

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11

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. 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. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation minimum extremes are reported as <10%.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	23.5, July 31	<0.1, on many days during the period
SALINITY (BOTOM), ppt	24.6, July 31	<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	33.3, August 1, 1999	0.6, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	30.7, August 2, 2002	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	18.1, July 15, 16	<0.1, on several days during the year
SALINITY (BOTTOM), ppt	21.2, July 16	<0.1, September 17, 18
pH (TOP), standard units	9.5, March 24	6.5, November 5, 6, 7
pH (BOTTOM), standard units	9.6, April 13	6.2, February 20
WATER TEMPERATURE (TOP), °C	30.8, July 6	3.0, February 1
WATER TEMPERATURE (BOTTOM), °C	29.5, August 2	3.0, February 2
DISSOLVED OXYGEN (TOP), mg/L	15.6, February 20	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	14.2, January 21	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	152, October 19	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	128, May 8	<10, on many days during the year

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	2.9	3.4	0.9	0.2	0.4	4.6	3.2	3.7	1.8	1.0	1.4
2	3.3	2.8	3.1	0.3	0.1	0.2	4.0	3.7	3.8	1.9	1.1	1.4
3	3.9	2.7	3.3	0.4	0.2	0.3	3.8	3.3	3.5	4.4	1.3	1.6
4	3.5	1.8	2.5	0.2	0.09	0.2	3.8	3.4	3.5	8.2	1.1	4.6
5	3.3	2.3	2.6	0.4	0.08	0.2	3.8	2.9	3.1	10.6	6.8	9.2
6	2.4	2.1	2.3	0.5	0.1	0.2	4.0	2.1	3.3	10.5	4.0	6.1
7	2.6	2.2	2.4	0.9	0.2	0.6	3.2	2.2	2.9	7.6	5.2	6.6
8	3.1	2.4	2.7	1.1	0.5	0.9	3.2	2.4	2.7	6.7	5.0	5.8
9	3.2	2.6	2.9	2.6	1.0	1.5	2.9	2.4	2.7	6.6	5.0	5.6
10	3.0	2.6	2.8	3.0	1.6	2.0	3.0	2.1	2.6	6.7	5.5	6.5
11	2.8	2.4	2.6	1.7	0.6	1.0	2.8	2.0	2.4	7.1	4.6	6.2
12	3.1	2.4	2.9	2.3	0.7	1.8	2.7	1.6	2.2	7.3	4.9	6.4
13	2.8	2.0	2.5	4.0	2.1	2.8	2.8	1.7	2.2	7.1	5.2	6.0
14	3.4	2.6	3.0	3.9	2.3	2.8	2.8	1.0	1.6	6.4	5.2	5.9
15	3.8	2.3	3.1	2.5	1.9	2.2	1.5	0.7	1.1	6.4	5.6	5.9
16	3.2	1.9	2.3	2.2	1.7	2.1	1.2	0.3	0.6	6.1	5.2	5.7
17	2.5	2.1	2.4	2.4	1.6	2.0	0.5	0.09	0.3	5.7	5.0	5.4
18	2.6	1.8	2.4	2.4	1.7	2.0	1.0	0.2	0.5	5.1	4.3	4.7
19	2.6	1.9	2.2	2.5	1.7	2.0	1.6	0.2	0.7	5.9	4.8	5.3
20	2.4	1.2	1.6	2.0	1.7	1.9	2.2	1.6	1.8	5.1	4.6	4.8
21	3.7	1.1	2.5	2.1	1.4	1.8	2.0	1.2	1.7	5.0	3.5	4.4
22	4.2	3.4	3.8	2.4	1.4	1.8	1.8	0.7	1.3	5.5	3.4	4.4
23	4.0	2.3	3.3	2.1	1.4	1.7	1.6	0.9	1.3	5.4	4.5	5.0
24	3.4	3.0	3.2	2.0	1.0	1.5	1.4	0.3	0.9	5.4	5.2	5.2
25	3.4	2.2	2.9	3.0	1.4	2.6	1.9	0.4	1.1	5.2	5.1	5.2
26	2.9	2.2	2.7	2.2	1.7	1.9	2.1	1.8	2.0	5.3	4.4	4.9
27	3.1	2.0	2.6	2.6	1.5	1.9	2.1	1.8	1.9	4.8	3.8	4.5
28	2.9	2.3	2.6	2.6	1.4	2.1	1.9	0.8	1.4	4.9	3.9	4.4
29	2.9	2.0	2.3	5.4	1.7	3.9	1.6	0.9	1.2	5.2	3.9	5.0
30	2.1	1.5	1.9	4.3	3.1	3.3	4.5	1.2	2.0	5.2	4.0	4.8
31	1.9	0.8	1.3	---	---	---	2.1	1.4	1.5	4.8	3.9	4.4
MONTH	4.2	0.8	2.6	5.4	0.08	1.7	4.6	0.09	2.0	10.6	1.0	5.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.4	3.1	3.9	0.5	0.05	0.2	2.9	1.4	2.1	2.2	1.4	1.7
2	3.9	3.4	3.7	1.0	0.2	0.5	3.6	2.6	3.1	1.6	1.0	1.3
3	3.9	3.4	3.5	0.6	0.06	0.2	3.3	2.6	2.8	1.7	0.9	1.1
4	3.6	2.6	3.2	0.8	0.1	0.4	3.1	2.6	2.7	2.4	1.3	1.9
5	3.7	3.0	3.4	0.9	0.3	0.6	3.4	2.0	3.0	5.3	1.5	3.7
6	3.3	2.5	2.9	2.5	0.4	1.4	2.7	2.3	2.5	3.1	1.1	2.0
7	3.3	2.2	2.7	1.4	0.7	1.1	3.2	2.5	2.8	3.6	0.6	1.1
8	4.1	2.3	3.3	4.1	0.8	2.6	3.2	2.7	3.0	3.3	1.1	1.9
9	3.2	2.1	2.8	3.9	0.8	1.3	3.3	2.7	3.1	2.0	1.0	1.4
10	2.2	1.8	2.1	2.5	1.1	1.8	3.2	2.8	3.0	3.3	1.2	1.7
11	2.0	1.5	1.8	2.4	1.2	1.9	3.1	2.8	2.9	2.4	0.9	1.7
12	2.4	1.7	2.2	4.4	1.5	2.6	3.5	2.4	3.1	1.6	0.6	1.1
13	2.4	1.8	2.2	2.7	1.2	2.2	2.5	0.8	1.9	1.1	0.2	0.6
14	2.2	1.2	1.5	2.8	1.9	2.5	2.1	0.9	1.5	3.4	0.4	0.9
15	2.2	1.2	1.5	3.3	1.6	2.4	2.3	1.2	1.9	7.5	0.5	2.3
16	3.7	1.9	2.7	2.6	2.0	2.4	2.0	1.0	1.4	6.8	0.9	2.7
17	3.6	2.5	2.8	2.6	2.0	2.3	1.5	0.7	1.0	4.4	1.0	1.3
18	3.2	1.8	2.4	2.4	1.4	2.0	1.7	0.4	0.9	1.9	0.9	1.2
19	2.4	1.2	1.6	3.6	1.7	2.5	1.0	0.5	0.7	9.3	1.2	3.7
20	2.2	1.2	1.6	3.5	1.9	2.5	1.1	0.4	0.6	14.1	2.9	6.6
21	2.7	1.2	1.9	3.0	1.3	2.3	1.1	0.3	0.6	14.4	4.8	9.6
22	2.2	0.8	1.7	2.8	1.9	2.3	1.2	0.6	0.9	14.6	7.5	10.9
23	1.3	0.8	1.0	2.3	1.0	1.7	1.0	0.4	0.8	13.4	8.3	11.0
24	1.1	0.7	0.9	1.7	0.6	1.1	2.9	0.4	1.5	15.2	8.1	11.9
25	0.9	0.6	0.7	1.8	0.4	1.1	2.8	1.3	2.1	12.2	9.8	11.2
26	1.7	0.6	1.0	1.4	0.7	1.1	1.3	0.5	0.9	15.0	9.2	11.3
27	2.3	0.8	1.8	1.5	0.3	0.6	2.8	1.2	1.8	13.8	7.7	10.3
28	1.9	0.08	0.5	2.2	0.6	1.3	2.9	1.8	2.2	14.7	10.6	12.8
29	0.5	0.01	0.07	2.4	1.3	1.8	2.6	1.0	1.4	12.9	10.6	11.6
30	---	---	---	2.7	1.3	1.8	2.3	0.9	1.5	12.8	11.3	12.0
31	---	---	---	2.3	1.2	1.8	---	---	---	12.0	11.1	11.6
MONTH	4.4	0.01	2.1	4.4	0.05	1.6	3.6	0.3	1.9	15.2	0.2	5.3

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.6	11.0	12.1	12.0	7.6	9.4	13.1	12.8	13.0	3.0	2.0	2.2			
2	12.8	10.7	11.8	11.5	8.5	9.8	13.1	12.6	12.9	3.6	2.7	3.2			
3	12.7	11.3	12.2	13.7	7.1	9.9	14.2	12.1	13.4	3.3	2.0	2.5			
4	12.4	10.2	11.7	12.3	6.6	9.4	14.9	10.7	12.5	2.2	1.4	1.8			
5	12.4	10.8	11.4	13.1	6.9	8.8	14.8	12.2	13.8	2.2	1.4	1.8			
6	12.4	10.9	11.7	16.2	6.3	10	14.2	11.9	13.5	2.1	1.4	1.5			
7	12.4	10.6	11.7	15.9	6.3	11.9	13.7	10.6	12.5	1.6	1.3	1.5			
8	12.9	10.2	11.4	14.8	10.7	12.5	15.4	7.9	12.2	1.7	0.8	1.3			
9	12.0	9.8	10.9	15.6	11.3	12.8	15.3	9.5	11.9	1.0	0.4	0.6			
10	13.3	10.4	11.7	17.6	9.7	12.9	13.6	9.0	11.2	0.7	0.4	0.6			
11	14.3	8.7	12.2	15.5	8.1	10.6	12.4	9.1	10.9	0.8	0.5	0.6			
12	---	---	---	12.2	8.3	9.9	11.1	8.2	9.6	0.8	0.5	0.6			
13	---	---	---	17.2	8.8	12.1	11.1	8.2	9.6	0.8	0.5	0.6			
14	---	---	---	17.5	12.1	14.6	11.1	7.4	9.7	0.8	0.4	0.6			
15	---	---	---	18.1	10.1	14.1	9.3	6.7	8.3	0.5	0.10	0.3			
16	---	---	---	18.1	11.8	13.0	8.6	4.3	5.8	0.2	0.09	0.1			
17	---	---	---	15.1	12.0	13.2	5.7	3.5	4.7	0.2	0.06	0.1			
18	---	---	---	14.4	12.9	13.8	5.1	2.9	4.4	0.4	0.05	0.1			
19	---	---	---	15.1	12.0	13.1	5.0	1.4	3.3	1.7	0.1	0.6			
20	---	---	---	14.6	11.2	12.5	8.8	1.6	3.7	2.3	0.8	1.5			
21	---	---	---	13.1	11.1	11.6	8.3	1.1	2.7	2.4	0.7	1.4			
22	---	---	---	15.0	10.9	12.6	8.5	1.6	2.7	1.1	0.4	0.6			
23	---	---	---	15.1	12.0	13.4	3.2	1.2	2.2	2.2	0.2	0.5			
24	---	---	---	13.3	12.2	12.7	3.3	1.9	2.6	2.4	0.7	1.4			
25	13.0	6.8	9.3	14.1	11.5	13.1	3.9	2.3	3.0	2.1	1.0	1.6			
26	12.6	10.1	11.4	14.8	11.3	13.3	4.0	2.0	2.3	1.8	0.9	1.3			
27	13.1	7.9	10.3	14.7	13.1	13.6	2.1	1.8	2.0	1.9	0.9	1.1			
28	11.8	8.3	10.4	13.5	12.4	12.9	1.9	1.3	1.6	1.8	0.4	1.0			
29	10.8	8.0	9.3	14.3	12.6	13.1	2.9	1.4	1.9	1.7	0.7	1.4			
30	10.3	7.3	8.8	13.5	12.1	13.0	2.5	1.3	1.9	1.9	1.3	1.6			
31	---	---	---	13.9	12.4	13.3	2.5	1.8	2.2	---	---	---			
MONTH	---	---	---	18.1	6.3	12.2	15.4	1.1	7.2	3.6	0.05	1.1			

