

02176640 BEAUFORT RIVER AT PARRIS ISLAND, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1998 to current year.

WATER TEMPERATURE: October 1998 to current year.

DISSOLVED OXYGEN: October 1998 to current year.

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

REMARKS.--Specific conductance records rated excellent except for Oct. 4-7, 13, 14, Feb. 20 to Mar. 3, Apr. 19-22, June 14-23, which are good. Temperature records rated excellent. Dissolved oxygen records rated fair except for June 9-23, which are poor. Prior to October 1, 2003 dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 54,600 microsiemens, June 17, 19-21, 2002; minimum, 38,000 microsiemens, May 19, 2003.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 1, 2, 1999; minimum, 5.5°C, Jan. 3-7, 2001.

DISSOLVED OXYGEN: Maximum, 13.4 mg/L, Jan. 7, 2001; minimum, 3.3 mg/L, Aug. 29, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 52,400 microsiemens, June 13; minimum, 43,700 microsiemens, Feb. 26, 27, Mar. 2.

WATER TEMPERATURE: Maximum, 29.8°C, June 30, July 4; minimum, 8.2°C, Feb. 2.

DISSOLVED OXYGEN: Maximum, 9.9 mg/L, Jan. 31, Feb. 3, 4; minimum, 3.7 mg/L, July 3.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	47900	44700	46500	47700	45500	46400	47700	46900	47300	---	---	---
2	48300	45400	46800	47800	45500	46500	47700	46700	47200	---	---	---
3	47600	44500	46300	47700	45400	46600	47600	46800	47200	48100	47200	47600
4	47600	44800	46400	48000	45500	46700	48200	46400	47200	48100	47200	47600
5	46900	44100	45800	48000	45600	46800	47700	46200	47000	48000	47200	47600
6	46700	44000	45400	48000	45600	46800	47600	46300	47000	---	---	---
7	47700	44000	46200	48000	45700	46900	47700	46400	47100	---	---	---
8	47900	45500	46800	48400	45800	47100	47800	46500	47100	---	---	---
9	48400	45800	47100	48800	46000	47200	48000	46500	47100	---	---	---
10	48400	45900	47200	48600	45900	47200	48100	46600	47100	---	---	---
11	48200	45800	47000	48300	45800	47100	47500	46400	47000	---	---	---
12	47200	45000	46100	48000	46000	46900	47600	46600	47100	---	---	---
13	47100	45000	46100	47700	46000	46800	48000	46500	47200	---	---	---
14	---	---	---	48100	46500	47200	48200	46500	47100	---	---	---
15	---	---	---	48200	46600	47300	47700	46500	47000	---	---	---
16	---	---	---	48200	46700	47300	---	---	---	---	---	---
17	---	---	---	48100	46700	47300	47600	46400	47000	---	---	---
18	---	---	---	48100	46000	47100	47600	46500	47100	49100	48000	48500
19	---	---	---	47500	45800	46700	47600	46600	47100	---	---	---
20	---	---	---	47500	45800	46800	47600	46800	47300	---	---	---
21	---	---	---	47900	46200	47000	48200	46900	47400	---	---	---
22	48000	46100	47100	48100	46100	47000	48300	47000	47500	---	---	---
23	48500	46300	47400	48400	46000	46900	---	---	---	---	---	---
24	48700	46400	47500	48500	46200	47100	---	---	---	48900	48100	48400
25	48900	46400	47500	48600	46200	47200	---	---	---	49200	48200	48500
26	48900	46400	47500	48900	46500	47300	---	---	---	---	---	---
27	48600	46400	47400	48800	46400	47300	---	---	---	---	---	---
28	48500	46300	47300	48500	46300	47200	---	---	---	48800	47900	48300
29	47700	45500	46500	47600	46600	47000	---	---	---	48900	47700	48300
30	47500	45300	46300	47800	46800	47200	47900	47100	47400	48400	47700	48100
31	47600	45500	46400	---	---	---	47900	47100	47500	48500	47800	48200
MONTH	---	---	---	48900	45400	47000	---	---	---	---	---	---



