

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC

LOCATION.--Lat. 34°59'57", long. 76°56'35", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 11.

PERIOD OF RECORD.--Water years 1989 to 1993, 1996 to current year.

## PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

pH (TOP AND BOTTOM): June 1996 to current year.

WATER TEMPERATURE (TOP): May to December 1989, January 1991 to July 1993, June 1996 to current year.

WATER TEMPERATURE (BOTTOM): June 1996 to current year.

DISSOLVED OXYGEN (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

DISSOLVED OXYGEN (MID): May to December 1989, January 1991 to July 1993.

DISSOLVED OXYGEN, PERCENT SATURATION, (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION, (MID): May to December 1989, January 1991 to July 1993.

INSTRUMENTATION.-- Water-quality monitor from May to December 1989, January 1991 to July 1993. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from June 1996 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricanes Dennis and Floyd. It was reinstalled October 6, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was relocated approximately 150 feet west-southwest of old site on September 19, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Prior to June 1996, top constituents were monitored at 10 feet above streambed, mid constituents at 6 feet above streambed, and bottom constituents 2 feet above streambed. Beginning in June 1996 top constituents were monitored at 8 feet above streambed, and bottom constituents 2 feet above streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	23.5, July 31, 2002	<0.1, on many days during the period
SALINITY (BOTOM), ppt	24.6, July 31, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.9, March 17, 1999	5.7, February 16, 1998
pH (BOTTOM), standard units	9.6, April 3, 2004	4.3, August 21, 2003
WATER TEMPERATURE (TOP), °C	33.5 August 20, 2005	0.6, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	30.7, August 2, 2002, July 28, 29, 2005	1.2, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	20.0, February 18, 1992	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	21.2, February 20, 1991	<1.0, on many days during the period

## EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	12.5, January 7	0.05, April 2, 3
SALINITY (BOTTOM), ppt	13.7, August 17, 18, 22, 23, 24	0.05, April 2
pH (TOP), standard units	9.2, May 11, 12	6.7, June 5, 6, 7, 8
pH (BOTTOM), standard units	8.9, May 13	6.5, October 29, November 1, 2, 3
WATER TEMPERATURE (TOP), °C	33.5, August 20	2.1, January 29
WATER TEMPERATURE (BOTTOM), °C	30.7, July 28, 29	2.8, January 29
DISSOLVED OXYGEN (TOP), mg/L	18.6, January 3	0.0, June 8
DISSOLVED OXYGEN (BOTTOM), mg/L	13.3, February 6, 7, 10	0.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	196, July 26	0, June 8
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	124, October 29	0, on many days during the year

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.3	1.7	2.0	8.2	7.1	7.6	6.2	4.2	5.4	9.0	6.0	7.5
2	1.9	1.5	1.7	7.5	6.9	7.2	6.0	4.6	5.1	9.5	6.0	8.8
3	1.8	1.3	1.5	7.7	7.2	7.5	5.2	3.8	4.4	8.3	4.5	6.6
4	1.8	1.2	1.6	7.7	6.8	7.5	4.3	2.9	3.6	9.9	6.8	8.6
5	2.0	1.2	1.5	8.1	6.7	7.5	3.9	1.8	2.6	10.5	7.2	10
6	2.1	1.9	2.0	7.5	6.5	7.0	6.3	1.8	3.8	11.7	10.2	10.6
7	2.3	1.7	2.0	8.3	7.1	7.7	7.3	4.2	5.9	12.5	9.6	10.9
8	2.4	1.9	2.1	8.8	7.9	8.3	7.3	4.0	6.4	10.4	7.7	9.4
9	2.3	1.5	2.0	8.8	8.0	8.3	7.1	4.2	5.9	9.3	7.2	8.4
10	2.0	1.5	1.7	8.2	7.6	7.9	8.5	5.4	7.3	9.3	7.8	8.7
11	2.3	1.7	1.9	7.7	6.7	7.2	7.2	4.2	5.9	10.7	5.7	9.1
12	2.5	1.4	2.0	7.7	5.7	6.9	9.0	6.0	7.7	10.8	7.2	8.8
13	3.8	1.6	2.4	7.7	6.3	7.3	8.8	7.8	8.3	9.6	8.3	9.0
14	3.1	1.7	2.1	7.6	7.2	7.4	8.3	6.6	7.3	9.9	7.3	8.8
15	4.7	2.3	3.0	7.6	6.1	7.1	7.4	7.1	7.2	9.3	8.3	8.8
16	7.3	2.3	5.0	6.7	4.5	5.9	7.4	6.7	7.1	9.7	7.3	9.0
17	6.2	2.9	5.3	8.1	4.1	5.3	8.1	5.3	6.7	9.3	7.1	8.3
18	6.5	3.1	4.7	9.2	3.8	7.4	6.7	4.6	5.5	8.3	6.6	7.5
19	6.0	3.6	4.8	9.2	7.5	8.7	8.8	4.9	6.6	10.4	5.4	8.4
20	5.7	4.3	4.9	9.2	7.0	8.6	8.1	6.6	7.4	10.7	5.0	7.1
21	6.0	4.0	4.8	8.9	5.8	7.8	7.9	7.3	7.5	5.6	2.6	4.3
22	7.8	5.3	6.4	8.9	5.5	6.6	7.9	7.3	7.6	9.5	2.5	5.4
23	8.3	5.6	6.9	7.5	5.5	6.2	7.5	6.3	6.9	7.5	6.3	6.9
24	7.2	5.3	6.1	6.8	6.0	6.4	7.9	6.5	7.3	7.2	6.4	6.8
25	6.8	5.5	6.0	8.6	6.0	7.3	8.3	7.3	7.8	7.5	6.7	7.2
26	7.0	6.3	6.8	8.6	4.9	6.2	8.3	7.2	8.0	7.3	5.6	6.5
27	6.6	5.7	6.1	6.4	4.9	6.0	7.5	5.7	7.0	6.2	3.2	5.0
28	6.6	5.9	6.2	6.2	4.4	5.6	7.2	5.4	6.1	6.7	3.3	5.2
29	6.7	6.0	6.3	5.7	5.1	5.3	7.7	6.1	7.0	6.9	4.4	5.9
30	7.1	6.1	6.6	5.6	5.1	5.3	7.9	5.9	6.8	5.5	3.3	4.5
31	8.0	7.0	7.4	---	---	---	7.9	4.8	6.5	5.0	4.5	4.8
MONTH	8.3	1.2	4.0	9.2	3.8	7.0	9.0	1.8	6.4	12.5	2.5	7.6
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.7	4.3	4.8	6.6	4.8	5.6	1.2	0.3	0.5	7.3	5.5	6.5
2	5.9	4.5	5.2	6.8	5.7	6.4	0.6	0.05	0.2	6.8	5.7	6.3
3	6.2	2.1	4.3	6.4	5.0	5.7	1.5	0.05	0.4	6.4	5.3	5.9
4	6.7	5.3	6.0	5.5	3.0	4.7	1.5	0.6	1.1	6.7	5.6	6.0
5	6.7	4.5	5.8	5.4	4.2	5.0	1.1	0.8	1.0	8.0	6.0	7.1
6	6.0	4.5	5.3	5.1	3.4	4.2	0.9	0.3	0.5	8.0	5.5	7.3
7	5.9	4.6	5.4	6.8	3.9	4.9	0.4	0.08	0.2	6.2	4.5	5.5
8	5.9	3.7	4.7	8.5	2.3	5.3	0.1	0.06	0.08	6.1	3.4	4.7
9	6.5	3.8	5.0	7.0	4.3	5.6	0.4	0.07	0.2	6.7	3.3	4.4
10	6.5	4.5	5.6	5.3	3.8	4.5	1.1	0.2	0.5	5.8	3.6	4.7
11	7.5	5.7	6.5	6.5	4.3	5.0	1.7	0.1	0.7	5.4	4.0	4.7
12	7.1	5.7	6.8	6.7	5.5	5.9	1.5	0.4	1.1	5.0	1.8	3.5
13	7.1	5.9	6.7	6.3	4.4	5.7	1.9	0.8	1.4	4.1	1.4	3.2
14	6.7	4.6	5.5	5.8	3.9	4.9	1.9	1.5	1.7	3.4	1.3	2.1
15	5.8	4.0	4.7	4.8	3.3	4.3	2.9	1.4	2.1	4.0	1.9	2.7
16	6.0	4.1	5.1	4.9	2.8	4.3	3.6	2.0	2.5	3.4	2.2	2.4
17	4.9	4.3	4.6	5.6	4.2	4.8	2.1	0.3	0.8	4.0	2.3	3.0
18	7.3	4.2	5.4	5.3	3.6	4.8	1.7	0.2	0.8	4.1	2.4	3.1
19	7.3	6.2	6.6	4.3	2.7	3.7	2.3	0.4	1.3	2.9	1.8	2.3
20	6.8	6.3	6.4	5.4	1.8	3.1	3.9	0.3	1.0	1.9	0.9	1.4
21	7.2	6.4	6.7	5.5	1.6	3.0	8.6	1.1	4.0	2.8	1.7	2.5
22	7.3	6.3	6.8	4.4	1.9	2.6	10	1.1	5.3	3.3	1.4	2.1
23	7.2	6.2	6.6	2.3	1.2	1.7	7.5	1.1	2.8	3.2	1.8	2.6
24	7.5	5.9	6.7	2.3	1.6	1.9	5.4	2.0	3.8	3.5	2.3	2.7
25	6.9	6.1	6.5	3.4	2.1	2.5	6.7	5.3	6.5	3.3	2.7	3.0
26	7.0	5.6	6.4	2.7	1.9	2.2	6.9	6.3	6.6	3.9	2.5	3.1
27	7.3	5.1	6.4	2.4	0.7	1.4	6.6	3.4	5.3	3.9	3.0	3.5
28	7.0	4.8	6.0	1.0	0.06	0.6	6.7	4.4	5.6	4.2	3.4	3.7
29	---	---	---	1.3	0.06	0.7	8.9	5.2	6.5	4.2	2.4	3.3
30	---	---	---	1.0	0.8	0.9	6.8	5.4	6.3	5.1	2.9	3.6
31	---	---	---	1.4	0.5	1.0	---	---	---	4.3	3.1	3.4
MONTH	7.5	2.1	5.8	8.5	0.06	3.8	10.0	0.05	2.4	8.0	0.9	3.9

