

## 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 reinstalled 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 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	9.3, September 23, 1998	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	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

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

## EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	17.9, October 20	<0.1, on many days during the year
SALINITY (BOTTOM), ppt	19.6, October 22	<0.1, on many days during the year
pH (TOP), standard units	9.0, May 16, June 25	6.3, June 7, 8, 9
pH (BOTTOM), standard units	8.7, May 16	4.3, August 21
WATER TEMPERATURE (TOP), °C	31.0, July 8	0.6, January 25
WATER TEMPERATURE (BOTTOM), °C	29.1, July 22	1.2, January 24
DISSOLVED OXYGEN (TOP), mg/L	17.3, December 31	<1.0, October 5, August 30, 31
DISSOLVED OXYGEN (BOTTOM), mg/L	14.7, December 18	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	158, May 16	<10, August 30, 31
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	137, May 16	<10, on many days during the year

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	13.5	14.2	13.3	12.0	12.7	14.1	11.3	13.1	8.8	6.5	7.9
2	16.1	13.8	14.8	14.1	12.1	12.8	12.5	10.1	11.5	7.0	2.4	5.2
3	17.2	14.8	15.7	14.1	12.6	12.8	13.4	10.0	12.0	7.0	1.8	4.0
4	17.3	14.3	15.7	13.1	10.9	12.6	---	---	---	7.5	5.0	6.7
5	17.7	14.0	15.1	12.6	11.0	11.9	---	---	---	12.8	5.1	8.0
6	17.7	14.5	15.3	12.8	10.3	11.6	11.9	10.8	11.3	12.2	4.1	7.0
7	15.0	14.4	14.6	12.6	10.9	11.6	10.9	9.5	10.5	13.9	10.9	12.3
8	16.7	14.5	15.8	14.0	11.0	12.0	11.3	8.7	10.1	14.2	12.0	13.5
9	16.7	14.7	15.7	14.5	11.2	13.0	10.6	8.3	9.4	14.2	9.4	13.1
10	16.2	14.0	15.3	14.9	12.2	13.3	12.2	9.7	11.3	13.1	6.8	9.8
11	15.2	14.5	14.8	13.4	11.9	12.5	11.9	9.0	10.4	7.8	4.4	5.8
12	15.3	14.5	14.9	14.2	9.0	11.4	---	---	---	10.9	4.2	7.8
13	15.1	14.7	14.9	14.3	10	11.2	---	---	---	13.6	8.6	10.1
14	15.9	14.4	15.4	17.0	10.6	14.7	---	---	---	13.6	8.5	9.4
15	16.6	14.7	15.8	17.1	14.8	16.4	---	---	---	11.5	9.3	10.8
16	16.3	13.9	15.3	15.8	9.7	12.5	---	---	---	11.5	10.6	11.3
17	16.0	14.7	15.5	16.1	9.6	12.4	8.5	7.3	8.1	11.5	9.5	11.1
18	15.3	14.8	15.1	12.4	11.0	11.7	8.2	6.0	7.4	11.4	10	10.7
19	16.2	15.3	15.7	13.5	10	11.6	8.0	4.2	6.9	11.9	9.9	11.2
20	17.9	14.5	15.9	16.7	11.6	14.3	9.3	7.5	8.5	---	---	---
21	17.1	12.4	14.7	15.9	11.7	14.1	9.9	7.5	8.7	12.2	10.2	11.2
22	17.6	12.8	15.7	17.3	11.3	14.7	10.2	6.3	8.4	11.1	10.1	10.6
23	17.8	14.4	16.5	15.7	12.6	13.3	9.2	4.3	6.9	11.0	9.0	10.4
24	16.1	11.7	13.3	13.9	11.8	12.8	9.0	2.7	5.3	11.3	8.7	10.4
25	12.8	11.9	12.4	13.9	9.2	11.5	9.4	4.0	6.9	10.4	7.8	9.0
26	13.1	12.1	12.7	10.5	6.5	9.0	9.1	6.3	8.5	10.6	8.1	9.4
27	13.5	12.5	13.0	13.5	7.6	10.5	8.1	3.8	5.9	10.6	9.8	10.2
28	13.9	13.0	13.3	13.6	9.2	11.0	7.1	3.9	6.0	10.6	9.6	10.2
29	13.5	13.1	13.4	14.3	8.9	10.2	11.5	5.5	8.8	11.4	10.0	10.8
30	13.5	12.0	12.8	17.1	12.8	15.2	7.6	5.7	7.2	11.4	9.8	10.6
31	13.4	12.4	13.0	---	---	---	7.6	5.0	7.1	10.5	6.6	9.6
MONTH	17.9	11.7	14.7	17.3	6.5	12.5	---	---	---	---	---	---



## NEUSE RIVER BASIN

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SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.3	14.2	15.3	15.2	12.4	13.8	17.1	12.6	14.2	14.3	8.0	10.5
2	17.2	15.7	16.5	14.7	12.4	13.4	14.5	12.9	14.1	16.3	9.5	14.4
3	17.8	15.4	17.1	15.2	12.8	13.9	14.7	11.5	13.0	16.9	13.4	15.7
4	18.2	16.9	17.7	15.1	12.5	13.4	---	---	---	18.1	14.0	17.2
5	18.7	16.9	17.9	15.2	12.0	13.3	---	---	---	18.1	14.3	17.4
6	19.0	15.1	16.9	15.3	12.0	13.4	12.4	11.5	11.9	18.1	11.8	17.1
7	17.2	14.6	15.9	13.1	11.2	12.2	13.9	11.1	12.2	15.1	11.8	13.2
8	16.7	14.5	16.0	15.1	12.6	14.3	14.3	13.2	14.1	15.7	13.2	14.0
9	16.7	16.2	16.5	15.5	13.1	15.1	14.3	9.8	11.7	14.3	13.1	13.8
10	16.6	15.1	16.3	15.4	13.6	14.8	13.3	11.5	12.5	15.1	13.3	14.2
11	16.1	14.6	15.2	14.5	12.4	13.6	13.9	12.1	13.0	15.5	14.4	15.3
12	15.5	14.7	15.2	15.8	10.4	13.6	---	---	---	15.6	11.6	14.3
13	16.2	15.3	15.6	17.0	10.2	12.3	---	---	---	15.0	13.8	14.7
14	16.5	15.3	16.0	18.0	14.9	17.0	---	---	---	15.1	13.4	14.6
15	17.0	15.6	16.5	17.8	17.0	17.5	---	---	---	14.9	11.0	12.3
16	17.5	15.3	16.3	17.1	15.3	16.3	---	---	---	11.8	11.2	11.6
17	16.8	15.1	16.0	17.5	11.7	15.5	12.5	8.6	10.4	11.8	11.1	11.5
18	15.5	15.1	15.2	14.8	11.5	12.3	8.8	7.6	8.2	13.0	10.6	11.7
19	18.4	15.5	17.1	17.5	11.8	14.8	11.8	7.5	10.2	14.3	11.5	12.2
20	18.6	15.5	18.0	18.1	16.9	17.6	10.8	8.6	9.0	---	---	---
21	18.8	13.0	17.7	18.2	16.1	17.6	12.7	8.3	9.6	12.8	10.9	11.9
22	19.6	16.6	18.6	18.4	15.9	17.0	13.6	9.6	12.0	11.3	10.6	10.9
23	18.6	15.9	17.7	15.9	12.8	14.1	14.4	9.1	13.0	11.2	9.5	10.6
24	17.3	11.9	14.9	15.6	13.2	14.3	14.3	5.1	11.5	11.7	9.8	11.1
25	12.8	12.0	12.6	17.7	14.1	16.1	10.2	6.9	8.5	12.4	10.8	11.5
26	13.3	12.7	13.0	18.3	16.1	17.6	9.2	8.6	8.9	12.8	11.9	12.6
27	13.8	13.0	13.3	18.2	13.3	16.0	9.7	8.0	8.8	12.8	10.2	10.8
28	14.0	13.1	13.5	18.6	11.1	14.3	12.4	9.1	11.3	12.6	10.7	11.7
29	13.6	13.2	13.5	18.8	10.8	17.4	14.6	10.9	12.7	12.8	11.5	12.3
30	13.5	12.2	13.1	18.3	15.4	16.9	13.5	12.1	12.6	12.7	11.1	11.7
31	13.6	12.6	13.2	---	---	---	14.2	11.9	13.0	11.8	10.2	10.9
MONTH	19.6	11.9	15.8	18.8	10.2	15.0	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.9	11.1	13.3	7.8	2.6	5.8	3.6	0.06	1.4	4.5	2.1	3.6
2	15.5	12.2	14.8	---	---	---	3.3	0.09	1.0	6.0	0.1	2.4
3	15.5	14.7	15.2	9.5	2.6	7.9	4.0	0.2	1.6	6.5	0.5	4.0
4	15.1	12.0	14.0	5.2	2.1	2.8	3.7	0.2	1.3	6.4	0.5	1.2
5	14.5	10.3	12.8	7.6	1.8	4.9	1.1	0.2	0.5	0.9	0.5	0.6
6	---	---	---	---	---	---	1.4	0.4	1.0	2.7	0.5	1.0
7	---	---	---	---	---	---	1.8	0.3	0.8	5.3	2.1	3.9
8	---	---	---	9.7	2.0	6.4	0.7	0.2	0.4	7.1	3.9	5.7
9	---	---	---	8.9	3.1	6.7	1.4	0.07	0.5	7.1	3.5	6.4
10	---	---	---	9.5	1.4	7.5	1.7	0.07	1.1	7.0	5.1	6.4
11	---	---	---	3.8	0.7	1.9	0.8	0.06	0.3	7.6	6.0	7.1
12	---	---	---	5.5	0.6	3.3	0.4	0.06	0.2	8.2	4.4	7.4
13	---	---	---	5.8	3.6	4.8	0.2	0.09	0.1	8.4	4.3	6.0
14	---	---	---	5.8	2.2	3.0	0.10	0.05	0.07	5.1	3.6	4.2
15	---	---	---	7.8	2.0	3.8	0.06	0.05	0.05	4.1	3.7	3.9
16	---	---	---	4.8	0.7	2.3	0.1	0.04	0.05	4.2	3.8	4.0
17	---	---	---	3.9	2.1	2.8	0.06	0.04	0.05	4.3	3.3	3.9
18	---	---	---	3.8	0.1	1.0	0.06	0.04	0.05	4.2	3.5	4.0
19	---	---	---	2.0	0.3	1.2	0.1	0.04	0.06	4.2	3.2	3.7
20	---	---	---	1.7	0.5	0.8	0.10	0.04	0.05	4.3	3.7	4.1
21	12.1	10.0	11.8	1.3	0.6	1.0	0.2	0.04	0.05	4.5	3.7	4.2
22	12.0	4.9	10.6	1.2	0.5	1.1	0.4	0.04	0.06	4.4	3.4	3.8
23	9.0	1.8	4.0	6.2	0.4	2.7	2.0	0.06	0.3	4.0	3.0	3.7
24	6.8	3.7	5.1	1.2	0.4	0.6	2.0	0.1	0.5	3.8	2.9	3.2
25	4.9	3.1	3.8	1.0	0.1	0.5	2.6	0.08	0.5	3.5	2.4	3.0
26	3.7	2.9	3.2	0.7	0.10	0.3	0.2	0.08	0.1	3.4	1.3	3.0
27	3.9	2.5	3.2	0.5	0.2	0.4	4.0	0.07	1.1	3.5	1.1	1.8
28	5.1	1.8	3.2	0.3	0.05	0.1	4.4	2.2	3.6	1.5	0.5	0.9
29	---	---	---	0.06	0.05	0.05	4.6	2.5	3.6	2.5	0.3	1.3
30	---	---	---	0.1	0.05	0.06	4.3	2.5	3.6	1.9	0.2	0.7
31	---	---	---	2.3	0.1	0.9	---	---	---	1.8	0.04	0.7
MONTH	---	---	---	---	---	---	4.6	0.04	0.8	8.4	0.04	3.5

