

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9

LOCATION.--Lat. 34°56'55", long. 76°48'35", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 9.

PERIOD OF RECORD.--May 1989 to July 1993, 1996 to current year.

PERIOD OF DAILY RECORD.--

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

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

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

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

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

DISSOLVED OXYGEN (MID): May 1989 to July 1993.

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

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

INSTRUMENTATION.-- Water-quality monitor from May 1989 to July 1993. Constituents monitored were: specific conductance top and bottom, water temperature top and bottom, dissolved oxygen top, mid-depth and bottom. Water-quality monitor with satellite telemetry from June 1996 to current water 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 August 29, 1999 to prevent possible destruction of the equipment during Hurricanes Dennis and Floyd. It was reinstalled on October 5, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 26, 2003. Prior to June 1996, top constituents were monitored at 8 ft above streambed, mid constituents at 6 ft above streambed and bottom constituents, 2 ft above streambed. Beginning in June 1996, top constituents were monitored at 8 ft above streambed and bottom constituents, 2 ft above streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760mm 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	23.6, August 28, 2002	<0.1, on many days during the period
SALINITY(BOTTOM), ppt	27.8, August 18, 2002	<0.1, on many days during the period
pH(TOP), standard units	10.4, April 19, 1999	4.3, June 13, 1997
pH(BOTTOM), standard units	9.3, March 12, 13, 14, 16-20, 1999	5.7, April 21, 2004
WATER TEMPERATURE (TOP), °C	32.3, August 6, 1989, July 30, 2002	0.2, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	31.4, July 29, 1999	0.8, January 25, 2003
DISSOLVED OXYGEN (TOP), mg/L	20.7, April 10, 1991	< 1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	16.8, April 26, 1991	< 1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.4, May 23	0.7, November 7
SALINITY (BOTTOM), ppt	23.0, July 19	1.0, February 28
pH (TOP), standard units	9.4, November 2	6.5, May 1
pH (BOTTOM), standard units	9.1, February 25, September 24	5.7, April 21
WATER TEMPERATURE (TOP), °C	31.8, July 6, 9	3.0, February 2
WATER TEMPERATURE (BOTTOM), °C	30.0, July 22	2.8, February 2
DISSOLVED OXYGEN (TOP), mg/L	14.6, November 1	<1.0, May 23
DISSOLVED OXYGEN (BOTTOM), mg/L	14.9, February 20	< 1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	156, November 1	10, May 23
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	131, March 3	< 10, on many days during the year

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.1	3.7	4.2	3.8	2.9	3.2	3.9	3.3	3.6	3.9	2.4	2.8
2	4.7	4.1	4.4	3.4	2.1	2.7	4.3	3.5	3.8	3.4	2.2	2.5
3	5.1	3.7	4.3	2.9	1.4	2.0	4.1	3.7	3.9	3.8	2.2	2.5
4	---	---	---	2.9	1.1	1.7	6.0	3.8	4.2	7.1	2.5	3.3
5	---	---	---	3.4	1.1	1.7	5.7	4.0	4.3	10.5	4.0	8.6
6	---	---	---	3.4	0.9	1.5	4.7	3.8	4.4	10.4	6.2	7.9
7	5.1	3.2	3.9	3.8	0.7	1.6	5.5	3.8	4.7	8.0	6.5	7.1
8	5.7	4.1	5.0	4.7	1.3	3.5	5.5	4.1	4.4	7.4	6.7	7.0
9	5.4	5.0	5.2	6.5	2.9	4.4	5.0	3.8	4.3	7.5	6.8	7.2
10	5.6	5.0	5.3	3.2	1.6	2.4	6.0	4.5	5.2	7.5	6.5	7.1
11	5.6	3.1	4.5	2.2	1.3	1.7	5.8	4.6	4.9	7.1	4.8	6.3
12	4.4	2.6	3.1	3.3	1.2	2.1	5.0	4.3	4.6	6.8	4.8	6.2
13	6.2	2.4	3.9	3.8	2.7	3.1	5.5	4.2	4.6	7.0	6.6	6.8
14	5.6	4.1	4.9	---	---	---	5.7	2.9	4.2	7.1	6.7	6.9
15	4.9	4.2	4.5	4.0	2.9	3.3	4.8	2.8	3.5	7.4	7.0	7.2
16	5.0	4.0	4.5	---	---	---	3.8	2.5	3.1	7.3	6.7	7.0
17	4.8	3.0	3.7	---	---	---	3.7	2.5	2.9	6.9	6.4	6.6
18	4.0	3.3	3.6	---	---	---	5.1	1.3	2.7	7.3	6.5	6.9
19	4.2	3.5	3.7	6.8	3.4	4.9	3.8	1.3	2.0	7.3	6.8	7.0
20	---	---	---	5.4	3.9	4.6	3.8	2.0	2.5	7.0	6.5	6.7
21	---	---	---	5.2	3.6	4.0	2.7	2.0	2.2	6.6	5.4	6.1
22	4.9	4.1	4.6	5.1	2.9	3.5	3.0	1.9	2.1	5.7	4.8	5.2
23	5.0	4.3	4.6	4.9	2.8	3.2	3.4	1.9	2.2	6.4	4.8	5.4
24	5.7	4.4	4.8	7.0	2.5	3.8	3.5	1.8	2.1	6.4	5.4	6.0
25	5.6	4.7	5.0	5.9	3.0	4.5	3.6	1.6	2.0	6.7	5.9	6.2
26	5.7	4.2	4.8	5.5	3.8	4.5	3.6	2.0	2.6	6.3	5.7	6.0
27	5.8	4.3	4.9	5.1	3.8	4.1	3.6	1.9	2.3	5.9	5.1	5.6
28	6.3	4.3	4.8	6.6	3.6	4.6	3.4	1.6	1.9	5.9	4.6	5.4
29	5.2	4.2	4.7	6.0	4.2	4.5	3.0	1.5	2.2	6.1	4.7	5.5
30	5.4	4.1	4.5	4.9	3.2	3.9	4.0	1.5	2.7	5.0	3.9	4.6
31	4.1	3.7	4.0	---	---	---	3.8	2.6	2.9	5.3	4.7	4.9
MONTH	---	---	---	---	---	---	6.0	1.3	3.3	10.5	2.2	6.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.4	4.9	5.2	1.8	0.9	1.1	4.4	3.6	4.0	8.6	5.2	6.7
2	6.1	5.2	5.4	4.8	0.9	2.4	4.4	3.8	4.1	6.5	4.4	5.5
3	5.6	5.1	5.2	5.0	2.1	3.7	4.4	4.0	4.2	7.7	4.9	5.9
4	5.5	5.1	5.2	4.5	2.1	3.1	4.7	3.8	4.1	5.9	3.6	4.6
5	5.9	5.2	5.6	4.1	2.0	2.9	5.6	3.6	4.3	4.7	3.2	3.7
6	5.7	5.2	5.4	8.7	2.4	5.2	5.4	3.7	4.2	5.1	3.6	4.3
7	5.7	5.1	5.4	6.6	3.5	5.6	5.7	4.1	4.6	6.3	3.5	4.2
8	5.6	4.3	5.0	6.4	5.4	5.9	5.7	4.6	4.9	6.4	3.1	4.7
9	5.9	4.4	4.9	6.5	5.0	5.6	5.9	4.9	5.3	6.4	4.3	4.8
10	4.8	4.2	4.4	6.5	3.7	5.6	6.2	4.9	5.7	4.6	3.2	3.8
11	4.3	3.8	4.0	3.7	1.9	2.4	6.2	4.5	5.4	5.8	2.3	3.6
12	4.9	3.9	4.2	4.3	2.6	3.7	5.9	5.4	5.8	6.2	3.9	4.7
13	4.4	3.4	3.8	4.5	3.2	3.6	6.2	5.6	5.9	6.0	4.1	4.8
14	3.4	2.5	3.0	4.7	3.8	4.4	5.9	5.2	5.5	8.2	3.2	4.6
15	4.6	2.8	3.4	4.5	3.3	3.8	5.3	4.4	4.9	10.8	3.2	5.9
16	4.4	2.7	3.4	4.5	3.2	4.0	5.9	3.7	4.4	10	4.7	6.8
17	2.7	1.5	2.1	5.0	3.6	4.2	6.2	3.4	4.3	8.8	5.7	6.8
18	2.2	1.4	1.7	4.6	3.3	3.9	5.1	3.2	4.1	7.8	5.3	6.8
19	3.0	2.1	2.6	5.7	4.0	4.4	5.9	3.3	4.7	7.5	3.9	5.3
20	5.1	2.7	3.3	5.7	4.4	4.9	6.5	3.3	4.7	10.8	4.1	6.9
21	5.1	3.7	4.0	5.1	4.6	4.9	6.1	3.3	4.7	11.3	5.4	7.6
22	5.0	3.0	3.6	4.9	4.2	4.6	6.3	4.8	5.6	13.2	7.4	9.6
23	4.5	3.1	3.8	4.7	3.7	4.2	6.1	4.0	5.1	19.4	10.3	14.3
24	4.0	2.5	3.1	4.5	3.7	4.0	7.2	2.7	5.2	18.1	13.1	15.9
25	3.4	2.5	2.8	4.6	3.9	4.1	8.0	5.9	7.2	17.8	13.6	15.5
26	6.4	3.2	4.6	4.2	3.5	3.9	7.5	5.5	6.6	17.1	14.9	15.9
27	6.4	1.3	3.4	3.6	2.6	3.0	6.6	5.6	6.0	16.2	14.1	15.1
28	2.6	1.0	1.4	4.0	2.5	3.2	6.2	4.3	5.3	15.9	12.3	13.4
29	2.1	0.9	1.5	4.4	3.1	3.9	6.8	4.3	5.4	15.6	13.1	14.3
30	---	---	---	3.1	2.0	2.7	7.2	5.0	5.8	15.7	15.0	15.3
31	---	---	---	4.6	1.9	2.9	---	---	---	15.7	15.0	15.3
MONTH	6.4	0.9	3.8	8.7	0.9	3.9	8.0	2.7	5.1	19.4	2.3	8.3

