	14.0	12.0	11.0	11.5
22	22.0	21.5	22.0	17.5	17.0	17.5	14.0	13.5	14.0	11.0	10.5	10.5
23	21.5	21.0	21.5	18.0	17.5	17.5	14.0	13.5	13.5	10.5	10.5	10.5
24	21.0	20.0	20.5	18.5	18.0	18.0	13.5	13.0	13.5	10.5	10.0	10.5
25	20.0	19.0	19.5	19.0	18.5	18.5	13.0	12.0	12.5	10.0	9.5	9.5
26	19.5	19.0	19.5	19.5	18.5	19.0	12.5	11.5	12.0	9.5	9.0	9.0
27	19.5	19.0	19.5	19.0	19.0	19.0	11.5	11.0	11.5	9.0	8.5	8.5
28	20.0	19.5	19.5	19.0	18.5	18.5	11.5	11.0	11.0	8.5	8.0	8.5
29	20.0	19.5	19.5	18.5	18.5	18.5	11.0	10.5	11.0	8.0	7.0	7.5
30	20.0	19.5	19.5	18.5	16.5	17.5	11.0	10.5	11.0	7.5	7.0	7.5
31	20.0	19.5	20.0	---	---	---	11.0	11.0	11.0	7.5	7.0	7.0
MONTH	25.0	19.0	22.6	20.5	16.5	18.3	17.0	10.5	14.0	14.0	7.0	11.3
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.0	7.5	17.0	16.0	16.5	19.5	19.0	19.5	22.0	20.5	21.0
2	7.5	7.0	7.5	17.5	16.5	17.0	20.0	19.0	19.5	22.5	21.0	21.5
3	7.5	7.0	7.5	17.5	16.5	17.0	20.5	19.0	20.0	23.0	21.5	22.0
4	8.0	7.5	7.5	17.5	16.5	17.0	20.5	19.5	20.0	23.5	22.0	22.5
5	8.0	7.5	7.5	17.5	16.5	17.0	19.5	18.5	19.0	24.0	22.5	23.0
6	8.0	7.5	8.0	18.0	16.5	17.0	19.0	18.0	18.5	24.5	22.5	23.5
7	8.5	8.0	8.0	18.0	17.0	17.5	19.5	18.5	19.0	25.0	23.0	24.0
8	8.5	8.0	8.5	18.5	17.0	18.0	19.5	18.5	19.0	25.0	23.5	24.0
9	9.0	8.5	9.0	19.0	17.5	18.5	18.5	18.0	18.5	25.0	23.5	24.5
10	10.0	9.0	9.0	19.5	18.0	18.5	18.5	18.0	18.0	25.5	24.0	24.5
11	10.5	9.5	10.0	20.0	18.0	19.0	19.0	18.0	18.5	26.0	24.5	25.0
12	11.5	10.0	10.5	19.5	18.5	19.0	20.0	18.5	19.0	26.5	25.0	25.5
13	11.5	10.5	11.0	18.5	18.0	18.0	19.5	19.0	19.5	27.0	25.5	26.0
14	12.5	10.5	11.5	18.0	17.5	18.0	19.0	18.0	18.5	27.0	26.0	26.5
15	13.0	11.5	12.0	18.0	17.0	17.5	18.5	18.0	18.0	27.0	26.0	26.5
16	13.0	11.5	12.5	18.5	17.5	18.0	19.0	18.0	18.5	26.5	25.5	26.0
17	13.0	12.0	12.5	19.0	17.5	18.5	20.0	18.5	19.5	26.0	25.5	26.0
18	13.5	12.0	13.0	18.5	17.0	18.0	20.0	19.0	19.5	26.0	25.5	25.5
19	14.5	12.5	13.5	17.5	16.5	17.0	20.5	19.5	20.0	26.5	25.5	26.0
20	14.5	13.0	14.0	17.5	16.5	17.0	21.5	20.0	20.5	26.5	25.5	26.0
21	14.5	13.0	14.0	18.0	17.0	17.5	21.5	20.5	21.0	26.5	26.0	26.0
22	14.5	13.0	13.5	18.5	17.5	18.0	21.0	20.5	20.5	26.5	25.5	26.0
