

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11

LOCATION.--Lat. 34°59'56", long. 76°56'36", 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. 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 (BOTTOM), 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	5.4, October 10, 1999
WATER TEMPERATURE (TOP), °C	33.3, August 1, 1999	1.6, January 29, 2000
WATER TEMPERATURE (BOTTOM), °C	30.7, August 2	1.7, January 29, 2000
DISSOLVED OXYGEN (TOP), mg/L	20.0, February 18, 1992	<1.0, on several 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	23.5, July 31	1.0, April 14, 15
SALINITY (BOTTOM), ppt	24.6, July 31	2.9, April 9
pH (TOP), standard units	9.3, March 24	6.9, February 3
pH (BOTTOM), standard units	9.2, March 27	6.6, on several days during the year
WATER TEMPERATURE (TOP), °C	31.7, August 1	4.2, January 5, 6
WATER TEMPERATURE (BOTTOM), °C	30.7, August 2	4.8, January 5
DISSOLVED OXYGEN (TOP), mg/L	18.9, January 28, 29	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	14.1, February 26	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	175, January 28	2, July 26
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	130, February 26	<10, on many days during the year

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SALINITY (PARTS PER THOUSAND), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.3	14.1	15.0	13.6	11.7	12.3	14.6	14.2	14.3	15.0	12.6	14.2
2	14.2	13.3	13.8	13.1	11.6	12.2	14.5	13.5	14.2	17.2	12.4	14.6
3	14.0	11.6	13.3	12.9	11.6	12.3	14.5	11.8	13.4	17.5	15.9	16.7
4	15.8	13.4	14.4	12.8	10.7	12.1	13.0	10.0	11.2	16.4	15.2	16.0
5	14.8	14.5	14.7	13.7	11.0	12.8	12.2	9.8	10.9	16.9	16.0	16.6
6	15.7	14.8	15.3	15.2	13.4	14.2	16.3	10.4	12.6	16.7	14.6	16.0
7	15.9	15.5	15.7	14.9	13.0	13.8	17.7	14.4	16.3	16.3	15.4	15.8
8	15.6	15.0	15.3	14.6	13.4	14.1	16.9	13.3	14.8	16.3	13.6	15.6
9	15.3	13.3	14.7	15.8	14.5	15.1	17.3	15.0	16.3	15.7	13.6	15.3
10	14.2	11.4	12.9	15.3	14.4	15.0	16.7	14.4	16.0	15.5	14.2	15.2
11	13.8	10.9	12.1	15.6	14.9	15.2	16.5	13.3	15.7	16.2	12.3	15.1
12	12.6	11.3	11.9	15.7	15.5	15.6	16.9	15.1	16.1	15.8	8.9	12.0
13	13.3	11.6	12.2	15.6	14.6	15.3	16.1	14.3	15.3	15.5	10.9	13.4
14	13.5	12.5	13.0	15.1	13.0	14.0	17.0	15.0	16.4	14.1	12.2	13.1
15	14.5	13.2	13.9	14.4	13.0	13.7	17.1	16.0	16.6	14.0	8.5	10.8
16	14.4	13.3	13.9	14.8	12.4	13.1	16.5	16.3	16.5	12.1	8.1	10.3
17	15.0	12.8	14.2	15.3	12.6	14.1	16.5	15.9	16.3	10.2	8.0	9.4
18	13.5	12.8	13.3	15.2	13.4	14.4	16.7	15.2	16.0	12.2	8.2	9.6
19	13.7	13.4	13.5	14.4	13.2	13.8	16.8	14.8	15.9	13.3	7.7	10.1
20	13.9	13.0	13.5	14.3	13.8	14.0	16.7	14.5	15.7	14.2	11.0	13.4
21	13.8	10.6	13.0	14.6	14.3	14.4	---	---	---	14.1	12.1	13.6
22	13.6	11.1	12.2	14.7	13.9	14.5	---	---	---	13.0	9.9	12.1
23	13.1	10.1	11.6	14.5	13.3	14.0	---	---	---	12.8	10.9	12.0
24	14.1	10.0	12.2	15.0	12.7	13.8	15.2	14.6	14.9	14.5	12.1	13.4
25	14.6	14.1	14.3	14.4	13.8	14.1	15.3	14.9	15.1	14.7	10.7	12.4
26	15.7	14.6	15.2	14.6	14.2	14.4	15.1	14.1	14.6	11.3	6.3	9.3
27	15.7	14.2	14.9	14.7	13.2	14.1	15.6	13.1	14.5	9.5	4.0	6.4
28	14.5	13.9	14.3	14.6	13.6	14.1	15.8	15.5	15.7	9.7	3.1	7.5
29	14.5	14.2	14.4	14.6	14.0	14.4	15.7	15.1	15.4	12.6	2.6	9.0
30	14.3	13.1	13.6	14.7	13.9	14.3	15.5	14.9	15.3	15.0	8.4	12.8
31	13.3	11.7	12.9	---	---	---	15.4	14.3	14.9	15.1	11.8	14.3
MONTH	15.9	10.0	13.7	15.8	10.7	14.0	---	---	---	17.5	2.6	12.8
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	12.4	15.0	12.4	9.7	11.3	8.1	5.3	6.7	11.7	9.5	10.8
2	13.7	9.0	11.1	12.2	9.4	11.5	5.5	3.4	4.4	12.1	9.4	10.8
3	10.0	4.2	6.6	11.5	10.5	10.8	6.3	3.6	5.2	12.0	10.9	11.4
4	---	---	---	11.6	10.6	11.2	8.4	5.6	6.6	12.4	11.1	11.9
5	---	---	---	11.5	8.1	10.2	6.7	3.9	5.5	11.5	10.7	11.2
6	---	---	---	10.8	6.4	9.0	4.5	2.7	3.5	11.0	8.7	10.2
7	---	---	---	9.6	4.9	8.4	4.2	2.7	3.6	12.0	9.5	10.6
8	---	---	---	8.2	2.4	4.7	3.6	2.4	2.9	11.7	9.2	10.5
9	---	---	---	7.0	1.6	4.3	3.8	2.1	3.0	---	---	---
10	---	---	---	8.5	5.7	7.1	3.9	2.0	2.8	---	---	---
11	---	---	---	8.6	6.6	7.9	3.0	2.4	2.7	---	---	---
12	---	---	---	6.6	4.3	5.5	3.0	1.4	2.0	---	---	---
13	---	---	---	6.6	3.7	4.8	2.2	1.4	1.8	---	---	---
14	---	---	---	6.0	4.9	5.4	2.3	1.0	1.5	---	---	---
15	---	---	---	6.0	4.9	5.4	5.3	1.0	2.3	---	---	---
16	---	---	---	7.0	4.6	5.8	9.2	1.3	3.9	---	---	---
17	---	---	---	7.9	4.7	6.7	11.7	1.1	4.1	---	---	---
18	---	---	---	5.6	4.1	4.7	8.7	3.3	5.3	13.7	10.6	12.2
19	---	---	---	6.7	4.3	5.5	14.8	3.8	8.3	12.9	12.4	12.6
20	---	---	---	7.1	5.7	6.5	15.7	6.3	11.2	13.0	12.6	12.7
21	---	---	---	7.5	5.1	6.9	13.0	5.3	9.8	12.7	10.7	11.7
22	11.0	6.3	8.4	7.6	4.7	6.8	10.6	8.9	9.6	12.3	10.4	11.5
23	8.8	4.9	6.4	7.6	6.5	7.1	11.8	9.5	10.6	13.0	9.7	11.4
24	13.5	8.7	11.4	7.5	6.8	7.2	11.8	10.0	11.2	13.0	10.0	11.7
25	13.6	9.8	11.9	7.8	6.5	7.2	11.8	10.2	11.0	12.0	10.0	11.3
26	13.8	11.5	12.5	7.8	6.8	7.3	13.0	11.1	12.1	12.8	11.2	12.0
27	14.5	12.8	13.5	8.3	6.1	7.1	12.4	10.3	11.5	12.7	11.7	12.3
28	14.4	10.0	12.2	8.4	4.6	6.7	12.2	10.6	11.7	12.3	11.0	11.5
29	---	---	---	6.8	4.6	6.2	13.1	11.5	12.5	12.0	10.7	11.4
30	---	---	---	7.5	5.6	6.7	12.2	10.6	11.5	11.9	11.1	11.6
31	---	---	---	9.5	5.8	7.3	---	---	---	12.4	11.5	11.9
MONTH	---	---	---	12.4	1.6	7.2	15.7	1.0	6.6	---	---	---