02176640 BEAUFORT RIVER AT PARRIS ISLAND, SC--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.6	23.7	24.3	21.8	21.4	21.6	15.9	15.4	15.6	---	---	---			
2	24.3	23.6	24.1	21.7	21.4	21.5	15.5	14.8	15.1	---	---	---			
3	23.8	22.7	23.4	21.7	21.4	21.5	14.9	14.2	14.6	11.3	10.7	11.0			
4	23.4	22.9	23.2	22.1	21.5	21.8	14.3	13.6	14.0	11.8	11.0	11.4			
5	23.7	23.2	23.4	22.8	22.0	22.3	13.8	13.3	13.6	12.4	11.6	12.0			
6	23.7	23.3	23.5	23.1	22.4	22.7	13.3	12.9	13.1	---	---	---			
7	23.6	23.3	23.5	23.5	22.8	23.1	12.9	12.5	12.7	---	---	---			
8	23.6	23.2	23.4	23.5	22.8	23.2	12.6	12.2	12.5	---	---	---			
9	23.6	23.2	23.4	22.9	21.2	22.2	12.6	12.2	12.4	---	---	---			
10	23.6	23.3	23.4	21.3	20.0	20.6	12.8	12.2	12.6	---	---	---			
11	23.5	23.3	23.4	20.2	19.4	19.9	12.6	12.3	12.4	---	---	---			
12	23.5	23.1	23.3	20.2	19.8	20.0	12.4	12.0	12.2	---	---	---			
13	23.6	23.2	23.4	20.2	19.5	20.0	12.3	12.0	12.1	---	---	---			
14	24.0	23.5	23.7	19.6	18.9	19.2	12.2	11.8	12.0	---	---	---			
15	---	---	---	19.1	18.7	18.8	11.9	11.5	11.7	---	---	---			
16	---	---	---	19.1	18.7	18.9	---	---	---	---	---	---			
17	---	---	---	19.4	18.9	19.1	11.8	11.6	11.7	---	---	---			
18	---	---	---	19.8	19.2	19.4	11.7	11.0	11.3	10.9	9.9	10.4			
19	---	---	---	19.8	19.5	19.7	11.2	10.6	10.9	---	---	---			
20	22.7	22.3	22.5	19.7	19.1	19.3	10.7	10.0	10.4	---	---	---			
21	22.7	22.3	22.5	19.3	18.7	19.0	10.2	9.5	9.8	---	---	---			
22	22.5	22.2	22.3	19.1	18.6	18.9	9.7	9.1	9.5	---	---	---			
23	22.2	21.5	21.7	19.0	18.6	18.8	---	---	---	---	---	---			
24	21.7	21.2	21.4	19.1	18.7	18.9	---	---	---	10.1	9.6	9.8			
25	21.4	21.0	21.2	18.9	18.2	18.4	---	---	---	10.0	9.8	9.9			
26	21.8	21.0	21.4	18.2	17.9	18.1	---	---	---	---	---	---			
27	22.0	21.4	21.7	18.4	17.9	18.1	---	---	---	---	---	---			
28	22.0	21.6	21.8	18.6	17.9	18.3	---	---	---	9.4	8.9	9.0			
29	21.9	21.4	21.6	17.9	16.2	17.1	---	---	---	8.9	8.7	8.8			
30	21.8	21.5	21.6	16.4	15.9	16.1	10.8	10.3	10.6	8.8	8.6	8.7			
31	21.8	21.3	21.6	---	---	---	10.9	10.4	10.6	8.9	8.4	8.7			
MONTH	---	---	---	23.5	15.9	19.9	---	---	---	---	---	---			