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	3.4	3.5	3.9	1.2	2.8	5.0	3.7	4.4	10.6	7.7	10.2
2	3.6	2.9	3.2	4.3	2.6	3.8	4.0	3.7	3.9	10.4	7.1	9.6
3	4.0	3.1	3.7	4.2	0.8	3.3	3.9	3.4	3.6	10.4	7.5	9.7
4	5.4	3.9	4.6	3.5	1.0	2.5	3.8	3.4	3.6	11.1	8.5	10.2
5	5.5	2.9	4.6	2.9	1.1	2.0	3.9	2.9	3.4	11.2	8.5	10.6
6	5.0	4.0	4.9	4.0	1.0	2.6	4.1	3.1	3.7	11.2	5.8	9.0
7	5.0	4.1	4.7	5.7	3.3	4.5	4.0	2.8	3.5	8.9	5.3	7.2
8	4.6	2.8	3.6	5.6	0.5	2.6	3.8	3.0	3.4	10	6.5	7.9
9	3.4	2.8	3.1	3.4	1.2	1.7	4.6	3.5	3.9	9.7	4.0	7.0
10	3.0	2.6	2.8	3.2	1.8	2.2	4.7	2.7	3.7	6.8	4.5	5.8
11	3.2	2.4	2.8	5.7	1.5	3.0	3.0	2.0	2.4	7.8	4.9	6.8
12	3.6	3.0	3.4	5.7	2.6	4.5	3.6	2.6	3.1	8.5	5.7	7.3
13	3.6	2.9	3.4	4.0	2.3	3.0	3.2	2.2	2.7	7.6	4.1	6.7
14	3.4	2.7	3.0	3.9	2.4	2.9	2.8	1.0	1.9	7.0	4.1	6.1
15	3.8	2.3	3.0	2.7	2.2	2.4	2.0	0.9	1.2	6.5	5.7	6.1
16	3.8	2.7	3.3	2.7	2.3	2.5	2.0	1.0	1.5	6.4	4.0	5.7
17	3.6	2.7	3.1	4.3	2.3	3.0	1.0	0.10	0.3	6.0	4.4	5.5
18	3.0	2.1	2.6	5.1	4.1	4.8	2.0	0.3	1.2	6.0	3.5	5.2
19	2.8	2.4	2.6	4.4	1.7	2.7	8.2	1.6	5.8	5.9	4.0	5.4
20	5.0	2.8	4.1	2.4	1.6	2.0	8.0	2.1	5.7	5.2	3.4	4.6
21	5.3	3.5	4.8	2.7	2.1	2.3	8.4	2.0	4.5	5.5	3.4	4.7
22	5.1	3.9	4.4	5.1	2.7	4.1	8.3	4.2	6.4	7.0	4.3	6.1
23	4.0	3.1	3.8	5.3	5.1	5.2	7.6	1.7	5.0	7.1	3.9	5.7
24	4.3	3.1	3.4	5.7	5.1	5.4	7.4	1.6	4.8	5.7	4.2	5.4
25	3.3	2.7	3.1	5.3	2.6	3.2	9.0	2.7	7.6	5.4	5.3	5.3
26	3.9	2.8	3.4	8.1	2.6	5.5	9.9	5.3	8.9	5.4	4.4	5.1
27	4.0	3.4	3.8	8.3	7.4	8.0	11.0	9.9	10.6	5.1	3.9	4.8
28	3.9	2.6	3.2	8.0	1.8	6.0	11.0	9.7	10.9	5.2	4.0	4.5
29	3.4	2.3	2.8	5.7	1.8	4.3	10.9	9.7	10.3	5.4	5.1	5.3
30	3.2	2.2	2.8	5.0	3.7	4.5	10.6	9.2	10.0	5.4	4.8	5.2
31	3.2	1.4	2.3	---	---	---	10.7	9.8	10.6	5.4	4.3	4.6
MONTH	5.5	1.4	3.5	8.3	0.5	3.6	11.0	0.1	4.9	11.2	3.4	6.6
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.8	4.0	4.3	3.7	2.7	3.5	4.5	1.8	3.3	3.3	1.6	2.4
2	4.5	3.5	4.1	4.0	3.6	3.8	3.4	2.5	3.1	2.1	1.0	1.3
3	4.3	3.5	3.8	5.4	2.0	4.0	3.4	2.5	3.0	1.7	1.0	1.3
4	4.7	3.3	3.9	5.6	2.4	4.8	2.9	2.5	2.6	6.3	1.6	3.0
5	3.7	3.0	3.5	5.7	4.9	5.4	3.2	2.7	3.0	7.2	4.3	6.4
6	3.9	2.5	3.2	6.0	1.6	4.6	4.7	2.3	3.1	7.0	4.6	6.3
7	3.6	2.2	2.9	5.9	0.9	4.3	5.5	4.5	5.1	7.1	5.7	6.5
8	4.1	3.3	3.8	4.1	1.0	2.8	5.3	4.0	4.8	7.5	2.6	5.6
9	3.8	2.8	3.3	4.0	1.5	2.8	5.1	3.0	4.6	6.5	1.9	4.3
10	4.3	2.3	3.3	2.6	1.3	2.0	4.3	2.8	3.3	7.0	4.9	6.3
11	4.9	2.8	4.5	5.6	1.5	3.4	3.1	2.6	2.8	7.3	5.8	6.6
12	4.9	2.3	3.3	6.0	4.8	5.4	3.3	2.5	3.1	7.5	5.7	6.9
13	5.1	2.0	2.5	5.7	2.4	3.5	2.6	0.7	1.9	7.9	6.7	7.4
14	5.4	3.8	5.1	3.7	2.7	3.2	2.0	0.9	1.5	9.6	7.7	8.7
15	5.3	1.3	3.2	4.0	3.5	3.9	2.3	1.2	2.0	11.2	8.1	10.1
16	4.1	1.9	3.0	3.9	3.0	3.8	2.3	1.7	2.1	12.2	9.2	11.2
17	3.5	2.5	2.9	3.2	2.5	2.8	3.7	1.5	2.7	12.6	10.8	11.9
18	4.1	2.0	3.0	6.5	2.6	5.2	3.8	2.4	3.4	12.5	10.8	11.9
19	4.1	3.4	3.9	5.9	2.6	4.1	3.6	0.5	3.0	13.0	11.9	12.5
20	4.2	2.0	3.7	4.0	2.5	3.2	3.8	0.5	3.4	14.0	12.2	13.3
21	3.9	1.7	2.6	3.4	1.6	2.6	4.8	2.9	3.7	14.8	13.5	14.4
22	2.8	1.2	2.0	3.2	2.3	2.7	5.0	0.9	2.7	15.7	12.5	14.8
23	1.8	1.0	1.2	3.0	2.4	2.8	5.7	2.4	4.1	16.3	12.6	15.0
24	1.4	0.9	1.1	3.3	2.5	2.9	7.9	2.2	5.2	16.4	12.9	15.2
25	0.9	0.6	0.8	2.9	2.3	2.6	3.2	2.0	2.5	16.6	13.0	15.6
26	1.9	0.7	1.3	2.9	2.2	2.5	4.3	0.8	2.9	16.9	14.1	16.1
27	2.3	0.8	1.9	3.4	2.1	3.0	7.6	2.0	3.8	18.4	15.9	17.4
28	2.0	0.4	0.7	3.6	1.3	2.6	5.5	2.1	3.1	18.5	15.1	17.7
29	3.3	0.4	1.3	2.3	1.3	1.9	5.5	3.3	4.4	18.4	13.5	17.1
30	---	---	---	4.4	1.7	3.6	3.7	2.3	3.1	15.8	12.1	13.5
31	---	---	---	4.8	3.0	4.3	---	---	---	14.7	12.8	13.8
MONTH	5.4	0.4	2.9	6.5	0.9	3.5	7.9	0.5	3.2	18.5	1.0	10.1

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.1	13.1	14.4	14.5	13.3	13.9	13.9	12.8	13.2	8.8	4.0	5.8
2	15.6	14.2	15.2	14.3	13.5	14.0	14.1	13.2	13.8	6.7	2.9	3.9
3	15.9	13.4	14.8	14.7	14.3	14.6	14.8	12.8	13.6	7.5	2.5	3.9
4	14.5	11.4	13.1	14.7	14.0	14.6	14.9	12.8	14.2	8.3	2.1	4.2
5	13.3	11.8	12.5	16.5	14.0	15.2	16.1	13.1	15.4	7.8	1.9	4.1
6	13.2	12.4	12.6	18.4	16.5	17.6	15.4	12.1	13.6	6.6	1.6	2.8
7	15.6	12.7	14.2	18.4	17.3	18.1	15.1	13.2	13.9	3.1	1.5	2.1
8	15.9	14.2	15.2	18.0	16.4	17.6	16.1	15.1	15.8	3.5	1.0	1.7
9	15.7	14.3	15.2	18.2	17.3	17.9	16.0	15.5	15.7	1.0	0.5	0.6
10	15.9	15.1	15.7	18.4	16.9	18.0	15.5	15.0	15.2	1.6	0.5	0.9
11	16.0	13.7	15.4	18.3	17.5	18.1	15.3	14.2	15.0	1.1	0.5	0.7
12	15.7	11.3	12.5	17.8	16.7	17.5	15.0	13.5	14.5	0.8	0.5	0.6
13	12.3	10.7	11.3	18.1	17.3	17.8	14.6	9.6	12.5	0.8	0.5	0.7
14	12.7	11.0	12.0	19.0	18.0	18.5	13.2	9.2	11.5	0.8	0.4	0.6
15	12.2	11.2	11.7	20.5	17.3	19.4	11.5	9.9	10.7	0.8	0.1	0.4
16	11.5	10.5	11.0	21.2	19.6	20.6	12.4	10.6	11.7	1.5	0.1	0.3
17	13.4	10	11.7	21.0	18.5	20.2	12.5	10.7	12.1	0.2	0.06	0.1
18	14.7	12.0	13.7	19.7	16.0	18.8	11.6	9.5	10.6	0.4	0.06	0.1
19	16.7	14.0	15.9	20.6	17.8	20.1	11.9	9.5	10.9	4.3	0.1	1.1
20	16.6	10.9	15.3	20.7	13.7	19.5	12.5	10.6	12.0	4.8	1.4	2.6
21	15.1	10.4	12.2	20.4	17.4	20.0	14.1	11.6	12.9	3.9	1.2	2.4
22	13.5	10.5	12.2	20.3	17.5	19.4	15.7	13.0	14.7	5.6	3.7	5.0
23	15.0	11.3	13.8	19.1	16.5	18.1	15.7	13.5	15.1	5.6	4.7	5.5
24	15.4	14.2	14.9	18.5	15.4	17.3	14.9	4.1	12.1	5.5	2.3	3.7
25	15.5	14.5	15.2	19.9	16.7	19.3	7.6	3.6	4.5	3.7	1.7	2.4
26	15.1	13.5	14.5	19.6	17.0	18.6	4.5	2.3	3.2	3.5	1.1	2.1
27	14.9	13.7	14.5	18.8	16.1	17.2	5.1	2.1	2.5	2.7	1.0	2.1
28	14.5	12.4	13.9	16.8	14.1	15.8	5.1	1.4	3.2	3.5	0.5	1.8
29	14.3	12.4	13.7	16.5	13.3	15.0	5.4	1.9	3.4	1.9	0.7	1.6
30	13.9	12.7	13.4	15.3	13.3	14.3	4.6	1.3	2.3	2.0	1.5	1.7
31	---	---	---	13.7	13.1	13.4	4.0	2.1	3.0	---	---	---
MONTH	16.7	10.0	13.7	21.2	13.1	17.4	16.1	1.3	11.1	8.8	0.06	2.2