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.5	0.04	0.1	6.0	2.8	4.2	11.1	8.8	10.0	14.2	13.3	13.9
2	0.4	0.05	0.1	6.7	2.5	4.2	11.4	8.8	10.1	13.7	13.2	13.4
3	0.05	0.04	0.05	2.7	2.1	2.3	11.6	9.5	10.9	14.2	12.6	13.5
4	0.05	0.04	0.04	4.6	2.3	3.5	12.0	8.6	11.2	14.3	12.0	13.9
5	0.05	0.04	0.05	5.9	2.9	4.2	12.1	9.7	11.6	14.6	13.1	14.3
6	0.07	0.04	0.05	6.0	3.6	4.8	13.1	11.2	12.4	14.7	5.3	13.3
7	0.06	0.04	0.05	6.0	4.5	5.3	13.0	9.7	12.0	14.5	6.6	9.1
8	0.05	0.04	0.05	5.7	3.8	4.7	13.1	10.8	12.2	13.1	6.1	7.6
9	1.7	0.04	0.2	5.7	4.3	5.4	11.7	3.4	7.5	9.8	8.1	9.1
10	1.3	0.06	0.3	5.9	2.0	4.9	9.1	2.8	5.6	9.6	8.0	9.2
11	2.1	0.05	0.2	5.2	2.4	3.8	12.6	1.1	6.8	9.2	8.6	8.7
12	3.5	0.06	0.9	4.7	2.8	3.6	13.3	4.6	10.7	9.7	8.6	9.3
13	5.3	0.06	3.4	4.6	1.7	3.5	12.7	2.7	9.7	9.5	8.6	9.1
14	6.0	3.5	5.3	4.0	1.7	2.9	13.3	3.2	8.0	9.2	8.8	9.0
15	6.2	3.9	5.6	3.4	2.5	2.9	13.5	9.0	12.3	---	---	---
16	6.0	1.0	2.9	3.9	2.5	3.3	13.8	10.5	12.2	---	---	---
17	2.2	0.7	1.3	5.3	3.2	4.3	13.9	10.9	12.8	---	---	---
18	3.0	0.8	1.7	6.9	5.3	6.2	13.9	12.4	13.3	---	---	---
19	3.2	2.0	2.7	7.3	5.3	6.5	12.8	4.3	9.7	---	---	---
20	4.1	2.5	3.5	7.5	5.1	7.1	4.4	2.7	3.7	8.6	7.6	8.1
21	4.9	0.5	2.5	7.0	4.2	5.8	3.7	1.4	2.4	8.6	7.5	8.2
22	5.1	1.2	3.5	6.5	0.6	3.8	5.7	2.2	3.7	8.0	6.2	7.3
23	4.7	2.0	3.9	7.1	0.3	2.4	13.1	4.2	7.8	7.3	5.4	6.5
24	4.9	2.0	3.9	7.3	0.4	5.5	12.6	1.2	5.8	7.4	5.3	6.4
25	4.8	3.9	4.5	8.4	7.1	7.5	3.5	1.2	1.7	7.1	4.5	6.1
26	5.1	4.5	4.9	7.8	5.1	6.8	6.8	1.8	4.2	7.0	6.3	6.8
27	5.3	4.2	5.1	8.8	6.5	7.6	13.3	5.9	10.9	6.8	5.7	6.6
28	5.2	3.9	4.9	9.4	6.0	8.7	13.9	11.3	13.3	6.7	3.8	5.7
29	4.9	3.3	4.3	9.3	7.5	8.7	13.7	12.6	13.5	6.6	3.4	4.3
30	4.1	3.0	3.7	8.8	6.6	8.1	14.0	12.8	13.6	3.8	3.6	3.7
31	---	---	---	10.8	7.1	9.7	14.2	13.1	13.8	---	---	---
MONTH	6.2	0.04	2.3	10.8	0.3	5.2	14.2	1.1	9.5	---	---	---

## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	7.6	7.8	8.0	7.8	7.9	7.5	7.2	7.3	8.5	8.0	8.2
2	7.9	7.6	7.8	8.0	7.8	7.9	7.6	7.2	7.4	8.1	7.5	7.9
3	8.0	7.4	7.7	8.1	7.8	8.0	7.7	7.2	7.4	8.4	7.0	7.7
4	8.0	7.3	7.5	8.2	7.9	8.1	---	---	---	7.8	7.1	7.5
5	8.0	7.1	7.5	8.2	7.9	8.0	---	---	---	8.2	7.3	7.7
6	8.0	7.3	7.8	8.1	7.5	7.9	7.7	7.4	7.6	8.4	7.1	7.7
7	8.1	7.4	7.7	8.0	7.7	7.9	7.8	7.5	7.7	7.6	7.1	7.4
8	8.3	7.8	8.1	8.1	7.7	7.9	8.0	7.7	7.8	7.8	7.4	7.6
9	8.1	7.8	8.0	8.0	7.5	7.8	7.9	7.7	7.8	8.2	7.6	7.9
10	8.2	7.8	8.0	7.9	7.4	7.6	7.8	7.7	7.8	8.3	7.8	8.0
11	8.0	7.8	7.9	8.0	7.5	7.8	7.8	7.6	7.6	8.3	7.5	7.8
12	7.8	7.7	7.7	8.1	7.3	7.8	---	---	---	8.1	7.2	7.7
13	8.0	7.6	7.8	7.9	7.7	7.8	---	---	---	8.3	7.9	8.1
14	8.1	7.7	8.0	7.8	7.6	7.7	---	---	---	8.2	7.9	8.1
15	8.1	7.8	8.0	7.8	7.6	7.7	---	---	---	8.2	7.8	8.0
16	8.0	7.7	7.9	8.1	7.6	7.8	---	---	---	8.2	7.8	8.0
17	7.9	7.5	7.8	8.1	7.5	7.9	8.4	8.0	8.2	8.0	7.7	7.9
18	8.0	7.7	7.9	8.0	7.6	7.8	8.5	8.2	8.3	8.0	7.7	7.8
19	7.9	7.8	7.8	8.0	7.4	7.7	8.5	8.0	8.4	8.1	7.8	7.9
20	8.0	7.4	7.7	7.7	7.4	7.5	8.4	7.8	8.0	---	---	---
21	7.8	7.3	7.6	7.9	7.4	7.6	8.4	7.9	8.1	7.9	7.8	7.9
22	7.8	7.4	7.6	8.0	7.3	7.5	8.4	8.2	8.3	7.9	7.8	7.8
23	7.9	7.6	7.7	7.8	7.5	7.6	8.3	8.1	8.2	7.9	7.5	7.7
24	8.0	7.6	7.9	7.8	7.4	7.6	8.3	7.4	7.9	7.6	7.5	7.5
25	8.0	7.9	7.9	7.9	7.3	7.7	7.8	7.5	7.7	7.6	7.4	7.5
26	8.2	7.9	8.0	8.1	7.6	7.9	8.1	7.7	7.8	7.6	7.5	7.6
27	8.2	7.9	8.1	7.8	7.2	7.5	8.2	7.6	7.8	7.6	7.5	7.5
28	8.1	7.8	8.0	7.6	7.1	7.2	8.2	7.5	7.9	7.6	7.4	7.5
29	8.1	7.9	8.0	7.5	7.2	7.3	8.5	7.4	8.0	7.6	7.5	7.6
30	8.1	7.9	7.9	7.5	7.0	7.2	8.7	8.0	8.5	7.7	7.6	7.6
31	8.0	7.8	7.9	---	---	---	8.8	8.4	8.6	7.7	7.5	7.6
MONTH	8.3	7.1	7.8	8.2	7.0	7.7	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	7.5	7.6	8.7	7.6	8.1	7.2	6.9	7.1	7.2	6.8	7.0
2	7.9	7.6	7.8	---	---	---	7.2	6.8	7.1	7.6	6.8	7.1
3	8.0	7.8	7.9	7.9	7.2	7.4	7.0	6.9	7.0	7.3	7.0	7.2
4	7.9	7.2	7.5	8.1	7.4	7.7	7.0	6.9	7.0	7.4	7.1	7.2
5	7.9	7.6	7.8	8.3	7.2	7.8	7.0	6.9	7.0	7.7	7.2	7.4
6	---	---	---	---	---	---	7.2	7.0	7.1	7.4	6.9	7.1
7	---	---	---	---	---	---	7.2	7.1	7.1	7.5	6.9	7.2
8	---	---	---	7.8	7.3	7.5	7.2	7.1	7.1	7.5	7.1	7.3
9	---	---	---	7.5	6.8	7.2	7.3	7.2	7.2	7.5	7.0	7.1
10	---	---	---	7.5	6.9	7.1	7.3	7.2	7.3	7.7	7.0	7.2
11	---	---	---	7.4	7.0	7.2	7.2	7.1	7.2	7.2	6.5	6.8
12	---	---	---	7.0	6.9	6.9	7.2	7.2	7.2	7.4	6.5	6.8
13	---	---	---	7.4	6.8	7.0	7.2	7.1	7.2	7.5	6.8	7.1
14	---	---	---	7.4	7.1	7.2	7.1	6.8	7.0	8.6	6.7	7.6
15	---	---	---	7.3	7.0	7.1	6.8	6.6	6.7	8.4	8.1	8.3
16	---	---	---	7.0	6.6	6.8	6.9	6.4	6.6	9.0	8.1	8.5
17	---	---	---	6.8	6.6	6.7	6.8	6.4	6.5	8.6	7.9	8.2
18	---	---	---	6.8	6.7	6.7	6.6	6.4	6.5	8.3	7.6	7.9
19	---	---	---	7.3	6.7	7.0	6.9	6.4	6.6	8.2	7.4	7.8
20	---	---	---	7.2	6.9	7.0	6.9	6.5	6.6	8.4	7.6	8.0
21	8.6	7.3	7.7	7.0	6.9	7.0	6.6	6.5	6.5	8.6	8.0	8.2
22	7.7	6.9	7.3	7.2	7.0	7.1	6.5	6.4	6.4	8.5	8.1	8.3
23	7.6	7.2	7.3	7.1	7.0	7.0	6.7	6.4	6.6	8.2	7.6	7.8
24	7.7	7.4	7.5	7.4	6.9	7.1	6.8	6.6	6.7	8.5	7.5	7.7
25	8.0	7.4	7.7	7.5	6.7	7.2	6.8	6.7	6.8	8.4	7.3	7.7
26	8.0	7.6	7.8	7.2	6.7	6.8	6.8	6.7	6.8	7.9	7.1	7.3
27	7.9	7.6	7.7	7.3	6.8	7.0	6.8	6.7	6.8	7.7	7.1	7.4
28	8.4	7.4	7.8	7.0	6.7	6.8	7.0	6.8	6.8	7.1	6.9	7.0
29	---	---	---	6.8	6.6	6.7	7.2	6.8	6.9	7.3	6.8	6.9
30	---	---	---	7.0	6.6	6.7	7.0	6.7	6.9	7.1	6.7	6.8
31	---	---	---	7.2	7.0	7.1	---	---	---	6.8	6.6	6.8
MONTH	---	---	---	---	---	---	7.3	6.4	6.9	9.0	6.5	7.4



## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.3	7.6	7.9	7.6	7.7	7.4	7.1	7.2	8.2	7.1	7.7
2	7.7	7.2	7.5	7.9	7.6	7.8	7.4	7.0	7.2	7.4	7.0	7.1
3	7.8	7.0	7.3	8.0	7.6	7.8	7.6	7.0	7.3	7.0	6.9	7.0
4	7.3	7.0	7.1	8.4	7.7	8.0	---	---	---	7.3	7.0	7.2
5	7.2	6.8	6.9	8.4	7.6	8.2	---	---	---	7.2	7.0	7.2
6	7.7	6.8	7.2	8.4	6.1	7.6	7.6	7.4	7.5	7.2	7.0	7.0
7	7.8	7.0	7.5	---	---	---	7.6	7.4	7.5	7.5	7.1	7.3
8	7.9	7.3	7.8	---	---	---	7.6	7.5	7.5	7.8	7.3	7.5
9	7.7	7.5	7.6	---	---	---	7.8	7.5	7.7	8.0	7.6	7.7
10	7.6	7.3	7.5	---	---	---	7.7	7.4	7.6	7.9	7.2	7.5
11	7.6	7.4	7.5	---	---	---	7.6	7.2	7.5	7.4	7.0	7.2
12	7.6	7.2	7.4	---	---	---	---	---	---	8.0	6.9	7.4
13	7.5	7.4	7.4	---	---	---	---	---	---	7.9	7.2	7.4
14	7.6	7.3	7.5	---	---	---	---	---	---	7.6	7.0	7.2
15	7.6	7.4	7.5	---	---	---	---	---	---	7.9	6.8	7.6
16	7.5	7.3	7.4	---	---	---	---	---	---	8.3	7.7	8.0
17	7.9	7.4	7.6	---	---	---	8.1	7.3	7.8	8.1	7.9	8.0
18	8.1	7.8	8.0	---	---	---	8.5	8.1	8.3	8.1	7.7	7.9
19	8.0	7.6	7.7	---	---	---	8.5	7.3	7.8	8.1	7.6	8.0
20	7.9	7.3	7.5	---	---	---	8.2	7.5	8.0	---	---	---
21	7.7	7.1	7.4	---	---	---	8.4	7.4	8.0	8.0	7.7	7.9
22	7.9	7.3	7.4	---	---	---	8.3	7.3	7.8	7.9	7.8	7.9
23	7.8	7.5	7.7	---	---	---	8.4	7.4	7.7	7.9	7.6	7.8
24	8.0	7.4	7.7	---	---	---	8.2	7.5	7.8	7.7	7.6	7.6
25	8.0	7.8	7.9	---	---	---	8.2	7.7	7.9	7.6	7.5	7.5
26	8.2	7.8	8.0	7.2	6.7	6.9	8.1	7.8	7.9	7.6	7.5	7.6
27	8.2	7.8	8.0	7.6	6.5	7.1	8.0	7.5	7.8	7.6	7.5	7.6
28	8.2	7.7	8.0	7.8	6.9	7.2	7.9	7.6	7.7	7.6	7.4	7.5
29	8.1	7.9	8.0	7.4	6.9	7.0	7.9	7.6	7.7	7.6	7.5	7.6
30	8.0	7.8	7.9	7.3	6.9	7.1	7.6	7.4	7.5	7.7	7.5	7.6
31	7.9	7.7	7.8	---	---	---	7.5	7.3	7.4	7.7	7.4	7.6
MONTH	8.2	6.8	7.6	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.2	7.3	7.9	7.0	7.3	7.0	6.7	6.9	6.8	6.7	6.7
2	7.4	7.2	7.3	---	---	---	7.2	6.7	7.0	7.3	6.6	6.9
3	7.4	7.2	7.3	8.0	6.9	7.0	7.1	6.8	6.9	7.6	6.7	7.0
4	7.5	7.2	7.3	8.2	7.2	7.7	7.0	6.7	6.9	7.6	6.7	7.3
5	7.9	7.3	7.6	8.1	6.8	7.3	7.1	6.8	7.0	7.7	7.3	7.5
6	8.0	7.6	7.8	---	---	---	7.3	7.0	7.2	7.6	6.8	7.3
7	---	---	---	---	---	---	7.3	7.1	7.2	7.0	6.7	6.8
8	---	---	---	7.3	6.8	7.0	7.2	7.1	7.1	7.0	6.8	6.9
9	---	---	---	7.1	6.8	6.9	7.3	7.2	7.2	7.0	6.7	6.8
10	---	---	---	7.5	6.8	7.0	7.3	7.2	7.3	6.8	6.7	6.7
11	---	---	---	7.7	7.2	7.4	7.2	7.1	7.2	6.8	6.7	6.8
12	---	---	---	7.2	6.9	7.0	7.3	7.2	7.2	7.4	6.6	6.7
13	---	---	---	7.4	6.9	7.1	7.2	7.0	7.2	7.9	6.6	7.2
14	---	---	---	7.3	7.0	7.2	7.1	6.7	7.0	8.4	7.1	7.6
15	---	---	---	7.3	6.7	7.0	6.8	6.5	6.6	8.3	7.3	8.0
16	---	---	---	7.1	6.7	6.8	6.8	6.5	6.6	8.7	7.5	8.1
17	---	---	---	7.1	6.9	7.0	6.9	6.6	6.7	8.4	7.5	7.9
18	---	---	---	7.1	6.6	6.9	6.9	6.7	6.7	8.1	7.4	7.8
19	---	---	---	7.4	6.7	7.1	7.2	6.7	6.9	8.0	7.2	7.7
20	---	---	---	7.2	6.7	7.0	7.2	6.8	6.8	8.1	7.4	7.7
21	7.5	7.1	7.1	7.1	6.8	7.0	6.8	6.5	6.7	8.0	7.2	7.6
22	7.4	6.9	7.1	7.0	6.9	6.9	6.8	6.6	6.7	8.2	6.9	7.7
23	7.3	6.9	7.1	7.1	6.6	6.8	6.9	6.6	6.8	8.0	6.9	7.6
24	7.5	7.1	7.3	7.4	6.9	7.1	7.0	6.6	6.8	7.6	7.0	7.3
25	7.8	7.3	7.5	7.3	6.7	7.1	7.0	6.7	6.9	7.0	6.8	6.9
26	7.8	7.4	7.6	7.2	6.6	6.8	7.0	6.9	6.9	7.0	6.7	6.8
27	8.0	7.5	7.6	7.2	6.7	6.9	7.1	6.6	6.9	7.5	6.6	7.1
28	8.0	7.2	7.5	7.0	6.8	6.8	6.8	6.7	6.8	7.0	6.8	7.0
29	---	---	---	6.8	6.7	6.7	6.9	6.7	6.8	7.1	6.6	6.7
30	---	---	---	7.0	6.7	6.8	6.8	6.7	6.7	7.4	6.6	7.0
31	---	---	---	7.1	6.7	7.0	---	---	---	7.2	6.8	6.9
MONTH	---	---	---	---	---	---	7.3	6.5	6.9	8.7	6.6	7.2



## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.8	25.1	25.4	16.6	15.7	16.1	10.6	9.3	10.1	10.0	8.7	9.3
2	25.7	25.2	25.5	15.9	14.9	15.4	9.7	8.5	9.2	10.9	9.6	10.0
3	25.7	25.1	25.4	15.6	14.3	14.6	9.8	8.8	9.3	10.4	9.7	10.2
4	26.8	25.4	25.9	14.5	13.9	14.3	---	---	---	9.7	8.6	9.3
5	26.7	25.7	26.1	14.5	13.9	14.2	---	---	---	9.0	7.8	8.6
6	26.8	25.8	26.4	15.6	14.2	15.0	7.4	6.8	7.2	9.3	7.9	8.6
7	26.7	25.8	26.3	14.8	13.9	14.3	7.0	6.2	6.6	8.5	7.0	7.7
8	26.5	24.8	25.8	14.8	13.8	14.3	7.5	6.5	7.1	7.2	6.4	6.9
9	24.9	24.3	24.7	14.9	13.6	14.5	7.5	6.9	7.1	8.5	6.9	7.5
10	24.8	24.2	24.6	16.4	14.6	15.4	7.1	6.8	7.0	8.8	7.8	8.2
11	24.5	24.3	24.4	17.5	16.2	17.0	7.4	7.1	7.2	8.7	7.3	7.7
12	24.4	24.0	24.2	18.3	16.6	17.6	---	---	---	7.6	6.2	6.7
13	24.6	23.7	23.9	17.9	15.9	16.9	---	---	---	7.5	6.5	6.8
14	24.3	22.7	23.6	15.9	15.3	15.6	---	---	---	7.5	5.7	6.3
15	22.7	21.8	22.2	15.9	15.5	15.7	---	---	---	6.7	5.9	6.4
16	22.3	21.2	21.6	15.9	15.3	15.6	---	---	---	6.3	5.1	5.8
17	21.4	20.6	20.9	15.8	15.3	15.7	8.5	7.1	7.5	5.9	5.3	5.7
18	21.2	20.2	20.5	15.3	14.3	14.7	7.6	6.7	7.1	5.4	4.3	4.8
19	20.4	20.0	20.3	15.0	13.8	14.4	8.2	7.0	7.5	4.9	3.9	4.4
20	21.0	19.4	20.0	15.1	14.2	14.8	10.1	8.2	9.4	---	---	---
21	20.6	19.2	19.8	15.0	14.3	14.7	9.7	8.8	9.3	5.0	4.3	4.6
22	20.6	19.1	19.7	15.4	14.3	14.9	10.3	8.1	9.1	4.5	4.0	4.3
23	20.2	18.3	19.2	14.3	12.8	13.2	9.8	8.9	9.3	4.1	2.0	3.3
24	20.1	18.1	18.8	13.1	12.0	12.4	9.4	8.9	9.2	2.0	1.1	1.5
25	18.4	18.0	18.2	13.1	11.9	12.6	9.3	8.4	9.1	2.2	0.6	1.3
26	19.3	18.3	18.7	13.4	12.4	12.9	8.5	7.0	7.9	2.3	1.4	1.7
27	19.5	18.7	19.1	12.9	11.9	12.5	7.7	6.4	6.9	2.4	1.8	2.1
28	19.5	18.7	19.1	12.0	10.5	11.1	7.9	6.3	7.2	2.5	1.2	1.9
29	19.3	18.9	19.1	11.2	9.8	10.2	8.2	7.0	7.7	3.6	1.9	2.7
30	19.2	17.9	18.5	12.6	10.5	11.6	8.7	7.3	7.9	4.0	3.3	3.6
31	17.9	16.5	17.1	---	---	---	9.4	8.1	8.5	4.4	3.9	4.1
MONTH	26.8	16.5	22.1	18.3	9.8	14.4	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	4.3	4.6	10.9	9.2	9.6	15.3	13.4	14.4	22.4	21.0	21.7
2	5.5	4.1	4.8	---	---	---	16.2	14.2	15.1	22.9	21.5	21.9
3	7.0	5.0	5.7	11.0	9.8	10.3	17.0	14.8	15.9	22.2	21.0	21.6
4	7.1	4.4	6.1	10.8	9.8	10.3	17.5	15.9	16.8	21.0	19.8	20.3
5	7.6	6.6	7.1	12.3	10.8	11.6	18.3	16.9	17.7	19.9	19.0	19.4
6	---	---	---	---	---	---	18.0	17.2	17.6	20.8	19.4	20.1
7	---	---	---	---	---	---	17.6	16.8	17.2	22.6	20.2	21.3
8	---	---	---	11.8	10.2	10.9	17.0	15.7	16.5	23.5	21.1	22.3
9	---	---	---	12.0	10.6	11.3	15.7	14.8	15.3	24.5	22.8	23.7
10	---	---	---	12.6	11.2	11.8	14.8	13.9	14.2	26.4	23.6	24.6
11	---	---	---	12.1	11.1	11.4	14.1	12.8	13.6	25.9	22.9	24.4
12	---	---	---	12.4	11.1	11.6	13.9	12.6	13.2	23.8	21.2	22.4
13	---	---	---	13.3	11.8	12.5	15.1	13.3	13.8	22.7	21.8	22.2
14	---	---	---	13.5	11.4	12.1	15.2	13.7	14.4	23.6	20.9	22.1
15	---	---	---	11.8	11.1	11.4	17.5	14.9	15.7	22.8	22.0	22.3
16	---	---	---	14.0	11.8	12.5	17.8	15.9	16.7	24.3	21.8	22.5
17	---	---	---	14.3	13.0	13.8	19.6	16.6	17.6	23.8	21.9	22.3
18	---	---	---	14.9	14.0	14.5	18.3	16.9	17.7	21.9	21.0	21.5
19	---	---	---	14.7	14.3	14.5	18.5	17.5	18.0	21.0	20.1	20.5
20	---	---	---	15.0	14.4	14.7	18.4	16.9	17.4	22.3	19.7	20.7
21	8.5	7.7	8.1	15.8	14.6	15.2	19.6	17.2	17.8	22.2	20.7	21.3
22	10.9	8.1	9.2	17.4	15.4	16.0	19.3	18.2	18.6	22.1	21.3	21.7
23	11.0	10.3	10.7	16.6	16.1	16.4	18.5	17.5	18.0	21.8	20.9	21.3
24	11.1	10.2	10.7	16.9	16.0	16.4	18.7	17.4	17.9	21.7	20.9	21.1
25	11.2	10.7	10.9	17.6	16.3	16.9	18.5	17.8	18.1	23.1	21.2	22.0
26	10.7	10.0	10.3	18.0	16.6	17.3	19.7	18.3	18.7	23.9	21.8	22.9
27	10.0	9.7	9.8	17.8	17.0	17.2	19.2	18.7	18.9	23.7	22.4	23.1
28	9.8	9.4	9.6	17.8	16.6	17.2	20.9	18.7	19.3	22.6	21.6	22.1
29	---	---	---	18.2	17.1	17.7	21.5	19.6	20.5	22.9	21.5	21.9
30	---	---	---	18.4	16.5	17.9	21.6	20.0	20.8	23.9	20.8	21.8
31	---	---	---	16.5	14.7	15.5	---	---	---	23.0	21.3	22.3
MONTH	---	---	---	---	---	---	21.6	12.6	16.9	26.4	19.0	21.9



## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.6	24.8	25.3	17.4	15.9	16.7	12.3	9.8	10.4	9.8	8.1	8.9
2	25.4	25.0	25.2	17.0	15.0	15.5	10.8	9.2	10.2	9.8	8.5	8.7
3	25.5	24.9	25.3	15.9	14.3	15.2	10.8	8.8	9.6	9.0	8.4	8.7
4	25.6	25.3	25.4	15.9	14.1	14.7	---	---	---	8.7	8.3	8.4
5	25.7	25.3	25.4	15.9	13.9	14.6	---	---	---	8.7	8.4	8.5
6	26.4	25.4	25.9	16.1	14.2	15.3	7.5	6.9	7.2	8.7	8.4	8.6
7	26.4	25.6	26.0	14.7	14.0	14.2	7.8	6.3	7.0	8.4	7.0	7.7
8	26.3	24.6	25.6	14.8	14.2	14.7	7.9	7.3	7.8	7.6	6.3	6.9
9	24.7	24.1	24.5	15.1	14.4	15.0	7.8	6.9	7.2	8.1	6.8	7.2
10	24.5	24.1	24.3	16.1	14.8	15.3	7.8	6.9	7.1	8.2	7.3	7.8
11	24.5	24.2	24.3	17.4	15.6	16.5	7.9	7.1	7.4	7.8	7.6	7.7
12	24.3	23.9	24.1	17.8	15.9	16.7	---	---	---	8.0	6.5	7.5
13	24.0	23.6	23.7	17.7	15.9	16.8	---	---	---	8.0	7.5	7.9
14	23.9	22.5	23.4	16.0	15.3	15.7	---	---	---	7.9	7.3	7.7
15	22.5	21.6	22.2	15.9	15.6	15.7	---	---	---	7.9	6.2	6.8
16	22.1	21.2	21.6	15.9	15.6	15.8	---	---	---	6.5	5.3	5.9
17	21.4	20.6	21.0	16.1	15.3	15.8	8.2	7.3	7.8	5.9	5.5	5.7
18	21.2	20.2	20.5	15.5	14.3	14.8	7.3	6.7	7.0	5.5	4.7	5.0
19	21.3	20.2	20.8	15.3	14.4	15.0	8.6	7.0	7.8	5.8	4.4	4.8
20	21.4	19.7	21.1	15.2	15.0	15.1	10.0	8.3	9.3	---	---	---
21	21.3	19.4	20.9	15.2	14.8	15.1	9.6	8.7	9.2	5.0	4.5	4.7
22	21.2	19.5	20.7	15.4	14.2	15.1	10.0	8.9	9.4	4.5	4.1	4.3
23	20.4	18.5	19.7	14.2	12.9	13.3	9.6	8.9	9.2	4.1	2.0	3.3
24	19.9	18.2	19.1	14.1	12.3	13.2	9.2	8.9	9.1	2.1	1.2	1.6
25	18.5	18.0	18.3	14.2	12.8	13.7	9.2	8.3	9.1	2.3	1.5	1.9
26	19.3	18.4	18.7	14.4	13.8	14.1	8.4	7.6	7.9	2.8	2.0	2.5
27	19.4	18.8	19.1	14.4	12.1	13.3	8.1	7.5	7.8	2.8	1.8	2.2
28	19.5	18.8	19.1	13.4	10.9	11.9	8.2	8.0	8.1	2.8	1.9	2.3
29	19.4	19.0	19.2	13.7	11.0	13.1	8.2	7.4	8.0	3.6	2.1	2.7
30	19.2	18.0	18.7	13.7	11.3	12.3	8.2	7.9	8.0	4.1	3.4	3.7
31	18.0	16.7	17.2	---	---	---	8.3	8.0	8.2	4.0	3.8	3.9
MONTH	26.4	16.7	22.1	17.8	10.9	14.8	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.0	3.4	3.6	10.0	9.4	9.7	15.3	13.6	14.6	19.7	17.4	18.2
2	4.2	3.5	3.7	---	---	---	16.2	14.2	14.8	21.8	17.2	19.8
3	4.1	3.6	3.8	10.4	9.8	9.9	16.9	14.7	15.5	21.5	17.3	19.1
4	6.6	4.0	5.3	10.6	9.8	10.2	17.5	15.2	16.5	21.1	17.6	20.1
5	7.6	5.9	6.5	11.9	10.2	10.6	18.2	16.9	17.4	19.8	19.1	19.4
6	7.3	6.7	7.0	---	---	---	18.1	17.2	17.6	20.4	19.3	19.8
7	---	---	---	---	---	---	17.5	16.6	17.1	19.6	18.6	19.0
8	---	---	---	10.6	10.1	10.3	17.0	15.8	16.5	19.4	17.9	18.7
9	---	---	---	10.5	10.1	10.3	15.8	14.9	15.3	21.2	18.0	18.9
10	---	---	---	12.1	10.3	10.7	14.9	14.0	14.3	20.1	18.6	19.1
11	---	---	---	12.1	11.2	11.5	14.3	12.9	13.6	19.9	18.6	18.9
12	---	---	---	11.3	10.9	11.1	13.9	12.7	13.2	22.8	18.7	19.8
13	---	---	---	11.0	10.9	10.9	14.5	13.3	13.7	22.5	20.2	21.5
14	---	---	---	12.3	10.9	11.8	15.2	13.7	14.4	23.4	21.2	22.0
15	---	---	---	11.6	11.0	11.2	15.8	14.8	15.1	22.8	21.9	22.2
16	---	---	---	12.1	11.3	11.7	17.0	15.5	16.0	23.7	21.4	22.1
17	---	---	---	11.9	11.5	11.7	18.4	16.4	16.9	23.3	21.7	22.2
18	---	---	---	14.9	11.8	13.6	18.1	17.0	17.6	21.9	21.1	21.5
19	---	---	---	14.7	13.8	14.4	18.5	17.6	18.1	21.1	20.1	20.5
20	---	---	---	15.0	14.0	14.6	18.4	16.9	17.4	21.7	19.6	20.3
21	7.5	7.2	7.4	15.3	14.5	14.9	18.3	16.9	17.3	21.4	20.5	20.9
22	10.4	7.4	7.9	15.4	14.7	14.8	19.0	17.4	18.1	22.0	20.8	21.3
23	10.9	8.6	10.5	16.4	13.5	14.8	18.5	17.3	17.9	21.6	21.0	21.3
24	11.0	9.9	10.4	16.8	15.6	16.3	18.3	17.3	17.7	21.2	20.8	20.9
25	11.1	10.6	10.8	17.2	16.2	16.6	18.5	17.3	18.0	21.2	20.8	20.9
26	10.6	9.9	10.2	18.0	16.5	17.1	19.0	18.2	18.4	22.9	20.9	21.4
27	10.1	9.6	9.8	17.8	17.0	17.2	19.0	17.2	18.4	23.4	21.3	22.7
28	9.6	9.2	9.4	17.8	16.6	17.1	18.3	17.1	17.7	22.4	21.8	22.0
29	---	---	---	18.2	17.1	17.6	18.7	17.4	18.0	22.9	21.6	21.9
30	---	---	---	18.4	16.6	17.9	19.0	17.5	18.0	22.3	20.8	21.5
31	---	---	---	16.6	14.9	15.5	---	---	---	22.4	21.1	21.8
MONTH	---	---	---	---	---	---	19.0	12.7	16.5	23.7	17.2	20.6

