

## 02176635 BATTERY CREEK AT 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.--Hydrolab and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 51,700 microsiemens, Sep. 14, 1999; minimum, 29,000 microsiemens Jun. 29, 1999.

WATER TEMPERATURE: Maximum, 34.5°C, Aug. 1, 1999; minimum, 6.0°C, Jan. 31, Feb. 1, 2000.

DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Jan. 14, 16, 1999; minimum, 1.7 mg/L, Aug. 17, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 53,200 microsiemens, Aug. 26; minimum, 44,400 microsiemens Feb. 14, 15.

WATER TEMPERATURE: Maximum, 32.5°C, July 20-22; minimum, 6.0°C, Jan. 31, Feb. 1.

DISSOLVED OXYGEN: Maximum, 12.9 mg/L, Feb. 3-6; minimum, 3.5 mg/L, June 22.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 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	50600	49300	50000	47800	45900	47000	47000	45900	46800	47300	46400	46800
2	50600	48900	49900	47600	45800	47000	47100	46800	46900	47300	46300	46700
3	51000	48700	49800	47300	45700	46400	47100	46400	46900	47200	46200	46600
4	51000	48800	49900	47000	45700	46500	46800	46400	46600	47100	45900	46600
5	50700	48300	49500	46900	45600	46400	46800	46300	46600	47000	46000	46500
6	49900	47700	48900	47000	45900	46500	46500	45600	46300	47300	46200	46800
7	49300	47700	48500	47500	45900	47000	46400	45800	46100	47200	46100	46700
8	48900	47700	48200	47100	45700	46400	46300	45600	46100	47500	46300	46900
9	48800	47600	48300	47600	46300	47100	46600	46100	46300	47600	46600	47100
10	48700	47500	48200	47700	47300	47600	46600	46100	46300	47600	46100	46900
11	48700	47600	48100	47700	47400	47600	46800	46200	46400	47400	46200	46900
12	48600	46300	47500	47600	47200	47400	46800	46300	46500	47500	46200	46900
13	47600	45000	46600	47600	47300	47500	46800	46300	46500	47500	46400	47000
14	47700	45600	46600	47600	47200	47400	46600	45600	46000	47500	46600	47100
15	48000	46500	47200	---	---	---	46400	45700	46000	47800	47000	47400
16	48000	46900	47400	47600	46800	47500	46500	45800	46100	47800	47000	47300
17	47900	46000	47000	47800	46900	47600	46700	46100	46300	47700	46900	47300
18	48100	45700	47100	47900	46900	47600	46800	46200	46500	---	---	---
19	48200	46300	47200	47800	47000	47600	46900	45200	46100	---	---	---
20	47400	45400	46500	47800	47100	47600	46700	45100	45900	48000	47000	47400
21	47000	45400	46200	47700	47200	47600	46800	45000	45900	48100	47200	47600
22	47200	45500	46400	47600	47200	47500	46900	45200	45900	48400	47500	47900
23	47600	45400	46700	47600	46800	47300	47000	45300	46000	48400	47500	47800
24	48000	46200	47100	47500	46900	47200	47000	45600	46100	48500	47500	47800
25	48000	46200	47000	47300	46500	47000	47300	45900	46400	48300	47100	47600
26	48200	45700	46700	47100	45400	46600	47200	46200	46600	48400	47300	47700
27	47800	45800	46800	46800	45900	46300	47400	46400	46700	48400	47400	47900
28	47600	45500	46800	46900	45600	46400	47400	46500	46800	48400	47600	48000
29	47400	45600	46500	46800	46200	46500	47400	46600	46900	48500	47100	47900
30	47800	45600	46700	46800	46400	46600	47300	46600	46900	48200	46400	47300
31	47600	45800	46700	---	---	---	47300	46500	46900	48000	46200	47100
MONTH	51000	45000	47600	47900	45400	47100	47400	45000	46400	48500	45900	47200