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.8	7.6	8.1	8.1	7.1	7.4	7.6	7.2	7.5	7.4	7.2	7.3
2	8.1	7.5	7.9	7.2	7.0	7.2	7.6	7.5	7.5	7.5	7.2	7.4
3	8.4	7.5	7.8	7.4	7.1	7.2	7.6	7.5	7.6	7.6	7.2	7.3
4	8.4	7.4	7.8	7.1	6.6	6.9	7.7	7.5	7.6	7.4	7.0	7.2
5	8.0	7.4	7.7	6.9	6.5	6.7	7.7	7.6	7.6	7.2	7.1	7.1
6	8.5	7.5	7.9	6.7	6.5	6.6	7.7	7.5	7.6	7.5	7.2	7.4
7	8.3	7.7	8.0	6.9	6.5	6.7	7.8	7.5	7.7	7.8	7.4	7.5
8	8.0	7.2	7.6	7.1	6.9	7.0	7.9	7.7	7.7	7.9	7.4	7.6
9	7.3	7.2	7.3	7.3	7.0	7.2	7.9	7.7	7.8	7.9	7.7	7.8
10	7.4	7.2	7.3	7.3	7.2	7.3	8.0	7.7	7.9	7.8	7.6	7.7
11	7.3	7.2	7.2	7.3	7.1	7.1	7.7	7.6	7.7	8.0	7.6	7.8
12	7.5	7.2	7.3	7.4	7.1	7.2	7.8	7.6	7.7	8.2	7.7	7.9
13	8.0	7.3	7.6	7.3	7.2	7.2	7.8	7.7	7.8	8.1	7.9	8.0
14	8.0	7.5	7.7	7.4	7.2	7.3	7.8	7.6	7.7	8.3	7.9	8.1
15	7.8	7.4	7.5	7.4	7.3	7.4	8.0	7.7	7.7	8.2	7.9	8.0
16	7.9	7.5	7.6	7.6	7.3	7.4	8.0	7.7	7.9	8.2	8.0	8.1
17	8.9	7.6	8.1	7.4	7.1	7.3	7.9	7.4	7.7	8.6	8.0	8.3
18	8.7	7.8	8.1	7.9	6.9	7.2	7.9	7.4	7.7	8.4	7.9	8.2
19	9.0	7.8	8.2	7.0	6.8	6.9	7.8	7.5	7.7	8.4	8.0	8.2
20	8.8	7.8	8.1	7.1	7.0	7.0	8.0	7.8	7.9	8.3	8.2	8.3
21	8.2	7.4	7.8	7.2	7.0	7.1	7.9	7.6	7.8	8.8	8.3	8.5
22	7.9	7.4	7.6	8.2	7.0	7.4	7.7	7.5	7.6	8.8	8.4	8.6
23	8.6	7.6	8.1	8.4	7.2	7.8	7.7	7.4	7.6	8.5	8.3	8.3
24	8.4	7.9	8.1	8.2	7.3	7.7	7.5	7.1	7.3	8.4	8.2	8.3
25	8.3	7.8	8.1	7.6	7.0	7.2	7.4	7.1	7.3	8.3	8.2	8.3
26	8.5	7.6	7.9	7.3	7.1	7.2	7.5	7.4	7.5	8.3	8.1	8.2
27	8.0	7.4	7.6	7.6	7.2	7.2	7.6	7.4	7.5	8.3	8.1	8.2
28	7.7	7.4	7.6	7.4	7.0	7.3	7.5	7.2	7.4	8.2	7.8	8.0
29	7.8	7.5	7.7	7.4	7.0	7.2	7.4	7.1	7.3	8.3	7.6	7.9
30	8.1	7.6	7.8	7.6	7.2	7.4	7.4	7.2	7.3	8.5	7.8	8.1
31	8.2	7.7	7.9	---	---	---	7.3	7.2	7.2	8.4	8.1	8.3
MONTH	9.0	7.2	7.8	8.4	6.5	7.2	8.0	7.1	7.6	8.8	7.0	7.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	8.2	8.4	8.0	7.5	7.8	8.5	7.6	7.9	7.7	7.2	7.4
2	8.6	8.3	8.4	8.0	7.5	7.7	8.5	7.7	8.2	7.6	7.2	7.3
3	8.6	8.2	8.4	7.8	7.4	7.5	8.6	8.1	8.4	7.4	7.2	7.3
4	8.6	8.4	8.5	7.9	7.5	7.7	8.3	7.7	8.1	7.9	7.1	7.4
5	8.7	8.3	8.5	7.7	7.6	7.7	8.0	7.7	7.8	7.7	7.1	7.3
6	8.7	8.3	8.5	7.8	7.4	7.6	8.6	7.6	8.0	8.8	7.0	7.7
7	8.4	7.8	8.3	8.2	7.7	7.9	9.0	7.9	8.4	8.4	7.3	7.8
8	8.6	8.0	8.3	7.8	7.6	7.7	8.8	7.9	8.4	8.8	7.5	8.2
9	8.8	8.2	8.5	7.9	7.7	7.8	9.1	8.0	8.5	9.0	7.4	8.3
10	8.9	8.3	8.6	8.0	7.8	7.9	9.0	8.6	8.8	8.9	7.6	8.4
11	8.8	8.5	8.7	8.1	7.9	8.0	8.8	8.3	8.6	7.7	7.0	7.3
12	8.8	8.4	8.6	8.2	7.9	8.0	8.6	7.9	8.2	7.2	6.9	7.0
13	8.8	8.0	8.5	8.5	8.1	8.2	8.1	7.6	7.9	7.2	6.8	7.0
14	8.8	8.4	8.6	8.9	8.2	8.4	8.2	7.6	7.8	7.0	6.9	7.0
15	8.6	8.3	8.4	9.4	8.2	8.7	8.0	7.6	7.8	7.1	6.7	6.9
16	8.4	7.5	8.0	9.4	8.7	8.9	8.8	7.6	7.9	7.1	6.8	6.9
17	7.7	7.4	7.6	8.9	8.6	8.7	8.2	7.6	7.9	8.2	6.9	7.4
18	7.7	7.2	7.5	9.3	8.3	8.9	8.1	7.5	7.7	8.5	7.4	7.8
19	8.2	7.1	7.7	9.0	8.5	8.7	7.8	7.5	7.6	7.7	6.9	7.3
20	8.7	7.5	8.1	9.1	8.3	8.7	8.6	7.5	7.7	7.4	6.8	7.1
21	8.7	7.3	7.7	9.0	8.3	8.7	7.7	7.6	7.6	8.0	6.8	7.0
22	9.0	7.6	8.4	9.0	8.4	8.6	8.3	7.6	7.8	7.4	6.8	7.0
23	8.8	7.5	8.3	9.1	8.4	8.5	8.8	7.6	8.1	7.9	6.9	7.2
24	8.3	7.6	7.8	9.5	8.7	9.0	8.8	7.3	8.0	7.9	7.2	7.3
25	7.8	7.6	7.7	9.1	8.4	8.8	8.9	7.9	8.4	8.0	7.2	7.5
26	8.0	7.6	7.7	9.0	8.5	8.7	8.6	7.6	8.1	8.5	7.1	7.7
27	8.1	7.6	8.0	8.5	7.8	8.1	8.6	7.5	8.1	8.1	7.3	7.9
28	8.0	7.6	7.7	8.1	7.5	7.8	8.7	7.7	8.2	8.0	7.1	7.5
29	7.7	7.5	7.6	7.8	7.5	7.7	8.8	8.0	8.4	7.8	7.4	7.6
30	---	---	---	8.6	7.5	7.8	8.3	7.5	8.0	7.6	7.2	7.4
31	---	---	---	8.6	7.8	8.2	---	---	---	7.3	7.2	7.2
MONTH	9.0	7.1	8.2	9.5	7.4	8.2	9.1	7.3	8.1	9.0	6.7	7.4

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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



## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.1	22.2	22.6	18.5	17.6	18.0	12.4	11.7	12.0	8.8	8.1	8.4
2	22.6	21.5	21.9	18.7	17.3	17.9	11.7	10.7	11.2	9.0	8.2	8.6
3	21.5	20.2	20.8	19.8	18.1	18.5	10.7	9.4	9.9	10.2	8.4	9.2
4	21.2	19.8	20.5	19.9	17.5	18.7	9.4	8.9	9.1	10.9	9.4	10.1
5	21.5	20.2	20.7	19.7	18.1	19.1	9.3	8.8	9.0	10.7	10.0	10.5
6	21.8	20.6	21.0	19.6	18.7	19.2	8.9	8.2	8.7	12.5	10.7	11.7
7	21.7	21.1	21.3	20.0	19.2	19.6	8.4	7.7	8.0	10.9	8.1	9.2
8	21.3	21.0	21.2	19.7	18.2	18.9	8.1	7.1	7.4	8.3	7.3	7.7
9	21.2	20.8	21.0	18.2	16.0	17.1	7.8	7.2	7.5	7.3	6.4	6.8
10	21.4	21.0	21.2	16.3	15.6	16.0	9.3	7.6	8.2	6.8	5.4	6.2
11	21.3	20.8	21.0	16.5	15.5	15.8	9.6	9.0	9.3	5.4	4.0	4.8
12	21.6	20.6	21.0	16.7	15.6	16.1	9.3	8.7	9.0	5.8	4.0	4.9
13	21.7	20.6	21.2	17.1	15.5	16.5	9.0	8.6	8.8	6.1	4.7	5.4
14	21.5	21.0	21.2	15.5	13.5	14.4	9.1	8.7	8.9	6.2	5.3	5.7
15	21.2	19.7	20.7	13.6	13.0	13.3	8.8	8.2	8.5	6.2	5.7	5.9
16	20.1	18.9	19.4	14.9	13.2	13.5	8.9	8.0	8.5	6.0	5.4	5.7
17	21.3	18.8	19.5	13.7	13.1	13.3	9.6	8.5	9.1	6.0	5.0	5.4
18	20.2	18.9	19.4	14.9	13.3	14.0	9.0	8.2	8.5	7.2	5.4	6.4
19	20.3	18.2	18.8	15.5	14.1	14.8	8.3	7.6	8.1	7.1	6.5	6.8
20	19.8	18.2	18.8	15.2	14.4	14.9	7.7	6.9	7.4	6.6	5.6	6.1
21	19.8	18.1	19.1	14.7	14.1	14.2	7.0	6.3	6.7	5.9	5.0	5.5
22	19.7	18.8	19.3	15.6	14.2	14.6	6.6	5.7	6.2	6.2	5.0	5.7
23	18.8	17.7	18.1	17.3	14.5	15.5	7.4	6.1	6.7	5.8	5.2	5.4
24	17.8	17.1	17.4	16.4	15.1	15.9	8.4	7.4	8.0	5.8	4.9	5.4
25	17.3	16.8	17.0	16.2	14.5	15.4	8.1	7.6	7.8	5.7	4.8	5.1
26	18.1	17.0	17.2	14.6	14.0	14.3	7.7	7.0	7.3	4.8	4.2	4.4
27	18.2	17.3	17.8	14.4	13.9	14.1	7.6	6.8	7.2	4.3	4.1	4.2
28	18.2	18.1	18.2	15.8	14.0	14.8	7.6	6.6	7.1	4.2	3.8	3.9
29	18.7	18.0	18.2	14.9	12.5	13.8	7.6	7.1	7.2	4.3	3.3	3.8
30	18.3	17.7	18.0	13.0	11.8	12.3	9.3	7.3	8.5	4.6	3.8	4.2
31	18.9	17.3	17.9	---	---	---	9.0	8.1	8.5	4.3	3.6	3.9
MONTH	23.1	16.8	19.7	20.0	11.8	15.8	12.4	5.7	8.3	12.5	3.3	6.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.8	3.0	3.5	9.3	7.3	8.3	14.5	13.6	14.0	21.4	20.8	21.0
2	4.1	3.1	3.6	11.1	9.2	10.1	13.6	13.0	13.4	22.0	20.9	21.5
3	5.2	3.5	4.5	12.3	10.3	11.1	13.6	12.7	13.2	21.9	20.8	21.6
4	5.9	4.5	5.2	13.6	11.7	12.7	13.9	13.1	13.5	20.8	19.7	20.3
5	6.1	5.0	5.6	15.1	13.4	14.3	13.4	12.5	12.9	21.4	20.0	20.5
6	8.5	5.7	6.7	15.6	13.1	14.4	13.6	12.0	12.6	23.1	19.6	20.9
7	9.4	8.5	9.0	16.1	15.1	15.6	15.1	12.6	13.5	24.4	21.4	22.3
8	9.0	7.8	8.4	15.5	12.8	13.7	15.1	13.4	14.4	23.6	22.3	22.9
9	8.3	7.5	7.8	13.8	12.7	13.1	16.4	14.7	15.3	25.7	22.7	23.7
10	8.8	7.9	8.2	12.7	11.0	11.9	16.5	15.4	15.9	25.2	23.4	24.2
11	9.1	8.3	8.7	11.7	10.3	11.0	17.6	16.4	17.0	24.6	22.5	23.3
12	9.0	8.2	8.6	12.4	10.1	11.2	17.3	16.9	17.0	24.9	23.4	24.0
13	9.4	7.9	8.5	12.5	11.2	11.8	18.6	17.3	17.9	25.0	23.3	24.2
14	8.9	8.4	8.6	12.3	11.4	11.8	18.3	16.8	17.6	25.2	23.7	24.4
15	8.7	8.2	8.6	13.4	11.5	12.2	16.8	15.9	16.4	24.7	22.1	23.8
16	8.2	6.8	7.5	13.6	12.4	13.0	17.8	15.7	16.3	25.1	22.1	23.6
17	6.9	6.5	6.6	13.2	12.3	12.7	18.5	16.5	17.3	26.1	23.6	25.0
18	6.8	6.2	6.5	13.0	11.7	12.4	18.9	17.0	17.9	26.5	25.2	25.6
19	7.5	6.0	6.7	13.4	12.4	12.8	20.0	17.9	18.9	25.7	23.1	24.7
20	8.1	6.9	7.5	13.8	12.1	12.9	21.8	18.8	19.7	24.9	22.0	23.9
21	9.1	7.7	8.3	14.0	13.1	13.7	21.0	19.9	20.5	25.0	22.3	23.6
22	9.4	8.3	8.8	13.1	12.1	12.6	21.6	19.9	20.7	25.9	22.5	23.4
23	9.6	8.6	9.1	12.6	11.4	11.8	22.7	20.6	21.5	26.4	23.0	24.3
24	9.3	9.0	9.2	13.4	11.9	12.7	22.3	21.0	21.5	26.0	24.3	24.8
25	9.2	8.7	8.9	14.2	12.8	13.4	21.4	20.7	21.0	26.6	24.1	25.0
26	8.8	7.8	8.2	15.7	13.8	14.5	22.7	21.2	21.9	28.0	24.3	25.5
27	7.8	7.0	7.4	16.0	14.4	15.3	22.3	20.9	21.6	27.6	25.3	26.6
28	7.9	6.5	7.0	15.7	14.7	15.4	21.0	19.5	20.1	27.6	25.9	26.7
29	8.5	6.7	7.4	14.7	13.9	14.3	21.2	19.7	20.3	27.7	25.9	26.9
30	---	---	---	14.6	13.5	13.9	21.8	19.7	20.7	26.8	25.3	25.8
31	---	---	---	15.0	13.9	14.3	---	---	---	26.3	25.0	25.6
MONTH	9.6	3.0	7.4	16.1	7.3	12.9	22.7	12.0	17.5	28.0	19.6	23.9

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.2	25.6	26.3	28.7	28.0	28.5	29.6	28.5	29.0	27.7	26.6	27.0
2	27.5	25.9	26.5	29.5	27.1	28.0	29.6	28.8	29.2	26.6	25.8	26.3
3	30.4	25.6	26.7	28.5	27.4	27.9	28.9	28.1	28.6	27.3	25.6	26.1
4	27.6	26.5	27.1	30.3	27.5	28.9	28.5	27.7	28.1	27.5	25.8	26.4
5	28.4	26.3	27.0	30.3	28.1	29.1	29.4	27.8	28.3	27.4	26.2	26.7
6	28.0	26.8	27.2	30.8	27.9	29.3	28.9	26.8	27.8	27.0	26.5	26.7
7	28.4	26.9	27.4	30.5	28.6	29.2	27.5	25.7	26.6	26.5	26.1	26.3
8	28.1	27.1	27.5	29.9	28.4	29.1	27.1	25.7	26.7	26.6	26.2	26.4
9	28.0	27.4	27.7	29.3	28.2	28.5	27.3	25.4	26.5	26.6	25.7	26.2
10	28.0	26.0	27.1	29.9	28.4	29.1	28.5	26.7	27.6	26.7	26.1	26.4
11	28.2	25.9	26.9	30.3	29.1	29.8	28.3	27.4	28.0	26.3	25.8	26.0
12	27.7	25.9	26.5	29.7	28.6	29.4	28.2	27.2	27.7	26.0	25.2	25.6
13	26.6	25.1	25.8	29.6	28.3	28.9	27.5	26.8	27.1	25.6	24.9	25.2
14	26.4	25.3	25.9	29.3	27.8	28.3	27.2	26.2	26.6	25.1	24.5	24.7
15	26.9	25.1	26.1	30.0	27.6	28.7	26.3	25.2	25.6	25.4	24.4	24.7
16	27.2	25.7	26.5	29.4	28.1	28.7	26.4	25.0	25.6	25.9	24.8	25.2
17	27.6	25.9	26.8	29.6	28.3	28.8	27.0	25.4	26.2	26.1	25.2	25.6
18	27.8	26.1	26.9	29.4	28.2	28.6	27.7	26.0	26.7	25.4	24.2	24.9
19	28.8	26.5	27.1	29.3	27.6	28.2	27.2	25.8	26.8	24.2	22.9	23.5
20	28.7	27.2	27.9	28.8	27.6	28.0	27.3	26.0	26.5	23.2	21.8	22.2
21	28.6	26.3	27.2	29.8	27.8	28.3	27.6	26.1	26.9	22.5	21.2	21.9
22	28.3	26.9	27.7	29.9	28.4	29.0	27.2	26.5	26.8	23.0	21.8	22.1
23	29.0	27.0	27.6	29.4	28.4	28.8	26.8	25.6	26.3	24.6	22.1	23.0
24	28.7	27.6	28.1	29.9	28.2	28.9	26.7	25.4	26.1	24.1	22.9	23.4
25	28.7	27.8	28.2	29.0	28.5	28.7	26.7	25.4	25.9	23.9	22.6	23.3
26	27.9	26.7	27.4	30.3	28.5	29.1	26.2	25.7	25.9	23.7	22.9	23.3
27	27.8	26.4	27.2	30.2	29.3	29.8	26.9	25.8	26.3	24.2	23.2	23.7
28	28.8	27.6	28.1	29.8	28.6	29.0	27.6	26.1	26.6	24.5	23.8	24.0
29	28.9	27.3	27.8	28.7	27.8	28.3	27.4	26.4	26.9	25.8	23.8	24.3
30	29.1	28.1	28.4	29.1	28.0	28.6	27.2	26.5	26.9	25.6	24.4	24.7
31	---	---	---	29.2	28.3	28.7	28.3	26.8	27.2	---	---	---
MONTH	30.4	25.1	27.2	30.8	27.1	28.8	29.6	25.0	27.0	27.7	21.2	24.9