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.1	20.7	21.4	27.3	25.6	26.1	27.5	26.8	27.1	27.4	27.1	27.2
2	22.1	21.0	21.3	27.0	25.9	26.5	27.2	26.8	27.0	27.6	27.1	27.2
3	22.7	21.3	22.0	27.1	26.0	26.5	27.1	26.8	27.0	28.0	27.1	27.2
4	22.8	22.0	22.4	27.2	26.3	26.6	27.5	27.0	27.1	27.9	27.1	27.2
5	23.8	22.4	22.8	27.6	26.5	26.8	27.6	27.0	27.1	27.5	27.1	27.3
6	23.9	22.8	23.3	27.8	26.5	27.2	27.3	27.0	27.2	27.6	27.1	27.4
7	24.1	22.7	23.7	27.8	26.4	27.0	27.4	27.1	27.2	27.4	25.3	26.0
8	24.6	23.8	24.1	28.0	27.0	27.4	27.4	27.1	27.2	26.6	25.0	25.4
9	24.2	23.5	24.0	27.8	27.0	27.5	27.5	27.1	27.3	25.7	24.9	25.2
10	26.1	23.4	24.6	28.4	27.4	27.7	27.3	26.9	27.1	25.2	24.1	24.6
11	27.0	24.2	25.7	29.0	27.2	28.1	27.0	26.7	26.9	24.1	23.1	23.4
12	26.9	24.5	26.0	28.6	27.8	28.1	27.1	26.8	27.0	23.4	23.1	23.2
13	26.6	22.8	24.5	28.2	27.7	27.9	27.5	26.8	27.0	23.4	22.9	23.1
14	24.6	22.8	23.4	27.8	27.2	27.4	27.4	26.9	27.2	23.5	22.9	23.1
15	24.8	22.9	23.4	27.4	27.1	27.3	27.5	27.0	27.2	---	---	---
16	27.4	23.1	25.6	27.4	27.1	27.3	27.6	27.0	27.4	---	---	---
17	26.9	26.2	26.6	27.3	27.1	27.2	27.6	27.0	27.3	---	---	---
18	26.8	26.0	26.5	27.8	27.2	27.5	27.4	27.0	27.1	---	---	---
19	26.4	25.6	26.1	27.8	27.3	27.5	28.5	27.1	27.4	---	---	---
20	26.3	25.4	25.6	27.5	27.3	27.4	28.6	27.6	28.2	22.9	22.5	22.7
21	26.5	25.3	25.8	27.7	27.2	27.4	29.0	27.0	27.9	23.0	22.7	22.8
22	25.8	25.2	25.5	29.1	27.0	27.7	28.6	27.2	27.8	23.6	22.9	23.1
23	25.7	25.4	25.6	28.0	27.2	27.5	28.2	26.8	27.5	24.4	23.3	23.9
24	26.3	25.3	25.6	27.5	27.0	27.2	28.4	26.9	27.6	24.2	23.7	24.0
25	25.9	25.3	25.6	27.2	27.0	27.1	28.2	27.2	27.7	24.4	23.9	24.2
26	26.0	25.6	25.8	27.1	27.0	27.0	28.1	27.3	27.5	24.5	24.2	24.4
27	27.6	25.5	25.7	27.2	27.0	27.1	27.5	26.9	27.1	24.6	24.1	24.3
28	27.6	25.6	26.0	27.4	27.0	27.1	27.4	27.0	27.2	24.7	24.1	24.5
29	27.5	25.7	26.2	27.2	27.0	27.1	27.3	27.0	27.1	24.7	23.6	24.2
30	27.5	25.9	26.4	27.6	26.9	27.1	27.4	27.0	27.2	23.6	22.7	23.0
31	---	---	---	27.3	26.9	27.0	27.4	27.1	27.2	---	---	---
MONTH	27.6	20.7	24.7	29.1	25.6	27.2	29.0	26.7	27.3	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	4.8	6.2	9.1	7.7	8.4	9.5	8.2	8.9	15.3	11.4	12.6
2	7.4	5.8	6.6	9.6	8.2	8.8	10.3	8.9	9.5	13.1	11.4	12.0
3	7.9	3.9	6.0	10.2	8.2	9.5	10.6	7.9	9.5	12.9	8.4	11.7
4	7.0	2.9	4.5	10.7	9.3	9.9	---	---	---	11.9	9.3	10.8
5	6.5	0.9	3.8	10.6	9.5	10.0	---	---	---	13.0	8.2	11.0
6	6.4	2.2	5.0	9.8	7.3	8.8	11.2	10.0	10.6	13.3	8.7	11.3
7	6.5	3.5	5.0	9.8	8.2	9.0	12.2	10.6	11.3	12.0	8.9	10.4
8	7.3	5.2	6.1	10.3	8.1	9.1	12.8	11.4	12.0	12.4	10.2	11.4
9	7.1	5.2	6.0	9.9	7.2	8.7	12.3	11.4	11.9	13.8	11.2	12.3
10	7.2	5.0	5.9	9.4	6.8	8.0	11.5	10.5	11.0	14.2	11.9	12.7
11	6.4	5.1	5.8	9.2	7.6	8.5	11.0	10.1	10.5	13.9	11.9	12.7
12	6.2	4.9	5.6	9.0	5.8	8.3	---	---	---	13.6	11.0	12.3
13	7.0	4.9	5.7	8.4	7.9	8.3	---	---	---	15.2	12.0	13.8
14	7.1	5.2	6.4	8.3	7.7	8.0	---	---	---	14.4	12.0	13.8
15	7.3	6.2	6.7	8.4	7.5	8.0	---	---	---	14.2	11.7	12.7
16	---	---	---	10.0	7.6	8.8	---	---	---	13.2	11.9	12.6
17	---	---	---	10.1	7.2	8.8	13.6	11.4	12.3	12.5	12.0	12.1
18	9.2	7.2	8.1	9.8	8.0	8.9	15.6	11.9	13.4	13.2	11.6	12.2
19	8.8	7.2	8.0	10.1	7.1	8.7	15.2	12.9	14.2	13.2	11.7	12.7
20	9.2	4.7	7.3	8.3	6.6	7.5	14.2	11.4	12.3	---	---	---
21	7.8	4.6	6.8	9.3	6.7	7.9	13.8	11.4	12.6	13.3	12.2	12.7
22	7.3	4.0	6.1	9.8	5.5	7.5	14.1	12.8	13.3	13.2	12.5	12.7
23	7.9	5.8	6.9	9.2	7.4	8.6	13.3	12.2	12.7	13.0	12.2	12.6
24	9.0	6.5	8.3	10.0	7.4	8.9	12.8	11.6	12.2	13.6	12.6	12.9
25	9.3	8.2	8.7	11.3	7.4	10	11.6	10.4	11.0	14.3	12.9	13.3
26	10.5	8.1	8.9	12.2	9.9	11.5	12.8	10.7	11.6	14.0	12.9	13.4
27	10.2	8.2	9.3	10.7	8.8	9.5	13.8	12.0	12.5	13.3	12.8	13.0
28	9.8	7.4	8.5	9.0	8.2	8.6	13.6	11.9	12.8	13.8	12.8	13.2
29	9.1	7.8	8.2	9.9	7.4	9.3	15.1	9.4	12.6	13.6	12.8	13.1
30	8.3	7.4	7.8	9.3	5.1	7.5	16.9	13.1	15.0	13.4	12.9	13.2
31	8.6	7.1	7.9	---	---	---	17.3	14.0	15.3	13.5	12.9	13.2
MONTH	---	---	---	12.2	5.1	8.8	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.4	13.0	13.3	11.3	9.7	10.3	9.0	8.0	8.6	8.1	6.4	7.3
2	13.9	12.8	13.4	---	---	---	9.2	8.1	8.6	8.3	6.4	7.4
3	14.1	12.8	13.6	10.3	9.2	9.7	8.3	7.9	8.1	7.8	6.9	7.4
4	13.1	10.5	11.6	10.6	9.6	10.0	8.2	7.7	8.0	7.9	6.8	7.3
5	12.9	11.6	12.3	10.9	9.3	10.2	8.2	7.7	8.0	8.2	7.0	7.5
6	---	---	---	---	---	---	8.6	8.1	8.3	7.7	6.1	6.8
7	---	---	---	---	---	---	8.5	7.9	8.2	7.6	6.0	6.8
8	---	---	---	10.6	9.4	10.0	8.5	8.0	8.2	8.2	6.2	7.2
9	---	---	---	10.4	9.3	9.8	8.7	8.4	8.5	8.2	6.8	7.3
10	---	---	---	10.1	9.3	9.6	9.1	8.7	8.9	8.5	6.6	7.4
11	---	---	---	9.7	8.9	9.4	8.8	8.5	8.6	7.3	4.2	5.7
12	---	---	---	9.3	8.4	8.8	9.1	8.3	8.7	7.5	3.1	5.5
13	---	---	---	10.0	8.5	9.0	8.7	7.7	8.1	8.2	6.2	7.2
14	---	---	---	9.9	8.2	8.9	8.0	7.3	7.7	11.0	6.4	8.4
15	---	---	---	9.2	8.5	8.8	7.5	7.0	7.2	10.2	9.0	9.6
16	---	---	---	8.7	7.7	8.3	7.8	6.9	7.3	13.6	8.8	10.8
17	---	---	---	8.4	7.9	8.1	9.2	6.8	7.7	11.2	8.3	9.2
18	---	---	---	8.6	7.9	8.2	8.3	7.1	7.6	9.3	7.6	8.4
19	---	---	---	9.5	8.0	8.7	8.4	7.3	7.8	9.0	7.3	8.3
20	---	---	---	9.1	8.0	8.6	8.4	7.7	7.9	9.9	7.9	8.9
21	11.5	9.9	10.4	8.7	8.0	8.4	7.9	7.2	7.6	10.7	9.0	9.6
22	10.1	9.1	9.6	8.8	8.2	8.5	7.4	6.5	7.1	10.0	9.1	9.5
23	9.2	7.8	8.4	8.8	7.8	8.3	7.4	6.5	7.1	9.2	7.8	8.3
24	8.8	7.8	8.3	9.5	7.7	8.4	7.7	7.2	7.4	9.8	7.5	8.1
25	9.5	8.4	8.9	9.8	6.7	8.7	7.7	6.9	7.5	9.6	7.4	8.2
26	9.7	9.0	9.3	8.8	6.6	7.3	7.6	6.8	7.1	8.0	6.7	7.2
27	9.7	9.2	9.4	8.9	6.9	8.0	7.4	6.7	7.0	7.9	6.1	7.1
28	10.5	9.2	9.8	8.1	7.2	7.6	7.8	6.8	7.2	6.4	5.8	6.1
29	---	---	---	7.5	6.8	7.2	8.3	7.0	7.5	6.9	5.3	5.9
30	---	---	---	8.3	6.9	7.5	7.5	6.2	6.9	7.2	5.4	6.2
31	---	---	---	8.9	8.2	8.7	---	---	---	6.6	6.1	6.4
MONTH	---	---	---	---	---	---	9.2	6.2	7.8	13.6	3.1	7.6



## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	3.9	5.5	---	---	---	10.0	7.0	9.2	11.2	6.7	8.9
2	6.3	2.5	4.5	---	---	---	10.0	7.6	8.9	8.5	5.3	5.9
3	6.7	1.5	3.4	---	---	---	11.3	7.0	9.7	5.6	5.1	5.3
4	3.2	0.9	1.9	11.0	6.1	8.8	---	---	---	7.8	5.6	6.8
5	2.6	0.0	0.7	9.6	5.5	8.3	---	---	---	7.2	6.1	6.6
6	6.3	0.0	3.0	9.2	4.5	6.8	12.4	10.9	11.5	8.2	5.6	6.3
7	7.7	1.9	4.8	9.3	7.5	8.4	11.9	10.5	11.4	10.4	8.1	9.2
8	7.6	4.0	6.6	8.1	6.6	7.2	11.3	10.6	11.0	11.4	8.8	10.3
9	6.6	4.7	5.6	7.8	6.5	7.3	13.3	10.6	12.3	12.7	10.3	11.1
10	5.7	3.2	4.4	7.6	6.3	6.8	12.4	10.3	11.9	11.7	8.0	10.1
11	5.1	3.6	4.5	8.6	5.7	7.4	11.9	9.3	11.0	9.3	7.2	8.0
12	5.3	3.0	4.4	8.2	3.9	6.0	---	---	---	12.5	7.1	9.2
13	4.8	3.4	4.3	8.1	6.0	7.6	---	---	---	11.8	8.0	9.2
14	5.9	3.4	4.9	7.5	6.6	7.0	---	---	---	10.7	7.2	8.4
15	5.4	4.3	5.0	7.5	6.6	6.9	---	---	---	12.9	6.5	10.4
16	5.3	3.5	4.6	7.6	5.9	6.7	---	---	---	12.6	11.0	11.8
17	7.4	4.2	5.4	7.9	4.8	6.1	14.6	10.3	12.5	11.9	11.4	11.6
18	9.1	7.0	8.0	9.5	6.1	8.4	14.7	12.7	13.6	11.6	10.4	11.2
19	8.6	4.8	6.4	9.4	5.3	6.9	13.7	8.3	10.3	12.5	8.5	11.7
20	7.7	3.3	4.7	6.8	5.3	6.1	11.7	8.6	10.5	---	---	---
21	8.5	1.5	3.9	7.2	5.2	6.1	12.2	7.3	10.4	12.4	10.6	11.9
22	---	---	---	7.3	4.3	5.9	11.8	7.0	8.9	12.4	12.0	12.2
23	---	---	---	9.2	6.7	8.2	11.2	6.8	8.1	12.4	11.8	12.1
24	---	---	---	8.9	4.9	7.1	11.2	7.1	8.7	12.5	12.0	12.2
25	---	---	---	7.2	3.8	5.2	10.2	9.4	9.7	12.4	11.4	12.0
26	---	---	---	6.0	2.7	3.8	10.7	9.7	10.2	12.1	11.1	11.5
27	---	---	---	9.7	0.5	6.4	10.9	8.6	10.0	12.8	11.2	12.4
28	---	---	---	10.7	4.1	7.6	9.7	8.3	8.9	12.7	11.4	12.0
29	---	---	---	9.3	4.5	5.5	9.9	8.1	8.6	12.5	11.5	12.1
30	---	---	---	8.6	4.3	6.7	8.4	7.7	8.0	12.9	11.3	12.3
31	---	---	---	---	---	---	8.3	6.8	7.5	13.0	11.8	12.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.6	9.9	10.6	10.3	6.2	7.7	8.9	6.0	8.1	2.0	0.4	0.9
2	11.2	9.8	10.2	---	---	---	9.1	5.4	8.4	7.8	0.2	3.9
3	11.0	10.0	10.3	9.7	5.6	6.6	8.4	4.4	7.0	8.0	0.1	2.9
4	11.5	9.8	10.5	10.8	8.8	10.1	8.2	4.4	7.0	8.3	0.1	6.7
5	12.6	10.1	11.2	10.6	5.5	8.2	8.2	7.3	7.8	8.5	7.6	8.1
6	13.0	11.2	12.3	---	---	---	8.4	7.5	8.1	8.3	2.8	6.8
7	---	---	---	---	---	---	8.3	7.8	8.0	4.4	0.5	1.9
8	---	---	---	9.9	5.3	7.2	8.2	6.3	7.9	3.0	0.1	1.0
9	---	---	---	8.5	5.2	7.2	8.4	8.1	8.2	3.4	0.1	0.7
10	---	---	---	10.7	5.1	7.0	8.7	8.2	8.5	1.7	0.1	0.4
11	---	---	---	10.5	9.6	10.2	8.4	8.2	8.3	0.6	0.1	0.1
12	---	---	---	10.1	5.8	8.2	8.8	8.3	8.6	7.0	0.1	0.8
13	---	---	---	9.6	6.2	8.0	8.5	7.3	7.9	8.5	0.1	4.4
14	---	---	---	9.8	6.4	9.0	7.6	7.2	7.4	10.2	5.9	8.1
15	---	---	---	9.7	3.6	7.7	7.2	6.6	6.9	9.7	7.5	9.1
16	---	---	---	9.4	6.1	8.3	7.0	6.4	6.7	11.6	8.2	9.4
17	---	---	---	9.7	8.1	9.1	7.8	6.0	6.8	10.2	7.8	8.6
18	---	---	---	9.6	6.7	8.8	8.0	6.9	7.3	8.9	7.2	8.1
19	---	---	---	10.4	8.0	9.5	8.2	7.1	7.5	8.7	6.9	8.0
20	---	---	---	9.7	6.4	8.9	8.2	7.5	7.7	9.1	7.6	8.2
21	7.8	5.8	6.2	9.0	8.1	8.7	7.6	6.4	7.2	8.8	7.2	8.1
22	8.6	5.0	6.1	8.7	7.6	8.1	7.0	6.0	6.7	9.2	5.9	8.0
23	8.7	6.4	8.3	8.8	2.0	5.6	7.2	4.4	6.7	8.8	5.6	7.8
24	9.1	7.6	8.3	9.8	7.3	8.8	7.5	4.4	6.7	7.7	6.2	7.3
25	9.6	8.5	9.1	9.4	6.2	8.6	7.6	4.0	6.7	6.7	4.5	5.5
26	9.8	9.1	9.5	8.9	5.9	7.1	7.6	6.4	7.2	6.4	3.6	4.5
27	10.2	9.4	9.6	9.0	7.0	8.1	7.2	1.6	5.0	7.8	3.5	6.6
28	10.3	8.4	9.5	8.1	7.3	7.7	3.6	1.4	1.8	6.7	5.1	6.3
29	---	---	---	7.5	7.0	7.3	4.3	1.1	2.0	6.8	2.5	4.4
30	---	---	---	8.3	6.9	7.5	2.8	0.7	1.5	5.5	2.4	4.7
31	---	---	---	8.8	6.6	8.3	---	---	---	6.0	1.4	4.0
MONTH	---	---	---	---	---	---	9.1	0.7	6.9	11.6	0.1	5.3

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	4.6	5.7	3.6	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
2	6.5	4.3	5.5	6.3	0.0	3.5	0.1	0.0	0.0	0.0	0.0	0.0
3	6.6	4.2	5.6	7.6	4.8	6.1	0.0	0.0	0.0	0.5	0.0	0.1
4	7.0	4.2	5.8	7.1	1.6	4.9	0.6	0.0	0.0	0.3	0.0	0.1
5	6.3	4.2	5.5	6.7	0.3	3.2	0.0	0.0	0.0	0.1	0.0	0.0
6	6.5	4.1	5.4	3.2	0.0	0.4	0.0	0.0	0.0	5.7	0.0	0.7
7	7.0	4.9	5.9	1.2	0.0	0.2	1.0	0.0	0.0	6.3	0.0	3.2
8	6.6	4.7	5.6	6.9	0.0	2.1	0.1	0.0	0.0	7.5	0.1	5.5
9	6.8	2.8	5.2	2.9	0.2	0.7	6.7	0.0	2.9	7.6	4.8	6.2
10	7.4	2.7	5.7	5.0	0.2	0.8	7.1	0.0	4.0	6.8	4.9	6.0
11	7.7	2.8	6.7	6.5	0.2	3.2	7.2	0.0	2.2	7.2	5.5	6.4
12	7.2	1.4	5.2	6.0	0.7	4.1	2.9	0.0	0.4	7.8	5.6	6.4
13	6.6	0.1	1.9	6.6	0.2	2.2	5.7	0.1	1.0	7.8	4.5	6.2
14	1.2	0.1	0.3	5.5	0.7	3.9	4.0	0.1	1.0	6.3	3.2	5.2
15	1.8	0.1	0.3	4.0	1.6	2.8	0.1	0.1	0.1	---	---	---
16	7.6	0.1	3.6	3.5	0.2	1.3	0.1	0.1	0.1	---	---	---
17	7.9	6.8	7.4	1.0	0.1	0.3	0.1	0.1	0.1	---	---	---
18	7.8	6.1	7.2	0.7	0.1	0.2	0.1	0.1	0.1	---	---	---
19	7.3	3.8	5.7	0.7	0.1	0.2	8.0	0.1	1.1	---	---	---
20	5.9	2.0	3.1	1.2	0.1	0.1	7.4	4.5	6.5	5.1	2.5	3.2
21	7.0	0.5	3.6	1.8	0.1	0.3	6.2	2.4	4.4	3.6	1.8	3.0
22	7.8	0.4	3.0	8.0	0.1	2.7	4.3	0.3	2.1	1.9	0.1	0.7
23	5.8	0.9	2.1	7.2	1.4	5.2	0.8	0.0	0.1	3.3	0.1	0.9
24	6.2	0.3	1.7	7.1	0.5	2.7	5.8	0.0	2.3	3.2	0.1	0.9
25	1.7	0.3	0.9	2.5	0.6	1.5	5.7	1.3	4.8	5.2	0.0	2.1
26	1.5	0.3	0.7	2.9	0.5	1.5	4.1	0.0	1.0	4.9	1.0	3.2
27	6.1	0.3	0.8	2.8	0.2	1.1	0.0	0.0	0.0	1.7	0.1	0.7
28	6.1	0.1	1.2	2.3	0.1	0.6	0.0	0.0	0.0	5.0	0.1	1.3
29	4.6	0.9	2.1	1.1	0.0	0.2	0.2	0.0	0.0	6.7	1.2	4.6
30	4.6	0.5	1.6	1.4	0.0	0.2	0.1	0.0	0.0	8.2	5.5	6.4
31	---	---	---	0.6	0.0	0.0	0.0	0.0	0.0	---	---	---
MONTH	7.9	0.1	3.8	8.0	0.0	1.8	8.0	0.0	1.1	---	---	---