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	14.1	14.8	13.4	9.0	11.0	17.7	17.3	17.6	6.2	3.7	4.5
2	15.3	13.9	14.5	13.1	9.5	10.8	17.7	16.9	17.4	8.0	5.2	6.3
3	15.2	13.9	14.5	13.8	10.5	11.2	17.9	15.3	17.3	6.3	5.5	5.7
4	16.6	14.5	15.4	15.3	10.2	11.8	17.0	14.7	15.7	5.7	4.3	4.7
5	15.7	14.4	15.3	14.1	10.0	12.0	16.1	13.8	15.0	6.3	4.2	5.2
6	15.9	14.4	15.3	11.5	8.7	10.0	15.7	14.7	15.3	6.4	3.4	4.7
7	15.6	14.7	15.1	11.8	8.0	9.2	15.1	13.0	14.2	5.6	4.0	4.7
8	15.2	14.3	14.8	15.3	9.5	11.7	14.9	12.1	13.1	5.9	4.3	5.1
9	15.4	12.4	13.7	13.7	11.1	11.9	15.7	12.2	13.7	5.8	3.0	4.1
10	14.2	12.4	13.1	15.0	11.8	12.5	15.5	13.1	14.2	4.5	2.9	3.5
11	13.3	12.1	12.6	14.5	11.9	13.2	14.9	12.6	13.5	4.7	3.2	3.8
12	14.3	12.6	13.5	14.3	12.4	13.4	15.3	13.0	13.8	4.4	2.9	3.3
13	14.9	13.7	14.4	14.3	12.3	12.9	15.6	12.9	13.9	3.8	2.4	3.0
14	14.9	13.7	14.3	14.3	12.4	13.2	14.6	12.7	13.6	4.3	2.4	2.9
15	14.7	13.5	14.0	14.5	12.8	13.7	14.5	12.0	13.5	3.0	2.4	2.6
16	14.5	12.8	13.7	14.7	13.8	14.2	13.6	10	11.3	3.0	2.3	2.5
17	14.1	12.5	13.3	16.2	13.7	14.4	12.2	9.2	10.7	4.8	2.1	3.2
18	14.5	12.4	13.6	17.2	14.1	15.6	12.9	9.0	10.7	4.9	2.4	3.1
19	13.5	11.3	12.4	16.8	14.1	15.1	9.9	6.4	7.8	5.0	2.9	4.1
20	14.7	11.5	13.4	16.8	15.1	16.0	12.9	6.4	7.6	6.1	3.7	4.6
21	14.7	12.6	14.1	16.5	16.0	16.3	11.1	5.8	7.9	4.1	2.5	3.3
22	13.8	12.6	13.2	16.1	14.5	15.6	10.5	5.1	6.4	3.4	1.8	2.3
23	12.9	10.3	11.3	18.6	14.2	15.4	9.0	5.7	7.1	3.9	1.1	1.5
24	11.8	10	10.8	16.2	15.3	15.8	10.6	7.0	8.7	4.1	1.2	2.4
25	13.2	10.0	11.0	16.3	14.5	15.3	11.5	8.4	9.8	4.6	2.6	3.4
26	15.1	10.4	12.3	16.0	13.8	14.4	10.6	5.8	7.4	5.5	3.3	4.4
27	13.1	12.0	12.6	17.8	14.2	15.5	8.0	6.0	6.9	4.8	2.8	3.6
28	14.1	12.2	13.0	17.7	15.8	16.5	8.0	5.3	6.3	4.1	2.4	3.3
29	14.2	12.6	13.5	18.6	16.3	17.1	9.5	4.2	6.7	4.0	2.7	3.1
30	14.2	11.8	12.6	17.9	17.1	17.5	8.0	4.1	5.8	5.9	3.3	4.6
31	---	---	---	17.7	17.3	17.7	6.0	3.8	4.6	---	---	---
MONTH	16.6	10.0	13.5	18.6	8.0	13.9	17.9	3.8	11.2	8.0	1.1	3.8

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.4	4.1	5.3	5.6	3.7	4.5	5.1	3.4	3.9	11.0	4.3	7.7
2	5.0	4.1	4.4	5.7	3.1	4.4	4.8	3.5	3.9	11.1	8.8	10.4
3	5.2	4.0	4.5	5.3	2.6	3.7	4.9	3.8	4.0	11.3	7.8	10.8
4	---	---	---	5.5	1.9	3.2	5.9	3.8	4.2	11.6	9.6	11.0
5	---	---	---	7.5	2.7	5.0	5.9	3.9	4.4	11.5	9.3	10.5
6	---	---	---	8.3	5.5	6.9	5.1	4.0	4.5	10.5	7.2	8.3
7	8.9	5.2	7.0	9.0	3.7	6.4	5.6	3.9	4.8	8.5	6.4	7.3
8	8.2	4.9	5.8	7.0	2.3	4.5	6.4	4.7	5.5	8.5	7.0	7.4
9	5.4	5.0	5.2	6.5	2.9	4.7	8.0	5.2	6.4	8.3	7.0	7.5
10	5.6	5.0	5.3	4.0	2.0	2.9	7.0	5.0	5.6	7.6	6.5	7.1
11	5.5	3.8	4.8	4.4	1.9	2.8	5.9	4.6	5.0	7.7	6.0	6.6
12	5.7	3.7	4.7	5.9	2.6	4.0	5.9	4.3	4.8	7.5	6.1	6.7
13	6.5	4.2	5.4	3.9	2.7	3.3	5.4	4.2	4.7	7.6	6.7	7.0
14	6.1	4.6	5.3	---	---	---	6.0	2.9	4.3	7.3	6.7	7.0
15	5.1	4.2	4.5	6.4	3.0	4.2	5.4	2.9	4.1	7.4	7.0	7.2
16	6.0	4.1	5.0	---	---	---	6.1	4.2	5.0	7.2	6.7	7.0
17	6.0	4.0	5.2	---	---	---	7.4	2.7	4.7	7.3	6.5	6.9
18	6.1	3.3	4.1	---	---	---	7.7	1.9	4.6	7.5	6.8	7.1
19	5.6	3.6	4.2	7.3	4.2	6.1	6.2	1.5	3.1	7.3	6.8	7.0
20	6.5	3.9	5.3	5.8	4.4	4.8	4.7	2.0	2.8	7.0	6.5	6.7
21	6.6	4.2	5.5	6.8	3.8	5.0	4.2	2.0	2.8	7.1	5.9	6.5
22	4.9	4.4	4.7	8.5	3.5	5.4	9.3	2.1	4.1	7.4	5.3	6.3
23	6.1	4.4	4.9	9.7	5.7	7.3	9.6	5.1	8.1	7.0	4.9	5.6
24	6.4	4.6	5.2	9.7	6.2	8.2	9.5	5.6	8.5	7.0	5.7	6.2
25	5.9	4.8	5.2	9.5	3.2	6.5	9.7	3.1	7.5	7.6	5.8	6.3
26	6.7	4.8	5.5	7.5	4.4	5.2	11.3	5.0	8.5	7.0	5.7	6.0
27	6.8	5.2	6.0	7.5	4.2	5.2	11.7	6.4	9.5	5.9	5.1	5.6
28	7.5	4.7	6.2	7.3	4.2	5.7	11.7	6.6	10	6.0	5.0	5.4
29	7.0	4.5	5.1	6.0	4.1	4.6	11.1	7.1	9.3	6.5	5.2	5.9
30	6.3	4.3	5.3	5.8	3.2	4.3	10.7	4.0	8.0	6.4	4.4	5.2
31	5.7	4.0	4.7	---	---	---	10.7	3.2	6.5	6.8	4.7	5.2
MONTH	---	---	---	---	---	---	11.7	1.5	5.6	11.6	4.3	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	5.0	5.3	7.0	3.8	5.3	5.1	3.5	4.0	8.9	7.0	8.2
2	6.2	5.1	5.5	8.1	4.7	6.3	4.3	3.7	4.1	8.6	5.2	6.6
3	6.1	5.1	5.3	7.5	3.5	5.4	7.2	4.0	4.6	9.1	5.0	6.5
4	6.0	5.1	5.4	6.8	3.0	5.0	6.2	3.8	4.6	7.8	4.3	5.8
5	6.0	5.2	5.6	8.3	4.4	6.5	6.2	3.6	4.6	9.2	4.9	6.6
6	6.1	5.2	5.5	8.8	4.6	6.8	6.7	4.0	5.5	8.3	4.3	6.0
7	5.6	5.0	5.3	6.7	5.5	6.2	8.3	4.4	5.7	9.7	5.2	7.5
8	6.4	4.8	5.3	6.4	5.6	5.8	8.1	4.8	6.1	10.9	5.0	7.9
9	6.0	4.7	5.5	6.7	5.1	5.8	8.0	5.0	5.9	8.3	5.0	6.5
10	5.7	4.3	4.9	6.4	4.0	5.6	7.3	5.6	6.1	8.8	3.9	5.8
11	6.2	4.0	4.8	6.5	2.3	4.3	6.5	5.2	5.9	12.0	5.9	9.2
12	6.1	4.1	4.8	6.5	4.3	5.0	5.9	5.3	5.7	12.4	6.9	9.7
13	5.7	3.6	4.2	7.0	3.5	5.2	6.4	5.5	5.9	13.5	9.0	11.4
14	6.5	3.4	5.1	6.2	4.1	4.8	5.7	5.1	5.5	14.2	9.3	12.9
15	6.2	3.0	4.6	6.9	4.1	5.1	6.1	4.4	5.0	14.7	11.0	13.6
16	4.4	2.8	3.5	7.5	4.0	6.4	6.8	4.3	5.5	15.3	12.2	14.1
17	2.9	1.5	2.3	7.0	3.7	4.8	7.3	5.0	6.0	15.5	9.7	12.9
18	3.1	1.4	2.1	7.0	3.4	5.1	7.6	5.0	6.2	15.2	11.0	13.2
19	3.9	2.1	3.0	6.2	4.0	4.7	8.8	4.8	6.5	15.9	12.4	14.7
20	6.2	2.9	4.1	6.0	4.7	5.2	7.4	5.0	6.0	17.6	11.1	15.7
21	5.0	3.7	4.2	5.3	4.6	4.9	10.1	5.5	7.2	18.2	14.4	16.6
22	5.3	3.1	4.1	4.9	4.2	4.6	10.7	5.7	7.6	18.8	13.7	17.6
23	4.7	3.1	4.0	5.3	4.2	4.6	11.4	6.4	8.5	19.4	14.9	17.5
24	4.1	2.6	3.3	4.9	4.1	4.5	11.6	4.9	7.7	18.6	15.7	17.2
25	4.0	2.5	2.9	5.0	4.2	4.5	8.5	6.7	7.7	19.5	15.7	16.9
26	6.4	3.3	4.6	5.6	4.0	4.8	8.6	6.6	7.2	18.5	15.1	16.7
27	6.4	1.3	3.7	7.2	3.9	5.9	7.1	5.6	6.2	17.0	14.4	15.5
28	4.8	1.0	2.6	7.8	3.1	5.0	8.0	5.6	6.3	17.3	12.6	14.4
29	5.3	2.6	4.0	6.4	3.2	4.1	8.2	6.4	7.4	16.7	13.4	14.9
30	---	---	---	6.4	2.5	3.7	8.5	6.1	7.5	16.4	15.0	15.5
31	---	---	---	6.5	3.5	5.4	---	---	---	16.2	15.0	15.5
MONTH	6.8	1.0	4.3	8.8	2.3	5.2	11.6	3.5	6.1	19.5	3.9	12.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.6	14.3	15.0	16.5	13.1	14.7	17.6	17.3	17.5	12.4	5.0	10.3
2	17.5	14.6	15.4	17.3	14.7	16.3	17.6	16.9	17.3	9.7	5.9	7.7
3	17.5	14.5	15.6	18.1	15.1	16.9	17.8	15.4	17.2	7.6	5.6	6.5
4	17.8	15.9	16.6	18.2	15.2	17.6	17.4	15.3	16.4	8.4	4.7	6.3
5	16.7	15.1	15.9	18.8	15.3	17.6	17.6	14.6	16.1	8.3	4.3	5.6
6	16.7	15.1	15.9	18.8	13.8	17.1	16.9	14.9	15.4	7.7	4.3	5.7
7	16.9	15.0	15.9	18.8	15.5	18.0	15.7	13.5	14.6	8.0	5.6	6.7
8	17.1	15.5	16.3	18.8	14.9	17.8	16.8	14.3	15.6	8.9	5.3	6.6
9	17.0	13.9	15.8	19.9	16.4	18.6	17.3	16.1	16.7	7.8	4.0	5.3
10	17.0	13.1	14.9	20.3	16.4	19.2	17.1	15.1	16.1	8.8	4.3	6.7
11	16.4	12.4	14.0	20.8	15.3	18.8	17.5	15.3	16.8	5.9	3.2	4.1
12	15.7	12.8	13.7	20.1	15.5	17.8	17.7	13.7	16.6	5.1	2.9	3.6
13	14.9	13.5	14.4	20.1	14.9	17.8	18.4	12.9	15.2	4.9	2.6	3.3
14	15.3	13.7	14.4	22.1	15.0	19.4	16.4	12.8	14.8	5.2	2.6	3.7
15	16.0	13.9	14.9	22.1	13.8	17.7	15.1	13.5	14.3	5.9	2.5	3.9
16	16.1	14.2	15.1	21.0	14.9	17.2	14.6	11.1	13.2	7.9	4.8	6.8
17	16.9	13.5	15.2	22.2	17.2	19.4	15.1	10.9	13.4	8.9	5.0	7.5
18	16.5	12.5	14.3	22.6	18.4	20.5	14.3	12.1	13.6	6.5	2.4	3.7
19	17.0	11.7	13.8	23.0	15.5	20.2	15.3	13.3	14.3	7.5	3.3	5.2
20	16.9	12.8	14.5	21.0	16.1	17.6	16.1	14.1	15.1	6.6	3.8	4.9
21	15.1	13.1	14.2	21.4	16.1	16.8	17.9	11.0	16.3	6.7	3.6	5.0
22	15.3	13.0	14.0	18.8	15.9	16.4	17.5	10.7	13.7	7.8	3.6	5.6
23	15.5	10.4	13.4	20.7	16.5	18.5	15.1	8.8	11.5	8.9	2.9	7.6
24	17.4	10.4	14.3	20.7	15.6	18.1	12.4	8.5	10.1	9.0	2.8	5.6
25	17.4	13.3	15.8	18.6	15.5	16.3	11.5	8.7	10	5.3	3.1	4.0
26	17.4	11.7	13.6	19.4	16.3	17.5	10.7	6.9	8.8	5.7	3.6	4.9
27	14.7	12.3	13.4	21.0	17.2	18.5	11.4	6.3	8.1	5.2	3.4	4.3
28	15.5	12.9	14.3	21.6	16.7	18.8	11.1	6.0	7.6	6.0	2.7	4.5
29	15.2	13.1	14.0	21.4	17.2	18.9	11.3	8.6	10.0	6.8	2.7	4.5
30	15.8	13.1	14.3	20.8	17.3	18.4	9.7	4.3	6.9	7.9	2.3	5.4
31	---	---	---	17.7	17.3	17.5	11.1	6.2	9.5	---	---	---
MONTH	17.8	10.4	14.8	23.0	13.1	17.9	18.4	4.3	13.6	12.4	2.3	5.5