## BROAD RIVER BASIN

02176635 BATTERY CREEK AT PORT ROYAL, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	24.5	25.0	20.5	20.0	20.0	16.5	13.5	15.0	11.5	11.0	11.0
2	25.0	24.0	24.5	20.5	20.0	20.5	15.0	12.5	14.0	12.5	11.0	11.5
3	25.5	24.5	25.0	20.0	17.5	18.5	14.5	12.5	13.5	13.0	11.5	12.0
4	25.5	24.5	25.0	18.0	16.5	17.5	14.5	13.0	14.0	14.0	12.0	13.0
5	24.5	23.5	24.5	17.5	16.5	17.0	14.5	13.5	14.0	14.0	12.5	13.0
6	24.0	23.0	23.5	17.5	17.0	17.5	15.0	14.0	14.5	13.0	12.0	12.0
7	23.5	22.5	23.0	18.0	17.0	17.5	14.5	13.5	14.0	12.5	12.0	12.5
8	23.5	22.5	23.0	18.5	17.5	18.0	14.0	13.5	13.5	12.5	12.0	12.5
9	24.5	23.0	23.5	19.0	18.0	18.5	14.5	13.5	14.0	13.5	12.0	12.5
10	25.0	23.5	24.0	19.5	18.0	19.0	15.5	14.5	14.5	14.0	13.0	13.0
11	25.0	24.0	24.5	20.0	18.5	19.0	15.5	14.5	15.0	14.5	13.0	13.5
12	25.0	24.0	24.5	19.5	18.5	19.0	15.5	14.5	15.0	14.5	13.0	13.5
13	24.5	23.5	24.0	19.5	18.5	18.5	16.0	15.0	15.5	15.0	13.5	14.0
14	24.5	24.0	24.0	19.5	18.5	19.0	17.0	15.5	16.0	13.5	12.5	13.0
15	24.0	24.0	24.0	19.0	18.5	19.0	16.5	15.5	16.0	13.0	12.0	12.0
16	24.0	23.0	23.5	18.5	17.5	18.0	16.0	15.0	15.5	12.5	11.5	12.0
17	23.5	22.5	23.0	18.0	16.0	17.0	15.0	14.0	14.5	12.5	12.0	12.0
18	23.5	22.0	23.0	17.0	15.0	16.5	14.5	13.5	14.0	12.0	12.0	12.0
19	23.5	22.5	23.0	17.0	15.5	16.5	14.0	13.5	13.5	12.0	11.5	11.5
20	23.5	23.0	23.0	17.0	16.5	17.0	14.0	13.5	14.0	12.0	11.0	11.5
21	23.0	21.5	22.5	17.5	17.0	17.0	14.0	13.5	14.0	11.0	10.5	11.0
22	22.0	21.0	21.5	17.5	17.0	17.5	14.0	13.5	13.5	10.5	10.0	10.0
23	21.0	19.5	20.5	18.5	17.5	18.0	13.5	13.5	13.5	10.5	10.0	10.0
24	20.0	19.0	19.5	19.0	18.0	18.5	13.5	13.0	13.0	10.5	9.5	10.0
25	19.5	18.5	19.0	19.5	18.0	19.0	13.0	12.0	12.0	9.5	8.5	9.0
26	19.5	18.5	19.0	20.0	19.0	19.5	12.0	10.5	11.0	9.5	8.0	9.0
27	19.5	18.5	19.0	19.5	18.5	19.0	11.0	10.0	11.0	9.0	7.5	8.0
28	20.0	19.0	19.5	18.5	18.0	18.5	11.0	10.0	10.5	8.5	7.0	7.5
29	20.0	19.0	19.5	18.5	17.5	18.0	11.0	9.5	10.5	7.5	6.5	7.0
30	20.0	19.5	19.5	18.5	15.5	17.0	11.0	9.5	10.5	7.5	6.5	7.0
31	20.0	19.5	20.0	---	---	---	11.0	10.5	10.5	7.5	6.0	6.5
