

**0209262905 NEUSE RIVER AT CHANNEL LIGHT 11 NEAR FLANNER BEACH, NC**

Neuse Basin  
Lower Neuse Subbasin

LOCATION.--Lat 34°59'57", long 76°56'35" referenced to North American Datum of 1983, Craven County, NC, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 11.

**WATER-QUALITY RECORDS**

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

COOPERATION.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SALINITY (TOP): Maximum recorded, 23.5 ppt, July 31, 2002; minimum recorded, <0.1 ppt, on many days during the period.

SALINITY (BOTTOM): Maximum recorded, 24.6 ppt, July 31, 2002; minimum recorded, <0.1 ppt, on many days during the period.

pH (TOP): Maximum recorded, 9.9 standard units, March 17, 1999; minimum recorded, 5.7 standard units, February 16, 1998;

pH (BOTTOM): Maximum recorded, 9.6 standard units, April 3, 2004; minimum recorded, 4.3 standard units, August 21, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 33.5°C, August 20, 2005; minimum recorded, 0.6°C, January 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 30.7°C, August 2, 2002, July 28, 29, 2005; minimum recorded, 1.2°C, January 24, 2003.

DISSOLVED OXYGEN (TOP): Maximum recorded, 20.0, February 18, 1992; minimum recorded, <1.0 mg/L, on many days during the period.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 21.2 mg/L, February 20, 1991; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 19.7 ppt, July 19; minimum recorded, 0.04 ppt, November 28, 29.

SALINITY (BOTTOM): Maximum recorded, 22.2 ppt, July 20, 21; minimum recorded, 0.1 ppt, January 7.

pH (TOP): Maximum recorded, 9.6 standard units, March 23; minimum recorded, 6.2 standard units, November 27, 28, 29, 30.

pH (BOTTOM): Maximum recorded, 8.9 standard units, March 25; minimum recorded, 6.4 standard units, April 3, June 24.

WATER TEMPERATURE (TOP): Maximum recorded, 31.9°C, August 9; minimum recorded, 4.2°C, February 6.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 30.5°C, August 10; minimum recorded, 4.4°C, February 6, 7.

DISSOLVED OXYGEN (TOP): Maximum recorded, 14.4 mg/L, May 1; minimum recorded, 0.0 mg/L, June 26.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 12.0 mg/L, March 1; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 189%, August 12; minimum recorded, 0%, June 26.

**0209262905 NEUSE RIVER AT CHANNEL LIGHT 11 NEAR FLANNER BEACH, NC—Continued**

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 132%, October 26; minimum recorded, 0%, on many days during the year.