NEUSE RIVER BASIN

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SALINITY (PARTS PER THOUSAND), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	12.9	11.2	12.1	15.3	12.4	13.7	19.0	14.7	16.2	18.1	16.1	17.3
2	12.8	11.3	11.8	15.5	11.8	14.0	17.9	15.5	16.9	18.9	15.8	17.3
3	13.4	11.6	12.4	15.7	13.3	14.6	18.2	17.3	17.9	20.0	15.4	18.2
4	13.4	11.5	12.2	16.4	14.1	15.5	17.9	17.1	17.7	20.1	18.8	19.3
5	13.3	11.4	12.3	15.9	14.5	15.1	18.6	17.9	18.2	19.7	18.1	19.0
6	12.9	11.9	12.5	16.7	15.4	15.9	18.9	17.4	18.2	18.9	17.1	18.4
7	13.4	12.4	12.9	16.7	15.3	15.9	18.9	18.2	18.4	18.6	13.5	16.6
8	14.6	12.8	13.4	16.5	14.5	15.5	19.0	17.2	18.2	18.4	13.5	16.2
9	---	---	---	18.1	15.5	16.5	18.4	16.8	17.5	18.3	15.9	17.1
10	---	---	---	17.6	16.7	17.1	17.8	16.9	17.3	19.4	17.8	18.8
11	---	---	---	18.1	16.4	17.2	18.0	17.3	17.6	19.4	17.3	18.2
12	15.5	10.9	13.2	17.1	15.7	16.5	18.6	17.3	18.0	18.6	18.1	18.5
13	15.0	12.9	13.7	16.1	14.9	15.4	18.9	17.9	18.3	18.6	18.1	18.5
14	15.0	12.8	13.9	16.6	15.0	15.6	18.4	17.5	17.9	18.4	17.2	17.8
15	15.2	13.2	14.6	16.2	15.2	15.5	18.0	17.5	17.7	17.9	16.6	17.1
16	15.5	13.3	14.2	16.9	13.8	15.4	19.4	17.6	18.0	17.8	16.0	16.7
17	15.3	13.4	14.5	17.9	13.8	16.3	20.3	18.0	19.1	17.3	16.5	16.8
18	15.5	13.4	15.0	18.1	14.3	16.6	21.6	17.9	19.9	17.3	15.8	17.1
19	14.8	13.3	14.3	17.2	15.7	16.6	---	---	---	17.3	16.3	16.9
20	15.3	14.1	14.8	19.8	15.4	16.8	---	---	---	17.5	16.1	16.9
21	15.9	12.6	14.2	19.0	15.2	15.8	21.0	17.6	19.1	17.3	15.7	16.5
22	14.7	12.2	13.1	19.8	14.9	16.3	21.1	18.3	19.3	17.3	16.1	16.7
23	15.0	12.8	13.8	19.2	15.4	16.8	21.9	18.8	20.3	16.5	14.6	15.6
24	15.6	12.7	14.2	17.3	15.7	16.2	21.5	19.4	20.4	17.6	15.2	16.3
25	16.2	13.6	14.3	18.6	15.0	16.2	21.3	19.0	20.5	17.8	13.5	16.4
26	16.3	13.5	14.8	20.6	14.8	17.4	20.8	19.3	20.2	17.5	13.5	16.0
27	17.9	13.7	15.6	19.8	15.2	17.6	21.1	19.3	20.0	15.6	14.3	14.6
28	16.9	13.9	15.2	20.8	16.1	17.6	20.5	19.5	20.1	15.6	14.1	14.9
29	17.2	15.3	16.3	22.5	17.5	19.3	19.7	18.8	19.3	16.1	15.1	15.4
30	16.5	12.8	14.7	23.4	18.1	20.5	19.8	18.4	19.0	15.9	14.5	15.0
31	---	---	---	23.5	14.7	18.6	19.7	17.7	18.9	---	---	---
MONTH	---	---	---	23.5	11.8	16.4	---	---	---	20.1	13.5	17.0

SALINITY (PARTS PER THOUSAND), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.4	14.9	15.1	17.6	16.3	17.3	17.8	15.1	16.4	17.1	14.4	15.2
2	15.5	14.3	14.9	17.5	16.6	17.1	18.8	17.3	18.3	17.6	14.9	16.4
3	17.1	14.8	16.0	17.5	16.5	17.0	20.2	15.3	19.5	17.3	16.1	16.6
4	17.3	15.2	16.5	17.4	13.0	16.2	20.1	19.2	19.8	17.1	15.6	16.2
5	16.8	15.7	16.6	17.3	12.9	15.5	19.6	18.4	19.0	17.0	16.5	16.7
6	17.3	15.6	16.6	16.6	14.1	15.5	19.1	18.4	18.8	16.9	15.1	16.2
7	15.8	15.5	15.7	17.3	16.1	16.7	19.8	17.7	19.3	16.1	15.3	15.6
8	15.9	15.2	15.5	17.2	16.8	17.0	19.7	19.3	19.5	16.1	15.8	16.0
9	16.6	14.8	15.8	17.0	15.5	16.6	19.4	15.6	17.7	16.0	15.3	15.6
10	16.9	16.4	16.7	16.6	15.2	16.0	19.0	15.8	17.2	16.0	15.3	15.7
11	17.1	16.2	16.9	16.6	15.1	15.8	19.1	16.6	18.3	17.0	15.6	16.1
12	17.1	16.2	16.8	15.9	15.8	15.9	18.8	16.3	18.0	17.5	16.5	17.1
13	17.1	15.9	16.7	15.9	15.7	15.8	18.6	17.3	18.1	18.8	14.7	17.3
14	16.4	13.4	15.2	15.9	15.3	15.7	18.0	16.7	17.4	18.1	15.4	16.7
15	14.7	13.4	14.3	15.7	13.9	14.6	17.5	15.9	16.7	19.3	14.9	18.1
16	15.6	14.4	15.1	15.8	14.1	15.0	16.3	15.9	16.1	19.9	18.8	19.6
17	15.4	13.5	14.7	15.9	15.2	15.6	16.3	15.7	16.2	19.6	18.5	19.1
18	13.8	13.1	13.5	15.9	15.3	15.7	16.4	14.9	15.7	20.0	19.4	19.7
19	13.9	13.4	13.6	15.9	15.6	15.8	16.5	15.3	16.3	20.3	16.9	19.6
20	14.7	13.5	14.4	16.1	14.3	15.5	16.3	14.9	15.4	19.4	14.3	17.3
21	14.9	14.3	14.6	15.3	14.4	14.8	16.3	15.9	16.2	19.6	15.5	19.0
22	14.9	14.0	14.6	16.2	15.3	15.8	16.3	14.7	15.1	19.7	14.9	19.2
23	15.8	14.9	15.3	16.6	15.6	16.2	16.1	15.0	15.8	19.5	17.9	19.1
24	16.0	15.2	15.7	16.2	14.2	15.3	16.3	14.6	15.2	19.4	14.6	18.0
25	16.9	15.7	16.3	14.8	14.4	14.7	15.0	14.6	14.8	18.7	12.3	15.2
26	16.9	14.9	15.5	14.8	14.5	14.6	16.2	14.5	15.3	18.9	13.7	16.8
27	15.7	14.3	15.1	15.3	14.7	14.9	16.3	15.0	15.7	18.7	17.2	18.2
28	16.6	14.1	14.6	15.5	14.8	15.1	15.5	15.3	15.4	18.4	15.3	17.6
29	17.4	14.4	15.3	16.2	15.1	15.6	15.5	15.0	15.3	18.5	16.2	17.8
30	17.8	17.3	17.7	16.4	14.8	15.5	15.2	15.1	15.1	18.4	16.2	17.9
31	17.8	15.0	17.3	---	---	---	17.4	15.1	15.7	18.6	16.5	17.7
MONTH	17.8	13.1	15.6	17.6	12.9	15.8	20.2	14.5	16.9	20.3	12.3	17.3

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

SALINITY (PARTS PER THOUSAND), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	18.7	16.0	17.7	14.0	12.6	13.6	13.8	7.4	10.4	14.8	12.1	13.4
2	18.0	10.3	14.1	13.6	10.8	12.0	14.2	10.1	13.1	15.1	11.8	13.7
3	18.9	16.0	18.0	11.3	10.6	11.0	12.1	6.3	10.7	15.1	12.0	14.2
4	19.0	11.3	17.1	11.4	10.6	11.1	14.1	5.7	7.4	12.7	11.7	12.3
5	15.0	13.1	13.9	11.5	10.2	11.0	14.2	5.8	8.2	12.6	11.3	11.7
6	16.9	14.0	15.9	12.6	10.4	11.6	13.6	3.9	11.1	12.8	12.1	12.6
7	---	---	---	12.2	10.6	11.2	11.5	4.4	8.4	14.8	12.6	14.1
8	17.1	10.9	14.1	13.2	10.3	11.7	10.1	4.8	8.3	14.8	13.1	14.5
9	17.1	15.3	16.7	12.7	8.8	10.9	8.7	2.9	6.4	---	---	---
10	16.7	11.9	15.3	11.2	6.8	9.4	10.9	4.4	7.2	14.6	11.8	13.9
11	15.8	10.8	13.0	8.9	7.6	8.2	11.1	3.0	8.4	14.9	9.9	12.3
12	12.8	10.7	12.2	10.7	6.4	8.6	11.4	4.1	10.1	15.2	11.6	13.1
13	15.1	11.1	13.8	11.6	9.9	10.6	10.0	5.0	7.8	15.3	10.3	13.9
14	14.8	8.7	10.2	12.3	10.9	12.0	11.1	5.0	8.9	13.7	10.3	12.6
15	14.7	8.6	11.7	12.1	10.8	11.9	11.7	10.7	11.3	12.8	11.7	12.5
16	14.7	13.9	14.3	13.0	11.8	12.5	12.0	11.6	11.9	---	---	---
17	14.8	11.6	13.3	13.7	7.4	10.4	14.5	11.9	13.3	---	---	---
18	13.3	10.8	11.8	16.2	13.7	15.6	15.8	12.7	14.8	13.7	10.7	12.3
19	14.7	13.1	13.9	16.3	10.4	15.0	16.4	14.0	15.8	13.0	12.4	12.7
20	14.5	11.5	13.6	14.2	9.1	12.2	16.7	14.1	15.7	13.1	12.7	12.8
21	14.9	12.2	13.8	13.5	7.1	8.3	18.8	15.2	17.6	13.0	10.9	12.2
22	16.8	14.9	15.9	13.8	6.7	8.5	19.0	14.2	16.9	13.0	10.9	12.1
23	17.2	16.4	17.0	12.7	7.4	9.1	19.1	12.4	18.2	13.9	12.6	13.6
24	17.2	12.4	14.7	12.5	10.6	11.8	18.5	11.6	14.0	14.1	12.8	13.6
25	16.0	12.4	15.1	12.4	9.1	11.1	16.1	12.4	14.1	13.9	12.0	13.5
26	15.2	12.7	14.0	11.5	7.8	10.3	14.6	11.7	12.9	13.9	12.8	13.6
27	14.5	12.7	13.4	10.1	7.7	9.0	13.0	12.4	12.6	13.9	12.3	13.0
28	14.3	12.9	13.8	13.5	7.5	10.5	14.4	11.7	12.6	12.9	11.9	12.5
29	---	---	---	12.7	8.3	10.1	13.7	11.7	12.9	13.2	11.7	12.3
30	---	---	---	11.4	6.8	9.6	13.1	11.8	12.3	12.1	11.6	11.8
31	---	---	---	11.3	8.9	10.5	---	---	---	12.6	12.0	12.2
MONTH	---	---	---	16.3	6.4	10.9	19.1	2.9	11.8	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.6	12.5	13.7	18.5	15.7	17.0	24.5	22.8	23.9	19.9	17.4	18.9
2	16.6	12.8	14.7	18.4	16.5	17.3	23.5	18.8	21.6	19.8	16.9	18.6
3	16.6	12.2	13.6	18.6	16.1	17.6	19.0	17.9	18.4	20.3	18.1	19.8
4	14.7	11.7	13.1	18.8	15.2	17.4	18.3	17.7	18.1	20.3	19.9	20.2
5	14.1	12.0	13.2	18.7	15.8	17.7	19.1	18.1	18.7	20.5	18.4	19.8
6	14.1	12.5	13.1	17.7	15.7	16.2	19.5	17.7	18.8	19.1	18.5	18.7
7	13.5	12.6	12.9	17.2	16.1	16.6	19.3	18.5	18.7	18.9	17.3	18.6
8	14.7	12.7	13.5	17.4	16.4	16.7	19.4	17.9	19.0	19.0	15.9	18.3
9	14.7	13.6	14.3	18.3	16.6	17.5	19.6	17.7	19.1	18.8	16.2	18.0
10	16.9	14.4	15.3	17.7	16.7	17.1	19.5	17.3	18.3	19.2	18.2	18.8
11	16.5	14.8	15.6	18.1	16.5	17.3	19.0	17.7	18.5	19.6	17.6	18.6
12	17.0	14.0	16.0	17.1	16.5	16.8	19.4	18.8	19.1	18.5	18.1	18.4
13	17.1	13.6	15.8	16.7	15.7	16.3	19.2	18.1	18.9	18.4	18.1	18.3
14	17.3	13.7	16.1	16.8	15.5	16.3	19.6	18.3	18.9	18.3	17.4	18.0
15	17.8	14.8	16.2	17.5	15.4	16.3	19.9	18.2	19.0	18.0	17.6	17.8
16	18.1	14.8	17.5	18.4	17.0	17.9	21.3	19.4	20.3	17.9	16.2	17.5
17	18.2	14.7	17.0	19.0	17.5	18.8	22.4	21.3	21.8	17.7	16.5	16.9
18	18.1	15.6	16.7	18.8	17.9	18.5	23.5	21.7	23.0	17.6	17.0	17.3
19	16.8	14.6	15.5	19.5	17.1	18.7	---	---	---	17.3	16.5	16.9
20	15.8	14.6	15.2	21.2	17.5	19.6	---	---	---	17.7	15.7	17.2
21	16.5	12.9	15.0	21.4	16.0	20.2	24.4	19.4	22.0	17.7	16.2	17.2
22	15.9	14.5	15.2	21.6	19.8	21.1	23.2	19.9	21.6	17.7	16.5	16.9
23	15.4	15.1	15.2	20.9	18.4	20.1	23.5	20.8	22.3	17.1	15.3	16.5
24	16.5	15.2	15.9	20.4	18.4	19.4	23.6	20.1	22.2	17.7	16.4	17.3
25	17.1	15.5	16.5	21.4	18.9	20.0	23.3	20.5	21.9	18.0	14.1	17.6
26	18.9	16.1	17.5	22.4	20.0	21.7	21.2	20.5	21.0	17.7	16.8	17.4
27	19.7	15.4	18.7	23.5	20.5	21.9	21.8	20.4	21.3	16.9	14.3	15.4
28	19.8	17.4	18.9	23.8	21.5	23.1	21.7	20.1	20.4	16.5	14.3	15.4
29	19.7	17.7	19.0	24.3	21.2	23.5	20.3	19.4	19.9	16.1	15.2	15.6
30	18.4	15.7	17.1	24.5	20.8	23.6	20.2	19.0	19.5	16.1	14.7	15.5
31	---	---	---	24.6	23.3	24.3	20.1	18.1	19.3	---	---	---
MONTH	19.8	11.7	15.6	24.6	15.2	18.9	---	---	---	20.5	14.1	17.7