MONTH	25.5	18.5	22.5	20.5	15.0	18.2	17.0	9.5	13.5	15.0	6.0	11.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	6.0	7.0	---	---	---	20.0	19.0	19.5	22.0	21.0	21.5
2	7.0	6.5	7.0	---	---	---	20.0	19.0	19.5	23.0	21.0	22.0
3	7.5	6.5	7.0	---	---	---	21.0	19.5	20.0	23.5	21.5	22.5
4	7.5	7.0	7.5	---	---	---	21.0	19.0	20.0	24.5	22.5	23.0
5	7.5	7.0	7.5	---	---	---	19.5	18.5	19.0	25.0	22.5	23.5
6	8.0	7.0	7.5	---	---	---	19.5	18.0	18.5	26.0	23.0	24.0
7	9.0	7.5	8.0	---	---	---	20.5	18.5	19.0	26.5	23.5	24.5
8	9.0	8.0	8.5	---	---	---	20.5	19.0	19.5	26.5	23.5	25.0
9	10.0	8.5	9.0	---	---	---	19.5	18.0	18.5	27.0	23.5	25.0
10	11.0	9.0	9.5	---	---	---	19.5	18.0	18.5	27.0	24.0	25.5
11	11.5	9.5	10.5	---	---	---	---	---	---	27.5	24.5	26.0
12	13.0	10.0	11.0	---	---	---	---	---	---	28.0	25.0	26.5
13	12.5	10.5	11.5	---	---	---	21.5	18.5	20.0	28.0	26.0	27.0
14	14.0	10.5	12.5	---	---	---	21.0	19.0	19.5	28.0	26.5	27.0
15	14.0	11.5	12.5	---	---	---	19.5	17.5	18.0	27.0	26.0	26.5
16	14.0	11.5	12.5	19.0	17.5	18.0	18.5	17.5	18.0	26.5	25.5	26.0
17	---	---	---	19.0	18.0	18.5	19.5	18.0	18.5	26.5	25.0	26.0
18	---	---	---	19.0	16.5	18.0	21.0	19.0	20.0	27.0	25.0	26.0
19	---	---	---	17.0	16.5	16.5	21.0	19.5	20.0	27.0	25.5	26.0
20	---	---	---	18.0	16.5	17.0	21.5	19.5	20.5	27.5	25.5	26.5
21	---	---	---	19.0	17.0	18.0	23.0	20.0	21.0	27.5	26.0	26.5
22	---	---	---	19.5	17.5	18.5	23.0	20.5	21.5	26.5	25.5	26.5
23	---	---	---	18.5	17.5	18.0	22.0	20.5	21.0	27.5	25.5	26.0
24	---	---	---	19.0	17.5	18.0	21.5	20.5	21.0	28.5	26.0	27.0
25	---	---	---	20.0	18.0	18.5	21.0	20.5	21.0	29.0	26.5	27.5
26	---	---	---	20.5	18.5	19.0	21.5	20.0	20.5	29.0	27.0	28.0
27	---	---	---	20.5	19.0	19.5	21.5	20.0	20.5	30.0	27.5	28.0
28	---	---	---	20.0	19.0	19.5	21.5	20.5	21.0	29.5	28.0	28.5
29	---	---	---	20.5	19.0	19.5	21.5	20.0	20.5	29.5	28.0	28.5
30	---	---	---	20.0	19.0	19.5	21.5	20.5	21.0	28.0	26.0	27.0
31	---	---	---	20.0	18.5	19.5	---	---	---	26.5	25.5	26.0
MONTH	14.0	6.0	9.3	20.5	16.5	18.5	23.0	17.5	19.8	30.0	21.0	25.8