NEUSE RIVER BASIN

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

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

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

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

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.4	7.1	7.5	8.8	7.6	8.0	8.3	7.6	7.9	8.5	7.2	7.4
2	8.3	7.4	8.0	8.5	7.6	7.9	8.1	7.7	7.9	7.3	7.1	7.2
3	8.3	7.5	7.9	8.6	7.6	8.0	8.1	7.8	7.9	7.3	7.1	7.2
4	---	---	---	8.7	7.0	7.9	8.0	7.8	7.9	7.2	7.1	7.2
5	---	---	---	7.9	6.9	7.1	7.9	7.7	7.8	7.9	7.2	7.5
6	---	---	---	7.2	6.9	7.0	7.8	7.7	7.7	7.9	7.4	7.7
7	7.3	6.9	7.0	7.4	6.9	7.0	7.8	7.6	7.7	7.8	7.5	7.6
8	7.7	6.9	7.2	7.6	6.9	7.4	7.8	7.6	7.7	8.1	7.6	7.8
9	7.6	7.3	7.4	7.6	7.3	7.5	8.2	7.5	7.7	8.1	7.8	7.9
10	7.5	7.2	7.3	7.6	7.4	7.5	8.1	7.6	7.9	8.2	7.8	7.9
11	7.4	7.2	7.3	7.5	7.3	7.4	7.8	7.6	7.8	8.2	7.8	7.9
12	7.5	7.2	7.3	7.6	7.2	7.4	7.9	7.7	7.8	8.4	7.9	8.2
13	7.5	7.2	7.3	7.6	7.4	7.5	8.1	7.7	7.8	8.6	8.0	8.3
14	7.7	7.3	7.4	---	---	---	7.8	7.6	7.7	8.6	8.2	8.4
15	7.8	7.4	7.6	8.1	7.5	7.6	7.8	7.6	7.7	8.5	8.4	8.4
16	8.1	7.5	7.7	---	---	---	7.8	7.4	7.7	8.6	8.4	8.5
17	8.2	7.2	7.5	---	---	---	7.9	7.6	7.7	8.6	8.3	8.4
18	8.1	7.1	7.7	---	---	---	7.8	7.5	7.7	8.7	8.2	8.4
19	8.4	7.2	7.8	7.5	7.2	7.3	7.6	7.4	7.6	8.7	8.3	8.5
20	8.1	7.0	7.4	7.5	7.3	7.4	7.7	7.4	7.5	8.7	8.4	8.6
21	8.1	7.1	7.4	7.8	7.2	7.4	7.6	7.4	7.5	8.8	8.4	8.6
22	8.4	7.5	7.9	8.0	7.2	7.5	7.5	7.3	7.5	8.7	8.1	8.5
23	8.5	7.6	8.0	7.7	7.1	7.4	7.6	7.3	7.4	8.9	8.4	8.7
24	8.5	7.7	8.1	7.8	7.1	7.3	7.5	7.3	7.4	8.9	8.5	8.7
25	8.2	7.6	7.9	7.7	7.1	7.5	7.6	7.3	7.4	8.8	8.3	8.6
26	8.1	7.5	7.7	8.2	7.3	7.7	7.6	7.4	7.4	8.5	8.1	8.3
27	7.9	7.5	7.6	8.2	7.1	7.7	7.9	7.3	7.5	8.6	8.3	8.4
28	8.2	7.4	7.6	8.1	7.0	7.5	7.9	7.4	7.5	8.5	8.1	8.2
29	8.3	7.5	8.0	7.6	7.2	7.4	7.5	7.2	7.4	8.5	8.0	8.2
30	8.2	7.6	7.9	8.3	7.5	7.7	7.6	7.2	7.4	8.6	7.8	8.4
31	8.4	7.6	7.9	---	---	---	7.6	7.2	7.4	8.5	7.6	8.2
MONTH	---	---	---	---	---	---	8.3	7.2	7.6	8.9	7.1	8.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.6	7.8	8.3	7.8	7.3	7.5	7.7	6.6	7.2	6.9	6.6	6.7
2	8.4	7.9	8.2	8.0	7.3	7.6	7.8	6.9	7.2	7.2	6.7	6.9
3	8.8	7.7	8.5	8.9	7.4	7.8	7.8	6.8	7.3	7.4	6.8	7.1
4	8.9	8.2	8.7	8.5	7.3	7.7	7.8	7.0	7.6	7.2	6.8	7.0
5	8.8	8.2	8.6	7.8	7.2	7.4	7.7	7.1	7.3	7.6	6.6	6.9
6	8.8	7.9	8.5	8.3	7.2	7.6	7.8	6.7	7.3	7.6	6.7	7.0
7	8.4	8.0	8.3	8.0	7.4	7.6	7.9	6.7	7.3	7.3	6.7	7.0
8	8.3	8.0	8.1	7.6	7.4	7.5	8.2	6.7	7.2	8.0	6.7	7.1
9	8.2	7.9	8.1	7.7	7.3	7.4	8.0	6.5	7.3	8.0	6.9	7.3
10	8.4	7.7	8.1	7.6	7.4	7.6	7.8	6.5	7.1	8.4	6.8	7.4
11	8.6	7.3	8.1	7.7	7.4	7.5	8.0	6.3	7.1	7.4	6.8	6.9
12	8.6	7.2	8.0	8.1	7.5	7.6	7.8	6.8	7.2	7.1	6.8	6.9
13	8.5	7.2	8.2	8.0	7.3	7.6	7.3	6.2	6.6	7.1	6.8	6.9
14	8.5	7.0	7.6	8.6	7.6	8.2	7.5	6.3	6.7	7.0	6.8	6.9
15	8.4	7.1	7.7	8.1	7.3	7.7	7.0	6.5	6.6	7.0	6.9	7.0
16	8.2	7.7	8.0	8.0	7.3	7.4	6.8	6.1	6.4	7.1	7.0	7.0
17	8.2	7.6	8.0	8.2	7.4	7.7	6.6	5.9	6.2	7.1	6.9	7.0
18	8.1	7.2	7.6	7.9	7.4	7.7	6.5	5.9	6.1	7.2	7.0	7.0
19	7.8	7.0	7.3	8.4	7.4	8.0	6.8	5.8	6.1	7.3	7.0	7.1
20	8.6	6.9	7.8	8.3	7.5	7.9	7.1	5.9	6.4	7.2	6.9	7.1
21	8.5	7.7	8.2	8.3	7.6	7.9	6.9	5.7	6.3	7.1	6.8	6.9
22	8.8	7.6	8.3	8.1	7.6	7.7	7.9	5.8	6.9	7.2	6.9	7.0
23	8.9	7.7	8.5	7.8	7.6	7.6	8.0	6.8	7.1	7.2	6.8	6.9
24	8.9	8.1	8.7	8.3	7.6	7.7	8.2	6.7	7.3	7.5	6.9	7.1
25	9.1	8.3	8.8	7.8	6.8	7.4	7.5	7.0	7.2	7.8	6.9	7.3
26	8.8	7.9	8.4	7.8	6.6	7.0	7.4	6.6	7.0	8.0	7.0	7.5
27	8.4	7.8	8.2	7.9	6.7	6.9	7.5	6.9	7.2	8.1	7.3	7.8
28	8.7	7.7	7.9	8.2	6.7	7.4	7.4	6.8	7.1	8.0	7.3	7.7
29	8.8	7.6	8.1	7.6	6.5	7.3	7.1	6.7	6.9	7.7	7.2	7.4
30	---	---	---	7.7	6.5	7.0	7.1	6.6	6.8	7.4	7.0	7.2
31	---	---	---	7.4	6.4	6.7	---	---	---	7.3	6.9	7.1
MONTH	9.1	6.9	8.2	8.9	6.4	7.5	8.2	5.7	6.9	8.4	6.6	7.1