DAY	MAX	MIN	MEAN	FEBRUARY			MARCH			APRIL			MAY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.8	8.4	8.5	10.6	10.0	10.2	17.9	16.6	17.2	---	---	---			
2	8.4	8.2	8.3	11.4	10.4	10.8	17.4	16.2	16.7	---	---	---			
3	8.8	8.3	8.5	12.2	10.9	11.5	16.9	16.0	16.5	---	---	---			
4	9.0	8.5	8.7	12.8	11.5	12.1	17.0	16.2	16.6	---	---	---			
5	9.1	8.7	8.9	13.7	12.0	12.8	16.9	16.0	16.4	---	---	---			
6	10.1	9.1	9.5	14.5	12.8	13.7	17.0	16.2	16.5	---	---	---			
7	10.8	10.0	10.3	15.2	13.1	14.2	17.6	16.5	16.9	---	---	---			
8	10.3	9.4	10.0	15.0	13.4	14.2	17.9	16.8	17.3	---	---	---			
9	10.4	9.5	9.8	14.5	13.1	13.8	18.5	17.2	17.7	---	---	---			
10	10.2	9.6	9.9	14.1	13.0	13.5	19.2	17.6	18.3	---	---	---			
11	10.4	9.7	10.1	14.1	12.9	13.4	20.0	18.3	19.1	---	---	---			
12	10.3	9.8	10.1	14.2	13.0	13.6	20.6	19.0	19.8	---	---	---			
13	10.5	9.7	10.1	14.3	13.3	13.8	20.6	19.4	20.1	---	---	---			
14	10.4	9.9	10.2	14.8	13.4	14.1	20.3	18.2	19.1	---	---	---			
15	10.6	9.8	10.2	15.5	13.9	14.7	19.0	17.6	18.3	---	---	---			
16	10.5	9.9	10.2	16.1	14.5	15.3	19.0	17.8	18.4	---	---	---			
17	10.2	9.5	9.8	16.1	14.8	15.5	19.2	18.2	18.7	---	---	---			
18	9.6	8.9	9.3	16.2	14.9	15.6	19.7	18.7	19.2	---	---	---			
19	9.7	8.9	9.4	16.6	15.2	16.0	20.3	19.2	19.7	---	---	---			
20	10.1	9.2	9.7	17.1	15.8	16.4	20.7	19.6	20.1	26.6	25.7	26.1			
21	11.1	9.9	10.4	17.6	16.1	16.8	21.2	20.0	20.5	26.8	26.0	26.3			
22	11.4	10.4	10.9	17.0	15.9	16.4	21.6	20.5	21.0	27.1	26.2	26.5			
23	11.6	10.7	11.2	16.2	15.3	15.8	22.3	21.0	21.6	27.2	26.4	26.8			
24	11.9	11.0	11.5	16.2	15.2	15.7	22.8	21.6	22.1	27.5	26.6	27.0			
25	11.9	11.0	11.5	16.5	15.3	15.9	23.2	22.1	22.6	27.8	26.8	27.2			
26	11.1	10.4	10.8	17.0	15.7	16.3	23.4	22.4	22.9	27.9	27.0	27.4			
27	10.4	9.8	10.2	17.7	16.1	16.9	23.2	22.7	22.9	28.0	27.2	27.5			
28	10.0	9.5	9.7	18.1	16.7	17.4	22.8	22.3	22.6	27.9	27.2	27.6			
29	10.2	9.6	9.8	18.2	17.0	17.6	22.8	22.1	22.4	28.0	27.4	27.7			
30	---	---	---	18.1	17.1	17.7	23.0	22.2	22.6	28.3	27.4	27.8			
31	---	---	---	18.0	17.0	17.6	---	---	---	28.3	27.6	27.9			
MONTH	11.9	8.2	9.9	18.2	10.0	14.8	23.4	16.0	19.5	---	---	---			