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	111	58	76	93	79	86	84	73	79	132	99	110
2	91	71	81	96	82	88	91	77	83	118	101	107
3	97	48	73	100	83	93	93	70	83	116	74	104
4	88	36	56	105	91	97	---	---	---	104	82	94
5	81	11	48	104	93	98	---	---	---	111	71	94
6	80	27	63	97	73	87	93	83	88	113	76	97
7	81	43	63	96	80	88	100	86	92	99	76	87
8	90	63	75	100	80	90	106	94	100	103	84	94
9	86	63	73	96	71	85	103	94	98	117	92	103
10	87	60	71	96	67	80	95	87	91	122	100	108
11	77	61	70	96	78	88	92	84	87	120	99	107
12	74	59	67	96	60	87	---	---	---	111	89	100
13	84	58	67	89	81	85	---	---	---	125	100	113
14	84	62	76	83	78	80	---	---	---	117	100	112
15	84	71	77	85	76	81	---	---	---	115	95	103
16	---	---	---	101	77	89	---	---	---	107	94	101
17	---	---	---	102	73	89	115	95	103	100	95	97
18	102	80	90	96	79	88	129	97	111	102	91	95
19	97	80	89	99	71	86	128	107	118	103	92	98
20	101	53	80	81	66	74	121	100	108	---	---	---
21	85	51	75	91	66	77	120	100	110	104	95	98
22	80	44	67	96	55	74	123	109	115	102	96	98
23	86	64	75	88	72	82	117	106	111	99	92	95
24	96	70	90	93	71	84	111	100	106	97	90	92
25	99	87	93	107	71	94	101	90	96	102	90	94
26	114	86	95	116	94	109	108	91	98	101	92	96
27	111	88	101	101	82	89	115	98	103	96	93	94
28	107	80	93	84	74	78	114	98	106	101	92	95
29	99	85	89	88	68	82	128	79	106	102	93	97
30	89	78	84	84	48	69	143	109	127	102	97	100
31	90	75	82	---	---	---	148	121	131	104	98	101
MONTH	---	---	---	116	48	86	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	100	103	102	85	91	89	79	85	93	72	84
2	110	98	104	---	---	---	92	80	86	97	73	85
3	114	104	109	94	82	86	85	80	82	89	79	85
4	107	81	93	96	85	90	84	81	83	87	75	81
5	108	96	102	102	84	94	87	80	84	90	76	82
6	---	---	---	---	---	---	91	85	87	84	68	75
7	---	---	---	---	---	---	88	83	85	88	67	77
8	---	---	---	98	85	91	86	82	84	97	70	84
9	---	---	---	94	86	90	87	84	85	97	79	87
10	---	---	---	95	86	89	89	86	87	106	78	89
11	---	---	---	90	81	86	86	82	83	90	49	69
12	---	---	---	87	77	81	87	80	83	88	35	64
13	---	---	---	95	79	84	86	74	79	95	71	83
14	---	---	---	95	76	83	80	73	76	130	73	97
15	---	---	---	84	78	81	77	69	73	117	104	111
16	---	---	---	82	72	78	81	70	75	158	101	125
17	---	---	---	81	76	78	100	70	81	133	95	106
18	---	---	---	85	78	81	88	73	80	106	86	95
19	---	---	---	93	79	86	90	77	83	100	82	93
20	---	---	---	89	79	85	90	80	83	114	87	100
21	98	84	89	88	79	84	86	77	80	123	102	109
22	86	79	83	92	83	86	80	70	76	115	104	108
23	82	70	76	90	80	85	79	69	75	105	88	94
24	80	70	75	98	79	87	83	76	79	112	84	92
25	87	76	81	103	69	90	82	74	79	112	84	95
26	87	80	83	93	68	76	81	74	77	93	77	85
27	86	81	83	94	72	83	80	72	76	94	71	84
28	93	81	86	85	74	79	88	73	78	74	66	70
29	---	---	---	80	71	76	94	77	83	81	60	68
30	---	---	---	86	74	79	84	70	77	84	61	70
31	---	---	---	90	84	87	---	---	---	77	69	74
MONTH	---	---	---	---	---	---	100	69	81	158	35	88



## NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	84	48	67	---	---	---	89	65	82	99	57	78
2	76	30	55	---	---	---	88	69	79	74	46	51
3	82	18	41	---	---	---	99	63	85	48	44	46
4	39	11	24	107	62	86	---	---	---	67	48	58
5	32	0	8	94	56	82	---	---	---	62	52	57
6	78	0	37	90	46	68	103	90	96	70	48	54
7	96	23	59	91	73	82	98	88	94	86	69	78
8	95	50	81	79	65	71	95	89	92	94	73	85
9	80	57	67	77	64	73	110	89	102	108	85	92
10	69	38	53	77	63	68	102	87	99	99	67	85
11	61	43	54	90	57	76	98	78	92	78	60	67
12	63	36	52	86	40	62	---	---	---	103	59	77
13	57	40	50	84	62	79	---	---	---	99	68	77
14	69	40	58	75	67	71	---	---	---	89	61	70
15	63	50	57	76	67	70	---	---	---	105	55	85
16	60	40	52	77	60	68	---	---	---	102	88	95
17	84	48	60	79	49	62	122	87	105	95	91	93
18	101	78	89	93	61	83	121	104	112	91	82	88
19	95	54	71	92	53	68	113	70	86	97	68	91
20	85	37	53	68	53	61	100	74	92	---	---	---
21	93	17	44	71	52	61	107	64	91	97	83	92
22	---	---	---	71	43	59	105	61	78	96	92	94
23	---	---	---	88	65	79	97	59	71	95	88	91
24	---	---	---	84	48	68	97	62	76	90	86	87
25	---	---	---	68	37	50	89	81	85	89	83	87
26	---	---	---	58	26	37	90	82	86	89	82	85
27	---	---	---	92	5	61	91	73	85	94	83	90
28	---	---	---	99	39	70	82	71	75	92	84	88
29	---	---	---	85	43	53	83	69	73	93	85	89
30	---	---	---	80	41	63	71	65	68	98	85	93
31	---	---	---	---	---	---	70	58	64	99	90	97
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	96	75	81	90	55	68	88	59	80	22	4	9
2	86	75	77	---	---	---	90	53	83	89	2	44
3	83	76	79	87	50	59	85	43	70	91	1	33
4	93	75	83	97	78	90	84	44	72	91	1	74
5	105	82	92	95	49	74	86	76	82	93	82	88
6	107	92	101	---	---	---	88	79	85	91	31	75
7	---	---	---	---	---	---	86	81	83	48	5	20
8	---	---	---	88	47	64	83	65	81	33	1	10
9	---	---	---	76	47	64	84	81	82	38	1	7
10	---	---	---	99	46	63	85	81	83	19	1	4
11	---	---	---	98	88	94	82	79	80	7	1	2
12	---	---	---	92	53	75	84	79	82	82	1	9
13	---	---	---	87	56	73	82	70	76	98	1	51
14	---	---	---	90	58	83	76	70	73	120	67	93
15	---	---	---	89	33	71	72	66	68	113	86	105
16	---	---	---	87	56	77	73	65	68	137	94	108
17	---	---	---	90	74	84	83	61	71	120	89	99
18	---	---	---	89	63	84	85	72	76	101	82	92
19	---	---	---	102	78	94	88	75	80	97	77	89
20	---	---	---	95	62	88	88	78	80	104	83	91
21	65	48	52	89	80	86	80	67	75	99	81	90
22	77	42	51	87	75	80	75	63	71	106	66	91
23	78	55	74	90	19	56	77	46	71	100	63	88
24	82	68	75	101	74	90	80	46	70	87	69	82
25	87	77	83	98	64	88	81	42	71	75	51	61
26	87	82	85	94	61	74	81	68	77	75	40	51
27	90	83	85	95	73	85	78	17	53	92	40	77
28	90	74	83	85	76	80	38	15	20	77	58	73
29	---	---	---	80	73	77	46	12	22	79	28	51
30	---	---	---	85	73	79	30	7	15	63	27	53
31	---	---	---	89	66	83	---	---	---	68	16	46
MONTH	---	---	---	---	---	---	90	7	70	137	1	60

## 0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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