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

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

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.1	22.0	22.5	19.5	17.8	18.4	12.1	11.2	11.7	9.2	8.0	8.5
2	22.5	21.8	22.2	19.6	18.3	19.0	11.6	10.6	11.1	10.0	8.2	8.7
3	21.8	19.6	20.8	20.0	18.8	19.5	10.7	9.6	10.1	10.2	8.4	9.2
4	---	---	---	20.2	19.1	19.6	9.9	8.8	9.4	12.2	9.7	10.8
5	---	---	---	21.1	19.5	20.2	9.9	9.3	9.5	12.0	9.9	10.9
6	---	---	---	21.3	20.0	20.8	9.8	8.5	9.4	12.2	10.9	11.4
7	21.4	20.7	21.2	20.8	19.9	20.4	9.0	8.5	8.7	10.9	8.9	9.8
8	21.3	20.8	21.0	20.1	18.5	19.5	9.0	7.5	8.1	9.0	7.8	8.3
9	21.2	20.6	20.9	18.6	16.5	17.4	8.5	7.3	8.2	7.8	6.8	7.5
10	21.4	21.0	21.2	16.6	15.3	15.9	11.1	8.2	9.0	7.4	5.2	6.2
11	21.2	20.8	21.0	16.1	15.4	15.7	10.5	9.8	10.1	5.4	3.3	4.4
12	21.5	20.5	20.9	17.1	15.7	16.2	10.2	9.4	9.6	5.1	3.3	4.4
13	21.6	20.5	21.1	16.8	15.2	16.4	9.6	9.0	9.3	5.8	4.4	5.2
14	21.8	21.0	21.2	---	---	---	9.6	9.0	9.3	5.8	5.2	5.4
15	21.3	20.0	20.7	13.8	13.0	13.4	9.5	8.5	8.9	6.2	5.4	5.7
16	20.1	19.2	19.6	---	---	---	9.1	8.2	8.7	5.9	5.2	5.7
17	20.5	18.8	19.5	---	---	---	10.2	8.8	9.4	5.9	5.0	5.4
18	19.9	18.9	19.5	---	---	---	9.0	8.0	8.7	7.4	5.3	6.1
19	19.4	18.4	18.9	15.8	15.0	15.3	8.4	7.5	8.1	7.0	6.3	6.5
20	---	---	---	15.5	14.5	15.1	7.8	7.2	7.6	6.3	5.6	5.9
21	---	---	---	15.6	14.1	14.8	7.2	6.4	6.8	5.6	5.1	5.3
22	19.8	19.1	19.4	16.1	14.4	14.9	7.1	6.2	6.6	5.9	4.5	5.2
23	19.1	18.1	18.6	16.3	14.7	15.3	7.8	6.5	7.1	5.6	5.0	5.4
24	18.7	17.4	17.8	16.1	14.8	15.4	9.1	7.5	8.3	6.6	5.0	5.6
25	17.9	17.1	17.5	15.7	14.5	15.2	8.9	7.7	8.2	5.7	4.3	5.0
26	19.0	17.5	17.9	14.7	14.0	14.5	7.9	7.1	7.5	4.5	4.1	4.3
27	18.8	17.9	18.3	14.5	14.2	14.3	7.9	7.0	7.4	4.5	4.0	4.3
28	18.6	18.2	18.5	15.7	14.3	14.8	7.8	7.0	7.4	4.2	3.3	3.9
29	19.3	18.3	18.6	15.2	12.9	13.9	8.6	7.2	7.7	4.8	3.2	3.9
30	18.8	17.9	18.4	12.9	11.7	12.2	9.2	8.0	8.7	4.8	3.8	4.3
31	18.5	17.9	18.2	---	---	---	9.0	8.3	8.6	4.5	3.5	3.9
MONTH	---	---	---	---	---	---	12.1	6.2	8.7	12.2	3.2	6.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.1	3.4	3.6	9.4	7.1	8.3	14.6	13.4	13.8	21.1	20.1	20.4
2	4.2	3.0	3.6	10.8	8.9	9.8	13.5	12.2	13.1	22.3	20.0	20.6
3	5.0	3.9	4.5	12.1	9.8	10.7	13.7	12.8	13.2	21.2	20.4	20.9
4	6.2	4.6	5.1	13.7	10.6	12.3	13.9	13.1	13.5	20.7	19.0	19.8
5	5.6	4.8	5.3	14.9	12.1	13.5	13.5	12.5	12.9	21.2	19.2	20.0
6	9.9	5.4	6.5	14.2	10.1	13.1	13.6	11.9	12.6	22.6	19.5	20.6
7	10.4	7.7	8.6	14.6	12.7	13.6	15.5	12.1	13.4	23.7	20.8	22.0
8	8.7	7.8	8.3	13.1	11.4	12.5	15.3	13.6	14.5	23.6	22.1	22.5
9	8.1	7.3	7.6	12.6	11.6	12.0	16.5	14.8	15.4	25.0	22.5	23.7
10	8.2	7.5	7.9	12.1	10.2	11.2	16.5	15.2	15.8	25.4	23.2	24.1
11	8.8	7.9	8.3	11.3	10.2	10.8	17.0	15.8	16.4	25.8	23.2	24.2
12	8.8	8.0	8.3	13.0	10.1	11.3	16.7	16.1	16.4	25.9	23.9	24.5
13	8.8	7.9	8.2	12.7	11.4	11.9	17.8	16.4	16.9	25.9	24.0	24.7
14	8.6	8.2	8.4	11.8	11.2	11.5	17.1	16.1	16.7	25.9	23.9	24.8
15	8.4	8.0	8.3	12.3	11.4	11.9	16.3	15.3	16.0	25.6	23.5	24.3
16	8.0	6.9	7.5	12.7	11.7	12.3	17.5	15.3	16.2	26.0	23.7	24.6
17	7.2	6.6	6.8	12.6	11.9	12.2	18.1	16.1	17.1	26.6	24.0	25.1
18	6.6	6.0	6.4	12.6	10.9	12.0	19.1	17.0	17.9	27.0	24.6	25.4
19	7.3	6.0	6.6	12.9	12.1	12.4	18.8	17.2	18.1	25.8	24.5	25.1
20	8.2	6.8	7.4	13.1	11.7	12.3	21.3	17.4	18.9	26.7	23.9	25.1
21	8.9	7.3	8.1	13.8	12.3	12.9	20.6	18.8	19.5	27.5	24.8	25.8
22	9.2	8.2	8.6	12.9	11.8	12.3	20.5	19.0	19.7	27.2	24.7	25.8
23	9.0	8.3	8.7	12.4	11.0	11.7	22.0	19.6	20.6	27.2	23.8	25.1
24	9.1	8.7	9.0	12.9	11.0	12.0	21.9	20.0	20.9	26.4	24.1	25.0
25	9.1	8.6	8.8	14.1	12.1	12.8	20.7	19.5	20.1	27.0	24.5	25.6
26	8.6	7.0	7.8	14.8	12.7	13.4	22.4	19.8	20.6	28.0	25.1	26.6
27	7.5	7.0	7.3	15.7	13.7	14.7	20.9	20.3	20.6	28.5	26.5	27.3
28	7.7	6.6	7.1	15.7	14.7	15.3	21.1	19.3	20.1	28.5	27.0	27.5
29	9.3	6.4	7.7	14.7	13.8	14.2	21.1	19.4	20.2	27.8	26.7	27.2
30	---	---	---	14.5	13.5	14.0	21.6	19.6	20.6	26.8	25.7	26.1
31	---	---	---	14.8	13.9	14.3	---	---	---	27.1	25.6	26.2
MONTH	10.4	3.0	7.3	15.7	7.1	12.4	22.4	11.9	17.1	28.5	19.0	24.2

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.3	25.8	26.5	29.0	27.6	28.3	29.7	28.6	29.1	27.9	26.7	27.2
2	28.0	26.3	26.9	29.1	27.8	28.5	29.5	28.6	29.1	26.8	26.0	26.5
3	28.6	26.1	27.3	29.6	27.8	28.6	29.1	28.0	28.5	27.0	25.8	26.4
4	27.5	26.5	27.0	29.3	28.2	28.6	29.7	27.5	28.5	27.5	25.9	26.4
5	27.7	26.1	26.8	30.8	27.9	29.2	30.1	27.9	29.0	27.8	25.8	26.8
6	27.1	26.3	26.8	31.8	29.4	30.4	29.0	27.3	28.1	27.3	26.3	26.7
7	28.1	26.6	27.2	31.2	30.0	30.4	27.5	26.4	26.7	26.6	26.0	26.4
8	28.2	27.1	27.7	30.6	28.9	29.6	27.2	25.7	26.4	27.0	26.2	26.6
9	28.9	27.2	27.7	31.8	28.8	29.8	27.6	26.3	26.9	27.0	26.3	26.6
10	28.6	26.7	27.6	31.6	29.5	30.3	28.4	26.4	27.3	26.8	26.3	26.5
11	29.2	27.3	28.0	30.2	29.3	29.8	28.0	27.0	27.4	26.4	25.4	26.0
12	28.5	26.5	27.2	29.6	28.9	29.2	27.7	26.5	27.1	26.0	25.4	25.7
13	26.7	25.4	26.2	30.3	28.4	29.2	27.1	26.4	26.8	25.5	25.0	25.2
14	26.8	25.6	26.1	30.4	28.7	29.6	26.8	25.9	26.4	25.2	24.6	24.9
15	27.4	25.7	26.5	30.3	28.7	29.3	26.2	25.1	25.8	25.2	24.6	24.9
16	27.3	26.4	26.8	29.8	28.4	29.2	26.7	24.7	25.8	26.0	24.9	25.3
17	27.4	26.4	26.9	29.6	28.4	29.0	27.3	25.8	26.5	25.9	25.2	25.6
18	29.1	26.5	27.5	29.1	27.9	28.5	27.3	26.1	26.6	25.6	24.0	24.8
19	30.0	27.3	28.5	29.7	27.7	28.4	29.1	26.3	27.2	24.0	22.7	23.4
20	29.9	27.4	28.2	29.6	27.6	28.4	28.4	26.6	27.2	22.8	21.0	22.0
21	27.7	26.8	27.2	30.8	28.3	29.1	28.4	26.7	27.5	22.4	20.9	21.8
22	28.1	26.9	27.5	30.7	28.4	29.4	27.4	26.5	27.0	23.1	21.4	21.8
23	29.3	27.4	28.2	29.6	28.6	29.0	26.7	25.8	26.3	23.5	21.6	22.5
24	29.6	27.9	28.5	30.7	28.0	29.0	27.1	25.7	26.3	23.7	22.8	23.2
25	30.0	27.9	28.9	29.8	28.6	29.1	26.8	26.2	26.5	23.8	22.7	23.3
26	28.5	27.6	28.1	30.4	28.5	29.1	26.6	26.0	26.3	23.5	23.0	23.2
27	28.9	27.3	28.0	30.2	28.8	29.5	27.2	26.0	26.6	24.0	23.2	23.5
28	28.6	27.7	28.2	29.5	27.8	28.6	28.4	26.5	27.0	24.1	23.4	23.7
29	28.8	27.3	28.1	29.1	27.5	28.1	28.2	26.8	27.4	25.2	23.6	24.1
30	29.0	27.6	28.3	29.6	27.6	28.5	27.5	26.7	27.1	24.5	23.7	24.0
31	---	---	---	29.6	28.1	28.8	28.7	26.7	27.4	---	---	---
MONTH	30.0	25.4	27.5	31.8	27.5	29.1	30.1	24.7	27.2	27.9	20.9	24.8