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.7	3.7	4.3	6.7	5.5	6.1	7.1	4.4	5.9	8.8	8.0	8.3
2	5.7	3.2	4.6	6.4	5.2	5.7	7.3	4.8	6.8	8.2	6.5	7.8
3	5.0	3.0	3.7	7.4	5.7	6.5	6.5	2.2	3.3	8.1	6.4	7.3
4	5.4	4.6	5.0	6.8	5.7	6.4	6.0	2.0	2.9	8.9	7.6	8.3
5	5.4	3.2	4.7	6.7	4.3	5.5	6.2	2.6	3.4	9.4	8.6	9.0
6	5.5	3.4	5.0	6.4	3.1	4.5	3.9	3.0	3.3	9.3	8.5	8.9
7	6.1	3.3	4.8	7.0	2.9	5.2	4.1	3.2	3.6	9.0	8.3	8.7
8	8.3	3.7	5.6	7.1	5.9	6.4	4.5	3.5	4.0	9.0	8.0	8.5
9	6.8	3.1	4.5	6.9	3.8	5.5	5.2	3.4	4.4	8.5	8.1	8.3
10	4.5	3.2	3.8	6.0	3.8	4.7	4.7	2.6	3.9	9.3	8.3	8.8
11	4.1	2.9	3.4	5.9	4.2	4.8	5.4	2.5	3.7	---	---	---
12	4.5	3.0	3.6	7.6	4.0	5.4	6.2	3.7	4.3	---	---	---
13	4.6	2.5	3.4	9.7	5.6	8.2	5.5	3.2	3.8	---	---	---
14	4.7	3.1	4.2	8.8	6.5	7.3	3.9	2.9	3.3	---	---	---
15	5.8	3.4	4.6	7.3	6.1	6.6	3.9	3.1	3.4	---	---	---
16	5.0	2.6	3.8	7.3	4.5	6.3	8.0	1.9	3.9	---	---	---
17	4.0	2.7	3.4	7.3	4.3	5.7	5.0	3.8	4.2	---	---	---
18	6.0	3.3	4.2	7.4	3.0	4.7	5.6	4.0	4.6	---	---	---
19	7.0	5.7	6.4	8.7	3.8	5.7	6.5	5.5	6.0	---	---	---
20	7.0	5.7	6.4	8.5	5.5	7.0	6.7	5.3	6.2	7.7	5.4	6.5
21	7.0	4.9	5.7	10	6.5	8.0	6.2	5.3	5.7	7.8	7.1	7.5
22	7.0	4.9	5.8	9.2	6.2	8.0	6.5	5.4	6.0	8.6	6.5	7.8
23	7.3	6.3	6.8	8.8	6.6	7.5	7.2	6.1	6.7	7.5	6.0	6.7
24	7.4	6.4	6.9	8.1	5.2	7.2	7.4	6.0	6.9	8.0	5.4	6.5
25	8.0	7.0	7.5	7.8	4.5	6.2	7.8	7.3	7.5	8.6	7.9	8.1
26	7.9	6.4	6.9	6.9	3.9	5.9	8.1	7.4	7.7	7.9	6.5	7.1
27	6.9	6.2	6.5	6.3	3.8	5.2	8.3	7.8	8.1	8.6	7.2	7.9
28	7.0	6.3	6.5	7.5	5.2	6.1	8.4	7.8	8.2	8.6	8.1	8.5
29	6.7	6.0	6.3	7.8	5.7	6.9	8.4	7.5	8.1	8.6	6.4	7.4
30	6.5	6.0	6.3	6.8	5.5	6.1	8.0	7.3	7.6	8.8	6.9	8.3
31	---	---	---	6.6	4.7	5.7	8.2	7.6	7.9	---	---	---
MONTH	8.3	2.5	5.2	10.0	2.9	6.2	8.4	1.9	5.3	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.5	1.9	2.2	9.1	7.5	8.7	9.2	5.5	7.5	9.5	9.3	9.4
2	2.4	1.8	2.1	8.8	7.9	8.5	6.7	5.2	6.2	9.8	9.5	9.6
3	2.1	1.7	1.9	9.0	7.6	8.5	7.1	4.8	6.2	9.8	9.4	9.5
4	3.1	1.7	2.1	7.8	7.3	7.7	7.8	5.9	6.7	10.2	9.5	9.9
5	3.5	1.6	2.2	8.5	7.3	8.1	8.4	6.2	7.7	12.0	10.2	11.2
6	3.1	2.0	2.3	9.5	7.5	8.4	8.9	8.1	8.5	12.4	12.0	12.3
7	3.5	1.9	2.3	9.7	8.3	9.3	9.0	6.7	8.5	12.5	10.5	12.3
8	2.6	2.0	2.3	9.5	8.3	8.8	9.1	6.7	8.3	12.3	11.2	12.1
9	2.6	2.3	2.4	8.8	8.1	8.4	9.5	9.0	9.3	12.1	9.0	10.8
10	2.4	1.7	2.1	8.3	8.0	8.1	9.3	8.1	8.6	11.9	10.4	11.6
11	2.7	1.7	2.0	8.1	7.4	7.9	10.7	8.7	9.8	11.9	11.4	11.7
12	5.8	2.3	3.7	8.2	7.8	8.1	10.7	9.2	9.8	11.7	11.4	11.5
13	5.8	3.1	4.9	8.1	7.0	7.5	11.3	8.7	10.1	11.7	10	11.1
14	5.3	3.6	4.9	8.0	7.3	7.6	9.2	7.2	8.0	10.4	7.3	8.9
15	9.1	5.2	7.0	8.1	7.1	7.7	8.5	7.1	7.4	9.5	8.5	8.9
16	10	8.5	9.6	9.8	7.7	8.7	9.2	7.1	7.9	9.8	8.5	9.1
17	11.0	8.0	10.4	9.7	9.5	9.6	9.7	8.8	9.5	10.1	7.2	9.1
18	10.9	7.8	9.6	9.6	9.3	9.5	9.9	9.0	9.5	11.1	6.6	8.9
19	9.3	6.9	8.6	9.5	9.3	9.4	10.6	9.9	10.2	11.3	8.5	10.4
20	10.5	7.2	9.2	9.8	9.3	9.5	10.6	7.0	7.7	11.6	11.1	11.3
21	12.8	10.5	12.0	10.2	9.1	9.8	9.8	7.5	8.2	11.3	10.2	11.1
22	12.8	6.7	10	10.2	9.8	10.0	10.1	7.5	9.0	11.1	9.7	10.9
23	12.7	6.0	9.3	10.2	9.3	9.8	9.8	6.5	7.7	10.2	6.3	7.5
24	12.6	6.5	10.9	9.8	9.2	9.5	8.5	6.8	7.6	8.6	6.5	7.4
25	11.7	6.0	9.1	9.3	7.3	8.4	8.2	7.3	7.8	8.9	7.6	8.5
26	9.3	6.4	7.5	8.8	5.8	7.0	8.3	7.2	8.0	8.6	7.5	8.1
27	10.0	7.6	9.4	8.4	6.0	6.7	8.3	7.2	7.7	8.6	5.6	6.7
28	9.8	7.1	9.2	9.2	6.0	8.4	9.3	6.2	8.4	7.1	4.5	6.3
29	9.4	7.1	8.2	8.7	5.6	6.5	9.3	9.0	9.1	7.6	6.2	7.1
30	9.2	7.2	8.4	9.7	6.7	8.7	9.3	9.2	9.3	8.1	4.4	6.8
31	9.1	8.3	8.7	---	---	---	9.3	9.2	9.3	6.1	4.6	5.0
MONTH	12.8	1.6	6.3	10.2	5.6	8.5	11.3	4.8	8.4	12.5	4.4	9.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	4.9	5.7	7.0	5.3	5.9	1.5	0.7	1.1	10	5.7	7.7
2	7.5	5.4	6.3	6.7	6.1	6.5	0.8	0.05	0.2	10.5	7.6	9.4
3	7.4	5.5	6.4	6.7	5.5	6.2	2.0	0.06	0.4	9.8	6.0	8.3
4	6.7	6.0	6.2	6.4	5.3	6.0	1.9	1.2	1.5	7.3	6.3	6.7
5	6.8	6.0	6.6	8.6	4.9	6.9	1.6	0.9	1.2	8.0	6.3	7.2
6	6.7	5.3	6.1	10.1	4.5	8.3	1.0	0.6	0.8	8.1	5.6	7.4
7	7.0	5.4	6.1	10.2	7.0	9.6	2.4	0.08	0.7	8.8	5.4	6.2
8	7.0	5.9	6.5	9.7	2.3	6.3	1.1	0.06	0.3	9.2	6.6	8.8
9	6.9	6.5	6.8	9.2	6.7	7.3	1.6	0.09	0.3	8.8	7.3	8.4
10	7.6	5.6	6.5	7.1	4.5	6.1	6.6	0.4	1.9	8.1	5.9	7.4
11	8.0	5.8	6.8	7.3	5.4	6.8	6.5	4.5	5.6	6.7	4.9	5.9
12	11.5	6.7	9.5	6.7	5.5	5.9	5.3	1.2	2.2	7.0	4.6	6.1
13	11.9	7.1	10.6	6.5	5.5	6.3	1.9	1.1	1.5	6.5	2.6	4.1
14	11.2	7.5	9.7	5.8	4.7	5.1	1.9	1.5	1.7	5.9	3.2	4.7
15	11.1	8.0	9.8	5.3	4.4	5.0	2.9	1.4	2.1	5.7	4.5	5.1
16	12.2	10.4	11.5	5.8	4.5	5.2	3.6	2.0	2.6	6.1	4.3	5.4
17	12.0	11.7	12.0	5.6	4.3	5.0	3.2	0.6	1.9	5.5	2.6	3.6
18	12.2	6.1	10.7	5.8	4.8	5.1	4.1	2.9	3.6	4.2	2.9	3.7
19	11.6	6.8	9.3	6.0	3.6	5.3	3.9	2.0	3.3	3.7	2.6	3.0
20	10.9	6.7	9.4	6.2	5.1	5.8	6.4	3.8	5.0	3.5	1.2	2.5
21	11.1	6.7	9.5	6.2	5.1	6.0	9.8	6.4	8.3	3.2	1.9	2.5
22	10.5	6.7	8.0	6.1	2.3	4.4	10.2	7.4	9.5	4.5	2.5	3.5
23	9.2	6.3	7.2	5.2	1.6	3.6	9.5	4.2	6.7	4.9	3.9	4.7
24	7.7	6.0	6.9	4.2	1.8	3.4	8.7	5.5	7.4	4.9	2.7	4.0
25	7.8	6.1	6.8	3.5	2.3	2.9	9.0	6.3	7.1	4.4	2.7	3.3
26	9.0	6.7	7.8	3.4	2.2	2.6	7.1	6.5	6.8	4.8	2.8	3.9
27	8.8	6.2	7.6	2.6	1.4	2.0	10.7	6.1	7.8	5.6	3.4	4.6
28	7.1	5.3	6.3	1.8	0.06	0.9	12.2	6.4	10.7	5.9	4.7	5.6
29	---	---	---	1.8	0.06	0.8	12.0	10.2	11.5	6.5	4.5	5.9
30	---	---	---	1.6	0.9	1.2	11.5	5.5	8.4	7.6	6.4	7.1
31	---	---	---	1.4	0.9	1.2	---	---	---	7.6	3.7	6.2
MONTH	12.2	4.9	8.0	10.2	0.06	5.0	12.2	0.05	4.1	10.5	1.2	5.6