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>October</b>			<b>November</b>			<b>December</b>			<b>January</b>		
<b>1</b>	6.9	6.0	6.5	6.9	4.3	5.5	1.0	0.4	0.6	1.2	0.4	0.6
<b>2</b>	6.7	5.9	6.3	6.0	3.3	4.7	1.0	0.4	0.7	1.3	0.9	1.2
<b>3</b>	6.2	5.3	5.8	10.2	6.0	8.3	0.5	0.3	0.5	1.3	0.4	0.9
<b>4</b>	7.5	5.7	6.6	10.3	6.5	8.0	1.9	0.4	1.0	0.6	0.1	0.2
<b>5</b>	11.4	6.6	8.9	7.5	5.7	6.8	1.9	0.9	1.2	0.3	0.06	0.1
<b>6</b>	9.3	7.6	8.3	5.9	3.6	4.8	1.7	1.3	1.5	0.5	0.1	0.4
<b>7</b>	9.9	8.8	9.1	5.7	3.6	4.6	1.6	0.9	1.4	0.3	0.09	0.2
<b>8</b>	10.7	9.5	10	6.4	5.6	6.1	3.3	1.6	2.4	0.5	0.1	0.2
<b>9</b>	11.1	9.8	10.5	7.0	5.8	6.6	2.2	1.5	1.9	2.3	0.3	0.8
<b>10</b>	11.0	9.7	10.4	6.2	5.3	5.8	1.7	0.6	0.9	3.5	0.7	2.8
<b>11</b>	10.6	7.9	9.5	7.0	5.2	6.3	0.8	0.4	0.5	1.3	0.7	1.2
<b>12</b>	10.5	7.8	9.6	7.5	4.9	6.4	0.5	0.1	0.3	1.3	0.5	1.0
<b>13</b>	10.6	9.3	10.1	9.2	5.9	7.2	0.4	0.1	0.3	0.9	0.3	0.6
<b>14</b>	10	8.6	9.3	8.0	5.4	6.4	0.3	0.1	0.3	1.0	0.4	0.7
<b>15</b>	9.4	8.3	8.7	7.5	4.1	5.3	0.5	0.3	0.3	2.3	0.8	1.5
<b>16</b>	9.0	8.5	8.8	8.1	3.7	5.8	3.0	0.3	1.0	2.6	0.7	1.6
<b>17</b>	9.0	8.1	8.6	4.9	2.1	3.5	1.3	0.5	0.6	6.4	2.6	5.2
<b>18</b>	8.8	7.8	8.3	4.3	2.3	3.2	1.7	0.4	0.8	3.9	2.2	2.7
<b>19</b>	9.0	8.0	8.5	3.6	2.1	2.6	4.9	1.0	2.1	3.9	1.9	2.7
<b>20</b>	9.3	8.0	8.8	3.9	2.1	2.7	2.4	1.7	2.0	4.2	2.4	3.3
<b>21</b>	9.3	8.6	8.9	11.5	3.3	6.0	2.5	1.9	2.2	3.3	2.7	3.2
<b>22</b>	8.9	7.6	8.3	11.7	5.1	7.7	4.2	2.1	3.1	3.3	2.0	2.8
<b>23</b>	8.6	6.5	7.8	5.8	1.6	3.8	4.1	2.1	3.3	2.5	1.7	2.1
<b>24</b>	9.0	6.6	7.8	1.9	1.0	1.6	2.4	1.8	2.1	1.9	1.2	1.6
<b>25</b>	8.4	7.5	7.8	1.1	0.3	0.6	2.9	2.1	2.4	1.9	1.1	1.5
<b>26</b>	8.0	6.8	7.4	1.6	0.1	0.4	3.4	1.9	2.7	1.9	1.4	1.5
<b>27</b>	7.6	5.8	6.8	1.5	0.1	0.5	4.2	2.1	3.4	2.5	1.1	2.0
<b>28</b>	7.6	7.0	7.2	1.1	0.04	0.4	2.5	0.9	1.6	2.0	0.8	1.3
<b>29</b>	8.3	7.5	7.9	0.6	0.04	0.3	0.9	0.2	0.4	3.2	0.8	2.0
<b>30</b>	8.3	5.9	7.4	0.4	0.1	0.3	0.6	0.3	0.3	3.0	0.9	2.2
<b>31</b>	7.6	4.7	6.3	---	---	---	0.4	0.3	0.3	3.2	1.4	2.0
<b>Month</b>	11.4	4.7	8.3	11.7	0.04	4.4	4.9	0.1	1.4	6.4	0.06	1.6