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.6	22.4	23.1	18.5	17.8	18.3	12.3	11.2	11.7	8.7	8.2	8.5
2	22.9	21.7	22.2	19.4	18.2	18.5	11.5	10.6	11.1	8.7	8.4	8.5
3	21.9	20.2	20.9	19.3	18.5	18.8	11.1	9.5	10.1	8.7	8.5	8.6
4	---	---	---	19.8	18.7	19.2	10.0	8.6	9.3	9.2	8.5	8.7
5	---	---	---	20.0	18.6	19.1	9.8	9.2	9.4	12.5	8.6	10.2
6	---	---	---	19.6	18.8	19.1	9.6	8.6	9.4	12.9	10.9	11.5
7	21.3	21.0	21.1	20.2	18.7	19.4	9.0	8.5	8.7	10.9	9.3	9.9
8	21.4	20.8	21.0	20.0	18.6	19.4	9.2	7.9	8.7	9.5	8.1	8.7
9	21.2	20.7	20.9	18.8	16.5	17.4	9.7	8.4	8.9	8.5	6.8	7.8
10	21.3	20.9	21.1	16.6	15.5	16.2	10.9	8.5	9.0	7.4	5.2	6.2
11	21.2	20.9	21.1	16.5	15.7	16.1	10.3	9.6	9.9	6.3	3.8	4.7
12	21.3	20.6	21.0	16.6	15.8	16.3	9.6	9.2	9.4	5.2	4.2	4.7
13	21.5	20.9	21.1	16.8	15.2	16.3	9.5	8.8	9.2	5.8	4.7	5.2
14	21.7	21.1	21.3	---	---	---	9.4	8.8	9.2	5.7	5.2	5.4
15	21.3	20.2	20.7	14.8	13.1	13.7	9.3	8.5	8.9	6.0	5.4	5.7
16	20.4	19.5	19.8	---	---	---	9.2	8.9	9.0	5.9	5.2	5.7
17	20.1	19.3	19.8	---	---	---	10.1	9.0	9.3	5.5	5.0	5.4
18	20.1	19.0	19.6	---	---	---	9.3	8.3	8.9	7.1	5.4	6.0
19	19.7	18.4	19.0	15.5	14.6	15.0	9.1	8.0	8.3	6.9	6.3	6.5
20	20.0	19.0	19.3	15.4	14.6	15.0	8.5	7.2	7.6	6.3	5.6	5.9
21	19.9	19.0	19.5	15.2	14.3	14.8	7.6	6.6	7.0	5.9	5.1	5.4
22	19.8	19.1	19.4	15.2	14.4	14.8	8.7	6.5	7.1	5.8	5.1	5.4
23	19.1	18.1	18.7	15.2	14.8	14.9	8.9	7.4	8.3	5.6	5.0	5.4
24	18.9	17.3	18.0	15.4	14.9	15.1	8.9	7.8	8.5	6.5	5.2	5.6
25	18.3	17.1	17.6	15.5	14.4	15.1	9.0	8.1	8.6	5.7	4.4	5.0
26	18.2	17.5	17.8	15.0	14.0	14.4	8.6	7.9	8.2	4.6	4.1	4.3
27	18.4	17.8	18.0	14.9	14.2	14.5	8.3	7.5	7.9	4.5	4.0	4.3
28	18.6	17.7	18.1	15.5	14.3	14.8	8.1	7.4	7.9	4.2	3.4	3.9
29	19.0	18.0	18.4	15.1	12.9	13.8	8.2	7.7	7.9	4.6	3.4	3.9
30	18.8	18.0	18.4	12.9	11.8	12.2	9.0	7.9	8.4	4.4	3.8	4.1
31	18.4	18.0	18.3	---	---	---	8.9	8.3	8.5	4.2	3.4	3.8
MONTH	---	---	---	---	---	---	12.3	6.5	8.8	12.9	3.4	6.3
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.9	3.1	3.5	7.7	7.1	7.3	14.4	13.3	13.7	20.5	19.9	20.1
2	3.9	2.8	3.4	10.5	7.0	8.2	13.4	12.1	13.0	22.1	20.1	20.5
3	4.7	3.6	4.2	11.7	8.1	9.8	13.5	12.7	13.0	21.2	20.5	20.9
4	5.1	4.4	4.7	11.8	9.3	10.4	13.8	13.1	13.4	20.6	19.0	19.9
5	5.3	4.6	5.0	12.3	7.9	9.8	13.4	12.4	12.8	20.4	19.8	20.1
6	8.2	5.1	6.0	13.7	8.0	11.6	13.2	12.0	12.6	21.2	19.6	20.1
7	9.2	7.4	8.3	13.6	12.6	13.1	13.9	12.3	12.9	21.2	20.2	20.6
8	8.5	7.3	7.9	13.0	11.4	12.5	15.0	12.8	13.8	23.1	20.3	21.4
9	7.8	7.2	7.6	12.5	11.7	12.1	15.4	13.4	14.7	23.7	21.6	22.4
10	7.8	7.3	7.5	12.1	10.4	11.2	16.3	13.9	15.2	24.1	21.8	23.0
11	8.4	7.7	7.9	11.0	9.6	10.6	16.7	15.2	16.0	23.8	20.9	22.1
12	8.4	7.7	8.0	12.3	10.3	10.9	16.7	16.0	16.3	23.6	21.3	22.5
13	8.3	7.7	7.9	12.0	10.6	11.2	17.6	15.8	16.6	23.4	21.2	22.1
14	8.2	7.6	7.8	11.7	11.0	11.5	17.0	16.1	16.6	23.8	21.1	21.9
15	8.2	7.7	7.9	11.8	10.8	11.4	16.2	15.2	15.9	23.4	21.6	22.1
16	7.8	6.9	7.3	12.5	10.8	11.3	16.4	15.2	15.9	23.5	21.9	22.6
17	7.0	6.3	6.5	12.5	11.4	12.1	16.7	15.9	16.1	24.3	22.4	23.1
18	6.5	5.9	6.3	12.2	11.3	11.8	17.3	16.0	16.6	24.1	22.2	22.8
19	6.9	5.9	6.4	12.8	11.7	12.3	18.0	16.1	16.9	22.9	22.1	22.4
20	7.5	6.6	7.0	12.5	11.6	12.1	18.5	16.7	17.6	24.7	22.2	23.0
21	8.7	7.3	8.0	13.6	12.2	12.8	19.7	16.4	18.0	24.3	22.9	23.4
22	8.9	8.0	8.3	12.8	12.0	12.3	19.8	16.7	18.5	24.9	22.9	23.3
23	9.0	8.2	8.6	12.5	11.4	11.8	20.4	17.3	18.8	24.9	23.1	23.8
24	9.0	8.7	8.9	12.8	11.4	12.0	21.4	16.8	19.7	25.5	24.0	24.4
25	9.0	8.6	8.8	13.0	11.8	12.3	20.2	19.4	19.8	25.7	24.4	25.0
26	8.6	7.0	7.8	13.3	12.1	12.4	21.6	18.8	20.3	27.1	25.0	25.9
27	7.4	6.7	7.2	14.1	11.9	12.5	20.8	20.2	20.6	28.2	26.4	27.0
28	7.8	6.7	7.1	15.4	12.0	13.9	20.5	19.6	19.9	28.0	26.6	27.2
29	7.8	7.1	7.5	14.6	13.3	14.1	20.5	19.7	20.0	27.6	26.8	27.1
30	---	---	---	14.0	12.8	13.5	21.2	19.8	20.1	27.1	25.9	26.4
31	---	---	---	14.2	12.6	13.2	---	---	---	27.0	25.9	26.2
MONTH	9.2	2.8	7.0	15.4	7.0	11.7	21.6	12.0	16.5	28.2	19.0	23.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.2	25.9	26.4	28.6	27.8	28.1	29.7	28.6	29.1	27.6	26.8	27.4
2	27.2	26.3	26.6	28.2	27.7	27.9	29.5	28.6	29.1	27.3	26.2	26.8
3	27.1	26.2	26.6	28.1	27.5	27.8	29.1	28.0	28.5	26.9	25.9	26.4
4	26.9	26.2	26.6	28.1	27.4	27.7	28.9	27.6	28.1	27.0	26.1	26.5
5	27.2	26.1	26.7	28.6	27.3	27.7	29.2	28.0	28.5	27.9	25.9	26.9
6	27.1	26.4	26.7	29.6	27.4	28.1	28.8	27.4	28.1	27.3	26.6	26.9
7	27.2	26.4	26.7	29.1	27.5	28.0	27.5	26.3	26.7	26.8	26.4	26.7
8	27.2	26.5	26.8	29.0	27.7	28.2	27.1	26.6	26.8	27.0	26.6	26.7
9	27.8	26.6	27.0	29.0	27.9	28.3	27.2	26.8	27.0	26.9	26.4	26.7
10	27.9	26.5	27.2	29.4	28.2	28.6	27.3	27.0	27.1	26.8	26.5	26.7
11	27.8	26.8	27.3	29.6	28.4	28.8	27.3	27.0	27.1	26.5	25.4	26.1
12	28.3	27.0	27.3	29.5	28.4	28.9	27.7	27.0	27.2	26.1	25.2	25.7
13	27.1	25.5	26.4	29.4	28.3	28.7	27.4	26.6	27.1	25.6	24.9	25.2
14	26.8	25.8	26.2	29.3	28.3	28.7	27.4	26.3	26.9	25.4	24.4	24.9
15	27.0	26.1	26.4	29.3	28.5	28.9	26.6	25.7	26.2	25.5	24.1	24.9
16	27.0	26.4	26.6	29.5	28.6	28.9	26.4	25.2	26.0	25.3	24.6	24.9
17	27.1	26.3	26.8	29.0	28.7	28.9	26.6	26.0	26.3	25.6	24.7	24.9
18	28.3	26.6	27.1	28.9	28.5	28.7	26.7	26.2	26.3	25.6	24.1	24.8
19	29.5	26.9	27.9	28.8	28.2	28.6	26.6	26.2	26.3	24.4	22.9	23.7
20	28.1	27.2	27.8	28.7	28.0	28.4	26.5	26.1	26.2	22.9	21.1	22.0
21	27.7	26.9	27.3	28.9	28.2	28.4	27.9	26.1	26.4	23.2	21.1	22.1
22	27.8	27.1	27.3	30.0	28.0	28.9	27.2	26.3	26.7	22.7	21.9	22.2
23	28.7	27.3	27.6	29.8	28.7	29.0	27.2	26.1	26.6	23.0	21.9	22.3
24	28.7	27.2	27.7	29.2	28.2	28.7	26.8	25.7	26.3	23.5	22.2	22.9
25	28.4	27.3	27.6	29.3	28.6	28.9	26.7	26.1	26.4	23.8	22.8	23.3
26	28.4	27.3	27.9	28.9	28.5	28.7	26.6	26.0	26.4	23.7	23.0	23.4
27	28.0	27.7	27.8	28.9	28.4	28.7	27.1	26.0	26.5	23.7	23.3	23.4
28	28.6	27.8	28.0	29.0	28.3	28.6	27.0	26.6	26.8	24.2	23.1	23.6
29	28.3	27.4	27.9	28.6	27.5	28.1	27.6	26.6	27.0	24.0	23.8	23.9
30	28.4	27.8	28.0	29.3	27.7	28.4	27.9	26.8	27.3	24.4	23.8	24.1
31	---	---	---	29.5	28.1	28.8	27.6	27.1	27.3	---	---	---
MONTH	29.5	25.5	27.1	30.0	27.3	28.5	29.7	25.2	27.0	27.9	21.1	24.9