02176640 BEAUFORT RIVER AT PARRIS ISLAND, 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
1	6.6	5.3	6.0	5.6	4.8	5.2	7.5	6.4	7.0	---	---	---
2	6.9	5.7	6.3	5.7	4.9	5.3	8.1	6.5	7.4	---	---	---
3	7.1	5.7	6.5	5.7	5.0	5.4	8.1	7.3	7.8	9.5	8.5	8.8
4	6.8	5.2	6.3	6.0	5.0	5.6	8.2	7.5	7.9	9.5	8.4	8.7
5	6.5	4.9	6.0	5.9	5.0	5.5	8.1	7.5	7.9	9.2	8.4	8.8
6	6.3	4.5	5.6	5.9	4.9	5.5	8.3	7.4	7.9	---	---	---
7	5.9	4.4	5.4	5.8	4.7	5.3	8.3	7.5	7.9	---	---	---
8	5.7	4.6	5.3	5.6	4.6	5.2	8.2	7.4	7.9	---	---	---
9	5.7	4.3	5.2	6.1	4.6	5.6	8.2	7.5	8.0	---	---	---
10	5.6	4.1	5.1	6.3	5.5	6.0	8.3	7.8	8.0	---	---	---
11	5.5	4.4	5.0	6.4	5.6	6.2	8.3	7.7	8.1	---	---	---
12	5.4	4.1	4.9	6.9	5.7	6.2	8.6	7.6	8.1	---	---	---
13	5.4	4.2	5.0	6.7	5.4	6.2	8.5	7.7	8.2	---	---	---
14	---	---	---	6.8	5.8	6.5	8.3	7.8	8.2	---	---	---
15	---	---	---	6.8	6.0	6.5	8.5	7.8	8.2	---	---	---
16	---	---	---	6.9	6.0	6.5	---	---	---	---	---	---
17	---	---	---	7.1	6.0	6.7	8.9	8.4	8.7	---	---	---
18	---	---	---	7.2	6.2	6.8	8.9	8.4	8.7	9.4	8.9	9.2
19	---	---	---	7.0	6.0	6.6	9.3	8.6	8.9	---	---	---
20	---	---	---	7.0	5.8	6.6	9.3	8.8	9.1	---	---	---
21	---	---	---	6.8	5.8	6.5	9.4	9.0	9.2	---	---	---
22	6.4	5.1	5.7	6.7	5.7	6.4	9.5	8.9	9.3	---	---	---
23	6.4	5.1	5.9	6.6	5.7	6.2	---	---	---	---	---	---
24	6.3	5.2	5.8	6.5	5.5	6.1	---	---	---	9.3	8.9	9.2
25	6.0	5.1	5.7	6.5	5.6	6.1	---	---	---	9.3	9.0	9.2
26	5.8	4.8	5.5	6.5	5.6	6.2	---	---	---	---	---	---
27	5.6	4.7	5.3	6.5	5.7	6.2	---	---	---	---	---	---
28	5.4	4.6	5.1	7.1	5.8	6.5	---	---	---	9.5	9.1	9.3
29	5.5	4.3	5.1	7.6	6.4	7.0	---	---	---	9.7	9.2	9.4
30	5.5	4.7	5.2	7.7	6.5	7.1	8.8	8.3	8.6	9.8	9.1	9.5
31	5.6	4.9	5.3	---	---	---	8.9	8.5	8.7	9.9	9.3	9.6
MONTH	---	---	---	7.7	4.6	6.1	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.8	9.5	9.7	9.0	7.1	8.2	7.7	6.9	7.4	---	---	---
2	9.8	9.4	9.7	9.2	7.8	8.4	7.8	7.1	7.5	---	---	---
3	9.9	9.4	9.7	9.1	7.7	8.7	7.8	7.1	7.5	---	---	---
4	9.9	9.2	9.7	9.0	8.5	8.8	7.8	7.0	7.5	---	---	---
5	9.8	9.4	9.7	8.9	8.3	8.7	7.7	7.2	7.5	---	---	---
6	9.7	9.3	9.6	8.7	8.1	8.4	7.8	7.1	7.5	---	---	---
7	9.6	9.1	9.4	8.4	7.9	8.2	7.7	7.0	7.5	---	---	---
8	9.6	9.2	9.4	8.5	7.6	8.1	7.6	7.1	7.4	---	---	---
9	9.6	9.1	9.4	8.2	7.6	8.0	7.5	6.8	7.3	---	---	---
10	9.5	9.0	9.4	8.1	7.5	7.9	7.5	6.9	7.3	---	---	---
11	9.4	8.7	9.1	8.1	7.4	7.9	7.6	6.9	7.3	---	---	---
12	9.0	8.6	8.9	8.1	7.6	8.0	7.5	6.8	7.3	---	---	---
13	9.1	8.5	8.9	8.2	7.6	8.0	7.5	6.8	7.2	---	---	---
14	9.0	8.5	8.9	8.2	7.6	8.0	7.8	7.0	7.4	---	---	---
15	9.0	8.5	8.8	8.1	7.5	8.0	7.7	6.9	7.5	---	---	---
16	9.1	8.6	8.9	8.1	7.4	7.8	7.3	6.8	7.1	---	---	---
17	9.1	8.8	9.0	8.0	7.3	7.7	6.9	6.6	6.8	---	---	---
18	9.3	8.7	9.1	7.9	7.3	7.7	6.8	6.4	6.7	---	---	---
19	9.3	8.6	9.0	7.8	7.0	7.5	6.7	6.2	6.6	---	---	---
20	9.1	8.4	8.7	7.6	7.1	7.4	6.8	6.2	6.5	6.0	4.7	5.3
21	9.1	8.2	8.6	7.6	6.8	7.3	6.9	6.1	6.6	6.3	4.8	5.5
22	9.0	7.8	8.4	7.5	6.9	7.3	6.8	5.9	6.5	6.4	5.0	5.7
23	8.9	7.8	8.4	7.5	6.9	7.3	6.6	6.0	6.4	6.0	5.1	5.7
24	8.8	7.5	8.2	7.5	6.8	7.3	6.5	5.8	6.3	5.9	4.8	5.4
25	8.6	7.3	8.0	7.6	7.0	7.4	6.4	5.8	6.2	5.9	4.8	5.4
26	8.7	7.4	8.1	7.7	7.0	7.5	6.2	5.5	6.0	5.7	4.7	5.3
27	8.7	7.2	8.1	7.7	7.0	7.5	6.2	5.3	5.8	---	---	---
28	8.8	7.2	8.0	7.7	7.1	7.5	6.5	5.4	6.0	---	---	---
29	8.9	7.0	8.0	7.8	7.0	7.6	6.3	5.7	6.1	---	---	---
30	---	---	---	7.7	7.1	7.5	6.7	5.5	6.1	---	---	---
31	---	---	---	7.7	7.1	7.4	---	---	---	---	---	---
MONTH	9.9	7.0	8.9	9.2	6.8	7.8	7.8	5.3	6.9	---	---	---