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.9	22.2	22.5	18.3	17.8	18.1	12.7	11.5	12.1	8.9	8.7	8.8
2	22.7	21.4	22.0	18.4	18.1	18.3	11.6	10.7	11.0	9.1	8.8	9.0
3	21.4	20.4	20.8	18.4	18.0	18.3	10.8	9.2	9.8	9.2	8.9	9.1
4	21.6	20.6	21.0	18.4	17.8	18.1	9.3	8.7	9.1	9.1	8.9	9.0
5	21.6	20.0	21.0	18.4	17.9	18.1	9.3	8.7	9.0	10.7	8.9	9.7
6	21.3	20.8	21.2	18.6	17.9	18.3	9.3	8.4	8.8	11.8	10.1	11.2
7	21.3	21.1	21.2	19.0	18.5	18.6	8.6	7.6	8.2	10.8	8.7	9.3
8	21.3	21.1	21.2	19.1	18.4	18.7	8.1	7.0	7.7	9.5	8.0	8.9
9	21.2	20.9	21.0	18.4	16.4	17.2	8.8	7.8	8.1	9.6	6.4	8.1
10	21.4	20.9	21.2	16.5	15.8	16.0	9.1	8.0	8.6	6.9	5.5	6.3
11	21.3	20.9	21.1	17.7	15.9	16.5	9.4	8.9	9.2	5.7	4.7	5.3
12	21.0	20.6	20.8	17.9	16.7	17.3	9.5	9.0	9.2	6.2	5.0	5.7
13	21.3	20.8	21.1	17.1	15.5	16.6	9.4	8.6	8.9	6.1	5.4	5.7
14	21.4	21.0	21.1	15.5	13.6	14.5	8.8	8.6	8.6	6.1	5.4	5.8
15	21.2	20.2	20.7	13.6	13.0	13.3	8.6	8.0	8.4	6.2	5.8	6.0
16	20.2	19.1	19.6	14.0	13.4	13.6	9.0	8.6	8.7	6.0	5.5	5.8
17	20.0	18.6	19.3	14.6	13.6	14.1	9.6	8.7	9.1	5.8	5.2	5.4
18	19.5	18.8	19.2	14.8	14.6	14.7	9.3	8.5	8.8	7.2	5.4	6.2
19	18.8	18.4	18.5	15.3	14.1	14.7	9.3	8.8	9.1	7.1	6.6	6.8
20	19.6	18.4	19.1	15.1	14.3	14.7	9.3	7.3	8.4	6.8	5.8	6.2
21	19.9	19.1	19.6	14.8	14.0	14.4	8.5	6.5	7.4	5.8	5.2	5.5
22	19.8	18.8	19.4	15.2	14.4	14.9	8.8	7.2	8.0	5.8	5.5	5.7
23	18.8	17.3	17.9	15.2	15.2	15.2	8.4	7.0	7.8	5.8	5.3	5.6
24	18.1	17.1	17.5	15.3	15.2	15.2	8.8	7.3	8.1	5.9	5.0	5.5
25	17.3	16.8	17.0	15.5	14.8	15.2	9.0	7.7	8.6	5.8	4.8	5.1
26	17.5	17.0	17.2	15.2	14.5	14.9	9.0	8.6	8.8	4.9	4.3	4.5
27	17.8	17.3	17.6	15.1	15.0	15.1	8.9	8.2	8.4	4.5	4.2	4.3
28	18.2	17.6	17.9	15.6	14.8	15.2	8.2	8.0	8.2	4.2	3.9	4.0
29	18.1	17.9	18.0	14.9	13.1	13.8	8.3	8.0	8.2	4.2	3.4	3.9
30	18.0	17.3	17.8	13.5	12.3	13.1	8.7	8.1	8.5	4.4	4.0	4.2
31	18.1	17.5	17.8	---	---	---	8.7	8.5	8.6	4.3	3.6	3.8
MONTH	22.9	16.8	19.7	19.1	12.3	15.9	12.7	6.5	8.8	11.8	3.4	6.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.9	3.3	3.7	7.9	7.6	7.8	14.2	13.4	13.7	21.1	20.1	20.7
2	4.0	3.0	3.6	8.2	7.9	7.9	13.7	12.9	13.3	22.0	20.8	21.4
3	5.0	3.5	4.2	10.3	7.9	8.6	13.6	12.6	13.2	21.9	20.8	21.5
4	5.5	4.6	4.9	10.3	8.0	8.4	13.8	13.1	13.4	20.8	19.7	20.0
5	6.0	5.1	5.6	9.6	8.2	8.7	13.4	12.4	12.8	20.5	19.8	20.0
6	8.4	5.6	6.5	14.2	8.8	11.2	12.9	12.0	12.6	20.2	19.4	19.8
7	9.1	8.2	8.7	15.7	11.0	12.6	12.9	12.8	12.9	20.1	19.7	19.8
8	8.8	7.8	8.2	15.5	12.8	13.7	14.1	12.9	13.3	23.5	19.7	20.8
9	8.4	7.6	8.0	13.0	12.1	12.7	15.7	13.5	14.0	23.0	20.8	22.1
10	8.2	7.8	8.0	12.7	11.0	11.9	16.4	14.5	15.6	22.0	20.8	21.3
11	8.2	8.0	8.0	11.0	10.5	10.8	17.5	16.3	16.8	21.7	20.9	21.1
12	8.6	8.0	8.3	11.2	10.4	10.9	17.3	16.7	16.9	21.6	20.9	21.1
13	8.8	7.9	8.1	12.0	11.0	11.5	18.5	17.1	17.7	21.3	20.9	21.0
14	8.1	7.9	8.0	12.4	11.3	11.9	18.3	16.8	17.6	21.1	20.7	20.8
15	8.6	8.0	8.3	12.2	11.8	11.9	16.8	15.9	16.3	21.2	20.7	20.9
16	8.1	6.8	7.3	13.0	11.9	12.0	16.2	16.0	16.1	21.2	20.8	21.0
17	7.1	6.4	6.7	13.0	12.4	12.8	17.4	16.0	16.2	21.5	20.9	21.1
18	6.9	6.1	6.5	12.7	11.4	11.8	17.5	16.2	16.4	21.5	20.9	21.1
19	6.9	6.6	6.8	13.3	11.7	12.5	19.7	16.4	17.1	21.7	21.0	21.2
20	8.0	6.9	7.1	13.6	12.2	12.6	19.3	16.7	17.1	22.1	21.0	21.6
21	9.0	7.5	8.2	14.0	13.1	13.6	18.3	16.7	17.1	22.2	21.6	22.0
22	9.5	8.3	8.9	13.1	12.2	12.6	21.4	17.3	19.4	23.2	22.0	22.3
23	9.7	8.9	9.3	12.4	11.4	11.8	20.3	17.8	19.1	24.2	22.2	22.8
24	9.4	9.0	9.2	12.1	11.7	11.8	21.4	17.5	18.9	24.7	22.6	23.5
25	9.2	8.8	9.0	12.3	11.9	12.1	21.3	20.4	20.9	24.8	23.5	23.9
26	9.0	7.8	8.4	12.6	12.1	12.3	22.6	19.7	21.0	24.5	23.5	23.9
27	7.9	7.1	7.5	13.0	12.3	12.5	21.7	19.6	20.9	24.9	24.1	24.5
28	7.5	6.6	6.9	15.4	12.2	13.8	20.8	19.5	19.8	26.4	24.6	25.0
29	7.7	7.1	7.4	14.6	13.8	14.2	20.1	19.5	19.7	26.7	25.2	25.7
30	---	---	---	13.9	13.0	13.4	20.4	20.0	20.3	26.5	25.4	25.8
31	---	---	---	13.5	12.9	13.1	---	---	---	25.9	25.4	25.5
MONTH	9.7	3.0	7.3	15.7	7.6	11.7	22.6	12.0	16.7	26.7	19.4	22.0

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.8	25.4	25.5	27.4	27.1	27.2	29.4	28.5	28.9	27.3	27.0	27.1
2	25.8	25.4	25.6	28.0	27.0	27.3	29.5	29.0	29.1	27.0	25.8	26.3
3	25.9	25.4	25.6	27.6	27.3	27.4	29.0	28.3	28.5	26.3	25.6	26.0
4	27.3	25.4	26.2	27.5	27.1	27.4	28.4	28.2	28.3	26.6	25.8	26.2
5	27.1	26.2	26.6	27.8	27.1	27.5	28.5	28.0	28.3	26.8	26.2	26.4
6	27.1	26.4	26.7	27.8	27.5	27.7	28.5	27.0	27.8	27.0	26.6	26.7
7	26.7	26.2	26.4	27.8	27.5	27.6	27.1	26.2	26.6	26.6	26.1	26.3
8	26.6	26.0	26.3	27.8	27.4	27.5	27.4	26.8	27.1	26.6	26.1	26.3
9	26.7	26.0	26.3	28.1	27.4	27.7	27.3	27.0	27.1	26.4	25.7	26.1
10	26.6	26.0	26.2	28.3	27.7	27.8	27.2	27.0	27.1	26.7	26.1	26.3
11	26.5	25.8	26.1	28.1	27.7	27.8	27.6	27.0	27.2	26.5	25.7	26.0
12	26.6	25.9	26.3	28.3	27.6	27.9	27.8	27.1	27.3	25.9	25.1	25.6
13	25.9	25.2	25.5	28.2	27.6	27.8	27.5	27.0	27.2	25.6	24.9	25.2
14	26.1	25.7	25.9	28.3	27.6	28.1	27.2	26.5	26.9	25.1	24.5	24.7
15	25.9	25.6	25.8	28.4	27.5	28.1	26.6	26.0	26.4	24.7	24.4	24.5
16	26.2	25.6	25.9	28.5	28.1	28.4	26.3	25.8	26.0	25.3	24.4	24.6
17	26.4	25.8	26.1	28.6	28.3	28.5	26.1	25.9	26.0	26.0	24.8	25.5
18	26.5	26.0	26.2	28.4	28.1	28.3	26.2	26.0	26.0	25.4	24.1	24.8
19	26.4	26.0	26.3	28.3	28.2	28.3	26.1	25.9	26.0	24.1	23.1	23.5
20	27.1	26.2	26.5	28.3	28.0	28.2	26.0	25.9	25.9	23.8	21.8	22.5
21	27.3	26.4	27.0	28.2	28.0	28.1	26.0	25.9	25.9	22.5	21.3	21.6
22	27.5	26.5	26.8	28.4	27.8	28.0	26.3	25.9	26.1	22.7	22.0	22.3
23	27.4	26.2	26.7	28.6	27.9	28.1	26.6	26.1	26.3	22.7	22.4	22.6
24	27.0	26.5	26.8	28.5	27.8	28.1	26.5	26.1	26.3	23.7	22.5	23.0
25	27.1	26.7	27.0	28.6	27.8	28.1	26.3	25.3	25.9	23.8	22.8	23.2
26	27.2	26.4	26.9	28.8	28.0	28.3	26.4	25.7	26.0	23.9	23.0	23.4
27	27.3	27.0	27.2	29.3	28.0	28.5	26.9	25.8	26.3	23.6	23.2	23.4
28	27.7	27.0	27.2	29.1	28.3	28.7	27.0	26.1	26.6	24.5	23.4	23.8
29	27.7	27.3	27.4	28.5	27.9	28.3	27.3	26.3	26.7	24.1	23.7	23.9
30	27.5	27.2	27.3	28.8	28.0	28.3	27.2	26.5	26.9	24.9	23.9	24.6
31	---	---	---	29.2	28.2	28.8	27.2	26.8	27.0	---	---	---
MONTH	27.7	25.2	26.4	29.3	27.0	28.0	29.5	25.3	26.9	27.3	21.3	24.7