NEUSE RIVER BASIN

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.5	7.3	8.4	14.6	9.7	11.2	10.9	9.3	9.9	12.4	10.3	11.2
2	9.1	7.4	7.9	13.9	10.0	12.2	10.2	9.4	9.9	13.4	10.9	11.7
3	9.8	7.4	8.2	12.8	10.4	11.7	10.3	9.5	9.8	12.0	10.1	11.1
4	---	---	---	11.7	8.3	10.5	10.5	9.8	10	11.7	7.5	10.3
5	---	---	---	11.6	7.3	10.0	10.0	9.5	9.8	9.8	6.3	8.2
6	---	---	---	9.9	6.7	8.7	10.1	9.3	9.6	9.6	8.5	9.1
7	9.4	5.9	8.1	8.0	6.6	7.4	10.3	9.7	9.9	9.9	8.9	9.4
8	8.3	3.2	6.5	8.3	7.0	7.7	11.1	9.7	10.3	11.4	9.4	10.1
9	7.3	5.9	6.6	8.7	7.7	8.2	11.1	10.2	10.7	11.2	10.0	10.5
10	7.6	6.7	7.1	9.4	8.2	9.0	11.0	9.2	10.5	11.9	10.2	10.9
11	7.9	6.6	7.2	9.6	8.8	9.2	9.9	9.2	9.6	12.9	10.8	11.8
12	9.2	6.9	7.9	9.8	8.6	9.1	10.7	9.6	9.9	13.5	11.9	12.5
13	9.8	5.5	7.8	9.0	8.1	8.6	10.7	9.9	10.1	13.7	11.9	12.6
14	8.2	6.0	6.9	---	---	---	10.2	9.9	10.0	13.0	12.0	12.5
15	7.8	6.3	7.0	11.2	9.1	9.8	10.3	9.9	10.1	12.7	12.1	12.4
16	9.3	6.7	7.3	---	---	---	10.4	9.4	9.9	12.9	12.0	12.4
17	10.4	6.6	8.2	---	---	---	10.1	9.3	9.7	13.8	12.0	12.7
18	8.8	7.5	8.3	---	---	---	9.7	9.1	9.5	13.3	11.8	12.6
19	10.8	7.8	9.0	9.0	6.2	7.6	9.9	9.3	9.7	13.1	11.5	12.2
20	---	---	---	8.1	7.2	7.6	10.1	9.4	9.7	13.0	12.0	12.4
21	---	---	---	10.3	7.4	8.4	10.7	9.7	10.0	13.3	12.1	12.7
22	9.5	7.3	8.2	11.1	7.8	9.4	10.6	9.8	10.2	13.3	12.4	12.9
23	10.1	7.9	8.9	10.4	8.1	9.3	10.7	9.9	10.3	13.2	11.9	12.6
24	10.1	8.6	9.2	10.4	7.7	9.3	10.6	9.8	10.3	13.7	11.9	12.5
25	9.6	7.5	9.0	9.3	8.0	8.7	10.4	9.6	10.1	12.7	11.7	12.2
26	11.2	7.7	9.3	10.2	8.3	9.2	10.2	9.3	9.8	12.4	11.7	12.0
27	10.4	7.8	9.1	10.0	9.2	9.5	11.3	9.8	10.3	12.6	11.7	12.1
28	9.9	6.8	9.1	10.2	6.1	9.0	12.4	10.1	10.6	12.8	11.8	12.2
29	10.4	8.2	9.1	8.9	6.7	8.2	12.5	10.5	11.1	13.6	11.7	12.5
30	11.3	8.2	9.6	10.8	8.5	9.2	11.9	9.7	10.9	13.9	12.8	13.4
31	11.2	8.9	10	---	---	---	11.5	10.1	10.6	13.6	12.3	12.9
MONTH	---	---	---	---	---	---	12.5	9.1	10.1	13.9	6.3	11.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.7	12.4	12.7	12.4	11.1	11.7	10.0	7.7	9.2	6.6	2.3	4.8
2	12.9	12.2	12.6	11.3	10.2	10.8	11.0	8.6	9.5	7.0	4.0	5.7
3	13.5	12.0	13.0	12.4	9.5	10.7	10.7	9.1	9.9	7.4	4.9	6.3
4	13.3	12.6	12.9	12.4	9.5	11.1	10.7	9.8	10.3	8.6	5.9	6.9
5	12.9	11.8	12.3	11.5	8.6	10.2	9.9	9.4	9.6	8.6	7.2	8.0
6	12.8	10.9	12.2	10.5	7.4	8.8	11.9	9.3	10.2	10.0	5.9	8.3
7	12.1	10.4	11.3	9.3	7.2	8.5	11.9	9.2	10.7	11.4	6.8	9.4
8	11.0	10.2	10.6	8.1	7.1	7.5	11.5	9.3	10.7	10.0	7.5	8.9
9	11.2	10.5	10.9	8.4	6.7	7.5	11.4	9.9	10.6	11.6	6.6	9.3
10	11.8	10.6	11.2	9.1	7.2	8.1	10.6	9.0	9.9	11.8	8.4	9.8
11	12.7	11.2	12.0	9.5	8.6	9.1	10.8	9.0	9.9	12.4	6.6	9.3
12	12.1	10.4	11.2	10.9	8.5	9.5	9.8	8.3	8.9	10.9	6.0	8.0
13	11.7	10.5	11.0	10.7	9.5	10.0	9.4	7.5	8.3	9.5	5.4	7.5
14	12.6	11.4	12.0	11.1	9.9	10.4	10.4	7.8	8.7	9.2	4.2	7.1
15	11.8	9.9	11.1	10.3	9.4	9.9	9.5	8.2	8.9	10.0	2.8	6.2
16	10.9	9.9	10.5	10.0	8.4	9.4	10.8	8.6	9.6	10.0	3.1	6.7
17	11.5	10.7	11.0	10.2	8.7	9.2	11.0	8.1	10.1	11.4	4.2	7.5
18	11.5	10.7	11.0	10.9	8.6	9.8	10.8	8.5	9.9	9.9	5.8	7.7
19	12.6	10.3	11.4	10.0	8.3	9.5	10.6	7.7	9.5	9.2	5.7	7.7
20	13.9	10.1	12.0	10.3	8.3	9.1	11.1	7.6	9.6	10.5	1.7	6.8
21	11.7	9.8	10.9	9.8	7.8	8.7	10.8	8.8	9.6	11.3	3.7	7.1
22	13.2	10.8	11.8	9.6	7.8	8.6	9.3	7.8	8.6	7.6	2.8	6.0
23	12.5	10.4	11.9	10.2	8.0	9.0	9.9	7.5	8.8	8.2	0.8	4.7
24	12.1	10.4	11.5	10.9	8.6	9.6	9.1	6.2	8.0	7.5	3.5	5.3
25	12.2	10.4	11.3	13.8	8.7	10.8	7.3	5.8	6.6	9.6	3.5	6.7
26	11.3	10.2	10.6	13.4	10.4	11.9	7.7	4.9	6.5	9.6	5.2	7.3
27	10.9	10.2	10.6	13.1	10.2	11.9	7.9	5.5	7.1	8.5	5.4	7.0
28	11.8	10.2	10.8	11.4	9.3	10.5	8.5	6.1	7.3	7.4	5.5	6.7
29	14.0	10.7	12.0	9.9	8.9	9.4	8.5	5.0	7.6	6.7	5.0	5.9
30	---	---	---	10.7	9.1	9.9	7.8	4.9	6.4	5.8	4.0	5.0
31	---	---	---	11.2	8.4	9.8	---	---	---	5.8	4.2	4.9
MONTH	14.0	9.8	11.5	13.8	6.7	9.7	11.9	4.9	9.0	12.4	0.8	7.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	3.9	6.0	10.1	5.2	7.7	5.0	2.0	4.1	8.6	5.5	7.2
2	7.8	5.7	6.7	8.9	4.5	7.1	4.7	2.5	3.8	7.9	6.2	6.9
3	8.8	5.5	6.9	9.8	4.1	7.1	5.2	2.6	3.9	9.0	6.5	7.7
4	6.7	3.2	5.3	8.3	2.4	5.5	6.6	2.1	4.2	9.9	7.4	8.2
5	9.1	4.4	6.4	9.6	2.3	5.7	6.5	3.1	4.6	9.2	7.3	7.9
6	7.5	4.8	6.6	7.1	4.3	6.1	6.8	3.1	4.6	7.9	6.5	7.2
7	9.2	5.6	7.0	8.9	4.7	6.5	8.1	5.3	6.5	7.6	5.0	6.3
8	8.4	4.3	6.9	5.8	1.4	4.0	10.4	5.6	7.5	6.4	3.4	5.3
9	9.1	4.1	6.7	9.8	3.3	6.5	10.4	4.8	7.6	7.8	3.6	6.3
10	8.1	4.8	6.6	8.8	4.2	7.2	9.6	5.4	7.2	8.3	5.9	7.0
11	8.2	5.8	6.9	6.9	3.7	6.1	9.7	4.4	6.9	8.4	7.1	7.7
12	7.0	4.7	5.7	7.4	4.8	6.2	7.2	3.4	5.4	9.0	7.3	8.1
13	7.0	5.2	6.0	11.3	4.7	7.4	6.2	3.2	5.3	8.3	7.2	7.8
14	6.5	4.5	6.0	8.0	5.8	6.6	6.0	4.8	5.2	8.2	7.2	7.7
15	6.5	4.6	5.7	10.0	5.0	6.9	5.8	3.4	4.9	9.0	6.5	7.7
16	6.1	4.3	5.4	6.9	5.2	6.1	9.6	4.4	6.7	10.0	7.5	8.5
17	6.3	4.8	5.9	7.0	4.5	6.3	9.5	5.0	7.3	8.5	5.3	7.2
18	7.4	4.7	5.8	6.4	4.0	5.5	8.8	1.7	6.5	7.3	6.0	6.7
19	8.3	4.9	6.5	8.5	3.3	5.8	11.8	5.6	8.0	7.6	6.3	6.9
20	7.7	5.0	6.0	6.3	4.2	5.3	8.0	2.6	6.1	8.2	6.9	7.5
21	7.1	4.3	5.5	10.0	4.8	6.4	6.5	3.0	5.4	9.0	7.1	7.9
22	5.9	4.2	5.1	8.8	6.3	8.0	6.4	3.6	5.6	10.6	7.3	8.5
23	8.5	4.8	6.1	8.4	1.4	6.6	7.4	5.3	6.3	10.3	8.2	9.1
24	9.0	5.5	7.3	7.6	4.2	6.2	7.0	4.2	6.1	9.5	8.2	8.8
25	10.8	6.3	8.2	8.2	4.9	6.2	6.6	4.3	5.2	8.3	7.4	7.9
26	7.2	4.4	6.4	7.0	5.4	6.3	6.2	4.4	5.7	7.9	6.4	7.4
27	9.9	5.5	7.2	7.8	2.7	5.9	7.7	5.3	6.6	7.9	6.3	7.0
28	8.7	4.2	5.9	6.2	3.3	4.9	9.5	6.7	7.6	7.3	5.2	6.5
29	9.8	3.9	6.4	5.4	1.5	4.2	8.9	4.7	7.1	8.8	5.6	7.2
30	9.5	4.8	7.4	5.4	2.2	4.1	7.3	2.6	6.1	8.5	5.2	7.1
31	---	---	---	5.2	3.3	3.9	10.4	5.9	7.7	---	---	---
MONTH	10.8	3.2	6.3	11.3	1.4	6.1	11.8	1.7	6.0	10.6	3.4	7.4