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	2.0	1.2	1.5	3.9	2.3	3.1	3.3	2.5	3.0	8.6	4.1	5.2
<b>2</b>	1.3	0.8	1.1	3.7	0.2	2.0	4.0	2.3	2.9	11.1	4.8	7.2
<b>3</b>	1.6	0.9	1.2	3.3	1.2	2.1	3.1	2.1	2.5	7.6	5.9	6.7
<b>4</b>	2.0	1.0	1.5	3.5	1.3	2.2	2.7	2.0	2.3	7.9	6.5	7.2
<b>5</b>	2.2	1.3	1.8	3.7	2.7	3.3	3.7	2.7	3.2	7.3	4.8	6.3
<b>6</b>	2.1	1.3	1.6	3.7	2.9	3.3	---	---	---	8.6	5.3	7.0
<b>7</b>	2.8	1.5	2.1	3.0	1.8	2.4	---	---	---	10.3	8.4	9.3
<b>8</b>	2.6	1.6	1.9	2.9	2.0	2.5	---	---	---	9.8	8.1	9.2
<b>9</b>	2.1	1.5	1.8	3.0	1.2	2.4	---	---	---	8.2	6.2	7.3
<b>10</b>	1.7	1.3	1.5	1.2	0.5	0.9	---	---	---	8.0	5.3	6.2
<b>11</b>	1.7	0.8	1.1	0.8	0.3	0.5	5.2	4.3	4.9	6.7	5.4	6.1
<b>12</b>	0.8	0.4	0.7	1.4	0.5	0.9	4.6	3.8	4.2	6.7	5.7	6.3
<b>13</b>	1.6	0.5	0.9	1.3	0.5	0.6	5.1	4.4	4.7	7.1	5.7	6.4
<b>14</b>	1.6	0.6	1.2	1.0	0.6	0.8	5.0	3.8	4.5	7.1	5.8	6.3
<b>15</b>	1.5	0.8	1.1	1.3	0.7	1.0	4.5	2.2	3.5	7.3	5.6	6.3
<b>16</b>	1.4	0.8	1.0	1.3	0.2	0.8	4.5	1.2	2.7	7.6	6.4	7.1
<b>17</b>	1.6	0.7	1.1	2.2	0.7	1.4	4.8	2.2	4.2	7.5	6.4	7.0
<b>18</b>	2.9	0.5	1.6	3.3	1.5	2.2	3.2	2.3	2.9	7.5	6.7	7.2
<b>19</b>	3.9	1.7	2.9	2.8	1.1	1.9	3.1	2.8	2.9	7.0	5.1	6.4
<b>20</b>	4.2	2.5	3.5	1.6	0.9	1.4	2.9	1.6	2.6	6.5	5.1	6.0
<b>21</b>	4.1	2.5	3.4	2.2	1.5	1.8	2.7	0.8	1.2	7.4	6.4	7.0
<b>22</b>	3.2	1.8	2.5	1.8	0.9	1.3	2.0	0.6	1.0	8.1	7.0	7.4
<b>23</b>	4.4	3.0	3.9	1.6	0.6	1.1	2.6	0.7	1.2	8.1	7.1	7.4
<b>24</b>	3.1	2.2	2.6	2.2	1.2	1.5	4.4	1.3	2.3	7.7	7.2	7.5
<b>25</b>	2.9	2.1	2.7	2.3	0.8	1.5	5.4	1.1	2.2	7.2	5.9	6.5
<b>26</b>	2.7	1.9	2.3	2.6	1.4	1.8	5.0	0.9	2.6	6.0	5.3	5.7
<b>27</b>	2.8	1.9	2.5	1.9	1.2	1.4	4.6	0.8	1.8	6.5	4.9	5.6
<b>28</b>	3.0	1.9	2.5	1.7	0.8	1.3	3.2	0.8	1.9	6.7	5.4	6.1
<b>29</b>	---	---	---	2.0	1.2	1.7	3.8	2.3	3.1	7.4	6.2	6.8
<b>30</b>	---	---	---	2.3	1.4	1.8	4.7	3.1	4.0	7.8	6.5	7.2
<b>31</b>	---	---	---	2.5	1.7	2.0	---	---	---	8.2	6.2	7.2
<b>Month</b>	4.4	0.4	1.9	3.9	0.2	1.7	---	---	---	11.1	4.1	6.8