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.6	4.7	7.5	10.3	6.1	8.0	9.9	8.7	9.4	10.2	9.7	9.9
2	8.9	4.5	7.4	8.0	6.0	7.1	10.0	9.4	9.7	10.5	10.1	10.3
3	9.7	7.1	8.1	9.5	7.2	8.0	10.5	9.8	10.2	10.8	8.5	10.2
4	9.9	7.7	8.5	7.8	5.5	6.6	10.7	10.3	10.4	10.1	5.5	7.7
5	9.2	7.0	8.2	7.1	4.6	6.2	10.8	10.4	10.6	7.0	4.5	5.6
6	10.7	8.2	9.0	6.1	4.5	5.7	11.0	10.6	10.7	8.9	5.8	8.2
7	10.0	8.3	9.1	5.6	4.7	5.2	11.2	10.9	11.1	10.2	8.4	9.2
8	8.8	6.4	7.6	6.3	5.4	5.9	11.8	11.1	11.3	11.2	9.6	10.3
9	7.1	6.1	6.7	6.8	6.0	6.5	11.9	11.4	11.7	11.1	10.6	10.9
10	7.6	6.6	7.1	7.0	6.3	6.7	12.2	10.9	11.6	11.2	10.5	10.8
11	7.2	6.6	6.9	7.1	6.5	6.8	11.2	10.8	11.0	12.2	10.9	11.5
12	8.2	6.6	7.4	7.0	6.3	6.7	11.2	10.9	11.1	12.7	11.3	12.0
13	9.1	7.3	8.2	6.7	5.0	6.0	11.6	11.2	11.4	12.6	11.9	12.3
14	8.9	7.0	8.0	7.0	5.9	6.5	11.6	11.2	11.3	13.0	12.0	12.5
15	8.2	7.1	7.5	7.3	6.7	7.0	11.5	11.1	11.3	12.9	11.9	12.2
16	9.1	7.5	7.9	8.2	6.7	7.1	11.5	9.4	10.4	12.5	11.9	12.2
17	12.8	8.1	9.8	7.4	5.4	6.7	9.6	8.4	9.0	14.2	12.1	13.0
18	12.3	7.0	9.8	9.0	5.6	7.6	9.4	8.7	9.1	13.7	11.9	13.0
19	13.7	6.6	9.9	8.3	6.6	7.6	9.7	8.8	9.2	13.2	11.9	12.5
20	12.4	8.5	9.9	8.5	7.8	8.2	10.0	9.5	9.8	12.8	12.3	12.6
21	10.5	6.6	8.6	8.7	8.2	8.5	10.2	9.8	10	14.9	12.5	13.5
22	8.6	6.3	7.7	11.3	8.2	9.3	10.1	9.7	10	14.9	13.2	13.8
23	11.3	8.0	9.5	11.8	8.7	10.0	10.3	9.9	10.1	13.8	12.8	13.1
24	10.8	9.0	9.8	11.0	9.1	10.0	10.2	9.6	9.9	13.2	12.5	12.9
25	10.7	9.2	9.8	9.7	7.9	8.6	9.8	9.3	9.6	13.0	12.5	12.7
26	11.3	7.7	9.1	9.2	8.2	8.6	10.0	9.3	9.7	13.1	12.3	12.8
27	10.1	7.0	8.5	9.9	8.8	9.0	10.3	9.7	10.0	13.8	12.5	13.0
28	8.9	7.6	8.2	9.7	7.9	9.1	10.4	9.8	10.1	13.3	12.6	13.0
29	9.4	6.8	8.4	9.1	7.0	8.3	10.4	9.6	10.1	14.5	12.4	13.0
30	10.2	8.5	9.3	9.9	8.7	9.3	10.6	7.7	9.7	14.2	11.4	12.7
31	11.0	9.1	9.8	---	---	---	9.8	9.4	9.6	12.6	11.4	11.8
MONTH	13.7	4.5	8.5	11.8	4.5	7.6	12.2	7.7	10.3	14.9	4.5	11.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	11.8	12.3	11.9	11.1	11.6	10.9	9.3	9.9	9.0	7.5	8.2
2	12.9	11.9	12.5	11.8	10.0	10.8	10.9	9.4	10.2	8.4	7.3	7.8
3	12.8	11.7	12.4	11.2	10.2	10.7	11.3	10.2	10.8	8.0	6.9	7.5
4	13.6	12.4	12.9	11.2	9.8	10.4	10.7	9.6	10.4	9.5	6.6	7.9
5	13.6	12.0	12.9	10.2	9.3	9.8	10.1	9.6	9.8	9.1	6.8	7.6
6	13.5	11.1	12.5	9.3	7.1	8.4	11.5	9.5	10.3	11.0	6.3	8.3
7	11.3	10.3	10.9	10.0	8.4	9.3	12.4	9.9	11.0	9.9	7.0	8.9
8	12.3	10.2	11.0	8.8	7.7	8.2	11.7	9.7	10.6	10.8	8.1	9.4
9	13.3	11.0	11.8	9.4	8.1	9.1	12.9	9.7	10.9	11.9	8.4	9.9
10	13.9	11.7	12.4	9.9	8.9	9.4	11.7	10.4	10.9	10.9	7.4	9.5
11	13.6	12.3	12.9	10.2	9.8	10.0	10.6	9.2	10.1	8.1	5.7	7.1
12	13.5	11.5	12.4	10.4	9.2	9.8	9.7	8.5	9.0	7.5	5.8	6.5
13	13.9	10.6	12.1	10.9	9.8	10.3	9.2	8.3	8.7	7.5	5.9	6.6
14	13.6	11.8	12.5	11.8	10.3	10.9	9.6	7.9	8.7	7.1	4.4	6.4
15	12.5	10.9	11.9	12.4	10.4	11.3	9.6	8.5	9.1	7.2	0.5	4.8
16	11.6	10.4	10.9	12.3	10.9	11.4	11.8	8.5	9.4	7.2	0.8	5.1
17	11.3	10.5	10.9	11.2	10.5	10.8	10.6	8.2	9.5	9.2	3.4	7.5
18	11.7	10.6	11.1	11.8	9.9	11.0	9.8	8.0	8.7	9.4	7.8	8.5
19	12.9	10.9	11.9	10.9	10.1	10.5	9.0	7.5	8.4	8.4	1.5	6.1
20	15.6	11.1	12.6	11.4	9.6	10.5	11.2	7.3	8.6	6.9	0.1	4.6
21	12.7	10.1	11.2	10.7	9.2	9.9	9.0	7.9	8.3	8.8	0.3	4.0
22	14.2	11.3	12.5	10.9	9.3	9.8	9.8	7.8	8.7	6.5	1.5	4.0
23	13.5	11.1	12.4	11.4	9.3	10	10.5	8.4	9.3	8.5	3.3	5.5
24	12.5	11.0	11.5	12.2	10.4	10.9	10.7	7.6	9.0	8.0	4.9	5.8
25	11.3	10.8	11.0	13.4	10.2	11.6	10.9	8.6	9.4	8.6	5.5	6.9
26	11.4	10.7	11.1	13.4	11.6	12.2	9.7	8.3	9.0	9.7	4.6	7.1
27	11.8	10.9	11.3	11.8	10.6	11.2	10.2	8.0	9.0	8.8	5.6	7.6
28	11.6	11.1	11.4	10.7	9.2	10.2	10.7	8.3	9.3	7.9	4.4	6.1
29	12.2	11.3	11.8	10.1	9.0	9.6	11.0	8.8	9.9	8.0	6.2	7.1
30	---	---	---	11.4	9.2	9.9	9.7	8.3	9.2	7.0	6.1	6.5
31	---	---	---	11.4	9.7	10.5	---	---	---	7.0	6.1	6.6
MONTH	15.6	10.1	11.9	13.4	7.1	10.3	12.9	7.3	9.5	11.9	0.1	6.9

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	6.1	6.8	8.9	2.1	7.0	---	---	---	6.0	3.9	5.1
2	8.8	6.3	7.1	11.4	3.6	6.1	---	---	---	5.9	4.8	5.4
3	9.6	4.9	6.8	7.5	2.0	3.9	---	---	---	6.8	4.7	5.3
4	6.9	4.4	6.1	---	---	---	---	---	---	7.1	5.2	5.9
5	8.1	5.5	6.3	---	---	---	---	---	---	7.9	5.3	6.4
6	10.1	6.5	7.3	---	---	---	---	---	---	7.6	5.8	6.6
7	9.5	6.0	7.5	---	---	---	---	---	---	7.9	5.4	6.7
8	7.9	4.4	7.0	---	---	---	---	---	---	7.7	5.9	6.6
9	8.7	4.8	6.7	---	---	---	---	---	---	7.7	5.2	6.9
10	5.3	2.5	4.1	6.7	0.5	4.3	---	---	---	7.4	4.3	6.3
11	8.9	2.1	4.9	7.9	1.3	5.0	---	---	---	6.4	5.5	5.9
12	---	---	---	9.0	2.2	6.0	---	---	---	6.8	5.8	6.2
13	---	---	---	7.4	0.1	3.3	7.3	4.7	5.8	6.8	5.9	6.3
14	---	---	---	6.2	0.1	2.6	6.1	3.9	5.2	6.6	6.0	6.3
15	---	---	---	7.3	0.4	4.6	6.2	4.0	4.9	6.8	5.9	6.4
16	---	---	---	7.3	1.5	6.2	6.3	3.6	5.0	7.6	5.6	6.3
17	---	---	---	10.0	4.3	6.2	7.7	4.8	5.8	6.6	5.4	6.2
18	---	---	---	8.0	4.1	6.0	9.6	6.4	7.5	6.3	5.2	5.7
19	---	---	---	10.7	3.1	5.6	7.6	3.6	5.8	6.6	5.9	6.3
20	---	---	---	7.2	4.9	6.1	5.5	1.0	3.7	7.3	6.3	6.8
21	---	---	---	8.8	5.4	6.7	6.2	0.9	4.6	8.0	6.7	7.4
22	---	---	---	8.3	3.8	6.5	6.7	0.8	5.7	8.9	7.1	7.9
23	---	---	---	6.0	1.4	4.0	8.0	5.8	6.5	9.6	7.7	8.5
24	---	---	---	7.6	4.5	6.2	8.1	6.4	7.2	9.2	8.1	8.5
25	8.0	3.3	5.8	7.8	5.0	5.8	8.2	6.6	7.1	9.0	7.3	8.0
26	7.1	2.7	5.0	8.3	4.4	6.2	7.0	6.0	6.5	8.8	7.6	8.1
27	9.6	4.2	7.0	7.2	4.8	6.4	7.9	5.8	6.6	8.2	7.4	7.9
28	8.6	5.4	6.9	6.5	4.9	5.6	7.6	4.5	6.7	8.0	6.4	7.0
29	11.3	6.2	7.9	6.2	4.8	5.5	7.3	4.6	6.3	9.7	6.6	7.6
30	10.9	6.8	8.6	6.3	5.1	5.8	7.1	5.4	6.1	9.0	7.0	7.6
31	---	---	---	---	---	---	7.4	4.1	5.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.7	3.9	6.7