23	14.5	13.0	14.0	18.0	17.5	18.0	21.0	20.0	20.5	26.5	25.5	26.0
24	15.0	13.5	14.5	18.0	17.5	17.5	20.5	20.0	20.5	26.5	26.0	26.5
25	15.5	14.0	15.0	19.0	17.5	18.0	20.5	20.0	20.5	27.5	26.0	26.5
26	16.0	15.0	15.5	19.0	18.0	18.5	20.5	20.0	20.5	28.0	26.5	27.0
27	16.5	15.5	16.0	19.0	18.5	19.0	21.0	20.0	20.5	28.5	27.0	27.5
28	16.5	16.0	16.0	19.0	18.5	19.0	21.0	20.0	20.5	28.5	27.5	28.0
29	17.0	16.0	16.5	19.5	18.5	19.0	21.0	20.0	20.5	28.5	27.5	28.0
30	---	---	---	19.5	19.0	19.0	21.5	20.5	21.0	28.0	26.5	27.0
31	---	---	---	19.5	18.5	19.0	---	---	---	27.0	26.0	26.5
MONTH	17.0	7.0	11.6	20.0	16.0	18.0	21.5	18.0	19.6	28.5	20.5	25.3



## BROAD RIVER BASIN

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC--Continued

## OXYGEN DISSOLVED (MG/L), 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	6.4	5.3	5.9	7.9	7.3	7.6	9.0	8.4	8.8	10.1	9.6	9.9
2	6.7	5.6	6.3	8.0	7.3	7.6	9.2	8.5	8.9	10.0	9.6	9.9
3	7.0	6.0	6.5	8.1	7.5	7.8	9.2	8.7	9.0	10.0	9.5	9.8
4	6.9	5.9	6.4	8.1	7.4	7.8	9.2	8.5	8.9	10.0	9.5	9.8
5	6.9	6.0	6.3	8.0	7.2	7.7	9.2	8.3	8.8	10.2	9.5	9.9
6	7.3	5.9	6.5	8.0	7.4	7.7	9.1	8.2	8.6	10.3	9.9	10.1
7	7.4	6.0	6.6	8.4	7.5	7.9	9.1	8.2	8.8	10.4	9.8	10.1
8	7.6	6.0	6.8	8.5	7.6	8.0	9.4	8.4	9.0	10.4	9.9	10.1
9	7.7	6.2	6.9	8.6	7.7	8.2	9.5	8.8	9.2	10.5	9.8	10.2
10	7.5	6.3	6.9	8.7	7.8	8.3	9.4	8.9	9.2	10.4	9.7	10.1
11	7.2	6.2	6.8	9.0	7.8	8.5	9.4	8.8	9.2	10.4	9.7	10.0
12	6.8	6.0	6.5	8.9	8.3	8.6	9.5	8.9	9.3	10.4	9.7	10.1
13	6.4	5.7	6.2	9.3	8.1	8.7	9.5	9.0	9.3	10.4	9.8	10.1
14	6.3	5.4	6.0	9.4	8.4	9.0	9.7	9.1	9.3	---	---	---
15	6.6	5.5	6.1	9.7	8.6	9.2	9.5	8.9	9.3	10.5	9.9	10.3
16	7.0	6.1	6.6	9.7	8.7	9.3	9.4	8.8	9.1	10.5	10.0	10.3
17	7.1	6.4	6.9	9.7	8.7	9.2	9.4	8.9	9.2	10.6	10.0	10.3
18	7.1	6.5	6.8	9.8	8.6	9.2	9.4	9.0	9.2	10.4	9.8	10.1
19	7.3	6.4	6.8	9.6	8.2	9.0	---	---	---	10.3	9.0	9.8
20	6.9	5.9	6.6	9.3	8.2	8.7	---	---	---	10.0	9.0	9.6
21	7.3	6.1	6.6	9.1	7.8	8.4	8.6	8.2	8.4	10.3	9.0	9.6
22	7.5	6.3	6.8	8.8	7.7	8.2	8.5	8.0	8.3	10.2	9.1	9.7
23	7.5	6.2	6.9	8.6	7.5	8.1	8.4	7.9	8.2	10.1	8.9	9.6
24	7.7	6.7	7.2	8.3	7.4	7.9	---	---	---	10.1	9.0	9.7
25	7.8	7.0	7.4	8.1	7.3	7.8	---	---	---	10.6	9.4	9.9