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.9	4.9	5.6	11.7	9.9	10.9	14.3	12.6	13.5	15.7	12.9	14.5
2	6.5	5.6	6.0	11.7	9.5	10.4	13.6	12.8	13.2	14.6	13.8	14.2
3	7.6	6.0	6.6	11.0	9.7	10.3	14.1	12.8	13.5	14.3	13.1	13.8
4	7.3	5.7	6.7	11.2	9.8	10.5	14.3	13.0	13.8	15.3	13.7	14.4
5	7.3	6.8	7.2	11.5	8.8	10.1	14.7	13.9	14.2	15.1	14.1	14.6
6	8.0	7.1	7.5	11.5	10.4	11.1	14.6	13.6	14.2	15.3	14.5	15.0
7	7.5	6.3	6.9	11.9	8.8	11.2	14.4	13.7	14.1	15.9	14.6	15.3
8	8.0	5.5	6.7	11.3	9.2	10.1	14.2	13.9	14.1	15.9	14.9	15.4
9	7.4	5.4	6.9	11.7	10.1	11.0	14.4	13.9	14.1	15.9	13.9	15.2
10	7.7	5.6	7.0	11.3	8.6	10.3	15.2	13.9	14.3	15.2	13.8	14.6
11	8.0	6.4	7.3	13.1	9.7	11.0	15.5	14.3	15.2	15.3	14.1	14.9
12	8.4	5.6	6.3	13.9	9.2	12.0	15.7	13.7	15.3	15.5	14.1	15.0
13	8.1	5.2	7.1	11.7	8.1	9.9	15.4	13.0	13.7	15.3	14.9	15.1
14	7.8	6.4	6.8	12.7	7.4	8.9	13.8	12.8	13.3	15.2	14.1	14.8
15	8.1	6.4	7.3	14.1	8.1	11.7	15.5	13.0	14.5	15.7	14.0	14.8
16	8.7	6.3	7.6	16.2	10.9	13.8	15.7	14.1	14.7	15.8	15.3	15.5
17	7.2	6.4	6.7	16.8	12.1	14.6	15.7	14.3	15.0	15.9	15.2	15.5
18	8.0	6.4	7.2	14.3	10.6	12.6	16.4	14.1	15.6	15.6	14.5	15.2
19	8.8	7.3	7.9	19.7	11.7	14.7	16.5	15.5	16.1	16.2	14.1	15.8
20	9.2	7.3	7.9	18.3	11.5	16.4	16.2	14.4	15.2	15.1	13.9	14.5
21	9.2	8.0	8.7	16.3	13.7	15.0	16.2	14.9	15.6	15.4	13.0	14.1
22	9.5	7.7	8.5	17.6	14.3	16.2	16.4	15.0	15.6	14.9	13.2	13.9
23	8.8	7.4	8.1	16.7	13.8	14.8	16.5	14.3	15.6	14.7	12.8	13.5
24	9.7	7.7	8.7	17.7	13.0	15.2	15.4	14.0	14.9	14.3	13.6	13.8
25	9.7	8.6	9.2	17.5	13.8	14.9	15.5	13.7	14.4	14.9	13.4	14.2
26	9.2	8.4	8.7	15.3	13.1	14.4	14.6	13.3	14.0	14.9	13.3	14.3
27	8.7	8.0	8.5	15.0	13.4	14.1	14.3	12.9	13.6	15.1	12.9	14.3
28	10.0	8.2	8.7	15.1	13.5	14.1	15.1	12.8	14.0	15.1	13.5	14.1
29	10.6	8.6	9.6	14.5	13.8	14.1	13.9	11.8	12.8	15.1	14.5	14.8
30	10.7	9.2	9.8	15.0	14.1	14.4	14.1	11.3	12.1	15.4	14.9	15.1
31	---	---	---	15.0	13.1	14.6	15.0	10.7	13.0	---	---	---
<b>Month</b>	10.7	4.9	7.6	19.7	7.4	12.7	16.5	10.7	14.3	16.2	12.8	14.7