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

WATER TEMPERATURE DEGREES CELSIUS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	19.5	20.0	15.8	14.3	14.9	18.4	17.2	17.7	7.8	6.9	7.6
2	20.2	18.6	19.4	17.1	15.0	15.9	18.1	17.3	17.8	7.2	6.5	6.9
3	21.5	20.0	20.3	18.3	15.7	16.8	17.3	16.6	16.9	7.0	5.8	6.4
4	20.9	19.4	20.2	17.5	16.9	17.2	16.9	15.9	16.5	5.8	4.9	5.2
5	21.6	20.2	20.8	17.3	16.1	16.7	16.7	15.1	15.6	5.3	4.2	4.9
6	22.0	21.0	21.3	16.1	14.4	15.2	16.4	15.4	15.9	5.8	4.2	5.3
7	21.1	20.1	20.5	15.1	13.8	14.5	17.2	15.8	16.5	5.9	5.6	5.8
8	20.2	18.7	19.4	15.8	13.7	14.6	17.5	16.1	16.9	5.9	4.7	5.5
9	18.9	17.9	18.3	15.3	14.1	14.7	17.1	15.9	16.8	5.9	4.7	5.5
10	20.1	17.6	18.6	15.2	14.4	14.9	16.1	15.3	15.6	7.4	5.6	6.3
11	20.9	18.5	19.6	15.3	14.5	14.8	15.7	15.4	15.5	7.4	6.2	6.8
12	21.2	19.5	20.2	14.7	14.1	14.4	16.0	15.4	15.6	7.4	6.4	7.0
13	21.9	20.2	20.7	14.1	13.5	13.8	16.2	15.5	15.7	7.6	7.0	7.3
14	21.4	20.2	20.9	14.2	13.2	13.6	16.6	15.8	16.1	7.7	6.1	7.1
15	21.6	20.8	21.2	14.2	13.6	13.9	16.6	16.0	16.4	8.7	7.3	7.9
16	21.8	20.3	20.9	14.9	13.9	14.4	16.0	15.1	15.5	8.2	7.0	7.5
17	20.6	18.9	19.8	15.2	14.3	14.8	15.5	14.8	15.2	8.6	7.0	7.9
18	18.9	18.1	18.5	15.1	14.4	14.7	15.6	15.1	15.4	9.2	8.2	8.6
19	19.5	17.4	18.1	15.7	14.2	14.5	15.1	14.2	14.6	9.6	8.4	8.9
20	19.0	17.8	18.4	15.3	14.5	14.9	14.4	13.3	13.9	9.1	8.3	8.6
21	20.8	18.6	19.4	14.9	14.0	14.3	13.3	11.7	12.6	8.6	8.0	8.4
22	21.7	19.1	20.3	14.7	13.5	13.8	11.7	10.7	11.1	9.4	8.0	8.4
23	21.8	20.6	21.3	13.9	13.4	13.6	11.5	10.2	11.0	9.1	8.1	8.8
24	23.9	19.8	21.6	14.7	13.8	14.3	12.2	11.4	11.8	10.8	8.8	9.9
25	20.7	19.2	19.9	15.3	14.6	15.0	11.8	10.8	11.2	11.3	10.4	10.9
26	19.8	18.9	19.3	16.8	15.2	15.8	10.8	10.1	10.5	11.0	9.8	10.3
27	18.9	16.4	17.5	17.4	16.3	16.7	10.1	9.2	9.6	10.9	9.6	10.3
28	16.4	14.7	15.4	18.5	16.5	17.1	9.4	8.9	9.1	12.2	10.4	11.1
29	15.2	14.0	14.5	17.7	16.8	17.0	9.3	8.7	9.0	13.0	10.5	11.4
30	15.6	13.3	13.9	17.4	16.7	17.0	8.8	7.9	8.3	12.7	10.8	11.4
31	15.3	13.7	14.3	---	---	---	8.3	7.4	7.9	13.9	11.3	12.3
MONTH	23.9	13.3	19.2	18.5	13.2	15.1	18.4	7.4	13.9	13.9	4.2	8.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.7	11.6	12.4	10.5	8.3	9.2	19.5	18.0	18.7	22.3	20.7	21.4
2	15.0	13.2	13.8	10.2	9.2	9.5	20.0	18.5	19.3	23.0	21.2	22.1
3	13.2	12.1	12.5	12.1	10.2	11.4	20.4	19.3	19.6	23.7	22.5	23.0
4	---	---	---	12.0	10.5	11.4	19.5	17.3	18.2	22.9	21.2	21.9
5	---	---	---	11.2	9.6	10.4	17.6	16.5	17.1	21.2	20.0	20.6
6	---	---	---	11.0	9.4	10.3	16.8	15.8	16.4	21.6	19.5	20.3
7	---	---	---	13.5	9.3	10.9	17.1	15.1	15.8	22.2	20.9	21.6
8	---	---	---	15.9	11.5	13.4	17.1	15.0	16.0	26.0	21.2	23.2
9	---	---	---	15.1	13.3	14.1	18.9	16.5	17.5	---	---	---
10	---	---	---	14.9	13.3	14.2	18.9	17.7	18.0	---	---	---
11	---	---	---	13.8	12.9	13.4	18.8	17.4	18.1	---	---	---
12	---	---	---	13.6	12.5	13.2	20.2	17.9	18.8	---	---	---
13	---	---	---	15.0	13.3	13.9	20.2	18.7	19.5	---	---	---
14	---	---	---	16.3	13.8	14.9	21.6	19.3	20.1	---	---	---
15	---	---	---	16.8	15.2	16.0	21.8	19.0	20.2	---	---	---
16	---	---	---	18.2	15.3	16.7	24.4	18.8	20.5	---	---	---
17	---	---	---	17.9	16.3	16.8	25.0	17.7	21.0	---	---	---
18	---	---	---	17.0	16.0	16.3	25.7	20.0	21.7	23.3	22.5	22.9
19	---	---	---	16.4	15.2	15.8	23.6	18.7	20.7	22.5	20.6	21.5
20	---	---	---	16.7	15.2	15.9	24.5	18.1	20.6	20.6	19.7	20.1
21	---	---	---	16.5	15.0	15.9	24.0	20.6	22.3	20.3	19.2	19.6
22	13.1	11.9	12.3	15.1	13.7	14.5	23.8	22.4	23.2	19.6	18.7	19.1
23	12.6	10.9	11.7	15.7	13.3	14.0	23.3	21.2	22.1	20.7	18.4	19.4
24	11.2	10.1	10.6	15.6	12.8	14.0	21.4	20.0	20.7	23.1	19.3	20.5
25	12.5	9.1	10.6	16.3	13.8	14.7	20.6	20.0	20.3	24.5	19.5	21.5
26	11.9	10.0	11.0	16.1	15.0	15.8	20.5	19.6	20.0	24.1	22.2	22.8
27	11.7	10.5	11.4	16.3	15.8	16.1	20.0	19.4	19.6	24.1	22.0	23.2
28	10.5	9.4	10.0	17.0	14.9	15.7	21.1	19.4	20.2	25.0	23.4	24.1
29	---	---	---	17.6	15.0	16.2	21.9	20.7	21.3	24.5	23.9	24.2
30	---	---	---	17.3	16.2	16.8	22.8	20.6	21.4	24.9	23.8	24.3
31	---	---	---	18.5	17.2	17.9	---	---	---	26.7	24.5	25.1
MONTH	---	---	---	18.5	8.3	14.2	25.7	15.0	19.6	---	---	---