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED  
BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	4.3	4.5	8.8	7.8	8.4	8.1	7.4	7.7	9.0	8.4	8.6
2	5.9	4.1	5.2	10.3	8.8	9.8	7.6	7.1	7.3	9.7	8.4	8.7
3	5.8	4.8	5.5	10.2	6.7	8.2	8.6	7.2	7.7	10.6	9.0	10.2
4	5.9	5.7	5.8	7.6	6.4	6.9	8.9	8.6	8.7	9.8	8.4	9.0
5	6.0	5.6	5.8	7.9	6.8	7.6	8.6	7.7	8.2	9.3	8.5	9.0
6	6.1	5.2	5.9	8.2	7.6	8.0	8.8	7.8	8.3	9.4	8.7	8.9
7	7.6	5.4	7.1	8.8	8.2	8.5	8.9	5.5	7.6	9.3	8.4	8.8
8	10	7.5	9.1	8.3	6.2	7.1	6.1	5.4	5.8	9.2	8.6	8.8
9	10.2	7.3	8.7	8.6	7.4	8.1	7.3	5.6	6.3	8.9	8.2	8.5
10	8.5	4.7	6.4	9.0	8.3	8.8	8.6	7.0	8.1	9.3	8.3	8.8
11	7.5	4.1	5.3	9.0	8.2	8.8	9.0	8.5	8.8	---	---	---
12	5.5	4.6	5.0	10.0	9.0	9.4	10.2	8.8	9.7	---	---	---
13	8.2	4.7	5.8	10.5	7.8	9.5	10.6	9.3	10.1	---	---	---
14	10.9	8.2	10.0	9.5	8.3	9.3	10.8	9.8	10.5	---	---	---
15	12.2	10.7	11.5	9.1	7.8	8.5	12.4	10.7	11.5	---	---	---
16	12.8	11.5	12.4	8.8	8.0	8.4	13.0	12.4	12.7	---	---	---
17	13.1	12.7	12.9	9.0	8.3	8.7	13.7	12.6	13.2	---	---	---
18	12.8	11.5	12.5	9.3	8.8	9.1	13.7	12.8	13.5	---	---	---
19	12.4	6.7	8.4	11.1	9.3	10.4	13.1	10.7	12.6	---	---	---
20	7.6	6.0	7.1	12.4	10.7	11.5	13.0	10.7	12.6	10.2	8.3	9.5
21	9.8	6.5	7.6	12.8	11.1	12.3	13.3	12.0	13.0	10	7.5	8.7
22	10.4	9.1	9.9	12.8	11.2	12.4	13.7	13.1	13.6	9.0	8.0	8.5
23	9.7	7.0	8.4	12.6	9.2	12.1	13.7	13.5	13.7	9.9	8.4	9.0
24	7.8	7.0	7.4	12.4	8.1	9.6	13.7	13.6	13.7	10.9	8.2	9.9
25	7.9	7.1	7.6	11.9	8.0	10.0	13.6	7.6	9.1	9.7	8.0	8.3
26	8.0	7.2	7.7	11.5	9.2	10.4	8.3	7.7	7.9	8.8	8.0	8.5
27	8.3	7.6	8.0	11.2	9.6	10.5	8.5	8.0	8.3	8.8	7.6	8.3
28	8.1	7.6	7.9	10.6	6.9	9.3	8.6	8.2	8.5	8.9	8.4	8.6
29	7.7	6.4	7.1	8.0	6.5	7.4	8.8	8.3	8.6	9.0	8.2	8.7
30	7.8	6.7	7.3	7.9	7.1	7.5	9.2	8.6	8.9	8.9	8.0	8.6
31	---	---	---	7.9	7.5	7.7	9.7	8.1	8.8	---	---	---
MONTH	13.1	4.1	7.8	12.8	6.2	9.2	13.7	5.4	9.8	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	7.7	7.9	8.8	7.3	8.0	8.4	7.6	8.0	8.7	7.6	8.3
2	8.3	7.7	7.8	8.4	7.4	8.1	8.4	7.7	8.1	8.8	7.3	7.6
3	8.6	7.7	7.9	7.9	7.1	7.4	8.3	7.8	8.1	9.0	7.9	8.6
4	8.4	7.6	7.9	7.9	7.3	7.6	8.4	7.9	8.1	8.6	7.0	7.7
5	8.6	8.1	8.3	7.9	7.3	7.5	8.2	7.8	8.0	8.2	7.0	7.2
6	8.6	7.8	8.1	8.2	7.7	7.8	8.2	6.9	7.6	7.3	7.2	7.2
7	8.5	8.0	8.2	7.9	7.6	7.8	8.3	7.1	7.8	7.6	7.3	7.4
8	8.5	7.9	8.2	7.8	7.4	7.6	8.9	7.1	7.7	7.8	7.5	7.6
9	8.8	7.9	8.4	7.8	7.5	7.7	8.5	7.2	7.7	7.8	7.6	7.7
10	8.8	8.5	8.6	7.9	7.7	7.8	7.4	7.0	7.2	7.8	7.5	7.7
11	8.5	8.1	8.3	8.0	7.8	7.9	7.9	7.2	7.6	8.1	7.6	7.9
12	8.7	8.0	8.2	8.1	7.8	7.9	8.0	7.5	7.7	8.3	7.5	7.9
13	8.5	7.3	8.0	8.0	7.6	7.7	8.5	7.6	8.0	7.8	7.2	7.6
14	8.1	7.5	7.8	7.8	7.6	7.7	8.4	7.9	8.1	7.7	7.4	7.6
15	7.8	7.1	7.4	8.0	7.7	7.9	8.1	7.8	8.0	7.7	7.6	7.6
16	8.1	7.2	7.5	8.2	7.9	8.1	8.7	7.9	8.1	7.7	7.6	7.6
17	8.2	7.4	7.7	8.2	7.5	8.0	8.8	7.9	8.4	7.8	7.6	7.7
18	8.6	7.5	8.0	8.3	7.3	7.6	8.9	8.6	8.8	7.8	7.7	7.7
19	8.4	7.2	7.9	8.1	7.4	7.6	8.9	7.8	8.4	7.8	7.6	7.8
20	8.4	7.3	7.9	8.1	7.3	7.7	8.2	7.5	7.8	8.2	7.6	7.8
21	8.1	7.5	7.8	8.3	7.3	7.7	8.2	7.6	7.9	7.9	7.6	7.8
22	7.8	7.4	7.6	8.7	7.3	8.1	8.4	7.8	8.1	7.8	7.5	7.7
23	7.9	7.5	7.7	8.6	8.1	8.5	8.3	7.9	8.1	7.6	7.4	7.5
24	7.8	7.5	7.6	8.6	8.2	8.4	8.0	7.8	7.9	7.6	7.5	7.5
25	8.1	7.7	7.9	8.4	7.2	7.7	8.1	7.9	8.0	7.8	7.6	7.6
26	8.2	7.7	7.9	8.2	7.5	7.8	8.0	7.8	7.9	7.7	7.6	7.7
27	8.4	8.0	8.1	8.5	7.9	8.1	8.1	7.8	7.9	7.7	7.5	7.6
28	8.4	8.2	8.2	8.3	7.8	8.1	8.0	7.8	7.9	7.7	7.5	7.6
29	8.5	8.1	8.3	8.1	7.9	8.0	8.2	7.8	8.0	8.0	7.6	7.7
30	8.8	8.0	8.4	8.6	8.0	8.2	8.4	8.0	8.2	7.7	7.5	7.6
31	8.5	7.4	7.9	---	---	---	8.6	8.2	8.4	7.6	7.5	7.6
MONTH	8.8	7.1	8.0	8.8	7.1	7.9	8.9	6.9	8.0	9.0	7.0	7.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.5	7.6	8.2	7.8	8.0	7.9	7.4	7.6	8.2	7.6	7.7
2	8.0	7.5	7.7	8.1	7.9	8.0	7.7	7.1	7.3	8.5	7.6	8.0
3	8.1	7.8	7.9	8.2	7.8	8.0	7.5	7.1	7.4	8.4	7.7	8.1
4	8.1	7.9	8.0	8.6	8.0	8.2	7.8	7.3	7.5	8.3	7.9	8.1
5	8.1	7.8	8.0	8.4	7.9	8.2	8.2	7.5	7.8	8.1	7.5	7.7
6	8.3	7.9	8.1	8.5	8.2	8.3	8.3	7.5	7.8	7.5	7.4	7.4
7	8.4	8.2	8.2	8.6	7.9	8.5	7.7	7.2	7.4	7.8	7.4	7.5
8	8.6	8.1	8.4	8.4	7.2	7.7	7.3	7.1	7.2	8.3	7.4	7.8
9	8.5	8.2	8.4	8.4	7.5	7.8	7.4	7.1	7.3	8.7	7.9	8.3
10	8.3	7.8	8.1	8.5	7.9	8.2	7.8	7.3	7.4	8.8	8.3	8.6
11	8.0	7.8	7.8	8.7	7.3	8.2	8.3	7.3	7.6	9.2	8.5	8.8
12	8.0	7.7	7.9	8.3	7.4	8.0	8.1	7.6	7.9	9.2	8.6	8.9
13	8.2	7.9	8.0	8.8	8.0	8.2	7.8	7.6	7.7	8.9	8.1	8.7
14	8.3	8.0	8.1	8.5	8.1	8.3	7.8	7.6	7.7	8.6	7.9	8.3
15	8.5	8.0	8.2	8.8	8.2	8.5	7.8	7.4	7.6	8.6	7.6	8.3
16	8.5	8.2	8.3	8.6	8.3	8.5	7.8	7.5	7.7	8.8	7.3	8.2
17	8.4	8.2	8.3	8.3	7.9	8.1	7.8	7.5	7.6	8.9	7.6	8.6
18	8.2	7.8	8.1	8.0	7.6	7.8	7.8	7.2	7.5	8.9	8.3	8.7
19	8.3	7.9	8.1	8.0	7.8	7.9	8.2	7.2	7.6	8.9	8.6	8.7
20	8.5	8.3	8.4	8.2	7.7	7.9	7.4	7.0	7.1	8.8	7.4	8.0
21	8.4	8.2	8.3	8.2	7.7	8.0	7.3	7.0	7.1	8.7	7.7	8.2
22	8.5	8.2	8.4	8.3	7.9	8.2	7.2	7.0	7.1	8.9	7.6	8.5
23	8.5	8.4	8.5	8.0	7.4	7.6	7.3	7.1	7.2	8.8	8.5	8.6
24	8.5	8.3	8.4	8.2	7.4	7.7	7.6	7.2	7.4	8.9	8.4	8.7
25	8.4	8.1	8.3	8.4	7.8	8.1	8.0	7.4	7.7	8.6	7.7	8.1
26	8.4	8.0	8.2	8.4	7.8	8.0	8.3	7.6	7.9	8.3	7.2	7.9
27	8.4	8.1	8.3	8.2	7.4	7.8	8.3	7.7	7.9	8.3	7.3	7.9
28	8.3	7.9	8.1	7.6	7.0	7.3	8.4	7.8	8.1	8.0	7.3	7.7
29	---	---	---	8.0	7.0	7.5	8.3	7.2	7.8	8.7	7.7	8.2
30	---	---	---	8.6	7.5	7.9	8.2	7.7	7.9	8.4	6.8	7.6
31	---	---	---	8.4	7.7	8.0	---	---	---	8.1	7.4	7.8
MONTH	8.6	7.5	8.1	8.8	7.0	8.0	8.4	7.0	7.6	9.2	6.8	8.2

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	7.2	7.3	8.2	7.2	7.7	8.3	7.4	7.7	8.4	7.7	8.0
2	7.7	7.2	7.3	8.3	7.2	7.7	8.3	7.5	8.0	8.5	7.9	8.2
3	8.0	7.1	7.3	8.1	7.4	7.7	8.7	8.0	8.3	8.4	8.1	8.3
4	7.2	6.9	7.1	8.2	7.6	7.9	8.9	7.6	8.4	8.1	7.9	8.0
5	8.0	6.7	7.0	8.3	7.7	7.9	9.0	7.7	8.5	8.0	7.8	7.9
6	8.4	6.7	6.8	8.3	7.6	7.9	8.5	7.5	8.1	8.0	7.8	7.9
7	8.2	6.7	6.8	8.5	7.6	8.1	8.4	7.1	8.0	8.0	7.8	7.9
8	7.1	6.7	6.8	8.3	7.4	7.7	8.4	7.8	8.1	8.1	7.8	7.9
9	8.7	6.8	7.6	8.8	7.8	8.2	8.5	7.5	8.0	8.0	7.8	7.9
10	8.7	8.0	8.3	8.7	7.7	8.4	8.8	8.2	8.5	8.0	7.8	7.9
11	8.5	7.9	8.3	8.8	7.7	8.4	8.8	7.4	8.3	---	---	---
12	8.7	7.8	8.2	8.4	7.0	7.6	8.7	7.2	7.9	---	---	---
13	8.6	7.4	8.2	7.5	7.0	7.2	8.7	7.5	8.3	---	---	---
14	8.5	7.2	7.7	8.2	7.1	7.5	8.8	8.3	8.5	---	---	---
15	8.3	7.3	7.7	8.5	7.4	8.0	8.7	8.1	8.4	---	---	---
16	8.5	7.4	8.0	8.4	7.2	7.9	8.7	6.9	8.1	---	---	---
17	8.4	7.7	8.0	8.2	7.1	7.7	8.1	7.5	7.8	---	---	---
18	8.1	7.5	7.9	8.1	7.0	7.6	8.2	7.6	7.9	---	---	---
19	7.9	7.5	7.7	8.4	6.8	7.4	8.3	7.8	8.1	---	---	---
20	7.8	7.6	7.7	8.1	7.0	7.5	8.6	7.7	8.1	8.7	7.8	8.4
21	8.3	7.6	7.9	8.6	7.1	7.8	8.5	8.1	8.2	8.5	8.2	8.3
22	8.4	7.7	8.0	8.4	7.1	7.6	8.6	7.7	8.2	8.6	8.2	8.4
23	8.2	7.8	8.0	8.4	7.9	8.1	8.6	8.3	8.4	8.6	8.1	8.4
24	8.1	7.7	7.9	8.4	8.0	8.2	8.6	8.1	8.3	8.7	8.1	8.4
25	8.0	7.7	7.8	8.7	8.2	8.4	8.2	7.9	8.1	8.6	8.2	8.3
26	8.1	7.6	7.8	9.0	8.0	8.4	8.4	8.0	8.2	8.5	8.1	8.3
27	8.2	7.8	7.9	8.8	7.2	8.2	8.1	8.0	8.1	8.4	7.7	8.1
28	8.1	7.6	7.9	8.4	7.1	7.9	8.2	7.8	8.0	8.3	8.1	8.2
29	7.9	7.5	7.7	8.1	7.4	7.7	8.2	7.8	8.1	8.5	8.0	8.2
30	8.5	7.4	7.8	8.0	7.5	7.7	8.4	8.0	8.1	8.2	7.8	8.0
31	---	---	---	8.0	7.5	7.7	8.1	7.8	7.9	---	---	---
MONTH	8.7	6.7	7.7	9.0	6.8	7.9	9.0	6.9	8.1	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.5	7.7	7.7	6.5	6.7	8.1	7.2	7.6	7.5	7.3	7.4
2	7.7	7.4	7.6	7.2	6.5	6.7	8.0	7.4	7.7	7.3	7.2	7.2
3	7.7	7.3	7.5	7.5	6.5	6.7	8.3	7.3	7.8	7.3	7.0	7.2
4	7.8	7.2	7.5	7.4	6.9	7.2	8.2	7.3	7.8	7.1	7.0	7.0
5	8.2	7.2	7.7	7.3	7.0	7.1	8.1	7.3	7.5	7.3	7.1	7.2
6	8.1	7.3	7.7	7.4	6.8	7.1	7.5	7.2	7.3	7.3	7.1	7.2
7	8.2	6.9	7.6	7.4	6.8	6.9	7.6	7.2	7.3	7.5	7.1	7.2
8	8.3	7.1	7.7	7.6	6.8	7.2	7.6	7.2	7.3	7.2	7.0	7.1
9	8.1	7.3	7.6	7.6	7.3	7.4	7.4	7.2	7.3	7.6	6.9	7.2
10	8.5	7.6	8.0	7.7	7.5	7.6	7.5	7.2	7.4	7.2	6.9	7.0
11	8.4	7.5	8.2	7.7	7.5	7.6	7.6	7.3	7.4	7.3	7.0	7.1
12	8.0	6.9	7.4	7.5	7.4	7.4	8.0	7.3	7.7	7.2	7.0	7.1
13	7.6	7.0	7.1	7.7	7.4	7.6	8.3	7.3	7.6	7.3	7.0	7.1
14	7.3	7.0	7.1	7.9	7.6	7.7	8.4	7.6	8.1	7.6	7.1	7.5
15	7.2	7.0	7.1	7.9	7.7	7.8	8.2	7.9	8.1	7.7	7.5	7.6
16	7.4	7.2	7.3	7.9	7.4	7.7	8.0	7.8	7.9	7.7	7.5	7.6
17	7.4	7.2	7.3	7.7	7.4	7.5	7.8	7.3	7.5	7.7	7.5	7.6
18	7.4	7.2	7.2	7.4	7.3	7.3	7.6	7.2	7.4	7.7	7.5	7.6
19	7.4	7.1	7.2	7.4	7.2	7.3	7.2	7.0	7.1	7.7	7.5	7.6
20	7.3	7.2	7.2	7.4	7.2	7.2	8.1	7.0	7.8	7.5	7.5	7.5
21	7.3	7.2	7.3	7.4	7.2	7.3	8.2	7.6	7.8	7.5	7.3	7.4
22	8.2	7.3	7.6	7.3	7.2	7.2	8.4	7.4	7.7	7.3	7.2	7.3
23	8.2	7.3	7.7	7.2	7.1	7.1	8.4	7.2	7.9	7.5	7.3	7.4
24	7.9	7.3	7.4	7.2	7.0	7.1	8.1	7.3	7.9	7.8	7.5	7.6
25	8.1	7.4	7.6	8.0	6.9	7.3	8.2	8.0	8.1	7.8	7.6	7.7
26	8.1	7.4	7.8	8.0	7.4	7.6	8.2	7.9	8.1	7.7	7.4	7.5
27	7.8	7.2	7.4	8.4	7.5	8.2	8.2	7.9	8.0	7.6	7.4	7.5
28	7.8	7.4	7.4	8.2	7.5	7.7	8.0	7.6	7.8	7.7	7.4	7.5
29	8.0	6.5	7.2	8.2	7.3	7.9	7.9	7.7	7.8	7.9	7.6	7.7
30	7.6	6.6	6.9	8.2	7.3	7.5	7.7	7.6	7.6	7.7	7.4	7.6
31	7.2	6.6	6.7	---	---	---	7.6	7.5	7.5	7.7	7.5	7.6
MONTH	8.5	6.5	7.4	8.4	6.5	7.4	8.4	7.0	7.7	7.9	6.9	7.4
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.5	7.7	8.2	7.9	8.0	7.3	7.1	7.2	8.1	7.1	7.6
2	7.8	7.4	7.6	8.0	7.9	8.0	7.3	7.0	7.1	7.4	7.1	7.2
3	7.9	7.4	7.7	8.1	7.7	7.9	7.2	7.0	7.1	8.2	7.1	7.4
4	8.0	7.8	7.9	8.1	7.7	7.9	7.2	7.0	7.1	8.6	7.5	8.1
5	8.1	7.8	7.9	8.3	7.2	7.6	8.3	7.1	7.5	8.5	7.9	8.1
6	8.2	8.0	8.0	8.2	7.3	7.6	8.1	7.1	7.6	8.0	7.8	7.8
7	8.2	7.7	8.1	7.9	7.2	7.4	7.4	6.9	7.1	8.0	7.8	7.9
8	8.1	7.8	7.9	8.1	7.1	7.4	7.3	7.0	7.2	8.2	7.7	7.8
9	8.2	7.7	7.9	7.5	7.3	7.4	7.7	7.0	7.3	8.0	7.5	7.6
10	8.2	7.3	7.9	8.6	7.3	7.7	8.0	6.9	7.4	8.6	6.9	7.6
11	7.9	7.3	7.7	8.3	7.3	7.4	8.1	7.0	7.4	8.6	7.3	8.2
12	7.8	7.4	7.5	8.4	7.5	8.2	8.1	7.0	7.7	8.6	6.9	7.5
13	7.9	7.2	7.3	8.4	8.0	8.2	7.8	7.6	7.7	8.9	7.0	8.3
14	7.6	7.1	7.2	8.5	8.0	8.3	7.8	7.6	7.7	8.7	6.8	7.4
15	7.4	6.9	7.1	8.7	8.1	8.3	7.8	7.4	7.5	7.0	6.8	6.9
16	7.4	7.0	7.1	8.7	8.1	8.3	7.8	7.5	7.6	7.1	6.8	6.8
17	7.1	7.0	7.1	8.4	8.1	8.2	7.7	7.2	7.4	8.7	6.8	8.0
18	8.0	7.1	7.3	8.1	7.8	7.9	7.4	7.3	7.3	8.8	7.8	8.4
19	8.0	7.1	7.7	8.1	7.7	7.9	7.5	7.0	7.2	8.8	6.9	8.1
20	8.3	7.0	7.6	8.0	7.6	7.8	7.0	6.9	7.0	8.2	6.8	7.3
21	8.2	6.9	7.3	8.0	7.4	7.6	7.1	6.9	7.1	8.8	7.0	8.2
22	8.5	6.9	8.0	8.4	7.4	7.8	7.2	7.0	7.1	8.6	7.1	7.8
23	8.5	7.2	8.2	8.2	7.2	7.4	7.3	6.9	7.1	7.2	6.8	7.0
24	8.4	8.2	8.3	7.9	7.1	7.3	7.7	7.0	7.3	8.7	6.8	7.3
25	8.3	7.8	8.1	8.1	7.7	7.9	8.0	7.2	7.6	8.4	6.8	7.9
26	8.1	7.3	7.9	8.0	7.6	7.7	8.3	7.6	7.9	7.8	7.0	7.3
27	8.3	7.4	8.0	7.8	7.4	7.6	8.1	7.1	7.4	7.9	6.8	7.0
28	8.3	7.9	8.1	7.4	7.0	7.3	8.3	7.1	7.3	6.9	6.7	6.7
29	---	---	---	7.4	7.0	7.2	7.4	7.0	7.1	6.8	6.7	6.7
30	---	---	---	7.4	7.2	7.3	8.5	7.0	7.6	6.7	6.7	6.7
31	---	---	---	7.4	7.3	7.3	---	---	---	7.7	6.7	6.9
MONTH	8.5	6.9	7.7	8.7	7.0	7.7	8.5	6.9	7.4	8.9	6.7	7.5



## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.1	7.3	7.1	6.8	7.0	7.8	7.0	7.3	7.8	7.4	7.7
2	7.5	7.1	7.3	6.8	6.8	6.8	8.0	7.3	7.6	7.5	7.0	7.2
3	7.1	6.9	7.0	7.9	6.8	7.2	7.8	6.8	7.2	7.2	7.0	7.0
4	7.0	6.8	6.9	8.0	7.1	7.6	7.0	6.8	6.9	8.1	7.0	7.5
5	6.9	6.7	6.8	7.9	7.3	7.7	6.9	6.8	6.8	8.0	7.8	7.9
6	6.7	6.6	6.7	7.5	7.2	7.4	6.9	6.8	6.9	8.0	7.7	7.9
7	6.7	6.6	6.7	7.2	6.9	7.0	7.2	6.8	6.9	8.1	7.8	7.9
8	6.7	6.7	6.7	7.6	6.9	7.3	7.9	7.1	7.4	8.0	7.8	7.9
9	6.8	6.7	6.7	7.8	6.9	7.1	7.3	6.8	7.1	8.0	7.5	7.8
10	7.2	6.7	6.9	7.0	6.9	7.0	6.9	6.8	6.8	8.0	7.8	7.9
11	7.8	6.7	7.1	7.0	6.8	6.9	7.0	6.8	6.9	---	---	---
12	7.6	7.0	7.3	7.0	6.9	7.0	7.0	7.0	7.0	---	---	---
13	7.1	6.7	6.9	7.5	6.9	7.2	7.1	7.0	7.0	---	---	---
14	7.1	6.8	7.0	7.3	7.1	7.2	7.0	7.0	7.0	---	---	---
15	7.1	6.7	7.0	7.5	7.0	7.3	7.0	7.0	7.0	---	---	---
16	7.1	7.0	7.0	7.5	7.2	7.4	7.1	7.0	7.0	---	---	---
17	7.1	7.0	7.0	7.4	7.0	7.1	7.2	7.0	7.1	---	---	---
18	7.1	7.0	7.1	7.0	6.9	7.0	7.2	7.1	7.1	---	---	---
19	7.8	7.0	7.4	6.9	6.9	6.9	7.2	7.0	7.1	---	---	---
20	7.8	7.4	7.6	7.0	6.8	6.9	7.1	7.0	7.1	7.9	6.9	7.2
21	7.7	7.1	7.5	6.8	6.7	6.8	7.0	7.0	7.0	8.1	6.9	7.4
22	7.2	6.9	7.0	6.8	6.7	6.8	7.0	7.0	7.0	8.3	7.9	8.1
23	8.1	6.9	7.3	6.8	6.6	6.8	7.0	6.7	7.0	8.1	7.1	7.7
24	8.0	7.6	7.8	8.0	6.7	7.4	7.0	7.0	7.0	7.8	7.0	7.2
25	7.9	7.6	7.8	7.9	6.7	7.1	8.2	7.0	7.8	8.3	7.1	8.0
26	7.7	7.5	7.6	7.3	6.7	6.8	8.3	7.9	8.1	8.3	7.3	7.8
27	7.5	7.2	7.3	6.9	6.7	6.8	8.2	8.0	8.1	8.2	7.3	7.8
28	7.2	7.1	7.2	7.8	6.7	6.9	8.2	7.8	8.0	8.1	7.8	8.0
29	7.7	7.1	7.4	7.8	6.9	7.4	8.2	7.7	7.9	8.0	7.6	7.9
30	7.6	7.1	7.3	7.4	7.0	7.2	8.0	7.0	7.6	8.0	7.6	7.8
31	---	---	---	7.6	7.1	7.3	8.0	6.9	7.3	---	---	---
MONTH	8.1	6.6	7.2	8.0	6.6	7.1	8.3	6.7	7.2	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.7	24.2	24.5	20.5	19.1	19.6	13.7	12.5	13.0	6.0	5.6	5.8
2	25.4	24.4	24.7	20.6	19.6	20.1	12.8	12.1	12.5	6.5	6.0	6.2
3	26.0	24.5	25.0	20.2	19.6	19.8	12.5	11.9	12.2	7.6	6.1	6.5
4	25.4	24.6	24.9	20.6	19.5	19.8	12.6	11.4	12.0	7.6	6.2	6.7
5	25.6	24.6	25.0	19.7	18.6	19.2	12.1	11.0	11.6	8.5	6.5	7.5
6	24.6	23.5	24.1	18.6	17.7	18.0	12.2	11.9	12.0	9.0	8.2	8.6
7	23.5	22.7	23.1	18.1	16.9	17.5	13.5	11.8	12.5	10.1	7.4	9.0
8	22.9	21.9	22.4	17.5	16.8	17.2	15.6	13.3	13.9	11.6	9.4	10.2
9	24.3	22.0	22.7	16.8	15.2	15.9	14.6	13.7	14.0	11.9	10.7	11.1
10	23.5	22.4	22.8	15.2	14.3	14.7	15.2	14.0	14.6	11.5	10.8	11.1
11	22.7	21.7	22.2	15.3	13.8	14.4	14.8	13.3	14.2	12.3	10.1	10.9
12	22.3	21.0	21.5	15.4	14.8	15.1	13.3	12.1	12.7	12.6	10.2	11.0
13	22.3	21.5	21.8	15.3	14.2	14.8	12.8	12.1	12.4	12.5	10.7	11.5
14	21.9	21.2	21.6	14.2	13.0	13.6	12.1	10.7	11.2	13.7	12.2	12.9
15	22.1	20.5	21.3	13.0	12.2	12.6	10.7	8.9	9.8	12.6	11.2	11.9
16	21.4	19.4	20.3	12.4	11.9	12.2	9.3	8.0	8.7	11.2	9.8	10.5
17	20.3	18.8	19.3	12.2	11.4	11.7	9.0	7.8	8.4	9.8	8.0	9.0
18	19.9	18.6	19.3	13.2	11.7	12.6	9.5	8.6	9.0	8.0	6.0	6.9
19	21.1	19.3	20.2	13.1	12.2	12.7	10.1	9.2	9.6	6.8	5.2	6.0
20	21.1	20.7	20.9	13.3	12.6	12.9	9.4	6.7	7.9	6.8	4.6	5.6
21	20.8	20.2	20.5	13.9	13.0	13.4	7.2	6.2	6.7	5.7	5.0	5.4
22	20.2	19.2	19.7	14.6	13.2	13.8	7.4	6.5	6.9	6.4	4.4	5.1
23	19.4	18.4	18.9	14.8	14.0	14.5	8.4	7.0	7.6	5.5	4.0	5.0
24	18.5	17.4	17.7	15.4	14.6	14.9	8.4	7.7	8.2	4.0	3.1	3.5
25	17.4	17.1	17.2	15.5	14.4	15.2	7.7	6.9	7.4	4.0	3.1	3.5
26	17.6	16.7	17.2	14.4	13.2	13.7	6.9	5.5	6.5	4.6	3.4	3.8
27	17.4	16.5	16.9	13.2	12.6	12.8	5.6	4.8	5.1	4.7	3.9	4.2
28	17.9	17.0	17.4	13.5	12.7	13.1	5.1	4.0	4.4	4.0	3.2	3.5
29	17.6	17.0	17.2	13.1	12.4	12.7	5.6	4.4	5.1	3.3	2.1	2.7
30	18.6	17.3	17.9	12.7	12.1	12.4	5.6	5.1	5.4	3.6	2.7	3.2
31	19.8	18.4	18.9	---	---	---	6.0	4.9	5.5	3.9	3.3	3.6
MONTH	26.0	16.5	20.9	20.6	11.4	15.0	15.6	4.0	9.7	13.7	2.1	7.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.2	3.5	3.8	8.9	8.3	8.7	17.8	16.5	17.0	18.6	17.9	18.1
2	4.8	3.7	4.1	8.3	7.5	7.9	18.1	17.2	17.7	19.6	17.8	18.4
3	4.6	4.1	4.4	7.6	6.8	7.3	17.2	15.2	16.2	19.6	18.0	18.7
4	4.8	4.4	4.5	8.1	5.9	7.1	15.8	14.7	15.3	19.5	18.4	18.8
5	5.3	4.4	4.8	8.2	7.1	7.7	16.6	15.4	16.0	18.8	17.7	18.2
6	6.0	4.7	5.2	9.3	7.5	8.3	17.8	16.1	16.8	17.7	15.7	16.8
7	6.0	5.3	5.6	10.1	8.4	9.2	18.4	17.1	17.7	16.3	15.0	15.6
8	6.7	5.6	6.0	10.5	8.9	9.7	18.9	18.1	18.3	17.8	15.9	16.8
9	7.0	5.6	6.2	9.4	8.2	8.8	18.7	17.3	18.1	19.6	17.1	18.0
10	7.7	5.8	6.7	9.5	8.0	8.8	17.3	16.3	16.7	20.2	17.6	18.9
11	6.3	5.8	6.1	9.9	8.6	9.2	17.8	16.3	16.8	22.2	18.8	19.7
12	6.3	5.4	5.9	9.6	8.8	9.2	17.0	16.2	16.6	23.0	20.4	21.7
13	6.4	5.7	6.0	10.8	8.9	9.5	16.3	15.3	15.9	22.3	20.8	21.5
14	7.8	6.3	6.9	10.3	9.7	10	15.3	14.6	14.9	22.3	20.9	21.3
15	9.6	7.5	8.1	11.1	9.4	10.1	14.6	13.4	14.0	22.8	21.0	21.7
16	10.2	7.8	9.0	10.7	9.3	10.0	13.4	12.6	12.9	22.7	20.6	21.8
17	10.3	9.5	9.9	9.5	8.5	9.0	13.8	12.0	12.8	22.8	21.8	22.2
18	9.5	8.1	8.7	8.9	8.1	8.5	15.1	12.9	13.5	22.9	21.3	22.0
19	8.3	7.4	7.8	9.5	8.8	9.1	16.2	12.6	14.0	22.6	22.0	22.3
20	8.8	7.8	8.2	9.9	9.3	9.5	16.1	13.4	15.0	22.3	21.8	22.1
21	9.8	8.5	9.1	11.5	9.7	10.3	15.4	12.3	14.4	21.8	21.0	21.4
22	10.3	9.4	9.8	11.7	10.4	11.2	17.6	12.8	15.4	21.9	20.5	21.2
23	10.3	9.6	9.9	13.4	11.6	12.6	19.1	14.4	17.7	22.3	21.0	21.6
24	10.1	9.4	9.7	14.3	13.0	13.5	17.8	15.2	16.4	22.9	21.5	22.1
25	9.7	8.4	9.1	14.3	13.6	13.9	15.3	14.1	14.8	22.2	20.4	21.2
26	8.9	7.6	8.3	14.6	13.7	14.1	15.6	14.8	15.1	21.2	19.9	20.6
27	9.1	8.3	8.6	14.6	14.1	14.3	17.8	15.5	16.3	22.2	20.5	21.1
28	8.9	8.3	8.6	15.8	14.6	15.1	17.8	15.6	16.4	22.4	20.5	21.7
29	---	---	---	15.7	14.6	15.2	17.1	15.6	16.5	23.9	22.0	22.9
30	---	---	---	16.8	15.2	15.7	18.3	16.8	17.4	23.9	22.5	23.1
31	---	---	---	17.0	15.7	16.3	---	---	---	22.8	22.1	22.5
MONTH	10.3	3.5	7.2	17.0	5.9	10.6	19.1	12.0	15.9	23.9	15.0	20.5