26	7.8	7.0	7.4	8.0	7.4	7.8	9.6	8.9	9.3	10.8	9.7	10.2
27	7.9	7.1	7.5	8.0	7.4	7.8	9.7	9.2	9.5	11.0	9.9	10.5
28	8.0	7.3	7.7	8.1	7.5	7.8	9.9	9.5	9.7	11.4	10.0	10.7
29	8.3	7.7	7.9	8.2	7.4	7.9	10.0	9.4	9.8	11.6	10.6	11.1
30	8.2	7.7	7.9	8.7	7.7	8.3	10.0	9.7	9.9	11.7	10.7	11.2
31	8.1	7.4	7.8	---	---	---	10.0	9.6	9.9	11.9	10.6	11.3
MONTH	8.3	5.3	6.8	9.8	7.2	8.3	10.0	7.9	9.1	11.9	8.9	10.1
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.1	10.8	11.5	8.5	6.5	7.5	8.3	7.0	7.7	8.1	7.4	7.7
2	12.5	11.0	11.7	8.4	6.3	7.5	8.1	6.9	7.6	8.1	7.3	7.6
3	13.0	11.2	12.1	8.3	6.4	7.4	8.3	7.1	7.7	7.8	7.0	7.3
4	12.8	11.1	12.1	8.1	6.4	7.4	8.1	6.9	7.5	7.5	6.7	7.1
5	12.9	11.4	12.2	8.2	6.7	7.5	8.7	7.3	7.9	7.2	6.5	6.8
6	12.9	11.3	12.1	8.2	6.0	7.2	8.6	7.6	8.1	7.0	6.3	6.7
7	12.8	11.2	12.0	8.2	6.1	7.1	8.7	7.6	8.2	7.1	6.2	6.6
8	12.5	11.1	11.8	8.1	5.8	7.1	8.5	7.6	8.1	7.2	6.3	6.7
9	12.4	11.2	11.7	8.6	5.9	7.3	8.8	7.6	8.3	7.5	6.5	6.9
10	12.3	10.9	11.5	8.5	5.9	7.4	8.8	7.8	8.4	7.5	6.7	7.1
11	11.9	10.6	11.2	8.5	6.5	7.7	8.9	7.8	8.3	7.5	6.7	7.1
12	11.7	10.2	10.9	8.6	7.1	8.0	8.8	7.9	8.4	7.5	6.7	7.1
13	11.5	10.1	10.6	8.8	7.1	7.9	8.9	8.1	8.5	7.2	6.3	6.8
14	11.4	9.6	10.4	---	---	---	8.8	8.0	8.4	6.9	6.1	6.5
15	10.8	9.2	10.0	---	---	---	8.5	7.6	8.2	6.9	6.1	6.4
16	10.6	9.0	9.8	9.1	8.1	8.7	8.6	7.5	8.1	6.6	5.8	6.1
17	10.5	9.0	9.9	8.9	8.0	8.5	8.4	7.4	7.9	6.8	5.6	6.0
18	10.2	8.4	9.5	9.1	7.9	8.6	8.1	7.1	7.7	7.0	5.9	6.3
19	10.0	8.5	9.4	9.3	8.4	8.9	8.2	7.3	7.7	6.9	6.0	6.4
20	9.8	8.4	9.2	9.3	8.5	8.9	7.9	7.2	7.6	6.8	6.0	6.4
21	9.8	8.3	9.0	8.9	8.1	8.6	8.0	7.3	7.6	6.8	6.1	6.4
22	9.6	8.0	8.8	8.8	7.9	8.5	7.9	7.4	7.6	6.7	5.9	6.3
23	9.6	7.3	8.5	8.8	8.0	8.5	7.8	7.2	7.5	6.6	5.9	6.2
24	9.3	6.9	8.1	8.8	7.9	8.4	7.7	7.1	7.4	6.7	5.9	6.3
25	8.8	6.7	7.7	8.8	7.7	8.4	7.7	7.1	7.4	7.0	6.1	6.5
26	8.8	6.9	8.0	8.7	7.8	8.3	7.8	7.2	7.5	7.2	6.3	6.7
27	9.0	6.9	8.0	8.5	7.6	8.1	8.0	7.3	7.6	7.1	6.0	6.5
28	8.7	6.6	7.8	8.8	7.7	8.2	7.9	7.4	7.7	6.7	5.7	6.3
29	8.4	6.7	7.5	8.7	7.6	8.2	8.1	7.6	7.8	6.7	5.5	6.1
30	---	---	---	8.6	7.0	8.0	8.2	7.6	7.8	6.7	5.6	6.1
31	---	---	---	8.3	7.0	7.8	---	---	---	6.9	5.8	6.2
MONTH	13.0	6.6	10.1	9.3	5.8	8.0	8.9	6.9	7.9	8.1	5.5	6.6

