

## 02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2004 to May 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 2004 to May 2005 (discontinued).

DISSOLVED OXYGEN: March 2004 to May 2005 (discontinued).

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

REMARKS.-- Temperature records rated excellent. Dissolved oxygen records rated excellent except for Oct. 1-6, Mar. 22 to May 4, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 30.1°C, July 6, 2004; minimum, 6.3°C, Feb. 1, 2, 4, 2005.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L, Feb. 8, 2005; minimum, 3.2 mg/L, June 3, 15, July 13, 29, 2004.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.6°C, Oct. 5; minimum, 6.3°C, Feb. 1, 2, 4.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L, Feb. 8; minimum, 5.2 mg/L, Oct. 7.

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.2	23.8	23.9	21.3	20.5	20.8	15.2	14.9	15.0	8.5	7.9	8.1
2	24.4	23.9	24.1	21.1	20.7	20.8	15.3	14.6	14.8	8.8	7.9	8.3
3	24.2	24.0	24.1	22.0	20.6	20.8	14.9	14.4	14.6	9.1	8.1	8.5
4	24.2	23.8	24.0	21.3	20.7	20.9	14.9	14.3	14.5	9.9	8.4	8.9
5	24.6	23.7	24.1	20.9	20.6	20.7	14.8	14.1	14.4	10.3	8.7	9.2
6	24.4	23.9	24.0	21.0	20.3	20.6	14.6	14.3	14.4	10.5	8.6	9.4
7	24.2	23.6	23.8	20.6	20.1	20.3	15.0	14.3	14.5	10.4	8.8	9.3
8	23.9	23.3	23.5	21.1	20.0	20.3	16.0	14.6	14.9	10.6	9.2	9.7
9	23.6	23.1	23.3	20.2	19.4	19.9	15.7	14.7	14.9	10.5	9.6	10.0
10	23.6	23.0	23.2	19.8	18.6	19.2	15.5	14.9	15.1	11.3	9.6	10.3
11	24.1	22.9	23.1	19.0	18.4	18.6	15.3	14.7	15.0	10.9	10.1	10.4
12	23.1	22.8	22.8	18.5	17.8	18.2	14.9	14.4	14.6	10.6	9.7	10.2
13	23.4	22.7	22.9	18.1	17.7	17.8	14.8	14.1	14.3	10.5	9.2	9.8
14	23.1	22.8	22.9	17.7	17.1	17.4	14.1	12.8	13.4	11.2	9.3	10.2
15	22.8	22.3	22.6	17.2	16.4	16.8	12.8	11.7	12.2	11.3	10.9	11.1
16	22.3	21.8	22.0	16.7	16.1	16.3	11.9	11.4	11.6	11.2	10.7	10.9
17	22.0	21.5	21.7	16.7	15.9	16.1	11.9	11.3	11.5	10.9	10.2	10.5
18	21.8	21.2	21.5	16.4	15.6	15.9	11.7	11.3	11.4	10.3	9.5	9.9
19	21.7	21.2	21.4	16.2	15.6	15.8	11.6	11.1	11.4	9.5	9.1	9.3
20	21.8	21.4	21.6	16.0	15.5	15.7	11.4	9.7	10.4	9.5	8.7	9.0
21	21.7	21.4	21.6	16.4	15.6	16.0	10.1	9.4	9.7	9.6	8.7	8.9
22	21.9	21.4	21.6	16.4	15.7	15.9	10.2	9.6	9.8	9.4	8.6	9.0
23	21.8	21.1	21.3	17.0	15.6	16.1	10.7	9.7	10.1	9.3	7.6	8.6
24	21.2	20.8	21.0	16.6	15.5	16.0	10.1	9.8	9.9	7.7	7.2	7.4
25	21.2	20.8	21.0	16.2	15.5	15.9	9.8	9.2	9.6	7.9	6.9	7.4
26	20.8	20.5	20.7	15.9	15.5	15.7	9.2	8.1	8.6	8.4	6.9	7.4
27	20.9	20.5	20.6	15.5	15.2	15.4	8.4	7.6	8.1	7.9	7.3	7.5
28	20.6	20.5	20.6	15.5	15.2	15.3	8.0	7.4	7.7	7.3	7.0	7.2
29	20.8	20.4	20.5	15.6	14.9	15.2	8.6	7.4	7.8	7.0	6.7	6.9
30	20.9	20.3	20.5	15.2	14.7	14.9	8.5	7.7	8.0	6.9	6.5	6.7
31	21.1	20.7	20.8	---	---	---	8.4	7.7	8.0	7.2	6.5	6.7
MONTH	24.6	20.3	22.3	22.0	14.7	17.6	16.0	7.4	11.9	11.3	6.5	8.9