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	5.6	6.7	9.1	1.8	4.9	9.6	7.5	8.6	5.2	4.0	4.7
2	8.2	5.5	7.1	4.1	1.4	2.3	10.1	9.4	9.8	5.2	3.3	3.9
3	8.1	5.6	7.1	7.0	1.5	3.2	10.6	9.8	10.2	5.2	3.1	3.5
4	6.8	3.8	5.2	4.4	0.9	2.3	10.8	10.1	10.5	3.6	3.2	3.4
5	7.2	2.1	3.9	4.1	1.1	2.2	10.7	10.1	10.4	6.4	2.9	4.1
6	3.5	0.9	1.6	3.7	0.6	1.7	11.0	10.0	10.6	8.6	5.0	6.8
7	1.9	0.3	0.9	1.6	0.5	0.8	11.1	10.4	10.8	10.8	5.6	9.3
8	6.6	0.3	3.2	7.7	0.7	4.8	11.2	10.3	10.9	10.7	5.3	9.0
9	6.7	4.0	5.7	8.7	6.6	8.0	10.8	9.0	10.1	11.1	5.5	8.7
10	6.9	6.1	6.5	9.2	8.0	8.7	11.2	7.6	9.7	11.6	10.3	11.1
11	6.4	5.4	6.0	9.2	3.6	7.2	11.1	10.6	10.9	12.0	10.9	11.4
12	6.2	4.8	5.7	8.7	3.3	5.3	11.2	10.2	10.6	12.4	10.3	11.6
13	6.4	4.8	5.6	9.3	6.3	8.7	11.4	9.8	10.9	12.8	11.4	12.1
14	8.1	5.3	7.3	10.4	8.9	9.7	11.4	10.5	11.1	13.1	11.3	12.4
15	8.1	7.1	7.5	10.9	9.5	10.3	11.3	11.1	11.2	12.9	12.1	12.4
16	7.5	5.6	6.8	10.3	8.8	9.7	11.2	8.8	10.2	12.8	12.1	12.4
17	7.1	4.8	5.8	10.3	7.3	8.6	9.7	8.4	9.1	13.4	11.7	12.5
18	8.6	4.6	7.5	7.5	4.1	5.8	9.7	8.9	9.4	13.3	10.9	12.1
19	8.3	6.6	7.4	8.2	3.9	6.5	9.2	6.8	7.7	13.3	12.2	12.6
20	6.8	2.0	3.9	8.6	7.5	8.2	10.2	6.6	7.8	13.0	12.4	12.8
21	6.2	2.3	3.5	8.6	6.8	8.0	10.2	5.5	8.3	14.2	12.3	12.9
22	8.1	3.0	5.7	7.4	5.8	6.3	9.3	5.4	7.5	12.7	11.8	12.2
23	9.2	6.3	7.4	5.8	5.2	5.6	10.3	5.0	7.7	13.3	11.5	12.7
24	9.7	5.2	8.3	5.4	4.5	5.1	10.4	3.4	6.6	13.4	12.6	13.1
25	9.4	7.7	8.6	9.4	4.4	8.1	8.5	4.0	5.1	13.3	12.8	13.0
26	8.2	4.6	6.1	8.9	3.0	5.6	7.3	5.0	5.7	13.2	12.6	12.9
27	5.8	3.7	4.5	3.4	2.1	3.1	7.1	5.9	6.6	13.8	12.6	13.1
28	8.4	3.2	5.9	8.6	2.1	4.4	7.1	6.6	6.9	13.6	12.8	13.2
29	8.0	3.4	6.8	9.1	7.0	8.2	6.8	5.6	6.1	13.7	12.6	13.0
30	8.1	4.8	6.4	9.0	7.2	8.2	5.8	4.8	5.3	13.6	10.9	12.4
31	9.6	2.7	6.8	---	---	---	5.6	4.9	5.3	12.0	10.6	11.6
MONTH	9.7	0.3	5.9	10.9	0.5	6.0	11.4	3.4	8.8	14.2	2.9	10.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.8	10.7	11.6	10.8	7.3	8.7	9.5	5.2	7.3	7.6	3.4	5.6
2	12.8	10.5	11.8	7.5	5.1	6.3	10.0	8.6	9.2	7.8	6.0	7.2
3	12.7	11.1	12.0	8.3	3.6	5.7	10.2	8.7	9.5	7.5	6.0	6.8
4	12.9	9.1	11.6	6.3	3.3	4.4	9.5	8.4	9.2	7.4	2.7	6.1
5	13.4	11.8	12.6	4.4	2.0	3.4	9.1	8.5	8.8	6.3	2.8	4.4
6	12.9	10.4	11.8	7.4	2.1	4.6	9.1	6.3	8.0	6.9	1.7	3.2
7	11.0	9.9	10.6	8.3	3.3	5.0	6.4	4.2	5.2	3.2	0.4	1.2
8	11.2	10.0	10.4	8.1	6.9	7.6	5.8	3.0	4.2	10.8	0.2	3.2
9	12.2	9.0	10.8	8.4	5.6	7.5	9.9	2.5	4.4	9.5	1.0	5.5
10	11.8	4.4	8.8	9.3	8.1	8.7	10.1	2.3	8.4	4.4	0.3	1.8
11	10.2	3.7	5.0	9.4	7.1	8.5	9.8	7.7	9.0	1.6	0.1	0.3
12	12.2	3.4	8.7	8.7	6.6	7.7	9.0	7.3	8.4	0.3	0.0	0.1
13	12.7	1.4	10.3	9.8	6.6	8.6	8.8	7.3	8.1	0.1	0.0	0.1
14	6.9	1.3	2.6	11.3	8.6	10	9.0	7.7	8.3	0.1	0.0	0.1
15	11.9	0.8	6.5	10.9	8.2	9.8	9.2	8.0	8.6	0.1	0.0	0.0
16	10.8	7.4	9.8	9.6	6.6	7.8	8.8	6.6	7.8	0.1	0.0	0.0
17	10.9	8.6	10.1	9.9	9.1	9.6	7.5	3.7	5.4	0.1	0.0	0.0
18	11.2	9.7	10.5	10.0	2.1	4.5	6.7	3.7	4.9	0.0	0.0	0.0
19	10.5	8.3	9.5	10.3	1.5	6.7	8.6	2.9	4.8	0.0	0.0	0.0
20	10.6	6.5	8.0	9.9	7.9	9.2	7.8	1.8	4.0	1.0	0.0	0.1
21	11.8	6.1	9.7	10.1	8.8	9.4	4.9	2.0	3.1	0.2	0.0	0.1
22	13.4	9.8	11.5	10.0	8.9	9.4	8.7	1.9	5.4	2.6	0.0	0.3
23	12.8	9.7	11.7	9.6	8.0	8.8	7.4	0.6	3.9	4.7	0.0	0.8
24	11.9	10.2	10.8	8.3	6.3	7.4	8.6	0.2	3.3	5.4	0.0	1.5
25	10.7	10.2	10.4	7.0	4.9	5.9	9.6	4.2	8.1	5.3	0.1	2.3
26	10.8	10.0	10.5	5.9	3.8	5.0	8.6	2.8	6.3	4.7	0.0	1.3
27	11.1	10.2	10.6	7.6	3.8	4.8	8.2	1.0	5.7	2.0	0.0	0.6
28	10.8	10.0	10.5	8.7	3.8	6.5	8.2	2.6	6.9	3.6	0.0	0.3
29	10.5	7.9	9.8	9.0	7.5	8.4	7.1	0.9	3.8	5.1	0.0	0.7
30	---	---	---	8.6	6.5	7.4	7.5	3.3	5.2	5.9	0.4	3.2
31	---	---	---	7.3	5.0	6.0	---	---	---	3.9	0.7	2.3
MONTH	13.4	0.8	9.9	11.3	1.5	7.2	10.2	0.2	6.5	10.8	0.0	1.9



## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.8	0.1	1.1	0.2	0.0	0.1	6.2	4.6	5.4	4.0	1.7	2.6
2	2.4	0.1	0.5	0.4	0.0	0.2	5.6	4.1	5.0	7.3	1.7	5.8
3	2.6	0.0	0.6	0.3	0.0	0.2	7.0	4.7	5.6	7.2	2.5	5.5
4	6.1	0.0	1.9	0.3	0.0	0.2	6.2	4.5	5.1	8.0	2.2	5.5
5	4.7	0.5	3.2	0.3	0.0	0.2	5.4	2.5	4.0	---	---	---
6	5.4	0.5	3.8	0.4	0.1	0.2	7.2	2.0	5.6	---	---	---
7	4.1	0.0	0.9	0.4	0.1	0.2	7.5	6.1	6.7	---	---	---
8	0.2	0.0	0.1	0.6	0.1	0.3	6.6	5.3	6.0	---	---	---
9	4.6	0.0	0.6	1.6	0.0	0.2	5.9	3.4	4.2	---	---	---
10	1.6	0.0	0.5	0.1	0.0	0.1	4.0	0.8	2.0	---	---	---
11	4.3	0.0	1.0	0.1	0.0	0.0	4.4	0.6	1.3	6.6	4.3	5.9
12	6.2	0.0	4.1	0.1	0.0	0.0	3.0	0.1	0.8	7.0	6.0	6.4
13	6.0	1.7	4.6	0.1	0.0	0.0	5.2	0.0	2.5	7.0	6.1	6.5
14	4.8	0.2	2.3	0.2	0.0	0.1	5.3	1.7	4.0	6.8	6.3	6.5
15	4.6	0.0	1.7	1.1	0.0	0.1	3.6	2.0	2.7	6.6	5.5	6.2
16	5.0	0.0	1.9	0.1	0.0	0.0	3.5	1.8	2.6	6.1	2.4	5.1
17	4.3	0.0	0.9	0.2	0.0	0.0	2.8	1.0	1.8	6.6	4.9	6.0
18	2.4	0.0	0.3	1.5	0.0	0.1	1.0	0.0	0.4	6.4	5.4	5.9
19	0.2	0.0	0.0	0.6	0.0	0.0	0.1	0.0	0.0	6.6	3.8	6.1
20	4.1	0.0	0.5	4.2	0.0	0.6	0.3	0.0	0.0	7.1	4.3	6.4
21	5.4	0.1	2.3	0.3	0.0	0.1	0.1	0.0	0.0	7.1	4.1	6.5
22	4.0	0.0	0.5	0.1	0.0	0.0	0.1	0.0	0.0	6.4	4.1	5.3
23	0.9	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	5.4	3.0	4.0
24	0.7	0.0	0.1	0.9	0.0	0.0	7.5	0.0	1.1	8.8	3.0	6.1
25	0.7	0.0	0.3	0.3	0.0	0.0	7.7	4.7	6.6	8.3	4.7	7.2
26	4.3	0.0	1.3	0.5	0.0	0.0	7.2	5.5	6.3	8.5	3.6	7.4
27	4.1	1.3	2.1	2.0	0.0	0.4	7.9	3.9	6.6	7.8	5.3	6.6
28	2.9	0.3	0.9	3.6	0.0	0.7	7.3	3.6	6.0	6.9	2.5	5.4
29	2.2	0.0	0.5	4.6	0.0	1.3	6.8	1.6	5.2	6.6	5.5	6.1
30	0.4	0.0	0.1	5.8	0.1	2.3	6.1	3.4	5.5	7.3	5.8	6.9
31	---	---	---	6.6	3.9	5.4	5.9	4.0	5.1	---	---	---
MONTH	6.2	0.0	1.3	6.6	0.0	0.4	7.9	0.0	3.5	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	112	54	86	110	64	84	92	81	88	88	83	85
2	102	52	85	86	63	76	92	86	89	91	87	89
3	108	80	90	104	77	86	92	88	90	95	75	89
4	112	85	94	86	58	71	93	89	91	91	48	69
5	105	78	92	78	49	67	94	91	92	63	40	51
6	122	92	101	67	48	61	94	91	92	82	52	75
7	114	94	103	61	51	56	95	92	94	88	75	80
8	100	72	86	67	59	63	99	92	94	94	81	87
9	80	68	75	70	63	67	100	95	98	91	87	89
10	86	74	80	71	64	68	102	95	99	90	85	88
11	81	74	77	73	65	68	98	94	96	94	86	90
12	93	74	83	72	63	68	97	94	96	100	88	94
13	104	82	92	69	51	61	100	96	98	100	94	97
14	101	79	90	69	59	64	100	97	98	105	95	100
15	92	79	84	70	64	67	99	95	97	104	96	98
16	100	81	86	81	64	69	99	81	89	100	95	97
17	144	87	107	71	52	64	82	74	78	114	96	103
18	136	76	107	88	54	74	80	75	78	109	98	105
19	152	71	106	82	64	76	82	74	78	109	97	103
20	136	92	106	85	78	81	84	79	81	104	99	101
21	113	72	93	86	81	83	84	80	82	119	99	108
22	93	69	84	113	81	91	83	79	81	119	104	110
23	120	85	101	123	86	101	85	80	83	111	102	104
24	114	94	103	112	92	102	86	81	84	106	98	102
25	111	95	102	99	79	87	83	78	81	103	98	100
26	120	81	95	91	80	84	84	78	81	101	95	99
27	107	73	89	97	85	88	86	80	83	106	96	100
28	95	81	88	95	79	90	86	82	84	102	96	99
29	101	72	89	87	69	80	86	79	84	111	93	99
30	109	90	98	93	83	87	89	66	83	108	88	97
31	119	96	104	---	---	---	85	80	83	97	87	90
MONTH	152	52	93	123	48	76	102	66	88	119	40	93
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	99	89	93	104	92	99	106	90	96	101	84	92
2	99	90	95	103	88	96	105	90	98	96	82	89
3	101	89	96	104	92	98	109	96	103	91	77	86
4	109	96	101	105	94	99	102	92	100	106	73	88
5	109	95	103	100	92	96	96	90	93	103	75	85
6	109	95	102	94	68	82	111	89	97	129	69	93
7	99	88	95	102	84	93	124	93	106	118	80	103
8	106	87	94	88	75	80	116	94	104	128	94	110
9	111	92	100	91	77	87	132	96	109	146	98	117
10	120	99	105	91	83	87	120	104	110	131	88	113
11	118	105	111	94	88	91	111	96	105	95	67	84
12	117	98	107	97	82	90	100	88	94	90	68	78
13	122	89	103	102	89	96	98	88	91	91	70	79
14	118	101	108	110	95	101	101	83	91	85	53	77
15	108	93	102	118	96	105	99	86	93	87	6	58
16	97	87	91	119	103	109	124	86	96	86	9	61
17	92	86	90	106	99	102	111	86	99	114	40	91
18	96	86	91	112	92	103	105	83	92	117	95	104
19	107	88	97	104	95	99	99	82	90	103	18	74
20	129	94	105	110	89	99	128	79	94	84	1	55
21	110	85	96	104	88	96	101	87	93	107	3	47
22	124	97	108	104	87	93	111	86	97	80	17	48
23	119	96	108	107	85	92	122	94	105	105	39	66
24	109	96	100	117	96	103	123	86	102	99	59	71
25	98	93	95	131	97	111	124	96	106	106	66	84
26	98	91	95	131	115	120	112	94	103	124	56	87
27	98	92	94	118	105	112	117	91	103	112	68	95
28	97	90	94	107	91	102	120	91	103	100	54	76
29	103	94	98	99	88	94	123	97	110	102	78	89
30	---	---	---	112	88	96	109	93	103	86	75	80
31	---	---	---	113	95	103	---	---	---	87	74	81
MONTH	129	85	99	131	68	98	132	79	100	146	1	83