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.3	21.4	21.9	29.0	26.4	27.3	29.9	28.4	28.9	29.8	28.4	29.0
2	22.3	21.0	21.5	29.2	27.0	27.7	30.7	28.5	29.5	30.6	29.0	29.8
3	22.8	21.7	22.0	29.1	27.4	28.0	30.8	28.3	29.3	30.8	28.7	29.4
4	22.3	21.7	22.0	29.8	27.6	28.5	31.2	28.7	29.6	28.8	27.9	28.4
5	23.5	21.6	22.1	30.1	28.1	28.9	31.4	29.4	30.1	27.9	27.0	27.4
6	25.9	21.5	22.2	31.1	28.1	29.3	30.6	29.3	29.9	27.0	26.2	26.6
7	25.9	21.6	22.6	31.0	28.7	29.5	30.0	28.2	29.4	26.4	25.7	26.1
8	24.1	21.4	22.5	29.5	27.9	28.6	29.5	28.7	29.0	26.6	25.6	26.0
9	27.4	22.8	25.5	31.5	28.6	29.5	29.5	28.5	28.9	26.4	25.4	25.9
10	28.2	26.7	27.2	31.1	29.0	29.7	30.7	28.5	29.2	26.1	25.1	25.6
11	27.5	26.7	27.1	30.2	29.2	29.6	30.8	29.3	29.7	---	---	---
12	28.6	26.5	27.4	30.5	28.3	29.2	31.2	28.5	29.7	---	---	---
13	28.3	26.9	27.5	29.2	27.9	28.5	32.0	30.0	30.7	---	---	---
14	28.8	26.3	27.3	28.2	27.2	27.8	31.3	30.2	30.8	---	---	---
15	29.5	26.1	27.4	29.4	27.5	28.2	32.4	30.2	31.0	---	---	---
16	30.7	27.6	28.9	30.9	27.5	28.8	31.6	30.1	31.0	---	---	---
17	29.2	27.5	27.9	29.6	27.7	28.4	31.4	29.6	30.3	---	---	---
18	28.1	26.6	27.3	30.0	27.9	28.8	30.7	29.3	29.9	---	---	---
19	27.4	25.9	26.4	30.6	28.1	29.0	32.0	29.2	30.3	---	---	---
20	26.0	24.5	25.3	31.2	28.0	29.3	33.5	30.1	31.0	29.1	26.5	27.5
21	26.1	24.0	25.0	31.7	28.4	29.6	32.5	30.7	31.4	27.9	27.0	27.4
22	26.7	24.3	25.4	30.9	27.9	29.1	32.6	30.5	31.2	29.9	26.6	27.6
23	26.2	25.0	25.6	31.4	29.2	30.0	31.6	30.3	31.0	30.7	26.8	28.0
24	27.1	25.3	26.1	30.6	29.8	30.2	30.3	28.7	29.5	29.2	26.6	27.4
25	26.5	26.0	26.2	31.9	29.0	30.0	28.7	27.7	28.2	27.9	26.7	27.2
26	27.0	25.8	26.2	33.1	29.4	30.7	28.2	27.1	27.6	27.7	26.3	27.1
27	28.0	26.4	27.0	31.8	30.2	31.1	27.7	27.0	27.3	27.4	26.4	26.9
28	27.7	27.1	27.4	32.8	30.0	30.9	28.3	26.8	27.5	27.2	25.9	26.6
29	27.3	26.5	26.8	30.8	29.8	30.2	28.8	27.5	28.1	28.4	25.4	26.6
30	28.3	26.3	26.9	30.8	29.7	30.1	29.7	28.0	28.6	26.9	25.3	26.0
31	---	---	---	30.0	28.7	29.4	29.8	28.4	29.0	---	---	---
MONTH	30.7	21.0	25.5	33.1	26.4	29.2	33.5	26.8	29.6	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS., BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.9	24.2	24.5	20.0	18.7	19.0	13.8	13.0	13.6	6.6	6.4	6.5
2	24.6	24.4	24.5	19.7	19.2	19.4	13.2	12.4	12.9	6.9	6.5	6.7
3	25.1	24.4	24.7	20.0	18.9	19.4	13.3	12.2	12.7	7.2	6.7	6.9
4	25.0	24.6	24.7	19.8	19.5	19.6	13.2	12.3	12.7	7.3	6.9	7.1
5	25.1	24.5	24.9	19.7	18.8	19.1	13.2	12.1	12.9	7.6	6.6	6.7
6	24.5	23.7	24.0	19.0	18.0	18.5	13.2	12.8	13.1	6.9	6.6	6.7
7	23.7	22.6	23.0	18.6	17.9	18.4	13.5	12.9	13.1	9.5	6.8	7.5
8	22.8	21.9	22.3	18.5	16.7	17.6	13.7	13.4	13.5	8.8	7.7	8.0
9	22.5	21.9	22.2	16.7	15.2	15.9	13.7	13.5	13.6	10.7	8.1	9.3
10	22.9	22.2	22.5	15.2	14.4	14.8	15.0	13.6	14.4	9.8	8.9	9.2
11	22.7	21.6	22.1	14.9	13.9	14.5	14.8	13.7	14.3	9.8	9.1	9.4
12	22.6	21.2	21.9	14.9	14.6	14.8	13.7	12.7	13.3	9.8	9.6	9.7
13	22.4	22.0	22.2	15.0	14.2	14.8	13.6	12.4	13.1	11.3	9.7	10.1
14	22.3	22.1	22.2	14.2	13.0	13.6	12.8	10.8	11.6	13.8	10.9	12.8
15	22.2	22.0	22.1	13.3	12.2	12.7	10.8	9.4	10	12.7	11.3	12.0
16	22.1	21.4	21.8	13.6	12.6	13.1	10.2	8.5	9.4	11.3	10.0	10.6
17	21.6	20.1	21.3	13.4	12.9	13.2	11.3	9.9	10.7	10.1	8.2	9.2
18	21.2	20.1	20.8	13.5	13.2	13.4	10.8	10.2	10.5	8.2	6.4	7.4
19	21.1	20.1	20.8	13.5	13.1	13.4	10.8	10.6	10.8	7.4	6.3	7.0
20	21.1	20.7	21.0	13.6	13.2	13.4	10.7	7.6	8.2	7.6	7.3	7.5
21	21.2	20.8	21.0	13.6	13.2	13.5	8.0	6.9	7.5	7.6	6.8	7.3
22	20.9	19.6	20.4	13.7	13.4	13.6	8.3	7.5	7.9	7.5	6.7	7.2
23	20.8	18.5	19.6	13.8	13.6	13.7	8.6	7.4	8.1	6.9	4.2	5.3
24	20.7	17.9	20.0	14.3	13.7	14.0	8.6	7.8	8.3	4.2	3.3	3.6
25	20.5	17.1	18.9	15.5	14.2	14.8	7.8	7.1	7.5	4.0	3.4	3.9
26	18.4	16.7	17.5	14.5	13.4	13.8	7.2	5.8	6.6	4.4	3.4	4.0
27	19.0	17.8	18.7	13.8	12.8	13.1	6.0	5.2	5.6	4.7	4.2	4.3
28	19.0	17.7	18.6	13.7	13.2	13.5	6.2	4.6	5.7	4.7	3.5	4.1
29	18.6	17.4	18.1	13.6	12.6	12.9	6.0	5.5	5.7	3.7	2.8	3.3
30	18.7	17.5	18.2	13.8	13.1	13.5	6.2	5.9	6.1	3.8	3.3	3.6
31	19.8	18.4	18.7	---	---	---	6.4	6.2	6.3	4.2	3.5	3.8
MONTH	25.1	16.7	21.4	20.0	12.2	15.2	15.0	4.6	10.3	13.8	2.8	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.4	3.7	4.1	9.0	8.4	8.8	17.0	16.2	16.7	18.1	16.6	17.6
2	4.4	4.2	4.2	8.4	7.6	8.0	18.1	16.8	17.7	17.6	16.3	16.8
3	4.6	4.2	4.4	7.8	7.2	7.5	17.2	15.4	16.2	18.5	16.9	17.5
4	4.9	4.5	4.7	7.8	7.2	7.6	15.8	14.6	15.3	19.3	17.9	18.6
5	5.3	4.5	4.9	8.2	7.5	7.9	16.6	15.5	15.9	18.9	17.7	18.2
6	5.8	5.1	5.3	8.2	7.9	8.1	17.1	16.2	16.4	17.7	15.7	16.8
7	5.8	5.4	5.5	9.5	8.0	8.3	18.4	15.9	17.2	15.7	15.0	15.3
8	5.8	5.5	5.7	10.6	8.4	9.6	18.4	17.6	18.1	16.8	15.5	15.9
9	6.0	5.8	5.9	9.4	8.2	8.7	18.6	17.4	18.1	16.6	16.0	16.3
10	7.1	5.9	6.4	9.0	8.1	8.5	17.4	16.1	16.5	19.6	16.5	17.3
11	6.5	5.9	6.2	9.8	8.6	8.9	16.8	16.2	16.4	19.5	18.3	18.8
12	6.2	5.8	5.9	9.6	8.7	9.3	17.2	16.3	16.6	20.3	17.7	18.5
13	6.3	6.0	6.1	10.0	9.4	9.6	16.3	15.3	15.9	22.0	18.1	20.8
14	6.8	6.2	6.3	10.0	9.8	9.9	15.3	14.6	15.0	21.3	18.9	19.9
15	6.8	6.5	6.6	10.2	9.5	9.8	14.6	13.4	14.0	20.1	18.7	19.3
16	6.8	6.3	6.5	9.9	9.3	9.7	13.4	12.7	12.9	20.3	18.8	19.2
17	7.4	6.5	6.7	9.5	8.5	9.0	13.0	12.0	12.6	22.4	19.4	21.5
18	8.6	6.6	7.3	9.1	8.1	8.5	13.7	12.6	13.1	22.4	21.3	21.6
19	8.2	7.5	7.8	9.4	8.8	9.0	13.9	12.6	13.2	22.3	21.1	21.9
20	8.8	7.7	8.0	9.4	9.2	9.3	13.6	12.8	13.1	22.2	21.0	21.6
21	9.3	7.9	8.3	9.8	9.3	9.4	12.8	12.0	12.2	21.8	21.0	21.4
22	10.0	8.3	9.3	11.7	9.4	10.5	14.1	12.2	12.6	21.3	21.0	21.1
23	10.3	9.1	9.8	13.3	9.9	11.4	17.2	13.2	15.3	21.1	20.9	21.0
24	10.0	9.5	9.7	14.0	11.2	12.0	16.0	14.4	15.2	22.2	20.9	21.4
25	9.8	8.6	9.1	14.2	13.3	13.7	15.2	14.3	14.8	21.8	20.4	21.1
26	9.0	7.8	8.4	14.5	13.6	13.8	15.5	14.8	15.0	20.4	19.8	20.1
27	9.0	8.4	8.7	14.3	14.0	14.2	15.7	14.3	15.1	20.8	20.0	20.4
28	8.9	8.4	8.7	15.8	14.1	14.9	15.9	14.6	15.0	20.9	20.4	20.6
29	---	---	---	15.6	14.6	15.1	15.5	14.9	15.0	21.1	20.6	20.7
30	---	---	---	16.1	15.2	15.6	18.2	15.1	16.8	21.0	20.8	20.8
31	---	---	---	16.6	15.7	16.0	---	---	---	22.7	20.8	21.4
MONTH	10.3	3.7	6.8	16.6	7.2	10.4	18.6	12.0	15.3	22.7	15.0	19.5