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	14.3	9.8	12.3	11.5	10	10.6	8.6	0.7	5.1	4.7	0.6	3.7
<b>2</b>	14.5	13.1	14.0	12.9	11.5	12.3	11.7	5.8	10.0	3.6	1.1	1.4
<b>3</b>	14.5	13.3	14.1	12.8	7.3	10.0	11.6	0.4	6.6	1.5	1.0	1.2
<b>4</b>	14.0	12.4	13.6	11.7	8.5	11.0	8.1	0.6	2.5	1.3	0.4	1.0
<b>5</b>	14.6	11.4	13.9	11.7	9.5	10.5	10.1	6.9	9.4	4.2	0.4	1.8
<b>6</b>	14.1	9.0	12.9	12.0	7.8	10	9.4	2.2	7.0	4.5	0.3	1.7
<b>7</b>	13.3	8.8	10.4	11.0	9.2	10.4	7.5	1.2	4.7	7.1	0.1	4.5
<b>8</b>	12.4	9.9	10.8	10.3	7.0	9.5	5.0	1.6	3.7	6.5	0.2	2.7
<b>9</b>	11.1	10.1	10.7	10.1	7.1	9.2	6.9	4.4	5.6	7.2	0.5	5.1
<b>10</b>	11.1	10.1	10.6	11.1	10	10.6	7.2	6.4	6.8	3.5	2.4	3.2
<b>11</b>	10.7	9.9	10.5	10.6	9.7	10.3	7.8	6.4	7.4	2.7	1.2	1.8
<b>12</b>	11.5	10.5	11.0	11.0	5.0	8.1	9.1	7.8	8.6	2.8	1.2	1.9
<b>13</b>	11.1	9.8	10.5	10.7	7.1	9.6	8.6	7.6	7.9	3.9	1.2	2.2
<b>14</b>	10.2	9.0	9.8	10.4	9.6	10.0	9.3	7.3	8.4	5.9	2.5	4.4
<b>15</b>	10.0	9.4	9.8	11.0	10.0	10.5	9.8	9.2	9.5	6.6	5.7	6.0
<b>16</b>	9.7	8.8	9.0	10.9	5.5	8.2	10.1	9.8	10.0	8.5	2.3	7.1
<b>17</b>	9.1	8.8	8.9	10.5	7.7	9.1	10.0	9.8	9.9	8.6	4.9	6.4
<b>18</b>	9.7	8.1	9.2	13.1	10.5	11.9	10.4	10	10.1	5.0	2.7	4.3
<b>19</b>	9.8	9.2	9.6	13.5	12.5	13.3	10.7	10.2	10.5	8.9	2.8	5.5
<b>20</b>	9.8	8.8	9.3	13.6	7.1	13.2	10.5	10.1	10.3	4.3	2.7	3.4
<b>21</b>	9.3	8.7	9.1	12.5	3.9	6.8	10.4	8.4	10.1	4.0	3.2	3.4
<b>22</b>	8.9	8.6	8.8	11.7	5.5	8.4	10.0	6.5	9.5	3.2	2.4	2.9
<b>23</b>	9.3	7.0	8.4	5.7	3.6	4.9	9.2	3.9	7.0	3.1	2.3	2.7
<b>24</b>	9.4	6.6	8.0	9.3	1.9	5.5	10.2	8.4	9.3	3.5	1.9	2.8
<b>25</b>	9.6	8.6	9.2	10	2.2	9.4	9.8	2.3	6.9	3.7	1.5	2.5
<b>26</b>	10.9	7.8	8.7	9.6	0.6	8.2	7.5	3.6	5.6	4.8	1.5	2.7
<b>27</b>	11.0	8.6	10.6	8.5	0.7	6.3	6.5	3.7	4.2	4.8	2.1	3.8
<b>28</b>	10.2	7.0	7.5	8.3	1.6	6.4	4.6	3.6	4.1	4.4	1.4	3.4
<b>29</b>	8.5	7.6	8.1	8.1	1.9	6.1	5.6	3.8	5.0	3.3	1.6	2.6
<b>30</b>	8.7	8.2	8.5	9.5	5.7	7.7	5.9	5.1	5.6	5.1	3.1	4.3
<b>31</b>	10.1	8.6	9.1	---	---	---	6.0	2.4	4.8	4.7	1.8	3.0
<b>Month</b>	14.6	6.6	10.2	13.6	0.6	9.3	11.7	0.4	7.3	8.9	0.1	3.3