## BROAD RIVER BASIN

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## OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	5.2	6.1	8.1	6.8	7.5	8.9	7.6	8.4	10.5	9.5	10.1
2	7.0	5.6	6.4	8.0	6.9	7.5	8.9	7.8	8.5	10.3	9.1	9.8
3	6.9	5.4	6.3	8.4	7.1	7.7	8.8	7.9	8.5	10.2	8.7	9.6
4	6.6	4.8	5.9	8.5	7.4	7.9	8.7	7.7	8.4	9.9	8.3	9.3
5	6.0	4.3	5.4	8.5	7.3	7.8	8.6	7.3	8.1	10.0	7.8	9.2
6	6.7	4.2	5.7	8.4	7.1	7.8	8.5	7.1	8.0	10.3	8.4	9.6
7	7.3	5.2	6.2	8.7	7.0	7.8	8.7	7.0	8.2	10.2	8.6	9.6
8	7.5	5.7	6.6	8.8	7.0	7.9	8.9	7.6	8.6	10.5	8.3	9.8
9	7.6	6.0	6.8	8.6	7.0	7.8	9.1	8.1	8.7	10.6	8.8	10.0
10	7.3	5.8	6.7	8.3	6.6	7.6	9.2	8.0	8.7	10.4	8.8	9.9
11	6.9	5.6	6.4	8.3	6.6	7.7	9.5	8.1	8.9	10.7	8.6	9.8
12	6.5	5.1	6.0	8.4	6.7	7.8	9.6	8.2	9.1	10.8	9.0	10.0
13	6.2	4.4	5.6	8.7	6.7	7.9	9.4	8.3	9.0	10.4	8.9	9.8
14	6.1	4.6	5.6	8.9	6.8	8.0	9.6	8.2	9.0	10.7	8.4	9.5
15	6.4	4.8	5.7	9.4	7.0	8.3	9.8	8.1	9.1	10.7	8.8	9.9
16	6.5	5.3	6.1	9.4	6.9	8.3	9.8	8.3	9.1	10.7	8.7	9.8
17	6.8	5.6	6.3	9.3	7.1	8.3	9.6	8.2	9.0	10.7	8.8	9.8
18	6.5	5.1	5.9	9.1	7.0	8.2	9.3	8.0	8.9	10.4	8.6	9.5
19	6.5	5.2	5.9	8.8	6.7	8.1	9.4	8.0	8.9	10.2	8.6	9.7
20	7.2	5.4	6.2	8.6	6.7	7.8	9.2	8.0	8.8	10.4	9.2	10.0
21	7.2	5.7	6.4	8.5	6.4	7.5	8.9	7.9	8.6	10.6	9.3	10.3
22	7.3	5.8	6.5	8.0	6.2	7.2	8.9	7.8	8.4	10.7	9.6	10.4
23	7.5	5.8	6.7	8.0	6.1	7.2	8.9	7.6	8.5	10.6	9.6	10.3
24	7.8	6.3	7.2	7.9	6.1	7.3	9.4	8.1	8.9	10.5	9.6	10.3
25	8.0	6.8	7.4	7.8	6.3	7.3	10.2	8.5	9.5	11.5	9.9	10.7
26	8.2	6.9	7.6	7.7	6.4	7.3	10.6	9.3	10.0	12.1	10.4	11.2
27	8.5	7.2	7.7	7.9	6.3	7.3	10.8	9.8	10.3	12.3	10.7	11.5
28	8.8	7.2	8.0	8.1	6.6	7.5	11.0	9.9	10.4	12.2	11.0	11.6
29	9.0	7.5	8.2	8.2	6.6	7.5	11.2	10.1	10.6	12.4	11.1	11.7
30	8.6	7.6	8.2	8.7	7.2	8.0	11.0	10.1	10.5	12.1	11.2	11.8
31	8.4	7.2	7.9	---	---	---	10.9	9.9	10.3	12.4	11.3	11.8
MONTH	9.0	4.2	6.6	9.4	6.1	7.7	11.2	7.0	9.0	12.4	7.8	10.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	11.4	12.1	---	---	---	8.0	6.4	7.2	7.5	5.8	6.7
2	12.7	11.6	12.2	---	---	---	8.0	6.3	7.2	7.4	5.5	6.6
3	12.9	11.7	12.4	---	---	---	8.2	6.3	7.3	7.5	5.5	6.4
4	12.9	11.6	12.4	---	---	---	7.8	6.4	7.1	7.3	5.4	6.4
5	12.9	11.3	12.4	---	---	---	8.3	6.5	7.4	7.1	5.3	6.3
6	12.9	11.6	12.3	---	---	---	8.3	6.8	7.7	7.3	5.3	6.3
7	12.8	11.4	12.2	---	---	---	8.4	7.0	7.8	7.5	5.2	6.3
8	12.7	10.9	12.0	---	---	---	8.4	7.1	7.7	7.8	5.2	6.3
9	12.5	10.8	11.8	---	---	---	8.9	7.4	8.1	7.2	4.9	6.3
10	12.5	10.8	11.8	---	---	---	8.9	7.5	8.2	6.8	5.0	6.1
11	12.2	10.6	11.4	---	---	---	---	---	---	6.3	4.8	5.7
12	12.0	10.0	11.0	---	---	---	---	---	---	5.8	4.3	5.2
13	11.8	9.9	10.9	---	---	---	9.0	7.8	8.6	5.5	3.7	4.8
14	11.4	8.6	10.3	---	---	---	8.9	7.7	8.4	5.3	3.7	4.7
15	11.1	8.3	9.9	---	---	---	8.9	7.8	8.4	5.4	3.7	4.7
16	11.0	7.7	9.5	8.3	7.2	7.7	8.8	7.5	8.2	5.5	4.1	4.9
17	---	---	---	7.8	7.0	7.4	8.5	7.4	8.0	5.9	4.2	5.1
18	---	---	---	8.2	6.8	7.7	8.5	7.2	7.9	6.3	4.2	5.4
19	---	---	---	8.3	7.3	7.9	8.4	6.8	7.7	6.5	4.4	5.6
20	---	---	---	8.3	7.1	7.9	8.2	6.8	7.6	6.8	4.7	5.8
21	---	---	---	8.0	7.2	7.7	8.2	6.6	7.5	7.0	4.9	6.0
22	---	---	---	8.1	7.1	7.7	8.0	6.4	7.4	6.9	5.0	5.9
23	---	---	---	8.2	7.3	7.8	8.2	6.2	7.3	6.8	4.9	5.8
24	---	---	---	8.7	7.3	8.0	8.1	6.0	7.1	6.7	4.5	5.7
25	---	---	---	8.8	7.5	8.1	7.8	5.9	7.0	6.9	4.7	5.9
26	---	---	---	8.7	7.7	8.1	7.8	6.0	7.0	6.8	4.6	5.8
27	---	---	---	8.3	7.4	7.9	7.7	6.0	6.9	6.7	4.2	5.6
28	---	---	---	8.5	7.2	7.9	7.9	6.0	7.1	6.5	4.3	5.5
29	---	---	---	8.9	7.3	8.1	7.9	6.3	7.1	6.6	4.2	5.3
30	---	---	---	8.4	6.5	7.6	7.7	6.2	7.0	6.9	4.8	5.9
31	---	---	---	8.0	6.2	7.2	---	---	---	6.9	5.0	6.0
MONTH	12.9	7.7	11.5	8.9	6.2	7.8	9.0	5.9	7.6	7.8	3.7	5.8