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

WATER TEMPERATURE DEGREES CELSIUS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN				
		JUNE				JULY				AUGUST				SEPTEMBER		
1	28.4	25.3	26.1	30.0	27.5	28.3	31.7	29.9	30.4	27.0	26.4	26.7				
2	27.8	25.0	26.2	30.0	28.1	28.8	31.2	29.8	30.8	26.8	26.1	26.3				
3	28.1	26.8	27.3	30.1	28.0	28.8	30.6	29.7	30.0	26.6	25.6	26.1				
4	28.4	26.4	27.3	30.2	26.8	27.9	30.1	29.1	29.7	27.1	26.3	26.5				
5	27.9	26.7	27.1	28.9	27.4	28.1	29.8	28.7	29.3	28.5	26.1	27.1				
6	28.2	26.4	27.0	29.4	27.9	28.5	29.8	28.8	29.2	28.2	27.3	27.7				
7	27.1	25.7	26.6	29.4	27.8	28.4	28.8	27.6	28.1	28.2	26.5	27.0				
8	25.7	24.5	25.0	29.3	28.2	28.6	27.6	26.8	27.1	27.1	26.0	26.6				
9	25.5	23.6	24.6	29.7	28.0	28.7	27.0	25.5	26.1	26.6	25.7	26.0				
10	26.8	24.8	25.5	29.0	27.9	28.3	26.5	25.3	25.9	25.8	25.3	25.6				
11	27.5	25.5	26.2	28.1	27.0	27.6	27.1	25.6	26.2	26.3	25.0	25.5				
12	27.1	24.8	25.7	27.1	25.9	26.6	27.6	26.5	26.6	26.6	25.3	25.8				
13	28.3	25.7	26.6	26.8	25.9	26.3	28.6	26.3	26.9	26.5	24.9	25.5				
14	27.6	26.4	27.0	27.0	26.0	26.6	28.0	26.7	27.4	25.9	25.1	25.6				
15	27.9	26.0	26.9	28.5	26.5	27.2	28.2	27.2	27.6	26.6	25.3	25.9				
16	28.9	26.8	27.5	28.0	27.3	27.7	28.5	27.2	27.8	26.6	26.0	26.3				
17	27.8	26.2	27.2	28.3	27.2	27.7	29.0	26.9	27.7	27.5	25.9	26.4				
18	27.5	26.2	27.0	28.8	27.4	28.0	29.2	26.7	27.8	27.3	26.5	26.9				
19	26.6	25.8	26.1	29.2	27.3	28.1	---	---	---	27.6	25.8	26.6				
20	26.0	25.4	25.6	29.1	27.8	28.3	---	---	---	27.9	25.9	26.6				
21	25.8	24.8	25.2	30.1	28.4	29.2	29.2	27.9	28.6	28.4	26.2	27.0				
22	26.0	24.7	25.2	30.0	28.8	29.6	29.1	27.9	28.3	27.9	26.7	27.3				
23	27.0	25.3	25.8	29.8	28.4	29.1	30.8	27.6	28.4	27.5	26.8	27.2				
24	26.9	25.4	26.1	29.3	28.3	28.8	30.2	27.9	28.8	26.8	25.9	26.3				
25	27.2	25.4	26.2	29.0	28.1	28.5	30.6	28.1	29.0	26.2	24.9	25.6				
26	27.3	25.7	26.5	29.0	28.2	28.6	29.9	28.7	29.3	25.3	24.6	25.0				
27	27.0	25.9	26.4	29.8	28.4	28.8	29.2	28.6	28.9	26.1	25.0	25.5				
28	28.0	25.9	26.9	29.1	28.3	28.6	28.9	27.9	28.2	26.8	25.8	26.1				
29	28.7	26.5	27.3	29.0	27.9	28.5	28.3	27.3	27.6	26.2	25.5	25.8				
30	28.7	27.4	28.2	30.7	28.5	29.2	27.8	27.3	27.5	26.0	25.3	25.6				
31	---	---	---	31.4	28.9	30.4	27.3	26.7	27.0	---	---	---				
MONTH	28.9	23.6	26.4	31.4	25.9	28.3	---	---	---	28.5	24.6	26.3				

WATER TEMPERATURE DEGREES CELSIUS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN				
		OCTOBER				NOVEMBER				DECEMBER				JANUARY		
1	20.6	19.8	20.1	16.3	15.1	16.0	16.5	15.6	16.0	8.8	7.6	7.9				
2	20.0	19.0	19.6	16.3	15.7	16.0	16.2	15.4	15.6	8.8	6.7	7.9				
3	21.0	19.7	20.3	16.4	15.6	16.1	16.9	15.4	15.6	7.0	5.8	6.5				
4	21.0	20.1	20.7	17.3	15.9	16.5	16.0	15.5	15.7	5.9	5.1	5.4				
5	20.8	20.5	20.6	16.9	16.4	16.7	16.1	15.8	16.0	5.9	4.8	5.3				
6	21.6	20.6	20.9	16.5	15.1	15.4	16.2	16.0	16.1	5.9	5.1	5.5				
7	21.1	20.1	20.4	15.5	14.9	15.1	16.5	16.1	16.1	6.0	5.6	5.8				
8	20.2	18.9	19.4	15.4	14.9	15.3	16.1	16.0	16.0	5.9	5.2	5.5				
9	19.3	17.7	18.3	15.4	14.8	15.1	17.0	16.0	16.5	5.9	5.3	5.7				
10	18.8	18.3	18.5	15.5	14.9	15.2	16.1	15.3	15.7	6.0	5.6	5.8				
11	19.3	18.6	19.0	15.2	14.6	14.9	16.2	15.6	15.9	7.2	5.8	6.6				
12	19.5	19.0	19.3	14.7	14.1	14.4	16.0	15.4	15.7	7.1	6.6	6.9				
13	19.8	19.3	19.6	14.1	13.5	13.9	15.9	15.6	15.8	7.3	6.8	7.0				
14	21.2	19.7	20.4	14.1	13.8	13.9	16.3	15.8	15.9	7.5	7.3	7.4				
15	21.5	20.8	21.0	14.3	13.6	14.0	16.5	16.1	16.3	7.5	7.1	7.3				
16	21.1	20.5	20.8	14.9	14.0	14.4	16.1	15.2	15.5	7.3	7.2	7.2				
17	20.6	19.2	19.7	15.2	14.7	15.0	15.5	14.9	15.2	7.5	7.3	7.4				
18	19.2	18.0	18.5	14.9	14.6	14.7	15.6	15.1	15.4	7.6	7.5	7.5				
19	18.0	17.4	17.7	15.0	14.7	14.8	15.1	14.7	15.0	8.4	7.4	7.8				
20	18.7	17.5	18.3	15.2	14.9	15.0	14.7	13.3	13.9	8.4	8.1	8.3				
21	18.6	18.2	18.4	14.9	14.0	14.4	13.3	12.2	12.7	8.3	8.2	8.3				
22	18.8	18.5	18.6	14.8	14.6	14.7	12.4	10.9	11.2	8.4	8.2	8.3				
23	18.7	18.4	18.5	14.8	14.2	14.7	12.4	11.2	11.9	8.6	8.4	8.5				
24	19.2	18.5	18.8	14.8	14.2	14.5	12.3	11.6	12.0	10.4	8.4	9.1				
25	19.7	19.0	19.4	15.2	14.8	15.0	11.9	10.8	11.2	10.9	9.4	10.3				
26	19.7	18.9	19.3	15.5	15.1	15.3	11.2	10.6	10.9	10.8	9.7	10.1				
27	18.9	16.4	17.5	15.4	15.1	15.2	11.0	9.5	10.5	10.1	9.8	9.9				
28	16.4	14.8	15.5	15.5	15.2	15.3	9.5	8.9	9.2	10.1	9.7	10.0				
29	16.1	14.0	14.7	15.7	15.3	15.4	9.1	8.8	8.9	10.1	9.6	9.8				
30	16.4	15.6	16.2	16.8	15.5	15.9	8.8	8.1	8.4	10.1	9.6	9.9				
31	16.3	14.4	16.0	---	---	---	9.2	8.1	8.5	11.0	10.0	10.2				
MONTH	21.6	14.0	18.9	17.3	13.5	15.1	17.0	8.1	13.8	11.0	4.8	7.7				