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.7	3.5	6.3	10.5	4.7	7.6	11.3	9.0	10.1	13.0	5.2	8.2
2	9.5	6.0	8.2	10.4	4.5	7.5	10.6	9.5	10.3	6.6	4.2	5.1
3	9.7	6.6	8.2	10.1	5.0	7.8	11.0	9.8	10.4	7.7	3.8	5.2
4	---	---	---	10.2	2.1	7.7	11.0	10.2	10.6	5.8	4.3	5.0
5	---	---	---	7.5	0.2	4.3	10.6	10.1	10.4	---	---	---
6	---	---	---	5.3	0.5	2.8	10.7	10.0	10.2	---	---	---
7	6.0	0.4	3.0	7.6	0.2	3.3	10.8	10.3	10.5	---	---	---
8	7.8	0.6	4.5	8.4	1.6	7.0	11.0	9.8	10.3	---	---	---
9	7.8	6.3	7.1	9.2	6.6	8.5	11.8	8.4	10.1	---	---	---
10	8.1	7.3	7.6	9.7	8.0	8.8	11.6	9.1	11.0	---	---	---
11	8.4	7.1	7.5	9.6	7.1	8.5	10.8	9.9	10.6	---	---	---
12	7.7	4.8	6.5	9.6	6.1	8.1	11.1	10.2	10.8	---	---	---
13	7.4	3.9	5.8	9.5	8.1	8.9	11.7	10.4	11.1	---	---	---
14	7.2	3.8	5.7	---	---	---	11.4	10.7	11.1	---	---	---
15	7.0	5.2	6.2	11.6	8.1	9.8	11.4	10.7	11.1	---	---	---
16	8.4	5.2	6.3	---	---	---	11.3	10.1	10.6	---	---	---
17	9.0	5.0	6.4	---	---	---	11.3	9.6	10.5	---	---	---
18	9.2	4.0	7.9	---	---	---	11.2	9.1	10.6	---	---	---
19	10.3	4.3	8.0	7.9	5.3	6.5	11.4	9.8	10.9	---	---	---
20	9.3	2.2	6.1	7.9	6.8	7.5	11.9	10.2	11.3	---	---	---
21	8.7	2.9	5.8	9.0	6.2	7.5	12.2	10.9	11.6	---	---	---
22	9.7	6.6	8.3	9.2	5.6	7.6	12.1	7.3	10.9	---	---	---
23	10.3	6.7	8.7	8.3	5.8	7.2	10.8	7.0	8.3	---	---	---
24	10.0	6.9	8.8	8.9	4.9	6.5	9.8	7.0	8.0	---	---	---
25	9.4	6.3	8.5	8.9	5.0	7.5	10.4	6.9	8.5	---	---	---
26	9.0	5.6	7.4	10.0	5.3	8.7	9.7	7.3	8.7	---	---	---
27	8.0	5.2	6.6	10.1	4.8	8.5	11.7	6.9	9.2	---	---	---
28	9.2	4.2	6.4	9.7	5.0	7.8	11.6	7.8	9.0	---	---	---
29	9.6	4.5	8.2	9.3	7.0	8.6	10.0	6.5	8.3	---	---	---
30	9.2	5.4	7.7	11.2	8.6	9.4	11.5	6.3	8.4	---	---	---
31	9.6	5.6	8.0	---	---	---	11.4	6.7	9.2	11.6	8.9	10.7
MONTH	---	---	---	---	---	---	12.2	6.3	10.1	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.0	9.3	11.0	11.9	7.7	10.2	9.7	5.9	8.6	5.0	1.5	3.3
2	11.7	10.2	11.2	11.8	8.4	10.1	10.2	8.3	9.0	7.7	2.5	5.3
3	12.3	8.8	11.5	14.2	9.2	11.0	10.1	6.2	9.0	8.2	4.1	6.7
4	12.2	10.2	11.6	12.4	8.2	10.2	10.1	7.6	9.5	8.2	5.1	7.1
5	12.3	10.4	11.4	10.3	6.0	7.7	9.5	8.5	9.1	9.2	3.0	6.5
6	12.2	9.8	11.4	11.7	6.0	8.9	10.0	6.0	8.7	7.5	2.2	5.5
7	11.8	10.3	11.1	10.4	8.0	9.0	10.3	4.2	8.6	6.0	0.9	3.1
8	11.4	10.4	10.8	9.0	7.9	8.3	10.5	4.4	7.8	7.0	1.0	3.6
9	11.4	10.2	11.0	9.3	6.0	7.8	10.0	4.9	8.2	6.3	1.8	4.1
10	12.0	9.0	11.0	10.2	8.1	9.2	9.8	4.5	7.9	7.3	0.6	4.1
11	12.4	8.2	10.8	10.4	8.5	9.5	9.5	4.9	7.9	4.9	0.1	1.3
12	12.8	8.1	10.9	11.4	8.8	9.5	9.1	7.5	8.2	2.8	0.1	0.9
13	12.4	8.6	11.4	11.1	7.0	9.5	8.8	4.0	7.1	2.3	0.1	0.5
14	12.7	8.0	10.1	12.5	8.9	11.2	9.5	6.5	7.9	1.0	0.1	0.2
15	12.8	8.8	10.8	11.2	4.6	8.9	8.7	7.5	8.0	1.1	0.1	0.2
16	---	---	---	10.5	4.4	6.4	8.4	5.9	7.2	1.1	0.1	0.2
17	---	---	---	11.0	6.2	9.2	7.8	3.4	6.0	1.3	0.1	0.2
18	---	---	---	10.6	5.7	8.7	7.8	3.7	5.9	1.3	0.1	0.1
19	---	---	---	11.2	6.6	10	8.2	3.4	5.7	0.3	0.1	0.1
20	---	---	---	10.6	6.9	9.5	8.7	3.9	6.8	4.3	0.1	0.6
21	13.8	11.6	12.7	10.9	8.0	9.4	8.2	1.8	5.8	1.7	0.0	0.4
22	14.7	10.6	12.9	10.1	7.6	8.8	8.1	1.4	5.6	3.8	0.0	0.3
23	14.7	10.6	13.2	8.8	6.4	7.6	8.1	2.1	4.8	4.0	0.0	1.5
24	13.9	11.4	13.1	10.5	5.7	7.5	8.6	0.9	5.5	5.6	0.6	3.2
25	14.4	11.8	13.2	10.0	5.4	7.6	7.0	4.3	5.7	6.6	0.3	4.5
26	13.3	12.3	12.7	10.1	3.7	6.6	7.4	1.2	5.4	7.9	0.6	5.1
27	13.1	12.3	12.7	9.7	2.4	5.0	8.0	4.7	6.9	7.9	4.0	6.4
28	14.1	11.4	12.5	10.5	1.1	6.7	7.6	3.8	6.4	7.2	4.0	5.9
29	14.6	10.9	12.7	9.6	5.2	8.6	6.8	3.1	5.1	6.3	3.4	5.1
30	---	---	---	9.8	6.0	8.2	6.8	1.8	3.9	5.4	2.4	4.3
31	---	---	---	9.0	4.6	6.5	---	---	---	5.1	2.0	4.0
MONTH	---	---	---	14.2	1.1	8.6	10.5	0.9	7.1	9.2	0.0	3.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	4.2	5.7	5.8	0.2	2.8	3.8	1.1	2.8	7.1	2.3	4.0
2	6.7	2.9	5.6	4.2	0.0	1.0	3.9	1.6	2.7	7.9	2.5	5.9
3	6.4	2.1	5.2	4.0	0.1	0.8	5.0	2.8	3.9	7.8	4.4	6.4
4	5.2	1.0	3.4	2.8	0.3	0.9	4.6	2.3	3.4	8.5	1.9	5.7
5	7.8	3.3	5.2	3.0	0.0	0.9	6.3	0.9	3.2	7.9	2.8	6.7
6	6.8	2.4	5.2	5.5	0.1	1.4	6.8	1.6	5.0	6.4	2.0	4.9
7	7.2	1.3	4.7	3.4	0.1	0.7	6.2	2.5	4.7	3.2	0.4	1.9
8	4.4	1.1	2.9	3.5	0.3	1.0	4.2	0.1	2.3	5.3	0.3	2.3
9	6.3	0.8	3.0	1.9	0.1	0.5	4.4	0.1	1.7	5.9	1.4	4.5
10	6.4	0.4	3.9	2.8	0.1	0.6	4.9	0.0	1.4	7.0	1.2	3.7
11	6.3	2.4	4.8	3.9	0.2	0.9	3.8	0.8	1.2	8.6	5.2	7.5
12	6.2	2.9	5.0	3.4	0.3	1.1	5.4	0.3	2.3	9.2	5.5	7.7
13	6.4	4.2	5.3	6.2	0.4	1.9	5.2	0.2	3.6	8.3	5.9	7.7
14	5.9	2.1	4.7	4.8	0.1	1.3	5.4	2.1	4.1	8.2	4.6	7.2
15	5.6	1.8	3.6	6.9	0.1	2.9	4.9	2.6	3.8	7.7	1.7	5.2
16	4.7	1.8	3.2	5.7	0.9	3.6	6.1	1.9	3.8	5.4	2.3	3.6
17	5.0	0.8	3.2	3.5	0.1	2.1	6.3	1.2	3.4	5.8	2.5	3.5
18	5.8	1.6	4.3	2.3	0.1	0.8	4.6	0.1	1.1	7.3	4.2	6.2
19	5.7	2.0	4.0	5.8	0.1	1.0	1.1	0.1	0.2	7.3	4.4	5.9
20	5.4	1.9	3.9	4.8	1.0	3.2	1.3	0.0	0.3	8.3	6.7	7.3
21	5.7	2.2	4.1	5.4	0.1	4.1	4.5	0.0	0.3	7.5	4.3	5.9
22	4.1	0.3	2.4	7.6	2.0	5.6	5.2	0.1	1.8	8.2	4.3	5.8
23	5.4	1.8	3.0	6.6	0.1	2.0	6.9	0.5	3.4	8.0	4.0	5.2
24	5.8	0.9	3.6	5.8	0.1	1.9	7.1	0.9	5.5	8.7	4.6	6.8
25	5.6	1.7	3.4	6.1	2.1	5.1	6.6	4.5	5.5	8.1	5.4	7.2
26	6.8	1.9	5.2	5.6	0.1	2.8	6.2	3.0	5.0	7.4	6.0	7.1
27	5.9	1.6	4.3	2.2	0.1	0.7	7.2	1.9	5.3	6.6	4.3	5.5
28	5.8	0.7	2.7	4.5	0.0	1.1	7.6	1.3	5.7	6.4	1.9	4.7
29	6.1	1.9	4.0	3.1	0.0	0.9	6.2	1.2	3.4	6.4	4.3	5.3
30	4.8	1.5	3.2	5.2	0.0	2.3	7.1	1.5	4.8	7.5	4.1	5.3
31	---	---	---	4.6	1.7	2.9	6.1	3.4	4.2	---	---	---
MONTH	7.8	0.3	4.1	7.6	0.0	1.9	7.6	0.0	3.2	9.2	0.3	5.6