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS., BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.2	21.4	21.9	26.2	25.9	26.0	29.4	28.6	29.2	28.7	28.3	28.5
2	21.8	21.0	21.2	26.1	25.8	25.9	30.2	28.6	29.1	28.6	28.3	28.4
3	21.4	21.1	21.2	28.3	25.9	27.0	29.7	28.9	29.2	28.6	28.4	28.5
4	21.3	21.1	21.2	29.4	27.1	28.0	29.0	28.8	28.9	28.8	27.9	28.5
5	21.5	21.2	21.2	29.0	28.4	28.7	29.2	28.7	28.9	27.9	26.9	27.3
6	21.6	21.1	21.2	28.6	27.9	28.2	29.0	28.5	28.7	26.9	26.3	26.6
7	21.3	21.0	21.1	28.1	27.6	27.8	29.6	28.4	28.9	26.5	25.7	26.1
8	21.4	21.1	21.1	28.7	27.8	28.2	29.7	29.0	29.2	26.2	25.6	25.8
9	22.4	21.1	21.5	28.6	27.8	28.1	29.1	28.5	28.7	26.4	25.4	26.0
10	26.2	21.3	24.0	28.4	28.0	28.2	28.7	28.5	28.6	26.1	25.0	25.6
11	27.0	22.9	25.5	28.5	27.9	28.1	28.7	28.6	28.6	---	---	---
12	26.9	26.1	26.5	28.2	27.9	28.0	28.6	28.4	28.5	---	---	---
13	26.6	24.7	25.7	29.0	28.0	28.4	28.6	28.4	28.4	---	---	---
14	24.8	22.0	22.7	28.0	28.0	28.0	28.5	28.3	28.4	---	---	---
15	22.2	21.9	22.0	28.1	27.8	27.9	28.8	28.4	28.5	---	---	---
16	22.2	21.9	22.0	28.1	27.8	28.0	28.9	28.7	28.8	---	---	---
17	22.6	22.2	22.3	28.0	27.8	27.9	28.9	28.7	28.8	---	---	---
18	23.7	22.4	22.8	28.1	27.8	28.0	29.0	28.8	28.9	---	---	---
19	26.5	22.9	25.4	28.4	28.1	28.3	29.2	28.8	28.9	---	---	---
20	25.7	24.8	25.2	28.4	28.2	28.3	29.2	28.7	28.8	26.9	25.2	25.9
21	24.9	24.0	24.5	28.3	28.1	28.2	28.9	28.6	28.7	27.3	25.5	26.4
22	24.4	24.0	24.2	28.4	28.1	28.2	29.0	28.6	28.8	27.8	26.5	27.1
23	26.1	24.1	24.8	28.6	28.2	28.2	29.2	28.8	28.9	27.6	26.4	27.1
24	26.9	25.5	26.0	29.7	28.2	28.9	29.0	28.9	29.0	27.2	26.1	26.5
25	26.5	26.0	26.2	29.7	28.1	28.8	28.9	27.8	28.3	27.9	26.6	27.2
26	26.2	25.8	26.0	29.1	28.2	28.6	28.0	27.1	27.5	27.5	26.6	27.0
27	26.0	25.8	25.8	29.2	28.3	28.7	27.7	27.1	27.4	27.2	26.5	26.8
28	26.3	25.7	25.9	30.7	28.2	28.9	28.1	26.9	27.4	26.9	26.0	26.5
29	26.9	25.9	26.6	30.7	29.3	30.0	28.5	27.5	27.9	26.5	25.8	26.1
30	26.8	26.1	26.4	30.0	29.4	29.7	28.3	27.7	28.0	26.5	25.7	25.9
31	---	---	---	29.7	29.4	29.6	29.6	27.9	28.6	---	---	---
MONTH	27.0	21.0	23.7	30.7	25.8	28.2	30.2	26.9	28.6	---	---	---

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	6.9	7.2	12.0	5.3	8.1	11.9	9.1	10.2	15.4	10.1	13.6
2	8.4	6.8	7.3	10.0	5.8	8.3	11.9	9.5	10.5	17.0	8.3	10.3
3	8.6	6.5	7.3	7.5	4.5	6.0	11.4	9.9	10.7	18.6	12.0	15.7
4	8.3	5.7	6.8	8.2	6.0	7.0	12.1	10.2	11.1	15.6	6.5	10.6
5	8.3	7.0	7.7	8.6	5.9	7.2	11.7	10.6	11.2	12.1	6.0	7.7
6	7.6	6.2	6.7	9.8	8.0	8.6	11.7	5.2	9.3	8.9	7.8	8.2
7	8.7	6.1	7.2	8.7	7.5	8.3	11.3	5.4	9.4	10.0	8.5	9.3
8	8.6	7.3	7.9	8.4	6.8	7.7	15.0	6.0	9.0	10.3	9.3	9.8
9	10.0	7.2	8.7	8.8	7.3	8.3	12.3	6.6	8.9	10.5	9.7	10.0
10	9.6	8.7	9.1	9.4	8.5	9.0	8.0	4.5	6.7	10.7	9.5	10.2
11	8.8	8.1	8.4	9.9	9.0	9.3	9.8	7.2	8.7	10.5	8.7	10
12	9.5	7.8	8.4	10.3	9.0	9.5	9.8	8.5	9.2	10.9	8.3	9.5
13	8.9	5.9	8.0	9.7	8.5	8.8	12.1	8.4	10.0	9.7	6.6	8.6
14	8.7	7.2	7.9	9.6	8.6	9.1	11.9	9.8	10.3	8.9	7.7	8.4
15	8.2	3.9	6.7	10.4	9.4	9.9	11.0	9.7	10.4	9.3	8.3	8.8
16	8.9	5.8	7.1	10.9	10.1	10.4	15.0	10.3	11.5	9.6	9.0	9.2
17	9.9	6.6	8.0	11.0	8.3	10.2	15.8	10.2	12.9	10.4	9.3	9.8
18	10.6	7.0	9.0	11.4	7.2	8.6	15.7	14.0	14.8	11.2	10.1	10.7
19	9.7	5.6	8.3	10.5	7.2	8.5	16.0	8.8	12.4	11.4	9.8	10.8
20	9.0	6.2	8.0	10.5	6.5	8.7	10.8	8.7	10.1	13.4	9.8	11.2
21	8.3	6.4	7.4	11.1	7.3	9.0	11.8	10.1	10.8	12.1	11.4	11.8
22	7.8	6.4	7.0	12.7	7.2	10.3	13.0	10.7	11.6	12.1	10.5	11.5
23	8.5	7.0	7.6	12.1	10.1	11.5	12.8	11.1	11.8	11.7	10.6	11.0
24	8.8	7.5	8.0	11.8	9.8	10.9	11.2	10.4	10.9	12.2	11.3	11.8
25	9.7	8.0	8.7	10.4	6.5	8.3	11.5	10.7	11.1	12.7	11.8	12.2
26	9.9	8.2	8.7	10.4	8.1	9.3	11.3	10.9	11.1	12.9	12.3	12.6
27	10.8	9.1	9.8	11.8	9.6	10.3	12.4	11.2	11.7	12.9	12.4	12.7
28	10.7	9.7	10.2	11.0	9.4	10.2	12.8	11.5	12.2	13.2	12.5	12.8
29	10.8	9.5	10	10.7	9.8	10.2	12.9	11.4	12.3	13.9	12.7	13.3
30	11.6	7.4	9.7	13.0	10.2	11.2	13.9	12.0	13.1	13.6	12.9	13.2
31	10.3	5.7	7.7	---	---	---	15.2	12.8	13.8	13.5	12.9	13.2
MONTH	11.6	3.9	8.1	13.0	4.5	9.1	16.0	4.5	10.9	18.6	6.0	10.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.7	13.0	13.4	10.9	10.1	10.5	9.9	8.9	9.4	10.0	8.4	8.8
2	14.1	12.9	13.5	10.8	10.2	10.5	9.2	8.2	8.5	11.5	7.9	9.7
3	14.4	13.2	13.8	11.6	10.3	11.0	9.0	8.2	8.6	10.7	8.6	9.5
4	13.7	13.2	13.4	13.5	11.1	11.8	9.6	8.5	9.0	9.9	8.8	9.5
5	13.7	13.0	13.3	12.4	10.7	11.7	10.6	9.1	9.8	9.2	7.8	8.3
6	14.3	13.1	13.7	12.5	11.1	11.7	10.7	9.5	10.1	8.4	7.6	8.0
7	14.4	13.6	13.9	12.3	9.9	11.7	9.9	8.8	9.4	9.8	8.0	8.9
8	15.1	13.5	14.3	10.6	7.8	9.6	9.2	8.6	8.9	11.1	8.4	10.0
9	14.8	13.7	14.5	11.9	9.1	10.0	9.3	8.6	8.9	12.6	9.6	11.0
10	14.1	11.8	13.1	13.0	10.4	11.7	10.2	8.9	9.3	12.5	9.6	11.2
11	12.2	11.7	11.9	13.8	8.8	11.8	10.8	9.1	9.7	12.5	9.8	10.9
12	12.7	11.6	12.2	11.5	9.0	10.7	10.4	9.8	10.1	12.3	9.2	10.6
13	13.6	12.3	12.7	13.4	10.4	11.2	10.0	9.4	9.7	10.0	8.4	9.3
14	13.9	12.3	12.9	11.9	10.8	11.4	10.2	9.3	9.8	9.1	7.7	8.4
15	13.7	12.2	12.7	13.4	11.0	12.1	10.4	9.4	9.9	9.3	6.6	8.2
16	13.7	12.6	13.2	12.5	11.2	12.0	10.8	9.9	10.4	10.2	5.4	8.2
17	12.9	12.1	12.5	11.2	10.3	10.8	11.3	10.2	10.7	9.5	7.7	8.6
18	12.1	11.0	11.6	11.3	10.3	10.8	11.4	10.0	10.6	11.2	7.6	9.4
19	12.3	10.9	11.5	11.5	10.9	11.3	11.9	9.4	10.5	10.7	9.5	9.9
20	12.8	11.8	12.3	11.8	10.6	11.2	10.0	7.3	9.0	9.9	7.7	8.7
21	12.5	11.4	11.9	11.7	10.2	11.4	8.8	5.9	7.7	9.6	7.5	8.4
22	12.3	11.1	11.7	12.0	11.2	11.6	9.0	6.4	7.4	10.4	6.8	9.3
23	12.1	11.2	11.8	11.2	9.9	10.4	8.5	6.9	8.1	10.1	8.5	9.3
24	11.3	10.5	11.0	11.0	9.5	10.1	9.4	7.9	8.7	10.3	8.4	9.2
25	10.9	10.2	10.5	11.2	10.1	10.6	10.5	8.5	9.5	8.5	7.3	7.8
26	11.8	10.1	11.0	11.1	10.2	10.5	11.5	9.3	10.3	9.0	6.3	8.0
27	11.9	10.8	11.4	10.5	9.8	10.1	10.9	9.0	10	9.4	7.0	8.3
28	11.2	10.2	10.6	9.8	8.5	9.3	11.9	9.5	10.4	8.8	7.0	8.0
29	---	---	---	10.1	8.6	9.3	11.4	6.6	9.5	10.5	8.0	9.3
30	---	---	---	11.0	9.3	9.9	10.4	9.1	9.6	9.5	4.1	7.6
31	---	---	---	10.4	9.5	10	---	---	---	8.9	7.8	8.3
MONTH	15.1	10.1	12.5	13.8	7.8	10.9	11.9	5.9	9.4	12.6	4.1	9.1