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

WATER TEMPERATURE DEGREES CELSIUS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.9	10.0	11.0	9.8	8.8	9.6	18.5	16.2	17.4	21.3	20.8	21.0
2	14.0	11.8	13.1	10.2	9.1	9.4	17.4	16.1	16.5	21.5	20.8	21.0
3	12.6	11.6	12.1	11.9	10.2	11.1	19.3	16.8	17.4	23.1	20.9	22.1
4	11.8	10.2	11.4	11.7	10.5	11.3	19.5	16.8	18.1	22.9	21.3	22.0
5	10.2	8.6	9.1	10.5	9.2	9.8	17.4	16.6	16.9	21.3	20.5	20.7
6	9.9	8.9	9.5	10.6	9.7	10.1	17.6	16.6	17.1	20.5	19.8	20.0
7	---	---	---	10.3	10.0	10.2	16.9	15.0	16.1	21.2	19.9	20.5
8	9.5	8.1	8.8	10.5	10.0	10.3	16.8	16.2	16.6	21.3	20.5	20.7
9	9.5	9.2	9.4	12.5	10.4	10.9	18.7	16.6	17.0	---	---	---
10	10.0	9.1	9.6	14.4	10.9	12.6	18.3	16.6	17.4	23.6	20.9	21.5
11	10.6	9.6	10.2	13.7	13.2	13.4	18.4	16.7	17.2	25.0	21.1	23.5
12	10.5	10.0	10.3	13.4	12.8	13.0	18.0	16.7	17.1	24.1	22.4	23.3
13	10.5	9.6	10.3	13.2	12.7	13.0	18.4	17.1	17.7	24.2	22.6	23.3
14	10.4	9.8	10.1	13.2	12.7	12.8	18.4	16.8	17.4	24.1	22.4	23.0
15	10.4	9.5	10.0	13.1	12.9	12.9	16.9	16.6	16.7	23.4	22.0	22.5
16	10.5	10.0	10.4	13.3	12.9	13.1	16.7	16.5	16.6	---	---	---
17	10.4	9.6	10.1	16.7	13.2	14.9	17.3	16.6	17.0	---	---	---
18	9.7	8.7	9.1	14.0	13.2	13.4	17.3	17.0	17.2	23.4	22.6	22.9
19	10.2	9.6	10.0	14.8	13.4	13.9	18.9	17.2	17.5	22.6	20.6	21.5
20	10.6	9.9	10.1	15.2	14.1	14.7	18.9	18.0	18.2	20.6	19.8	20.2
21	11.1	10.4	10.7	16.2	14.5	15.7	19.4	18.1	18.3	20.4	19.3	19.8
22	10.9	10.5	10.6	14.8	13.9	14.4	19.7	18.3	18.7	19.8	18.8	19.2
23	10.7	10.4	10.4	14.2	13.4	13.9	20.7	18.4	18.9	19.3	18.8	19.1
24	11.0	10.0	10.5	14.5	14.1	14.4	20.6	18.9	20.1	20.3	19.2	19.7
25	11.1	9.8	10.8	14.3	14.0	14.2	20.3	19.7	20.0	20.2	19.4	19.8
26	11.9	10.7	11.2	16.0	14.2	14.6	20.5	19.8	20.1	20.6	19.6	19.9
27	11.6	10.5	11.4	16.2	15.0	15.7	20.5	19.5	20.0	23.7	19.7	21.4
28	10.5	9.5	9.9	15.8	14.7	15.0	21.1	19.5	20.2	23.9	22.6	23.2
29	---	---	---	16.0	14.9	15.3	21.8	20.7	21.2	24.4	23.6	24.2
30	---	---	---	16.8	15.3	16.0	21.7	20.5	20.9	24.9	23.7	24.3
31	---	---	---	18.2	16.3	16.9	---	---	---	25.9	24.5	24.8
MONTH	---	---	---	18.2	8.8	13.1	21.8	15.0	18.1	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.8	24.4	24.9	28.4	26.6	27.3	29.5	28.3	28.8	26.8	26.4	26.6
2	27.1	24.2	24.8	28.4	26.5	27.4	30.7	28.6	29.7	26.7	26.2	26.4
3	27.8	24.3	26.5	28.4	26.6	27.4	30.5	29.6	30.1	26.5	25.8	26.3
4	27.9	26.1	27.0	28.8	26.6	27.2	30.1	29.2	29.7	26.5	26.2	26.4
5	27.2	26.1	26.7	28.4	26.7	27.1	29.8	28.7	29.2	28.2	26.0	26.6
6	27.5	26.0	26.6	29.2	27.4	28.3	29.6	28.6	29.2	28.0	27.1	27.5
7	26.9	25.8	26.5	29.2	28.0	28.2	28.7	27.6	28.0	27.4	26.6	26.9
8	25.8	24.6	25.1	28.8	28.0	28.3	27.6	26.6	27.0	27.0	26.4	26.7
9	24.9	23.7	24.3	29.1	27.9	28.2	27.0	25.5	26.5	26.7	25.8	26.2
10	25.2	24.1	24.6	28.8	27.9	28.2	26.8	25.4	26.3	25.8	25.4	25.6
11	25.6	24.4	24.9	28.0	27.0	27.6	26.8	25.8	26.3	26.2	25.1	25.4
12	26.1	24.5	25.0	27.1	26.0	26.5	26.8	26.2	26.5	26.3	25.3	25.8
13	27.4	24.8	25.4	26.7	26.1	26.4	27.3	26.1	26.4	26.0	24.9	25.3
14	27.6	25.0	26.0	27.0	26.3	26.5	27.5	26.5	26.9	25.7	25.1	25.4
15	27.1	25.3	26.0	26.7	26.5	26.6	27.7	26.9	27.2	25.6	25.3	25.5
16	27.2	25.7	26.1	27.1	26.6	26.8	27.5	26.7	27.1	26.3	25.4	26.0
17	27.4	26.0	26.3	27.3	26.8	27.0	27.3	26.7	26.9	26.8	25.8	26.0
18	27.1	26.4	26.7	27.7	26.9	27.2	27.3	27.0	27.1	26.6	25.9	26.4
19	26.8	26.0	26.3	28.4	27.0	27.4	---	---	---	27.3	25.7	26.3
20	26.0	25.5	25.7	27.8	27.2	27.4	---	---	---	27.3	25.8	26.3
21	25.7	24.9	25.2	29.7	27.4	27.8	29.0	27.3	28.0	27.7	26.2	26.7
22	25.5	25.1	25.3	28.4	27.7	28.0	28.9	27.6	28.1	27.8	26.7	27.2
23	25.5	25.2	25.3	29.2	28.0	28.5	28.0	27.4	27.7	27.4	26.7	27.1
24	26.0	25.2	25.4	29.0	28.2	28.5	29.4	27.6	28.0	27.0	26.0	26.5
25	25.7	25.2	25.4	28.5	27.8	28.2	29.1	27.8	28.1	26.1	25.1	25.9
26	26.7	25.3	25.6	28.5	27.9	28.1	29.6	28.6	29.0	25.6	25.0	25.1
27	26.6	25.5	25.7	28.7	28.0	28.2	29.0	28.4	28.6	26.1	25.0	25.6
28	27.1	25.5	25.8	28.4	28.2	28.3	28.7	27.8	28.1	26.8	25.7	26.0
29	26.8	26.0	26.4	28.5	28.1	28.3	27.9	27.2	27.5	26.1	25.6	25.8
30	27.8	26.6	27.1	28.6	28.1	28.3	27.6	27.2	27.5	25.9	25.2	25.5
31	---	---	---	29.3	28.2	28.5	27.2	26.6	26.9	---	---	---
MONTH	27.9	23.7	25.8	29.7	26.0	27.7	---	---	---	28.2	24.9	26.2

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.9	5.8	6.2	10.9	9.6	10.2	7.7	6.7	7.1	12.4	11.2	11.7
2	7.5	6.0	6.8	10.7	10.0	10.4	7.4	6.7	7.1	12.1	11.0	11.6
3	8.7	6.6	7.5	11.4	10.2	10.8	8.0	6.8	7.2	12.1	11.0	11.4
4	8.3	4.4	7.2	11.3	10.6	10.9	9.3	7.0	7.8	---	---	---
5	7.9	7.1	7.6	10.8	8.9	10.0	9.9	7.9	9.0	---	---	---
6	7.1	5.5	6.4	9.3	8.3	8.9	9.3	8.0	8.6	---	---	---
7	7.2	5.2	6.3	9.6	8.6	9.1	8.8	7.5	8.1	---	---	---
8	8.2	6.8	7.4	9.7	8.8	9.2	8.9	7.8	8.4	---	---	---
9	8.4	7.4	7.9	9.3	8.0	8.9	8.7	7.7	8.2	---	---	---
10	9.4	7.8	8.5	9.7	8.5	9.1	8.6	7.7	8.1	---	---	---
11	9.4	7.9	8.9	9.4	8.6	8.9	8.6	7.8	8.2	---	---	---
12	9.3	8.5	8.8	9.1	8.4	8.8	8.8	7.7	8.2	---	---	---
13	8.9	8.1	8.5	9.2	8.6	8.9	9.5	7.2	8.4	---	---	---
14	8.4	5.0	7.0	9.7	9.0	9.3	10.1	8.2	9.0	---	---	---
15	7.3	3.6	6.6	9.7	9.2	9.4	9.7	8.1	8.8	---	---	---
16	7.5	6.6	7.1	9.8	9.1	9.5	9.9	8.2	9.1	14.6	12.6	13.7
17	7.5	6.5	6.9	9.6	8.9	9.3	10.8	8.5	9.3	15.1	13.8	14.4
18	7.8	7.1	7.4	9.4	8.7	9.1	9.4	8.0	8.9	15.1	14.1	14.6
19	7.8	7.0	7.4	10.1	8.9	9.4	10.2	8.0	9.1	14.4	12.0	13.3
20	8.0	6.8	7.5	10.0	9.1	9.5	10.8	8.7	9.6	13.2	11.0	12.2
21	8.7	7.2	7.8	9.8	9.0	9.4	12.9	9.1	10.0	13.5	12.1	12.8
22	8.8	7.4	8.2	10.5	9.2	9.7	12.6	9.3	11.1	15.3	12.6	13.8
23	8.9	7.0	8.2	10.2	8.8	9.7	15.3	10.6	11.9	15.3	13.3	14.4
24	9.4	6.7	7.8	10.3	8.8	9.5	12.7	10.2	11.1	13.4	12.0	12.7
25	7.1	4.3	5.6	9.2	8.9	9.0	11.8	10.5	10.9	12.7	11.7	12.1
26	7.7	6.1	7.0	9.5	8.5	9.0	11.4	10.3	10.9	15.7	12.3	13.8
27	8.1	6.7	7.4	9.4	8.2	8.8	11.9	10.7	11.2	17.4	13.6	14.9
28	8.7	7.5	8.1	8.7	7.1	8.1	13.2	10.4	11.4	18.9	11.7	16.2
29	9.0	8.1	8.5	9.4	7.0	7.7	13.1	10.6	11.4	18.9	11.7	15.1
30	9.9	8.5	9.2	7.7	6.7	7.1	11.4	10.7	11.1	15.9	12.4	13.5
31	10.6	9.1	9.8	---	---	---	11.9	10.5	11.3	15.6	11.0	12.3
MONTH	10.6	3.6	7.6	11.4	6.7	9.3	15.3	6.7	9.4	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.9	8.7	10.3	14.6	12.0	13.4	11.8	7.4	9.6	6.5	4.2	5.6
2	10.6	9.2	9.9	13.1	11.3	12.3	12.6	8.5	10.5	8.2	4.4	6.6
3	10.2	8.1	9.5	12.2	10.2	10.9	9.4	6.7	8.5	8.8	6.9	7.7
4	---	---	---	12.1	10.1	11.0	9.1	5.4	7.6	7.4	6.6	7.0
5	---	---	---	15.2	10.8	12.7	10.3	7.7	8.8	7.5	6.3	6.8
6	---	---	---	16.9	12.6	14.0	9.4	7.8	8.4	8.9	7.0	7.9
7	---	---	---	15.9	12.8	13.8	10.9	7.3	8.6	8.4	6.9	7.8
8	---	---	---	17.1	10.3	13.7	9.8	8.0	9.0	11.3	6.8	8.7
9	---	---	---	12.8	9.4	10.9	9.7	7.6	8.7	---	---	---
10	---	---	---	13.4	9.9	11.5	9.6	7.6	8.5	---	---	---
11	---	---	---	12.0	10.7	11.4	9.0	7.9	8.3	---	---	---
12	---	---	---	13.9	11.4	12.2	8.6	7.5	8.0	---	---	---
13	---	---	---	14.5	10.2	11.8	9.0	7.9	8.4	---	---	---
14	---	---	---	15.6	9.4	11.7	9.0	7.3	8.2	---	---	---
15	---	---	---	14.6	10.7	12.6	7.4	3.6	6.4	---	---	---
16	---	---	---	12.4	7.7	10.2	8.0	2.7	5.6	---	---	---
17	---	---	---	11.3	9.2	10.1	8.6	2.5	6.2	---	---	---
18	---	---	---	10.4	8.3	9.2	9.0	4.9	6.6	8.0	6.4	7.2
19	---	---	---	12.9	7.3	9.9	9.8	3.7	6.0	7.6	6.2	6.9
20	---	---	---	9.8	8.6	9.3	9.0	3.1	5.7	8.5	6.3	7.3
21	---	---	---	10.0	8.3	9.0	8.7	5.3	6.9	9.1	7.3	8.1
22	15.5	12.6	14.2	10.8	7.2	8.7	7.8	6.2	7.1	8.8	7.5	8.1
23	14.6	12.1	12.9	15.3	8.3	10.8	8.4	6.2	7.1	9.3	7.1	8.3
24	12.5	11.1	11.7	16.0	9.3	12.2	8.4	6.5	7.5	9.5	7.6	8.4
25	14.4	11.1	12.6	14.4	9.8	12.0	8.1	6.5	7.4	9.6	6.9	8.4
26	14.2	11.5	13.0	13.1	9.8	11.6	8.4	6.3	7.3	9.7	7.7	8.5
27	13.1	10.6	12.0	10.1	8.3	9.3	8.1	6.4	7.3	9.6	8.0	8.7
28	14.5	10.0	11.9	12.8	8.5	10.1	7.5	5.5	6.6	8.6	6.8	7.6
29	---	---	---	13.0	9.9	11.1	7.5	5.2	6.6	7.6	6.3	6.9
30	---	---	---	10.5	7.0	8.9	7.1	4.7	6.2	7.5	5.7	6.5
31	---	---	---	11.0	7.2	8.8	---	---	---	8.4	6.0	6.8
MONTH	---	---	---	17.1	7.0	11.1	12.6	2.5	7.6	---	---	---