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	3.8	1.3	2.6	4.0	3.0	3.5	7.5	5.6	6.5	14.6	13.5	14.1
<b>2</b>	6.2	1.2	3.0	3.9	0.2	2.3	7.9	6.3	7.3	14.3	12.2	13.7
<b>3</b>	6.5	1.5	4.6	4.3	2.7	3.8	7.8	6.3	7.1	13.6	8.2	12.3
<b>4</b>	7.2	4.9	6.7	3.8	1.7	2.9	7.2	6.0	6.5	9.3	7.5	8.3
<b>5</b>	7.1	1.4	3.6	3.9	3.3	3.5	9.3	3.2	5.7	9.0	7.5	8.4
<b>6</b>	4.8	1.3	2.1	3.7	3.0	3.4	---	---	---	9.6	6.7	7.9
<b>7</b>	6.5	1.5	3.1	3.3	1.8	2.7	---	---	---	10.5	8.5	9.5
<b>8</b>	2.9	1.8	2.3	2.9	2.2	2.6	---	---	---	10.2	8.3	9.7
<b>9</b>	2.5	1.6	2.1	3.8	2.3	3.1	---	---	---	9.8	8.0	9.1
<b>10</b>	2.0	1.3	1.6	3.7	0.8	2.6	---	---	---	9.8	9.3	9.6
<b>11</b>	2.2	1.2	1.6	3.8	0.8	2.8	6.0	4.4	5.2	9.6	8.8	9.3
<b>12</b>	2.6	1.8	2.2	2.6	0.9	1.4	4.7	3.9	4.3	9.3	8.8	9.1
<b>13</b>	3.0	1.2	2.2	2.7	0.8	1.5	5.1	4.5	4.8	9.5	6.6	8.0
<b>14</b>	1.6	0.6	1.2	3.0	1.2	2.3	5.2	4.4	4.9	8.3	7.1	7.9
<b>15</b>	1.5	1.0	1.2	3.5	1.7	2.8	4.5	2.1	3.5	8.1	6.7	7.7
<b>16</b>	5.3	0.9	1.4	3.5	0.2	2.2	4.5	1.2	2.7	8.1	6.5	7.4
<b>17</b>	5.8	2.4	4.2	6.3	0.7	2.3	4.8	4.2	4.5	8.3	6.8	7.6
<b>18</b>	5.2	1.3	3.5	3.4	1.7	2.7	4.7	3.0	3.5	7.5	6.8	7.2
<b>19</b>	6.1	3.0	3.9	5.3	2.1	3.4	3.7	2.8	3.0	7.6	6.7	7.3
<b>20</b>	6.1	4.0	5.2	6.5	5.3	6.2	2.9	2.6	2.8	8.8	7.6	8.4
<b>21</b>	5.6	3.9	4.7	7.0	2.0	5.3	6.2	2.8	5.2	8.7	6.9	8.2
<b>22</b>	7.3	2.9	5.1	7.5	5.0	7.0	6.3	5.2	5.9	8.1	7.0	7.4
<b>23</b>	6.1	3.3	4.1	7.3	4.7	6.6	6.4	5.6	6.2	8.2	7.2	7.6
<b>24</b>	5.6	2.6	3.8	7.8	6.2	7.3	6.8	6.0	6.5	7.8	7.5	7.6
<b>25</b>	6.4	2.9	5.2	8.0	1.8	6.3	7.3	5.7	6.9	8.1	6.7	7.4
<b>26</b>	6.6	3.2	5.4	7.8	2.3	6.4	9.3	6.0	8.2	8.0	7.0	7.5
<b>27</b>	6.8	2.7	5.0	8.1	6.0	7.3	8.5	1.4	6.5	8.0	7.3	7.8
<b>28</b>	4.6	2.4	3.2	8.7	7.6	8.4	13.9	7.5	9.7	8.0	7.3	7.7
<b>29</b>	---	---	---	8.5	1.7	4.3	14.3	13.3	14.0	10.9	7.7	9.4
<b>30</b>	---	---	---	7.3	2.6	5.1	14.5	14.0	14.3	10.4	7.6	8.7
<b>31</b>	---	---	---	6.6	4.4	5.8	---	---	---	8.6	7.5	8.2
<b>Month</b>	7.3	0.6	3.4	8.7	0.2	4.1	---	---	---	14.6	6.5	8.7