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	7.3	7.7	8.2	5.8	7.0	9.4	5.7	7.1	8.7	5.0	6.4
2	9.0	7.1	7.8	8.6	4.0	6.3	10.4	6.1	7.9	9.6	5.9	7.8
3	9.7	7.0	8.0	7.7	5.1	6.3	11.1	8.2	9.5	8.5	6.5	7.5
4	7.4	5.5	6.6	7.9	5.9	7.0	11.1	5.2	8.8	6.7	6.0	6.3
5	9.8	2.5	5.7	8.1	6.1	7.1	11.2	6.2	8.6	6.7	5.5	6.1
6	8.9	1.6	2.9	8.5	6.2	7.2	8.5	5.1	7.1	6.9	6.0	6.4
7	8.2	0.1	2.4	9.5	5.6	7.6	7.8	3.9	6.7	7.5	6.1	6.7
8	3.4	0.0	1.1	8.3	4.9	6.2	7.4	6.0	6.8	8.0	6.4	7.1
9	9.0	0.1	4.7	12.4	6.4	8.4	8.4	4.9	6.5	7.8	6.5	7.1
10	9.2	7.1	7.8	10.4	6.3	8.8	10.5	7.1	8.3	7.7	6.6	7.1
11	8.2	6.8	7.6	11.3	5.9	8.3	9.1	4.2	7.4	---	---	---
12	8.6	6.1	7.3	9.4	1.9	5.5	9.4	3.0	6.2	---	---	---
13	8.4	4.7	7.2	5.8	0.6	3.3	8.9	4.5	7.2	---	---	---
14	8.1	3.9	6.0	8.4	3.8	5.6	9.4	7.0	7.7	---	---	---
15	8.3	4.6	6.2	10.8	5.8	7.8	8.8	6.5	7.7	---	---	---
16	8.4	5.5	7.1	9.5	5.0	7.5	8.6	0.5	6.6	---	---	---
17	7.9	6.3	7.0	8.6	4.0	6.8	7.5	5.3	6.2	---	---	---
18	8.0	6.1	7.3	8.3	3.6	6.3	7.5	5.8	6.7	---	---	---
19	7.5	6.1	6.9	10.5	1.6	5.6	7.8	5.8	6.7	---	---	---
20	7.5	6.8	7.1	8.2	2.7	5.5	9.2	5.9	7.0	10.8	7.6	9.2
21	9.0	6.8	7.8	11.0	2.4	6.3	8.6	6.6	7.2	8.9	7.5	8.2
22	9.4	7.2	8.0	9.0	2.4	5.3	9.0	4.7	6.8	9.8	7.2	8.4
23	8.3	7.2	7.8	9.1	5.7	7.1	8.4	6.5	7.3	10.4	7.1	8.5
24	8.2	7.0	7.6	8.7	6.6	7.5	8.4	6.1	7.0	10.6	7.1	8.3
25	7.6	7.0	7.3	10.5	7.0	8.1	7.0	5.8	6.3	9.2	6.8	7.7
26	8.6	6.8	7.4	14.7	6.4	8.6	7.8	5.7	6.6	8.0	6.5	7.4
27	8.9	7.4	7.9	12.4	4.3	8.2	6.7	5.7	6.4	8.2	5.3	6.8
28	8.6	7.0	7.9	9.2	2.8	6.6	6.9	5.1	6.1	8.5	6.4	7.4
29	8.2	7.1	7.4	8.0	4.8	6.0	6.9	4.8	6.2	9.9	6.4	7.8
30	10.9	6.7	7.9	7.3	5.5	6.5	8.0	5.8	6.6	7.9	6.2	6.8
31	---	---	---	7.7	6.3	6.8	6.5	5.0	5.8	---	---	---
MONTH	10.9	0.0	6.7	14.7	0.6	6.8	11.2	0.5	7.1	---	---	---

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.2	6.6	8.2	0.0	2.2	9.9	4.5	7.0	9.0	8.2	8.4
2	6.7	5.3	6.0	6.0	0.0	1.8	9.6	7.0	8.5	8.3	6.7	7.4
3	6.7	4.7	5.6	7.2	0.0	2.1	10.9	6.2	8.8	7.8	5.2	7.1
4	6.5	2.9	5.3	7.0	4.8	6.2	10.3	5.5	8.3	6.5	4.8	5.7
5	7.0	3.2	5.7	7.6	5.5	6.6	9.8	5.0	6.7	8.0	5.9	7.2
6	6.8	3.9	5.8	7.6	3.5	6.1	7.0	4.3	5.5	8.2	7.5	7.9
7	8.5	4.9	6.5	8.0	3.3	4.4	7.7	4.2	5.4	9.4	7.3	8.0
8	8.8	5.5	7.5	8.3	2.7	6.2	7.7	4.4	5.7	8.0	6.4	7.0
9	8.3	6.2	7.3	9.0	7.2	8.2	5.8	5.0	5.4	9.7	5.3	7.5
10	9.2	7.1	8.2	9.2	8.2	8.8	7.0	4.0	5.6	7.8	5.1	6.0
11	9.0	6.4	8.3	9.2	8.2	8.7	7.2	4.3	5.9	7.6	5.6	6.4
12	8.1	1.0	5.2	8.4	7.2	7.8	8.9	3.9	7.1	6.3	4.5	5.3
13	6.9	2.0	3.1	9.2	7.2	8.6	10.5	3.6	6.4	7.2	4.3	5.6
14	5.5	1.2	2.1	9.8	8.7	9.2	10.4	6.9	9.0	8.9	6.1	8.5
15	3.0	1.3	2.0	10.2	9.2	9.7	10.6	9.0	9.7	9.3	8.6	9.0
16	4.4	1.5	2.5	9.9	7.4	8.9	10.2	8.5	9.5	9.4	9.1	9.3
17	4.8	1.5	2.3	9.0	7.4	8.4	8.7	6.1	7.2	10.3	9.0	9.6
18	4.5	1.0	2.3	7.8	7.1	7.4	7.4	5.2	6.5	10.8	9.2	10.1
19	4.2	0.5	1.9	7.8	6.8	7.2	5.2	4.4	4.8	10.8	9.4	9.9
20	2.6	0.0	0.6	7.8	6.0	6.9	10.3	4.8	9.3	9.4	9.0	9.2
21	1.6	0.0	0.2	7.8	5.6	6.2	11.1	8.1	9.5	9.2	8.1	8.6
22	7.9	0.0	3.6	6.1	5.0	5.5	12.0	7.3	9.0	8.5	7.4	8.1
23	8.5	0.0	4.7	5.7	4.2	4.8	12.0	4.9	9.7	11.1	7.9	10.3
24	8.0	0.0	1.8	5.5	2.7	4.0	10.7	7.2	9.9	11.7	11.1	11.3
25	8.9	0.3	4.3	8.9	2.2	5.4	11.0	10.3	10.6	11.7	10.8	11.2
26	8.8	3.8	7.7	9.3	7.6	8.6	10.8	10.5	10.7	11.6	10.1	10.9
27	7.8	0.1	3.3	11.3	6.2	9.9	11.7	10.3	11.0	12.3	10.1	11.5
28	11.2	0.5	2.7	10.4	7.0	8.0	11.5	9.6	10.3	12.3	11.0	11.9
29	11.8	1.1	5.3	10.2	5.8	9.2	10.8	9.8	10.4	12.9	11.9	12.4
30	8.5	1.9	4.4	10.4	5.3	6.7	10.1	9.4	9.7	12.7	11.3	12.0
31	7.0	1.8	2.9	---	---	---	9.5	8.9	9.2	12.6	12.0	12.5
MONTH	11.8	0.0	4.4	11.3	0.0	6.8	12.0	3.6	8.1	12.9	4.3	8.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.9	11.8	12.5	10.9	9.9	10.4	11.3	8.6	9.9	9.3	2.4	7.1
2	12.9	11.6	12.4	10.6	10.2	10.4	9.9	8.5	9.0	5.9	0.6	2.5
3	13.0	11.3	12.4	11.5	10.2	10.7	9.5	8.7	9.1	9.6	1.1	4.2
4	12.8	12.4	12.6	11.3	9.8	10.7	9.9	8.5	9.1	10.4	5.4	8.7
5	12.7	12.1	12.4	11.8	7.0	9.1	10.4	8.4	9.4	9.8	8.4	9.0
6	13.3	12.5	12.7	11.4	7.7	9.0	10.2	7.5	9.1	9.0	8.2	8.6
7	13.3	11.7	12.8	9.9	7.4	8.0	9.1	4.9	7.7	9.4	7.8	8.8
8	12.9	11.7	12.3	9.9	6.9	8.9	---	---	---	9.8	7.0	7.6
9	13.3	11.5	12.2	9.3	8.0	8.7	---	---	---	8.8	4.7	6.1
10	13.3	10.2	11.8	12.3	7.8	9.6	---	---	---	10.7	4.2	6.0
11	11.6	10.0	11.2	10.9	6.9	8.1	---	---	---	10.7	6.1	9.0
12	11.7	9.7	10.3	11.7	9.0	10.8	---	---	---	10.3	1.6	5.9
13	11.9	8.5	9.3	11.8	10.3	11.0	---	---	---	10.1	3.2	8.3
14	10.8	7.7	8.8	12.0	10.1	11.4	---	---	---	9.3	1.0	4.5
15	9.5	5.9	7.9	12.8	10.5	11.3	---	---	---	4.1	0.8	1.9
16	9.4	6.6	7.5	12.5	10.6	11.4	---	---	---	4.5	0.5	1.2
17	7.9	6.6	7.2	11.6	10.6	11.3	---	---	---	9.6	0.9	7.0
18	11.4	7.4	8.8	11.9	10.8	11.4	---	---	---	10.8	6.5	8.3
19	11.1	7.6	10.2	11.9	10.4	11.4	---	---	---	9.3	2.3	7.0
20	12.2	6.8	9.8	11.6	10.2	11.0	7.3	5.3	6.4	8.5	1.9	4.8
21	12.1	5.4	8.2	12.2	9.1	10.1	7.0	6.0	6.6	9.2	3.0	8.0
22	12.3	5.6	10.5	12.8	8.9	10.7	7.4	5.8	6.4	8.5	4.9	6.7
23	12.2	7.4	11.0	12.4	7.6	9.2	8.1	5.0	6.8	5.2	2.2	3.6
24	11.4	10.5	11.0	11.7	6.7	8.7	9.3	5.3	7.2	8.7	1.4	4.9
25	10.7	9.5	10.3	12.2	10.7	11.5	10.2	6.3	8.8	8.1	2.1	7.1
26	10.8	7.4	9.7	12.2	10.4	11.2	11.3	8.8	10	7.7	4.5	6.2
27	11.4	7.3	10.2	11.6	9.9	10.9	10.4	2.7	6.7	8.0	2.0	4.2
28	11.2	10.2	10.6	11.0	9.4	10.1	10.6	3.0	5.0	3.4	0.8	1.5
29	---	---	---	11.5	9.5	10.3	6.3	1.5	3.2	3.0	0.3	0.8
30	---	---	---	11.4	9.3	10.5	10.4	1.3	6.0	1.0	0.2	0.4
31	---	---	---	11.3	10.1	10.8	---	---	---	8.4	0.1	2.6
MONTH	13.3	5.4	10.6	12.8	6.7	10.3	---	---	---	10.8	0.1	5.6



## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	5.6	7.2	2.7	0.1	0.9	6.3	0.7	2.3	5.7	3.8	4.9
2	8.1	6.1	7.2	0.3	0.0	0.1	7.4	2.0	4.5	4.0	0.6	2.4
3	6.4	4.2	4.9	6.9	0.0	2.9	6.3	0.5	3.0	2.0	0.0	0.2
4	4.3	2.6	3.5	7.3	1.1	5.4	0.5	0.0	0.3	6.6	0.0	3.6
5	4.1	1.3	2.4	6.9	3.8	5.3	0.1	0.0	0.0	6.7	5.5	6.2
6	3.2	0.4	0.9	5.2	2.8	3.9	0.1	0.0	0.0	7.0	5.7	6.4
7	0.8	0.0	0.2	2.8	0.9	1.5	3.8	0.0	0.6	7.6	5.9	6.6
8	0.2	0.0	0.1	5.8	0.6	3.8	5.4	2.2	3.5	7.0	5.9	6.5
9	0.1	0.0	0.1	6.1	0.3	2.2	4.5	0.1	2.3	7.2	4.3	5.6
10	4.9	0.0	2.3	2.0	0.0	0.9	1.7	0.0	0.4	7.1	6.2	6.7
11	6.7	0.1	3.7	0.9	0.0	0.1	0.6	0.0	0.1	---	---	---
12	6.6	3.1	5.0	0.1	0.0	0.0	0.1	0.0	0.0	---	---	---
13	4.2	0.1	2.3	4.9	0.0	1.9	0.1	0.0	0.0	---	---	---
14	0.2	0.0	0.1	3.2	0.2	1.5	0.1	0.0	0.0	---	---	---
15	0.4	0.0	0.1	4.0	0.1	1.3	0.0	0.0	0.0	---	---	---
16	0.2	0.0	0.1	3.3	0.2	1.4	0.0	0.0	0.0	---	---	---
17	0.2	0.0	0.1	1.2	0.0	0.3	0.0	0.0	0.0	---	---	---
18	0.1	0.0	0.1	0.1	0.0	0.1	0.3	0.0	0.1	---	---	---
19	7.2	0.0	4.4	0.1	0.0	0.1	0.1	0.0	0.1	---	---	---
20	7.2	5.2	6.5	0.5	0.0	0.1	0.1	0.0	0.1	7.3	1.2	3.5
21	7.0	2.0	5.7	0.2	0.0	0.0	0.1	0.0	0.1	7.9	1.0	4.2
22	4.3	0.4	1.6	0.1	0.0	0.0	0.1	0.0	0.1	8.6	6.2	7.4
23	7.7	1.3	4.2	1.0	0.0	0.1	0.2	0.0	0.1	7.4	2.1	5.3
24	7.6	6.0	6.7	6.5	0.0	3.1	0.1	0.0	0.1	5.8	0.8	2.6
25	7.1	5.9	6.8	6.6	0.0	1.4	6.9	0.0	4.4	8.3	2.0	6.7
26	6.8	5.6	6.3	3.2	0.0	0.1	7.4	5.2	6.4	7.3	1.6	5.0
27	5.6	3.5	4.7	0.3	0.0	0.1	6.9	5.9	6.5	7.5	2.0	5.6
28	3.6	1.6	2.8	5.4	0.1	0.6	7.2	5.1	6.1	7.8	5.9	6.6
29	6.6	1.6	3.9	5.8	0.9	4.1	7.2	4.9	6.1	6.7	5.0	5.9
30	5.9	2.2	3.9	4.0	0.4	1.9	6.5	1.1	4.5	7.1	4.5	5.9
31	---	---	---	5.1	0.6	2.2	6.2	0.1	2.5	---	---	---
MONTH	8.1	0.0	3.3	7.3	0.0	1.5	7.4	0.0	1.7	---	---	---