## 02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC--Continued

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.8	6.3	6.5	11.2	10.1	10.6	14.6	13.7	14.1	18.7	17.6	18.0
2	6.6	6.3	6.4	10.5	9.8	10.1	15.1	13.6	14.4	19.4	17.9	18.3
3	6.5	6.4	6.4	10.3	9.8	10.0	15.0	13.8	14.5	19.7	17.8	18.5
4	6.8	6.3	6.5	10.6	9.6	9.9	15.8	14.5	14.9	---	---	---
5	7.1	6.4	6.7	10.9	9.6	10.1	16.0	14.4	14.8	---	---	---
6	7.6	6.7	7.0	11.0	10.0	10.3	15.5	14.4	14.9	---	---	---
7	8.1	6.9	7.3	12.1	10.0	10.8	15.4	14.5	14.9	---	---	---
8	8.5	7.2	7.5	11.5	10.7	11.0	15.8	14.8	15.2	---	---	---
9	8.2	7.2	7.5	10.8	10.5	10.7	16.2	15.2	15.7	---	---	---
10	8.9	7.8	8.3	11.4	10.6	10.8	16.9	15.9	16.4	---	---	---
11	8.8	8.0	8.4	11.2	10.4	10.8	17.7	16.0	16.4	---	---	---
12	9.0	8.3	8.5	11.9	10.3	10.9	16.8	15.8	16.2	---	---	---
13	8.8	8.2	8.4	12.0	10.7	11.1	17.1	15.8	16.3	---	---	---
14	8.5	8.0	8.3	11.6	11.3	11.5	17.1	16.7	16.8	---	---	---
15	9.0	8.3	8.5	12.5	11.4	11.7	17.1	16.2	16.6	---	---	---
16	9.7	8.2	8.8	11.5	11.3	11.4	16.6	15.8	16.1	---	---	---
17	9.9	9.1	9.5	11.3	10.9	11.1	16.9	15.7	16.1	---	---	---
18	10.1	9.4	9.8	11.0	10.6	10.8	16.7	15.5	15.9	---	---	---
19	10.4	9.6	9.9	11.3	10.6	10.9	17.1	15.7	16.2	---	---	---
20	9.8	9.4	9.5	12.2	10.7	11.2	17.8	16.0	16.4	---	---	---
21	10.2	9.5	9.8	12.0	10.9	11.4	18.9	16.4	16.9	---	---	---
22	11.6	10.0	10.5	11.3	10.8	11.1	17.7	16.2	16.8	---	---	---
23	10.9	9.8	10.2	14.1	11.1	11.7	17.8	16.3	17.0	---	---	---
24	10.3	9.5	9.9	13.6	11.7	12.5	17.4	16.8	17.0	---	---	---
25	10.7	10.2	10.4	13.1	12.0	12.4	18.8	16.5	17.1	---	---	---
26	11.3	10.3	10.7	13.3	12.1	12.5	17.1	16.6	16.9	---	---	---
27	10.9	10.2	10.4	14.2	11.8	12.3	18.4	16.5	17.3	---	---	---
28	11.0	10.1	10.6	14.5	11.9	12.8	18.8	17.3	17.7	---	---	---
29	---	---	---	14.6	12.8	13.6	17.9	17.1	17.4	---	---	---
30	---	---	---	15.5	13.5	14.1	17.9	17.4	17.7	---	---	---
31	---	---	---	14.0	13.5	13.8	---	---	---	---	---	---
MONTH	11.6	6.3	8.7	15.5	9.6	11.4	18.9	13.6	16.2	---	---	---