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	8.7	6.2	7.2	11.7	8.1	9.1	9.5	4.5	6.4	6.8	5.1	6.1
2	8.0	5.8	6.9	11.3	6.8	8.9	8.3	6.1	7.6	6.8	5.5	5.9
3	7.6	6.1	7.0	9.2	3.7	7.4	7.5	6.5	6.9	7.6	4.9	6.4
4	7.7	5.2	6.7	7.3	2.3	5.1	7.0	6.3	6.6	8.1	4.3	6.0
5	7.2	5.5	6.4	5.5	1.4	4.3	7.1	5.7	6.4	10.0	4.1	6.9
6	7.5	5.4	6.1	5.8	3.0	4.5	7.9	3.7	5.9	8.7	7.0	7.9
7	6.5	5.2	5.9	7.9	4.1	5.4	6.5	3.6	5.2	8.9	5.9	7.2
8	6.9	5.0	6.2	6.1	4.1	5.1	7.2	4.3	6.3	8.8	5.6	7.1
9	---	---	---	6.2	3.0	4.7	7.4	6.3	6.8	7.0	4.7	6.1
10	---	---	---	5.8	3.9	4.6	7.7	6.1	6.9	6.9	5.5	6.3
11	---	---	---	6.1	4.1	5.2	7.9	6.0	6.8	8.2	5.7	6.9
12	7.9	3.0	5.3	7.0	4.4	5.9	7.6	6.1	7.0	8.1	6.5	7.2
13	8.4	4.5	5.9	7.7	5.9	6.7	8.2	6.1	7.1	8.6	6.5	7.4
14	7.2	5.4	6.0	6.9	5.9	6.4	7.5	5.9	6.9	7.8	6.4	7.3
15	7.5	5.4	6.4	8.3	5.2	6.4	7.1	5.1	6.2	7.9	5.4	6.6
16	7.9	5.1	6.9	7.4	5.0	6.4	7.4	4.5	6.0	6.8	5.2	6.1
17	7.7	3.6	6.6	7.5	4.0	6.0	7.2	3.4	5.3	10.7	5.0	6.7
18	7.5	6.3	7.0	6.7	3.1	5.3	7.4	2.9	5.3	9.0	6.6	7.5
19	8.1	6.3	7.0	5.2	3.1	4.1	---	---	---	9.3	6.1	7.2
20	7.6	6.6	7.1	6.1	3.1	4.7	---	---	---	8.5	6.7	7.5
21	9.1	7.1	7.6	7.9	2.8	6.0	7.3	3.6	6.1	8.4	6.8	7.7
22	8.9	5.8	7.4	6.7	2.3	5.8	6.8	4.8	6.0	8.4	7.3	7.6
23	9.9	5.2	7.0	5.8	2.2	4.4	8.3	3.0	5.8	7.6	6.7	7.2
24	8.2	4.2	6.1	5.6	3.8	4.8	8.7	3.5	5.4	6.7	4.6	5.7
25	7.1	3.2	5.7	5.1	0.8	4.3	8.1	3.7	5.7	7.3	4.0	5.4
26	6.6	2.9	4.7	5.6	0.2	2.4	6.8	4.8	5.8	6.5	5.2	5.8
27	6.4	3.5	4.6	5.3	1.0	3.2	6.9	4.2	5.3	6.9	5.3	6.1
28	7.3	4.5	6.2	4.5	0.5	3.3	6.2	4.7	5.3	6.4	4.9	5.7
29	11.9	6.7	8.0	4.1	0.2	2.2	6.7	5.0	5.7	6.7	5.1	5.7
30	10.0	7.7	9.1	7.2	0.2	3.2	6.4	5.0	5.8	7.3	5.1	6.0
31	---	---	---	7.1	0.5	4.5	6.8	5.3	6.0	---	---	---
MONTH	---	---	---	11.7	0.2	5.2	---	---	---	10.7	4.0	6.6

OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.5	5.0	5.9	8.3	5.5	6.4	6.1	3.7	4.7	11.6	8.8	10.8
2	6.6	4.0	5.8	7.9	5.6	6.7	5.5	4.8	5.2	11.6	8.1	9.8
3	5.6	0.9	3.0	8.5	4.1	6.0	6.4	4.8	5.8	11.0	10.4	10.7
4	4.2	0.1	2.0	10.4	3.3	6.0	6.9	5.8	6.3	11.8	10.7	11.3
5	4.1	1.1	2.6	9.8	3.7	6.6	7.4	5.5	6.4	11.6	10.5	11.2
6	6.7	0.3	2.3	8.6	7.9	8.3	6.6	5.0	5.9	12.2	10.7	11.5
7	7.7	5.5	6.7	8.3	7.0	7.8	6.2	3.2	4.3	12.3	11.3	11.8
8	8.4	7.1	7.7	7.9	6.8	7.2	6.7	4.5	5.7	12.6	11.3	11.9
9	8.4	6.9	7.7	8.4	6.6	7.4	7.9	3.8	6.5	12.7	11.6	12.3
10	7.7	6.3	7.1	8.7	6.4	7.6	7.7	4.1	6.4	12.6	11.6	12.1
11	7.3	4.6	5.9	8.7	5.7	7.8	7.1	3.7	5.3	12.5	10.5	11.9
12	7.0	4.1	4.9	8.9	7.4	8.4	8.2	4.7	6.5	12.0	10.7	11.3
13	7.1	3.8	5.1	9.2	8.4	9.0	7.7	5.3	6.7	12.4	10.1	11.0
14	7.1	3.4	4.9	9.4	8.6	9.0	8.2	5.7	6.9	12.6	9.5	11.2
15	7.4	4.6	6.5	9.7	8.4	9.3	9.1	5.7	8.1	13.2	9.1	10.2
16	7.0	3.7	5.6	9.6	8.8	9.2	9.6	8.6	9.1	10.6	9.1	9.4
17	6.6	5.6	6.2	9.3	8.7	9.0	9.8	8.7	9.3	10.7	8.7	9.6
18	7.6	6.3	7.0	9.1	8.0	8.8	9.5	8.2	9.0	9.4	8.5	8.9
19	7.3	6.4	7.0	8.9	8.4	8.6	9.5	7.7	8.3	10.2	8.8	9.3
20	7.3	5.9	6.6	9.5	8.2	8.7	9.9	8.3	9.1	11.7	8.3	9.5
21	6.8	4.2	5.7	9.0	8.2	8.8	10.3	8.9	9.5	11.1	8.1	8.8
22	6.3	3.2	4.2	8.5	7.5	7.9	10.8	9.1	10.0	10.7	7.6	8.0
23	5.1	3.0	3.6	8.5	7.2	7.7	9.8	7.7	8.6	9.0	6.6	7.5
24	4.2	2.4	3.1	8.9	7.4	8.0	11.0	7.9	9.6	12.8	6.2	8.5
25	4.7	1.9	3.5	8.6	7.9	8.2	11.1	9.8	10.6	12.6	7.4	10.6
26	6.6	3.6	5.7	8.1	7.4	7.8	10.5	9.0	9.8	12.0	6.6	9.0
27	7.2	5.9	6.5	7.7	4.6	6.0	10.8	9.2	9.9	8.5	6.3	7.2
28	7.6	5.5	6.9	6.3	4.1	5.2	10.6	9.8	10.2	9.6	5.9	7.3
29	7.5	5.2	6.5	7.2	4.4	5.4	10.5	9.9	10.2	11.8	4.4	7.5
30	5.9	5.4	5.7	6.9	3.2	5.1	10.6	9.9	10.3	11.8	3.8	6.8
31	8.9	5.1	6.5	---	---	---	10.5	8.4	9.7	9.7	5.1	7.0
MONTH	8.9	0.1	5.4	10.4	3.2	7.6	11.1	3.2	7.9	13.2	3.8	9.8