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	83	87	134	57	88	113	88	97	124	81	109
2	103	82	88	111	64	92	113	89	99	138	67	83
3	106	79	88	83	49	66	106	92	100	151	97	128
4	101	69	82	92	66	77	114	95	103	127	54	87
5	102	84	93	94	64	78	109	98	103	104	49	65
6	91	73	80	105	84	91	109	48	86	77	66	70
7	102	71	85	91	78	88	107	52	88	89	72	81
8	100	84	92	88	71	81	147	58	88	94	84	87
9	120	83	101	89	75	84	121	64	87	97	88	91
10	113	101	106	93	84	89	78	44	66	97	86	92
11	102	92	97	98	87	92	96	71	85	98	78	90
12	110	88	95	103	89	95	93	81	87	102	74	87
13	102	68	91	97	84	87	114	79	94	89	60	79
14	99	82	90	93	83	88	109	88	94	84	73	80
15	92	45	76	97	89	93	97	86	92	85	78	82
16	98	65	79	102	94	97	131	89	99	85	81	83
17	108	73	87	102	77	95	134	88	110	90	82	85
18	115	76	97	106	68	81	138	120	128	91	85	88
19	107	63	92	99	68	80	140	78	109	90	80	87
20	101	70	90	99	62	82	92	76	86	106	80	89
21	93	71	82	107	70	86	97	83	88	96	90	93
22	86	70	77	125	69	100	108	88	95	95	84	90
23	92	76	82	119	98	113	106	95	99	90	83	86
24	92	79	84	118	98	109	96	89	92	92	86	89
25	101	83	91	104	65	83	96	89	92	97	89	92
26	103	85	91	101	79	90	93	89	90	100	93	96
27	113	94	101	112	91	97	97	88	92	100	95	98
28	113	102	106	106	89	97	98	90	94	99	94	96
29	113	100	104	102	92	96	103	89	97	104	95	98
30	124	79	102	122	96	105	110	96	104	101	96	99
31	112	61	83	---	---	---	120	103	109	103	97	100
MONTH	124	45	90	134	49	90	147	44	95	151	49	90
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	98	102	94	87	90	104	92	97	107	89	93
2	110	98	104	92	85	88	97	85	89	123	84	104
3	112	102	106	97	85	91	91	85	88	117	91	102
4	106	102	104	111	91	97	97	84	90	108	95	102
5	108	100	104	105	89	98	109	91	100	99	82	88
6	114	102	108	109	93	100	113	97	104	87	78	83
7	116	108	111	109	86	102	103	92	98	100	80	90
8	122	108	116	93	67	84	99	91	95	117	85	104
9	120	109	117	104	78	87	99	92	94	138	100	117
10	114	96	107	114	89	101	106	92	96	138	102	121
11	98	94	96	122	77	103	114	94	101	143	106	119
12	103	92	98	101	78	93	107	101	104	141	102	121
13	111	99	102	121	91	99	102	94	98	112	95	106
14	113	102	107	106	95	101	102	93	97	104	87	95
15	120	102	108	121	96	108	100	91	96	107	74	93
16	120	109	115	113	98	107	103	94	98	119	60	94
17	115	106	111	98	90	94	109	95	101	110	88	99
18	106	93	99	98	87	93	114	95	102	131	87	108
19	104	92	96	101	94	98	121	91	102	124	109	115
20	110	99	104	104	93	98	99	70	89	114	88	100
21	108	100	104	107	91	102	87	56	75	109	85	95
22	110	98	103	110	101	106	95	61	75	119	77	105
23	108	98	104	103	95	98	91	68	86	115	96	106
24	101	93	97	108	91	98	96	83	89	120	96	106
25	94	88	91	110	97	103	104	84	94	98	82	88
26	102	85	94	109	99	103	116	92	102	102	69	89
27	102	92	98	103	97	99	114	91	102	108	78	93
28	95	88	91	98	85	92	124	96	107	102	79	92
29	---	---	---	102	85	93	118	67	98	125	92	109
30	---	---	---	114	93	100	110	94	100	113	47	89
31	---	---	---	108	96	102	---	---	---	104	90	97
MONTH	122	85	103	122	67	98	124	56	96	143	47	101

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	92	83	88	107	72	88	124	74	93	115	65	84
2	104	80	89	112	50	81	139	79	105	128	77	104
3	113	80	91	101	65	81	148	106	125	114	85	99
4	85	63	75	104	75	91	149	68	116	87	77	81
5	115	28	66	108	78	92	151	82	115	85	70	78
6	110	18	34	115	80	94	113	67	94	87	75	80
7	101	1	28	128	73	100	103	50	89	93	75	83
8	40	0	13	109	63	81	97	78	88	100	79	88
9	114	1	59	164	84	111	110	63	85	97	80	87
10	118	89	98	140	83	116	139	92	109	94	81	87
11	104	85	96	150	78	110	120	55	98	---	---	---
12	111	77	92	124	25	72	127	40	82	---	---	---
13	108	59	91	75	8	43	122	60	97	---	---	---
14	105	48	77	108	49	72	127	94	104	---	---	---
15	107	57	79	146	74	102	121	87	104	---	---	---
16	112	70	93	128	64	97	117	7	90	---	---	---
17	103	80	89	112	51	88	102	70	83	---	---	---
18	100	77	92	110	46	83	101	77	89	---	---	---
19	93	76	86	141	21	73	107	76	90	---	---	---
20	91	82	86	111	35	73	128	79	94	140	95	117
21	112	82	94	150	31	84	117	89	98	114	94	104
22	118	87	98	121	31	70	125	63	93	129	90	107
23	103	88	96	124	75	95	113	88	99	139	89	109
24	103	85	95	116	87	100	111	79	91	136	89	105
25	95	87	91	139	92	108	90	74	81	118	85	98
26	108	84	93	196	84	116	100	72	84	102	82	93
27	114	92	99	168	57	111	85	72	81	104	66	86
28	110	88	100	127	37	89	89	64	77	107	79	92
29	103	89	93	107	64	80	90	61	80	126	79	98
30	138	83	99	98	73	87	106	74	86	99	76	84
31	---	---	---	101	83	89	86	65	75	---	---	---
MONTH	138	0	83	196	8	90	151	7	93	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	84	74	80	90	0	24	95	44	67	73	67	69
2	81	64	72	66	0	20	91	67	81	68	55	61
3	82	56	67	79	0	24	102	59	83	64	43	58
4	79	35	64	77	53	68	97	52	79	54	40	48
5	85	39	69	82	60	72	92	48	63	65	49	59
6	82	47	69	81	38	65	66	41	53	67	62	65
7	99	58	77	85	35	47	74	40	51	82	60	67
8	102	63	87	87	29	65	74	42	55	69	54	59
9	96	71	84	90	74	83	56	48	52	88	46	66
10	107	82	95	92	82	87	70	39	55	69	44	52
11	105	73	96	90	81	85	71	42	57	67	49	56
12	92	12	59	83	71	77	85	38	68	56	40	47
13	79	23	35	90	71	85	100	35	61	66	38	50
14	63	14	24	94	84	89	96	64	83	86	55	81
15	34	15	23	97	87	91	93	81	86	85	81	83
16	50	17	29	94	71	84	88	76	83	85	81	84
17	53	17	26	85	71	80	77	56	65	88	80	84
18	50	11	26	75	68	71	66	47	58	88	78	84
19	46	6	21	75	65	69	47	40	43	88	78	82
20	29	0	7	75	58	66	87	43	79	78	75	77
21	18	0	3	75	54	60	92	68	79	77	67	72
22	87	0	39	59	48	53	100	62	76	71	62	67
23	92	0	50	55	41	46	101	42	82	86	65	81
24	85	0	20	53	26	39	91	62	85	89	84	86
25	93	3	46	89	22	54	92	86	89	89	82	85
26	93	40	81	90	74	83	90	86	87	89	78	83
27	84	1	35	108	60	94	93	82	87	95	78	89
28	118	5	29	100	67	77	89	77	82	94	86	91
29	124	12	56	97	56	88	86	79	83	97	90	93
30	89	20	47	99	51	64	81	76	78	96	86	91
31	77	19	32	---	---	---	77	72	74	97	92	95
MONTH	124	0	50	108	0	67	102	35	72	97	38	73
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	100	91	96	94	85	90	117	88	102	99	25	75
2	99	89	95	90	86	88	104	89	95	62	6	26
3	101	87	96	96	85	90	97	90	93	102	11	44
4	99	96	98	94	83	90	100	84	91	113	57	93
5	100	94	97	100	59	77	107	84	95	106	89	95
6	106	98	100	97	65	77	104	77	94	93	85	89
7	107	93	102	86	63	69	97	50	81	94	78	88
8	103	93	98	88	59	78	---	---	---	101	71	77
9	107	92	98	79	69	75	---	---	---	91	48	62
10	107	83	96	107	67	82	---	---	---	117	43	64
11	94	81	91	96	60	70	---	---	---	117	65	97
12	95	78	83	103	78	94	---	---	---	114	17	64
13	96	69	75	105	90	96	---	---	---	113	34	93
14	88	63	71	107	89	101	---	---	---	105	11	50
15	78	48	65	114	93	100	---	---	---	45	9	21
16	77	54	61	110	93	101	---	---	---	50	5	13
17	65	54	59	101	93	98	---	---	---	111	10	80
18	98	61	73	103	93	98	---	---	---	122	74	94
19	94	64	86	103	90	99	---	---	---	107	26	81
20	105	57	82	102	89	96	70	51	61	98	21	55
21	104	46	70	108	80	88	65	56	62	105	34	90
22	109	48	92	118	78	97	72	54	60	96	55	76
23	109	64	97	114	68	85	82	50	68	58	25	41
24	100	92	97	114	61	81	94	52	72	100	16	55
25	95	82	89	119	103	111	102	62	87	92	24	80
26	91	64	83	120	101	108	113	87	99	85	50	68
27	98	63	88	114	96	106	104	26	67	90	22	47
28	96	88	91	111	93	100	107	30	50	38	9	17
29	---	---	---	116	94	103	63	15	32	34	3	9
30	---	---	---	116	93	106	110	13	63	11	2	4
31	---	---	---	116	103	109	---	---	---	98	1	30
MONTH	109	46	87	120	59	92	---	---	---	122	1	61

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	89	64	82	34	1	11	83	9	30	74	49	63
2	92	69	81	4	0	0	98	26	58	52	8	31
3	72	47	56	89	0	38	83	7	39	26	0	2
4	49	29	39	96	14	70	7	0	4	85	0	46
5	47	15	27	90	49	69	1	0	0	85	70	78
6	36	5	11	67	36	50	1	0	0	88	71	80
7	9	0	2	36	11	19	50	0	7	95	74	82
8	2	0	0	75	8	49	71	29	45	87	72	81
9	1	0	0	79	4	28	58	1	30	90	53	70
10	61	0	28	26	0	12	22	0	5	87	76	82
11	84	1	46	12	0	1	8	0	0	---	---	---
12	83	39	62	1	0	0	1	0	0	---	---	---
13	52	1	29	64	0	24	1	0	0	---	---	---
14	2	0	0	41	3	20	1	0	0	---	---	---
15	5	0	1	51	1	17	0	0	0	---	---	---
16	2	0	0	42	3	18	0	0	0	---	---	---
17	2	0	0	15	0	3	0	0	0	---	---	---
18	1	0	0	1	0	0	4	0	0	---	---	---
19	89	0	54	1	0	0	1	0	0	---	---	---
20	88	63	79	6	0	0	1	0	0	92	15	43
21	84	24	68	3	0	0	1	0	0	100	12	52
22	52	5	19	1	0	0	1	0	0	110	78	94
23	95	16	51	13	0	0	3	0	0	94	26	67
24	96	74	83	86	0	41	1	0	0	73	10	33
25	88	73	84	87	0	18	89	0	57	106	25	84
26	84	69	78	42	0	2	95	66	81	93	20	63
27	69	43	58	4	0	1	88	75	82	94	25	70
28	44	20	35	73	1	8	92	64	78	98	74	83
29	83	20	48	77	12	54	93	63	78	83	62	73
30	74	27	49	53	5	25	83	14	58	88	55	73
31	---	---	---	67	8	29	81	1	33	---	---	---
MONTH	96	0	39	96	0	20	98	0	22	---	---	---