## COOPER RIVER BASIN

02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	6.3	7.3	8.1	6.8	7.7	9.8	8.4	9.3	11.6	11.3	11.5
2	8.1	6.7	7.4	8.1	6.6	7.7	9.9	9.1	9.5	11.6	11.0	11.4
3	7.4	6.3	7.0	8.3	6.6	7.5	9.9	9.1	9.6	11.6	9.9	11.3
4	7.6	5.3	6.9	8.0	6.6	7.5	10.0	8.9	9.6	11.7	10.7	11.5
5	7.9	5.3	6.8	8.4	7.3	8.0	9.8	8.6	9.5	11.7	10.5	11.3
6	6.8	5.8	6.3	9.2	7.7	8.4	9.7	7.9	9.3	11.4	9.7	11.0
7	6.5	5.2	6.0	8.5	7.5	8.2	9.7	8.1	9.4	11.1	10.8	11.0
8	6.6	5.6	6.2	8.8	7.8	8.3	9.7	8.0	9.4	11.2	10.3	10.9
9	6.7	6.0	6.4	8.6	7.8	8.3	9.8	8.6	9.5	11.0	10.3	10.8
10	6.8	5.7	6.4	9.0	7.8	8.5	9.8	9.0	9.4	11.2	10.6	10.9
11	7.3	6.2	6.6	8.8	7.6	8.5	9.9	9.2	9.6	11.1	10.6	10.8
12	6.5	6.0	6.3	8.8	7.4	8.2	10.0	9.4	9.7	11.0	10.2	10.7
13	7.3	5.5	6.5	9.4	7.1	8.6	10.0	9.5	9.8	10.6	9.8	10.2
14	7.5	6.6	7.0	9.6	8.5	9.1	10.0	9.5	9.8	10.5	9.7	10.1
15	7.7	6.5	7.1	9.5	8.1	9.1	10.5	9.8	10.2	10.5	10.0	10.3
16	8.0	7.0	7.6	9.8	8.4	9.3	10.4	10.0	10.2	10.5	10.2	10.4
17	8.1	7.3	7.7	9.5	8.2	9.2	10.4	9.8	10.2	10.7	9.9	10.4
18	7.9	7.1	7.5	9.2	8.7	8.9	10.4	10.0	10.2	10.8	10.2	10.5
19	7.9	6.8	7.5	9.2	8.0	8.9	10.5	9.9	10.2	11.5	10.2	10.9
20	7.9	6.8	7.6	9.4	8.4	9.0	10.9	10.5	10.7	11.3	10.9	11.1
21	8.0	6.5	7.4	9.4	8.8	9.2	10.9	10.6	10.8	11.2	10.8	11.0
22	8.2	6.8	7.8	9.2	8.0	8.9	10.8	10.5	10.7	11.2	10.7	11.0
23	8.4	7.0	7.9	9.3	8.4	8.9	10.7	10.4	10.6	11.5	11.0	11.2
24	7.9	6.7	7.5	9.2	7.9	8.7	10.8	10.4	10.6	11.8	11.3	11.6
25	7.9	6.7	7.5	9.5	7.7	8.5	11.2	10.4	10.8	11.8	11.1	11.6
26	7.8	6.4	7.4	9.4	8.5	9.1	11.5	10.9	11.2	11.9	11.5	11.6
27	7.8	6.2	7.2	9.4	8.9	9.2	11.7	11.1	11.3	12.0	11.6	11.8
28	7.7	6.6	7.3	9.7	8.9	9.3	11.7	11.5	11.6	11.9	11.6	11.7
29	7.9	6.6	7.4	9.8	9.0	9.5	11.7	11.4	11.6	11.9	11.8	11.9
30	7.8	6.8	7.4	9.8	9.0	9.4	11.8	11.5	11.6	12.1	11.8	11.9
31	8.2	6.2	7.6	---	---	---	11.7	11.5	11.6	12.3	11.4	12.0