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.7	4.9	7.1	10.2	8.4	8.9	9.5	1.1	5.2	7.2	3.2	5.4
2	10.5	6.9	9.1	12.8	9.0	11.5	2.5	1.0	1.7	6.1	1.2	3.6
3	9.7	8.1	8.5	11.7	9.3	10.4	6.3	0.4	1.1	7.3	1.3	3.9
4	9.5	7.6	8.4	12.0	9.8	10.8	8.8	1.2	6.4	7.1	6.2	6.7
5	11.0	8.9	9.6	13.7	10.1	11.1	9.7	0.8	6.4	6.9	6.2	6.5
6	10.2	7.7	8.5	12.9	8.2	10.3	7.2	0.7	2.8	7.0	5.8	6.5
7	---	---	---	11.3	9.2	10.2	8.6	1.1	4.1	5.9	3.6	4.5
8	11.4	6.4	9.0	11.3	6.6	8.6	6.9	0.8	2.6	6.2	2.9	3.7
9	8.8	6.4	7.7	9.4	4.6	6.6	7.0	1.1	4.2	---	---	---
10	12.0	4.7	7.2	12.2	3.5	6.8	7.5	0.7	3.6	7.7	2.0	3.3
11	11.0	4.3	8.7	10.4	8.6	9.6	7.7	0.7	2.2	8.0	1.9	5.8
12	10.3	8.7	9.5	10.0	3.3	6.1	6.6	0.8	1.3	7.3	1.4	4.9
13	9.7	6.6	8.0	7.8	3.4	5.6	2.2	0.8	1.0	5.9	1.7	3.9
14	12.3	7.5	10.7	4.7	3.1	4.2	2.0	0.8	1.0	7.4	5.0	6.3
15	12.0	5.4	9.0	3.1	1.5	2.3	1.0	0.9	0.9	7.8	5.2	6.5
16	8.4	6.0	7.2	3.4	1.6	2.4	1.1	0.9	1.0	---	---	---
17	9.9	5.7	8.7	10.2	1.7	5.0	2.5	1.0	1.7	---	---	---
18	10.6	8.7	9.7	3.7	1.9	3.2	1.8	1.2	1.4	7.9	6.2	7.0
19	11.9	7.4	9.2	4.6	2.3	3.0	3.3	1.1	1.4	7.5	6.4	6.9
20	10.9	6.5	8.1	7.8	1.0	2.8	3.3	1.5	2.2	8.6	6.8	7.6
21	9.4	6.6	7.8	9.4	0.5	7.4	2.1	1.1	1.3	9.0	6.5	8.0
22	7.8	6.6	7.3	10.0	0.2	7.4	1.5	1.2	1.3	8.5	6.7	7.9
23	7.4	6.7	7.1	9.7	0.2	6.3	4.5	1.2	1.5	7.8	6.8	7.2
24	11.6	6.0	8.9	4.3	0.2	2.1	5.7	1.2	3.5	7.6	5.9	6.6
25	12.0	7.7	9.6	5.7	0.2	1.4	5.7	0.2	2.8	7.9	4.1	5.5
26	14.1	9.0	11.2	10.0	0.5	3.0	8.8	3.0	7.3	6.2	3.7	4.6
27	12.8	9.0	11.5	10.1	2.3	6.6	8.4	4.4	7.5	8.3	2.4	5.4
28	10.8	9.0	9.8	10.3	0.8	4.8	8.1	3.3	6.3	7.3	3.9	6.2
29	---	---	---	8.9	1.3	4.8	8.9	7.2	8.0	7.4	4.1	6.3
30	---	---	---	8.4	1.8	5.0	9.0	5.8	7.7	7.2	4.3	6.2
31	---	---	---	8.9	2.9	6.3	---	---	---	7.2	4.2	6.2
MONTH	---	---	---	13.7	0.2	6.3	9.7	0.2	3.3	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.9	2.4	4.9	7.1	1.5	4.1	0.7	0.1	0.2	5.4	3.2	4.4
2	6.1	1.4	3.2	7.0	0.5	3.1	6.1	0.2	1.8	5.4	3.8	4.8
3	6.8	1.4	4.7	7.0	0.0	2.1	6.5	5.6	6.1	5.0	3.6	4.1
4	6.8	2.5	5.2	6.2	0.1	2.5	6.3	5.6	6.0	5.9	3.1	3.9
5	6.0	1.9	4.3	3.8	0.0	0.5	6.9	5.3	6.1	7.9	2.7	4.8
6	5.6	0.2	3.5	6.1	0.9	4.5	7.3	5.8	6.3	7.3	5.3	6.5
7	5.4	2.3	4.5	7.1	3.9	5.2	7.1	5.6	6.3	6.1	4.5	5.3
8	6.0	4.3	5.2	6.2	2.8	4.9	7.0	5.7	6.4	7.3	3.8	5.1
9	6.3	4.0	5.2	5.3	0.4	2.5	7.1	5.5	6.2	6.6	3.0	5.2
10	4.9	2.6	3.8	5.3	3.3	4.5	7.4	4.7	6.1	6.2	5.6	5.9
11	4.5	0.1	2.7	6.0	4.1	5.1	6.7	4.5	5.7	7.3	4.7	5.6
12	4.9	0.1	1.6	6.1	5.1	5.6	6.7	3.4	4.8	7.5	6.1	6.8
13	5.5	0.2	1.9	6.8	4.7	5.8	7.5	4.9	5.7	8.4	6.1	7.1
14	6.6	0.1	2.4	7.0	4.6	5.8	5.9	2.9	4.3	7.7	6.4	7.1
15	6.8	0.4	3.4	6.4	3.5	5.2	4.8	2.1	3.5	6.4	4.3	5.3
16	6.4	0.3	1.3	5.7	4.3	4.9	4.2	1.1	2.9	6.4	4.3	5.1
17	6.8	0.1	1.6	4.7	3.3	3.9	1.6	0.6	1.0	8.0	3.9	5.6
18	6.4	0.2	3.2	4.3	1.2	2.7	2.9	0.7	1.0	6.7	3.6	5.7
19	7.8	1.3	5.2	3.9	0.8	2.1	---	---	---	8.6	5.7	6.8
20	7.7	6.3	7.1	4.7	0.3	1.5	---	---	---	7.6	5.5	6.5
21	9.0	6.3	7.3	7.2	0.3	1.6	6.8	0.0	2.6	7.5	4.8	6.4
22	7.4	4.7	5.8	1.6	0.1	0.6	5.6	0.6	3.1	8.0	5.3	6.9
23	6.1	3.8	4.8	2.8	0.1	1.0	5.6	0.3	2.4	7.3	5.6	6.6
24	4.5	1.8	3.1	2.3	0.0	0.7	4.8	0.0	1.5	6.0	4.4	5.0
25	4.2	1.7	2.6	1.3	0.0	0.2	4.0	0.0	1.7	6.6	2.9	4.4
26	3.7	0.9	1.7	0.8	0.0	0.1	5.0	2.8	4.0	5.6	4.8	5.3
27	5.0	0.7	2.1	1.0	0.0	0.1	3.6	0.9	2.0	6.7	3.2	5.2
28	6.2	0.8	2.9	0.3	0.0	0.0	5.3	1.1	4.5	6.3	4.0	5.2
29	6.1	1.6	3.4	0.7	0.0	0.1	5.1	2.2	4.2	6.5	5.2	5.7
30	7.6	3.1	5.6	2.4	0.0	0.3	5.6	2.2	4.6	6.9	4.5	5.8
31	---	---	---	0.7	0.0	0.1	6.2	4.0	5.0	---	---	---
MONTH	9.0	0.1	3.8	7.2	0.0	2.6	---	---	---	8.6	2.7	5.6

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (% OF SATURATION), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	77	64	68	109	95	102	82	70	75	103	94	98
2	82	66	74	111	100	106	78	71	75	100	90	95
3	98	73	83	120	103	111	83	70	74	99	90	93
4	93	49	80	117	109	113	96	72	80	---	---	---
5	89	80	85	112	92	103	102	80	90	---	---	---
6	80	63	72	93	84	89	95	82	87	---	---	---
7	80	58	70	95	84	90	92	76	83	---	---	---
8	89	74	80	97	86	91	93	80	87	---	---	---
9	90	79	85	93	79	88	90	79	85	---	---	---
10	103	82	91	96	85	90	87	78	81	---	---	---
11	104	85	97	94	85	89	86	79	82	---	---	---
12	103	93	98	89	83	86	90	78	82	---	---	---
13	102	91	95	89	83	86	96	73	84	---	---	---
14	93	56	79	95	86	90	103	84	92	---	---	---
15	83	41	74	94	89	91	100	83	90	---	---	---
16	85	73	80	97	89	93	100	83	92	124	104	114
17	82	70	76	96	88	92	108	84	93	130	114	122
18	83	76	79	94	85	90	94	80	89	130	120	125
19	84	74	78	100	87	93	101	79	90	124	104	115
20	86	72	80	100	90	94	104	85	93	113	94	105
21	98	77	85	95	88	92	121	87	94	116	103	109
22	100	80	91	102	88	94	114	84	101	132	107	118
23	101	78	93	99	84	94	139	96	108	132	115	124
24	110	75	89	101	86	93	118	94	103	116	104	112
25	78	47	62	91	88	90	109	96	99	114	105	110
26	84	67	76	96	85	91	103	93	98	142	109	123
27	84	70	78	98	84	90	105	94	98	157	120	133
28	87	75	82	91	74	84	115	90	99	175	109	148
29	89	79	83	97	73	80	114	92	99	174	109	138
30	96	82	90	80	70	74	98	91	94	146	114	124
31	105	88	96	---	---	---	101	89	95	149	103	115
MONTH	110	41	82	120	70	92	139	70	90	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	111	82	97	126	104	117	128	78	103	74	47	63
2	103	90	96	115	101	108	135	93	114	96	50	77
3	97	75	90	114	93	100	103	73	93	104	80	90
4	---	---	---	111	93	101	97	58	81	86	74	80
5	---	---	---	137	95	114	108	80	91	83	71	75
6	---	---	---	150	114	125	97	79	86	101	77	88
7	---	---	---	149	114	125	112	73	88	96	79	89
8	---	---	---	161	100	131	102	82	91	139	76	103
9	---	---	---	125	91	106	102	81	91	---	---	---
10	---	---	---	132	97	112	102	81	90	---	---	---
11	---	---	---	116	101	109	97	83	88	---	---	---
12	---	---	---	133	108	117	94	79	86	---	---	---
13	---	---	---	144	99	114	99	85	92	---	---	---
14	---	---	---	159	91	116	103	82	90	---	---	---
15	---	---	---	150	109	128	84	38	71	---	---	---
16	---	---	---	130	78	106	95	29	63	---	---	---
17	---	---	---	119	94	105	105	27	70	---	---	---
18	---	---	---	107	85	94	111	55	75	94	75	84
19	---	---	---	132	73	100	115	40	68	86	72	79
20	---	---	---	101	88	94	108	33	64	95	70	81
21	---	---	---	101	84	91	103	59	79	100	80	89
22	147	117	133	106	71	86	93	73	83	95	81	87
23	137	109	119	153	80	106	97	71	82	103	77	90
24	112	99	105	161	89	118	95	72	83	110	83	94
25	131	99	114	146	95	119	90	72	82	113	76	96
26	131	105	119	133	99	118	93	70	81	114	90	99
27	121	96	110	103	84	94	89	70	80	113	91	102
28	129	89	106	130	84	102	82	60	73	104	82	91
29	---	---	---	137	100	114	86	59	74	91	76	82
30	---	---	---	107	72	92	82	53	70	91	67	78
31	---	---	---	117	76	93	---	---	---	105	72	83
MONTH	---	---	---	161	71	108	135	27	83	---	---	---