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	85	97	156	103	119	102	85	91	107	89	96
2	105	85	91	152	108	132	92	85	90	118	93	101
3	110	83	91	141	114	128	91	85	88	107	87	97
4	---	---	---	129	90	115	92	86	87	107	66	94
5	---	---	---	131	80	111	88	84	86	90	56	75
6	---	---	---	112	74	97	88	82	84	87	79	84
7	107	67	92	89	73	82	89	83	85	87	80	83
8	94	36	74	89	77	84	95	83	87	97	80	86
9	82	66	74	90	81	86	94	86	91	93	84	87
10	86	75	80	96	84	91	96	82	91	94	85	88
11	89	74	81	97	89	92	88	82	86	99	85	91
12	104	77	88	102	88	93	95	84	87	106	92	96
13	111	62	88	92	83	88	94	86	88	110	92	99
14	94	68	78	---	---	---	89	86	87	104	95	99
15	87	71	78	108	87	94	89	85	87	102	97	99
16	102	73	80	---	---	---	89	81	85	104	95	99
17	116	73	90	---	---	---	90	81	85	111	94	100
18	97	81	91	---	---	---	84	78	82	111	96	101
19	117	84	97	90	62	76	84	79	82	107	94	100
20	---	---	---	80	72	75	85	79	81	105	96	100
21	---	---	---	104	73	83	89	79	83	105	95	100
22	104	79	89	113	77	93	88	81	84	106	98	102
23	109	84	95	106	81	93	89	82	85	105	95	100
24	107	90	97	104	76	94	92	83	88	112	94	100
25	101	79	94	93	80	87	90	81	86	101	91	95
26	121	82	98	101	81	90	86	77	82	95	90	92
27	112	83	97	98	90	93	95	82	86	98	90	93
28	106	72	98	101	61	89	104	84	89	96	90	93
29	113	88	97	86	67	80	105	87	93	105	88	96
30	121	88	103	100	79	86	102	82	94	107	98	103
31	120	95	106	---	---	---	99	86	91	104	94	98
MONTH	---	---	---	---	---	---	105	77	87	118	56	95
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	104	93	96	107	93	100	99	74	89	74	25	54
2	98	93	95	99	90	95	106	83	90	81	44	64
3	105	93	101	115	84	97	103	87	95	83	55	71
4	107	99	102	118	86	104	104	94	99	96	64	76
5	103	92	97	111	84	98	94	89	91	96	79	88
6	103	94	99	101	66	84	114	86	96	115	65	93
7	104	91	97	89	68	82	119	86	103	132	77	108
8	94	87	90	77	66	70	115	90	105	116	87	103
9	95	88	91	79	63	70	117	99	107	139	76	110
10	100	89	95	81	66	74	107	90	100	144	99	117
11	110	95	103	87	78	82	112	91	102	149	78	112
12	104	88	96	104	76	88	101	85	91	134	71	96
13	100	89	94	101	87	93	99	77	86	117	64	91
14	108	97	102	102	91	96	106	80	89	114	50	86
15	101	84	95	96	87	92	97	83	91	123	33	74
16	90	83	87	94	78	88	113	87	98	124	37	80
17	94	88	91	95	81	86	116	83	104	142	50	91
18	94	86	90	103	79	91	116	88	104	122	70	95
19	105	84	93	95	78	90	114	80	101	113	69	93
20	118	84	100	98	77	85	122	80	103	131	20	83
21	101	82	93	95	74	82	119	96	105	141	45	87
22	115	92	101	90	73	80	103	85	94	96	34	74
23	108	89	102	94	74	83	113	82	99	104	10	58
24	105	90	99	103	79	89	104	68	90	93	42	64
25	106	89	97	134	82	102	81	64	73	121	42	82
26	97	84	90	132	101	115	89	54	72	123	63	91
27	90	84	88	129	101	118	89	61	79	110	68	88
28	99	84	89	115	92	105	96	67	81	94	70	85
29	122	87	101	97	87	92	93	55	84	86	64	75
30	---	---	---	105	88	96	88	55	71	72	49	63
31	---	---	---	111	82	96	---	---	---	73	52	61
MONTH	122	82	96	134	63	91	122	54	93	149	10	84

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	99	48	76	132	67	100	66	26	53	110	70	91
2	99	71	84	115	58	92	62	32	49	99	77	86
3	114	69	88	128	53	92	67	33	50	113	80	95
4	85	40	67	109	31	72	87	27	54	126	91	103
5	115	55	81	129	30	75	86	40	61	116	91	100
6	95	60	83	96	57	81	86	40	59	99	82	91
7	118	71	89	121	63	87	101	66	82	95	62	78
8	107	54	88	78	18	53	131	71	93	79	42	66
9	119	52	86	134	43	86	130	61	95	98	45	79
10	105	60	84	117	56	96	124	67	91	104	73	87
11	107	73	89	91	49	80	123	56	88	104	87	95
12	91	60	72	97	63	81	92	43	69	111	89	99
13	87	65	74	150	61	97	78	40	67	101	88	95
14	81	56	74	105	76	87	75	60	65	99	87	93
15	82	57	72	133	65	91	71	42	60	110	79	93
16	77	54	68	91	68	80	120	54	83	124	91	104
17	80	60	74	92	59	83	120	62	91	105	65	89
18	95	59	74	84	52	71	110	21	81	88	73	81
19	110	62	84	110	43	75	149	70	101	90	75	81
20	102	64	77	83	54	68	103	33	78	94	79	86
21	90	54	70	135	62	84	83	38	69	104	81	90
22	76	53	65	117	81	105	81	45	70	124	83	97
23	111	61	79	110	18	86	93	66	79	122	93	106
24	119	71	94	102	54	81	88	53	76	112	96	104
25	143	81	106	108	64	81	83	53	65	98	86	93
26	93	56	82	91	70	82	77	55	71	93	75	87
27	129	70	93	104	35	78	97	66	82	94	74	82
28	111	54	75	81	43	63	122	84	96	87	61	76
29	127	50	82	71	19	55	113	59	90	107	66	86
30	123	62	96	70	29	53	93	33	76	102	62	84
31	---	---	---	68	42	51	135	75	98	---	---	---
MONTH	143	40	81	150	18	80	149	21	76	126	42	90

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	113	41	74	112	50	81	105	84	93	111	45	70
2	109	70	94	111	48	81	97	87	94	57	36	44
3	109	75	92	110	54	84	97	89	93	66	33	45
4	---	---	---	112	23	84	94	91	92	50	37	43
5	---	---	---	83	2	47	93	89	91	---	---	---
6	---	---	---	58	5	31	93	88	89	---	---	---
7	68	5	34	84	2	36	93	88	91	---	---	---
8	88	7	51	92	17	76	93	85	89	---	---	---
9	88	70	80	95	71	89	102	74	87	---	---	---
10	92	82	86	98	82	90	100	79	95	---	---	---
11	94	80	85	97	73	86	96	88	94	---	---	---
12	87	54	73	99	63	83	97	90	94	---	---	---
13	84	44	65	96	83	91	102	91	97	---	---	---
14	82	43	65	---	---	---	99	93	96	---	---	---
15	78	58	69	112	79	95	99	92	96	---	---	---
16	92	58	70	---	---	---	98	88	92	---	---	---
17	99	55	70	---	---	---	101	84	92	---	---	---
18	101	44	86	---	---	---	96	79	91	---	---	---
19	112	47	86	79	52	65	97	84	93	---	---	---
20	101	24	66	79	68	74	100	87	95	---	---	---
21	95	32	63	89	62	74	101	90	96	---	---	---
22	106	72	90	91	56	75	99	63	90	---	---	---
23	111	72	94	82	58	71	90	61	71	---	---	---
24	105	74	93	89	49	65	83	60	68	---	---	---
25	98	67	89	89	50	75	89	60	73	---	---	---
26	96	59	79	99	53	85	82	63	74	---	---	---
27	85	55	70	99	48	84	98	59	78	---	---	---
28	99	44	68	95	50	78	97	66	75	---	---	---
29	104	48	87	90	70	83	84	55	70	---	---	---
30	99	58	83	104	81	88	100	54	72	---	---	---
31	102	60	85	---	---	---	97	57	79	88	68	81
MONTH	---	---	---	---	---	---	105	54	87	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	71	83	99	64	85	95	56	83	56	17	37
2	89	78	85	104	70	86	97	78	86	88	28	59
3	96	67	88	131	78	97	97	59	86	92	46	75
4	96	79	90	115	72	92	97	73	91	90	57	78
5	97	81	89	95	51	69	90	81	86	102	33	72
6	96	77	92	111	51	82	96	57	82	82	24	61
7	102	89	95	100	75	86	99	40	81	68	10	35
8	96	88	91	86	74	78	104	42	75	81	11	42
9	96	86	92	87	56	73	100	47	81	74	20	47
10	101	75	92	91	75	84	99	44	79	87	7	48
11	106	69	91	93	76	85	98	49	80	58	1	16
12	109	68	92	106	79	86	94	76	84	33	1	11
13	106	72	96	103	63	87	92	40	73	27	1	6
14	108	67	85	115	81	103	97	67	81	12	1	2
15	109	74	91	103	42	81	89	76	81	13	1	2
16	---	---	---	99	40	59	86	60	73	13	1	2
17	---	---	---	103	57	86	80	35	61	15	1	3
18	---	---	---	98	52	80	81	38	60	16	1	2
19	---	---	---	106	61	93	87	35	59	3	1	1
20	---	---	---	100	64	88	93	40	71	52	1	7
21	118	97	108	105	75	89	90	19	61	20	0	5
22	127	90	110	94	71	82	89	14	60	46	0	3
23	127	91	114	81	60	71	90	22	52	48	0	18
24	120	98	114	99	53	70	98	9	60	68	7	38
25	125	101	114	95	50	72	78	47	62	81	4	55
26	114	102	107	95	34	62	84	13	61	100	7	63
27	109	102	105	95	22	47	90	52	78	101	50	80
28	119	94	103	105	10	66	85	42	70	91	50	74
29	123	90	106	94	50	84	75	34	57	80	43	64
30	---	---	---	95	57	79	77	20	43	68	30	53
31	---	---	---	88	43	62	---	---	---	64	25	50
MONTH	---	---	---	131	10	79	104	9	72	102	0	36

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

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

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