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	97	75	85	115	27	91	---	---	---	77	49	64
2	112	78	89	150	46	78	---	---	---	74	59	67
3	128	60	85	96	25	50	---	---	---	86	58	66
4	88	55	77	---	---	---	---	---	---	90	64	73
5	105	69	80	---	---	---	---	---	---	100	66	81
6	129	82	92	---	---	---	---	---	---	96	73	83
7	123	76	95	---	---	---	---	---	---	99	67	84
8	100	56	89	---	---	---	---	---	---	96	73	83
9	111	61	86	---	---	---	---	---	---	95	65	86
10	66	32	52	88	6	56	---	---	---	92	54	79
11	114	26	61	105	17	67	---	---	---	79	68	74
12	---	---	---	118	29	79	---	---	---	84	71	76
13	---	---	---	97	1	43	93	59	73	83	72	77
14	---	---	---	81	1	33	76	49	65	80	73	76
15	---	---	---	97	5	60	76	50	60	82	71	78
16	---	---	---	96	20	81	78	44	61	94	68	76
17	---	---	---	132	56	81	97	59	72	81	66	76
18	---	---	---	105	53	78	122	79	94	76	63	69
19	---	---	---	140	40	73	96	45	73	78	71	74
20	---	---	---	94	63	78	69	12	47	84	74	78
21	---	---	---	116	69	86	78	11	58	93	76	85
22	---	---	---	110	50	85	85	10	72	104	81	90
23	---	---	---	78	18	53	100	72	81	116	89	100
24	---	---	---	101	59	81	101	78	89	110	95	100
25	103	42	74	101	65	76	103	81	88	107	85	94
26	90	34	63	111	57	81	87	74	80	104	89	95
27	123	53	88	96	63	85	99	73	82	98	87	94
28	111	69	88	86	64	73	97	56	83	96	76	84
29	147	79	101	80	62	71	92	58	79	119	79	91
30	141	87	111	82	66	75	89	68	77	110	84	92
31	---	---	---	---	---	---	95	52	70	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	119	49	82

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	93	65	78	96	19	52	88	71	80	45	35	41
2	94	64	81	44	15	24	92	86	89	45	29	34
3	90	63	80	74	16	34	93	88	90	45	27	30
4	76	43	59	47	10	24	93	88	91	31	28	29
5	80	24	44	43	12	24	92	88	90	58	25	36
6	39	10	18	39	6	18	94	87	91	80	45	62
7	21	3	10	17	5	9	94	89	92	93	50	81
8	75	3	36	83	8	51	94	87	91	93	46	78
9	76	45	64	89	70	83	91	77	86	92	48	73
10	78	69	73	94	82	88	96	66	84	93	85	90
11	72	61	68	93	38	74	97	92	95	96	86	90
12	70	54	63	90	35	55	98	89	93	99	82	92
13	72	54	63	96	65	89	98	85	94	103	92	96
14	91	60	83	101	89	96	98	90	95	105	91	100
15	91	79	84	105	92	98	97	94	96	104	97	100
16	83	62	75	99	85	94	96	76	87	103	96	100
17	76	52	63	99	72	83	83	74	79	106	93	99
18	94	50	82	74	40	57	83	77	81	110	87	98
19	89	70	79	82	38	64	80	59	67	110	100	103
20	73	22	42	85	74	81	85	57	67	107	100	103
21	68	25	38	84	67	78	84	47	69	114	98	103
22	88	33	62	73	58	62	77	46	63	102	94	97
23	97	66	79	58	52	56	87	43	65	106	92	101
24	102	55	87	54	45	51	87	29	56	108	99	104
25	98	80	89	94	44	80	72	34	44	105	100	102
26	85	48	64	88	30	55	63	43	50	102	98	100
27	61	39	47	34	21	31	60	51	57	107	97	101
28	89	34	62	86	21	44	60	56	59	104	98	101
29	85	36	72	87	69	79	58	47	52	105	95	99
30	85	51	68	85	69	78	49	41	45	104	84	95
31	101	29	72	---	---	---	48	42	46	92	81	89
MONTH	102	3	64	105	5	60	98	29	76	114	25	85
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	97	81	88	91	62	73	92	50	70	86	38	63
2	98	80	90	63	43	53	96	82	89	89	67	81
3	100	85	93	73	31	49	98	83	91	86	68	78
4	102	71	91	56	28	37	91	81	89	82	30	67
5	108	94	100	39	17	29	87	80	83	70	31	48
6	103	83	97	72	18	42	85	60	75	75	19	35
7	94	85	91	84	30	48	61	40	50	35	4	13
8	96	85	88	81	66	73	57	29	40	128	2	37
9	103	77	91	80	53	71	100	24	43	111	11	64
10	100	37	74	85	77	81	103	23	85	50	3	20
11	87	31	42	85	64	77	103	79	92	18	1	3
12	104	29	74	79	60	70	93	75	87	3	0	1
13	109	12	87	90	60	79	94	76	86	1	0	0
14	58	11	22	106	80	93	94	81	87	1	0	0
15	102	7	55	102	76	91	94	81	88	1	0	0
16	91	61	82	91	61	73	90	67	80	1	0	0
17	89	71	83	94	86	91	78	38	55	1	0	0
18	92	79	86	94	19	42	70	38	51	0	0	0
19	86	68	78	98	14	64	94	30	50	0	0	0
20	90	54	66	95	74	87	85	19	42	11	0	0
21	102	51	83	98	85	91	52	21	32	2	0	0
22	117	84	99	95	84	89	98	20	60	31	0	3
23	113	84	102	88	74	81	82	6	43	56	0	10
24	104	89	94	77	59	68	98	2	37	65	0	18
25	93	88	90	65	46	55	109	47	91	64	1	27
26	93	85	89	55	36	47	99	31	72	57	0	16
27	93	86	89	72	36	45	92	11	64	24	0	7
28	90	83	87	87	35	64	92	28	76	45	0	4
29	88	66	81	88	73	82	78	10	42	64	0	8
30	---	---	---	83	63	71	83	36	58	74	5	39
31	---	---	---	70	48	58	---	---	---	48	9	28
MONTH	117	7	82	106	14	67	109	2	67	128	0	22

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	59	1	14	3	0	2	81	60	70	50	21	32
2	30	1	6	5	0	2	73	54	65	91	21	72
3	32	0	7	4	0	2	90	61	73	89	31	67
4	77	0	23	4	0	3	80	58	66	99	27	68
5	59	6	40	4	0	3	70	32	52	---	---	---
6	68	6	48	5	1	3	92	26	71	---	---	---
7	51	0	11	5	1	3	93	76	84	---	---	---
8	2	0	0	8	1	3	84	67	76	---	---	---
9	58	0	7	20	0	3	75	43	53	---	---	---
10	20	0	6	1	0	0	50	10	26	---	---	---
11	53	0	12	1	0	0	56	8	17	82	53	74
12	77	0	51	1	0	0	38	1	10	86	74	79
13	74	21	56	1	0	0	66	0	32	86	74	79
14	59	2	29	3	0	0	67	21	51	82	76	79
15	57	0	21	14	0	0	45	25	34	80	66	75
16	62	0	24	1	0	0	43	22	33	74	29	61
17	54	0	11	3	0	0	35	12	22	81	59	74
18	30	0	3	19	0	1	12	0	5	77	65	71
19	2	0	0	8	0	0	1	0	0	78	45	72
20	52	0	6	54	0	8	4	0	0	82	51	74
21	68	1	29	4	0	0	1	0	0	81	47	74
22	51	0	6	1	0	0	1	0	0	74	47	61
23	11	0	2	4	0	0	0	0	0	62	35	46
24	9	0	2	12	0	0	94	0	14	104	35	72
25	9	0	4	4	0	0	96	58	81	99	55	84
26	54	0	17	6	0	0	89	68	78	101	42	87
27	52	16	27	26	0	5	99	48	82	92	63	77
28	37	4	12	47	0	9	91	45	74	83	29	64
29	28	0	7	59	0	16	86	20	65	79	66	73
30	5	0	2	75	1	29	76	42	69	88	69	83
31	---	---	---	86	51	70	74	50	64	---	---	---
MONTH	77	0	16	86	0	5	99	0	44	---	---	---