NEUSE RIVER BASIN

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (% OF SATURATION), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	76	90	156	104	117	130	60	86	85	64	76
2	102	70	85	149	89	116	112	82	102	84	69	73
3	97	77	88	119	48	97	101	86	92	94	61	79
4	100	66	85	98	29	65	93	82	87	102	54	75
5	91	69	81	71	17	55	94	74	85	129	51	88
6	97	67	76	75	38	58	105	48	78	111	89	100
7	81	66	74	103	52	70	84	46	66	114	73	91
8	85	61	75	80	53	67	91	54	79	111	70	89
9	---	---	---	82	39	62	92	78	84	86	59	75
10	---	---	---	76	51	59	96	76	86	84	68	78
11	---	---	---	77	52	66	99	74	85	102	70	85
12	98	36	65	87	56	73	97	76	87	102	80	89
13	108	55	74	96	73	83	106	76	90	107	79	91
14	91	67	75	87	73	80	96	74	87	96	79	90
15	95	67	80	105	65	80	91	64	79	99	66	81
16	103	64	87	95	64	82	95	57	76	85	65	75
17	98	45	83	96	51	77	93	44	68	136	62	84
18	94	79	88	86	40	68	97	37	68	114	83	95
19	101	78	87	67	39	52	---	---	---	118	76	90
20	94	82	87	79	40	61	---	---	---	109	83	94
21	111	86	93	104	36	78	95	46	79	108	84	97
22	110	70	90	88	30	76	89	62	77	107	91	97
23	125	64	87	76	29	57	110	39	75	96	84	90
24	103	51	76	73	49	62	116	45	71	84	57	71
25	89	39	71	66	10	56	107	47	75	89	50	66
26	82	36	59	72	2	32	89	62	76	79	63	70
27	81	43	58	71	12	41	91	54	69	85	64	75
28	92	55	78	58	6	43	81	61	68	80	61	70
29	154	84	102	53	3	29	87	64	73	83	63	70
30	129	97	117	96	3	42	81	64	73	90	62	74
31	---	---	---	96	6	60	85	67	76	---	---	---
MONTH	---	---	---	156	2	67	---	---	---	136	50	83

OXYGEN DISSOLVED (% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	73	56	65	83	56	65	62	38	48	99	75	91
2	72	44	63	80	57	68	56	48	53	97	70	83
3	62	11	33	86	42	61	66	48	59	89	86	87
4	47	1	22	108	34	62	70	58	64	93	86	89
5	45	12	29	101	38	68	75	56	65	92	83	88
6	76	3	26	86	80	83	67	50	60	97	85	92
7	85	62	74	82	70	78	64	33	43	99	91	95
8	91	78	83	78	68	72	68	46	58	100	91	95
9	89	74	82	84	66	74	82	39	67	102	93	98
10	82	67	76	86	64	76	78	42	64	100	94	97
11	79	49	64	87	57	78	71	38	54	103	85	97
12	76	45	53	87	73	82	83	48	66	99	88	93
13	78	42	56	89	82	87	78	54	67	103	83	91
14	80	38	55	91	84	87	83	58	70	105	79	93
15	84	51	73	94	82	91	93	58	82	110	75	85
16	78	41	63	94	86	91	97	87	91	88	75	78
17	73	61	67	92	87	89	98	87	92	89	73	80
18	82	68	75	90	79	86	95	82	90	78	71	74
19	77	68	74	88	83	85	94	76	82	87	75	78
20	77	62	70	95	82	86	97	81	89	100	70	81
21	73	46	60	88	81	86	97	84	90	95	69	75
22	68	34	45	84	74	79	98	83	92	92	65	68
23	55	32	39	83	71	76	91	72	79	77	57	64
24	45	26	33	88	73	79	103	74	89	115	53	74
25	51	21	38	85	79	82	101	89	97	114	65	95
26	72	39	62	81	74	78	95	82	89	108	59	81
27	74	62	68	77	46	60	96	83	88	75	56	64
28	77	56	69	63	41	52	92	85	89	85	52	65
29	73	52	64	72	45	55	91	86	89	104	39	67
30	61	55	58	72	32	52	90	84	88	104	34	60
31	90	52	66	---	---	---	89	73	83	86	45	62
MONTH	91	1	58	108	32	76	103	33	75	115	34	82

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11--Continued

OXYGEN DISSOLVED (% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	101	44	65	88	74	78	102	11	55	81	36	61
2	101	65	87	112	79	100	26	11	17	69	13	40
3	92	75	79	108	85	95	69	4	11	85	15	44
4	87	70	77	110	90	99	94	12	68	82	70	76
5	95	78	83	121	89	98	101	8	67	77	69	72
6	88	68	74	116	73	91	75	7	29	77	64	72
7	---	---	---	101	82	91	85	11	41	65	40	51
8	97	56	77	101	59	77	71	9	26	70	32	42
9	77	56	68	88	41	60	74	11	44	---	---	---
10	106	42	64	120	32	65	80	8	38	91	22	38
11	99	38	78	101	83	92	82	7	23	97	21	69
12	92	78	85	95	31	58	70	8	13	87	17	58
13	85	59	71	75	32	53	23	9	11	70	19	46
14	110	67	95	44	30	40	22	9	10	87	59	74
15	106	49	80	30	14	22	10	9	10	91	60	76
16	75	54	65	33	15	23	11	10	10	---	---	---
17	88	51	77	105	17	50	26	11	18	---	---	---
18	92	77	84	35	18	31	18	13	15	92	73	82
19	105	66	82	46	22	29	35	11	15	84	73	79
20	98	58	72	78	10	28	35	16	23	96	75	84
21	84	59	71	95	5	75	22	12	13	100	72	87
22	70	60	66	99	2	73	16	13	14	93	72	86
23	66	60	64	94	2	61	50	13	16	85	73	78
24	105	54	80	43	2	21	63	13	39	83	65	73
25	108	70	87	56	2	14	63	2	31	88	45	60
26	130	82	102	101	5	30	98	33	81	69	41	51
27	118	83	105	103	23	67	94	49	82	98	27	62
28	95	80	87	103	8	48	91	36	70	87	45	72
29	---	---	---	88	12	48	101	82	90	88	49	76
30	---	---	---	86	19	51	101	65	87	88	51	74
31	---	---	---	95	30	65	---	---	---	88	51	74
MONTH	---	---	---	121	2	59	102	2	36	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	85	29	60	92	19	52	10	1	3	68	40	55
2	76	17	38	91	6	39	82	3	24	67	47	60
3	87	17	59	91	1	27	87	74	82	62	44	51
4	86	32	66	79	1	32	84	74	79	73	39	49
5	74	23	54	49	0	7	92	69	80	102	34	60
6	70	2	44	79	11	58	96	75	82	93	66	82
7	67	28	56	92	50	67	91	72	81	76	57	66
8	73	53	64	80	36	63	88	72	81	92	48	63
9	75	47	63	69	6	32	89	69	78	81	38	64
10	59	31	45	68	42	58	92	59	76	76	69	72
11	54	2	32	77	52	65	82	57	71	90	58	69
12	61	1	20	76	64	70	84	43	60	93	75	84
13	70	3	23	85	58	72	95	61	71	104	74	87
14	84	1	30	89	58	73	74	37	54	94	79	87
15	85	5	42	80	43	64	62	27	44	79	53	65
16	80	4	17	72	55	61	53	14	36	80	53	64
17	87	1	20	59	42	50	21	8	13	100	48	70
18	81	3	41	55	16	34	37	8	13	83	44	71
19	96	16	65	51	10	26	---	---	---	109	70	85
20	95	78	87	60	4	19	---	---	---	95	68	81
21	110	76	89	95	4	20	89	1	33	96	60	80
22	91	57	70	20	1	8	72	8	40	102	67	88
23	75	46	59	37	1	12	71	3	31	92	71	83
24	55	22	38	31	1	9	63	1	19	75	55	62
25	51	21	32	17	0	2	53	0	22	80	36	54
26	46	11	20	10	0	1	66	37	52	68	59	65
27	63	8	26	13	0	1	48	12	25	83	39	63
28	79	10	36	4	0	0	69	15	57	79	49	65
29	76	20	42	8	0	1	65	28	54	80	64	70
30	98	38	70	31	0	4	71	29	58	85	55	71
31	---	---	---	9	1	2	77	50	63	---	---	---
MONTH	110	1	47	95	0	33	---	---	---	109	34	70