MONTH	8.4	5.2	7.1	9.8	6.6	8.7	11.8	7.9	10.2	12.3	9.7	11.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.4	11.8	12.2	11.3	10.0	10.8	9.8	8.9	9.4	9.3	6.7	8.3
2	12.6	12.2	12.3	11.6	10.4	11.0	9.8	8.0	9.3	9.5	7.1	8.7
3	12.5	12.0	12.3	11.4	10.3	11.0	9.8	8.2	9.4	9.5	6.7	8.9
4	12.7	12.1	12.4	11.6	10.5	11.0	9.8	8.5	9.4	---	---	---
5	12.8	12.1	12.6	11.8	10.3	11.1	9.9	8.5	9.4	---	---	---
6	13.0	12.4	12.7	11.7	10.6	11.2	9.4	8.5	9.1	---	---	---
7	13.0	12.4	12.7	11.9	10.6	11.3	9.1	8.2	8.8	---	---	---
8	13.2	12.4	12.8	11.7	10.3	11.2	9.2	8.3	8.8	---	---	---
9	12.9	12.4	12.6	11.2	10.5	10.9	9.6	8.3	8.8	---	---	---
10	12.9	12.2	12.5	11.5	10.4	10.9	9.6	8.8	9.2	---	---	---
11	12.4	11.6	12.1	11.5	10.3	10.8	9.4	8.4	9.0	---	---	---
12	12.5	10.9	12.0	11.1	10.3	10.8	9.2	7.9	8.8	---	---	---
13	12.4	9.8	11.8	11.1	10.2	10.6	9.4	7.6	8.5	---	---	---
14	12.1	9.8	11.7	11.0	9.3	10.6	9.2	8.0	8.8	---	---	---
15	12.3	10.2	11.7	11.2	8.9	10.5	9.3	8.1	8.8	---	---	---
16	12.5	11.0	12.0	10.9	9.0	10.3	9.6	8.1	9.0	---	---	---
17	12.3	10.0	11.3	10.8	8.9	10.3	9.7	8.0	9.1	---	---	---
18	11.4	10.6	11.1	10.8	9.1	10.3	9.8	8.2	9.3	---	---	---
19	11.5	10.8	11.1	10.7	9.2	10.3	9.8	7.7	9.2	---	---	---
20	11.3	10.6	11.0	10.9	9.2	10.4	9.5	7.7	8.9	---	---	---
21	11.2	10.4	10.9	11.0	9.3	10.4	9.5	8.3	9.1	---	---	---
22	11.3	10.6	11.0	10.2	9.3	9.8	9.4	8.2	9.0	---	---	---
23	11.2	10.4	10.8	9.9	8.7	9.2	9.2	8.2	8.8	---	---	---
24	10.9	10.3	10.6	10.1	9.2	9.7	9.4	8.6	9.1	---	---	---
25	11.2	10.7	10.9	10.0	9.4	9.7	9.6	8.5	9.1	---	---	---
26	11.4	10.6	11.0	10.1	8.9	9.5	9.2	8.5	8.9	---	---	---
27	11.0	10.5	10.8	9.5	8.3	9.2	9.5	8.0	8.9	---	---	---
28	11.1	10.1	10.7	9.6	8.6	9.1	9.8	7.8	9.1	---	---	---
29	---	---	---	10.0	9.0	9.6	9.4	8.1	8.9	---	---	---
30	---	---	---	10.2	9.2	9.6	9.1	7.8	8.7	---	---	---
31	---	---	---	9.8	9.2	9.5	---	---	---	---	---	---
MONTH	13.2	9.8	11.7	11.9	8.3	10.3	9.9	7.6	9.0	---	---	---