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
<b>1</b>	8.5	7.6	8.0	16.7	11.3	15.2	16.1	15.5	15.8	17.3	14.9	16.6
<b>2</b>	8.5	6.4	7.7	12.6	11.6	12.1	15.8	13.6	15.1	16.7	15.1	16.2
<b>3</b>	7.6	6.3	7.0	13.5	11.0	12.6	15.3	15.0	15.2	16.0	13.7	15.0
<b>4</b>	7.4	5.7	6.7	12.4	11.1	12.1	16.1	15.1	15.7	15.4	14.3	15.0
<b>5</b>	7.5	6.9	7.2	12.4	11.2	12.0	15.9	15.5	15.8	15.7	14.7	15.3
<b>6</b>	12.4	7.3	8.6	12.0	11.1	11.7	15.8	14.5	15.2	15.5	14.9	15.1
<b>7</b>	12.4	9.3	11.4	12.6	11.7	12.1	15.5	14.9	15.2	15.8	15.1	15.4
<b>8</b>	12.2	9.2	11.2	13.6	11.5	12.7	15.4	14.2	14.8	16.2	15.2	15.7
<b>9</b>	13.5	11.7	12.7	14.5	13.6	14.1	16.1	14.1	15.5	15.8	13.9	15.1
<b>10</b>	13.0	9.2	12.2	14.3	11.1	13.6	16.1	14.3	15.2	15.4	13.8	14.7
<b>11</b>	12.6	8.8	10.8	16.8	13.7	15.3	15.5	14.6	15.3	15.1	13.9	14.8
<b>12</b>	13.2	9.9	12.6	18.0	13.6	16.8	15.9	15.4	15.6	15.7	13.9	15.1
<b>13</b>	13.1	7.9	10.2	18.6	16.1	17.9	17.7	15.7	16.5	15.2	14.9	15.1
<b>14</b>	9.8	6.5	8.0	19.2	18.0	18.8	18.2	16.9	17.8	15.1	14.9	15.0
<b>15</b>	9.5	7.5	8.7	18.7	17.1	18.2	18.0	16.2	17.2	15.7	14.1	15.0
<b>16</b>	10.8	8.9	9.7	18.7	17.2	18.0	17.3	15.7	16.8	15.7	15.3	15.5
<b>17</b>	11.4	9.5	11.0	19.2	18.1	18.6	16.9	14.9	16.1	15.8	15.3	15.5
<b>18</b>	11.3	10.2	11.2	20.3	17.5	19.2	16.6	14.8	15.9	16.0	14.6	15.4
<b>19</b>	12.0	11.0	11.6	21.8	20.3	21.2	16.5	15.5	16.1	16.5	15.6	16.0
<b>20</b>	12.5	11.0	12.1	22.2	19.6	21.3	16.9	15.5	16.1	16.6	15.5	16.3
<b>21</b>	13.4	11.3	12.5	22.2	17.3	20.2	16.7	15.0	16.0	16.7	15.7	16.1
<b>22</b>	14.1	13.2	13.8	21.4	17.0	18.0	16.3	15.5	15.9	16.5	15.7	16.1
<b>23</b>	14.0	12.9	13.5	20.5	15.3	17.8	16.6	16.2	16.4	16.9	16.0	16.6
<b>24</b>	13.1	10.1	11.6	19.6	18.1	18.9	16.7	15.6	16.5	16.9	13.9	15.1
<b>25</b>	10.8	10.2	10.4	18.4	17.3	18.1	17.1	16.5	16.8	15.3	14.5	14.9
<b>26</b>	11.3	10.1	10.6	17.9	15.5	17.0	17.5	16.5	17.1	15.5	14.9	15.4
<b>27</b>	11.5	10.4	10.9	17.7	16.5	17.0	17.7	16.6	17.5	15.5	15.1	15.2
<b>28</b>	12.8	10.6	11.6	17.6	16.5	17.1	17.6	14.8	16.1	16.5	14.3	15.4
<b>29</b>	14.0	11.1	13.0	17.4	15.7	16.8	16.5	15.3	16.0	15.0	14.5	14.8
<b>30</b>	16.3	13.4	14.9	16.5	15.1	16.1	16.7	15.5	16.3	15.3	14.8	15.0
<b>31</b>	---	---	---	15.8	15.2	15.5	17.3	15.6	16.8	---	---	---
<b>Month</b>	16.3	5.7	10.7	22.2	11.0	16.3	18.2	13.6	16.1	17.3	13.7	15.4

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.4	7.7	8.0	8.9	8.5	8.7	6.7	6.4	6.5	6.9	6.6	6.7
2	8.4	7.8	8.0	8.7	8.0	8.3	6.7	6.6	6.7	7.0	6.7	6.8
3	8.7	8.0	8.2	8.1	7.6	7.9	6.8	6.6	6.7	7.0	6.8	6.9
4	8.9	7.9	8.3	8.1	7.7	7.9	6.9	6.7	6.8	6.8	6.6	6.6
5	8.6	7.0	7.7	8.3	7.9	8.0	7.0	6.8	6.9	6.6	6.4	6.6
6	8.6	7.5	7.8	8.1	7.8	7.9	7.0	6.8	7.0	6.8	6.6	6.7
7	8.0	7.4	7.5	8.2	7.8	7.9	7.0	6.8	7.0	6.7	6.6	6.7
8	7.6	7.4	7.5	8.3	7.8	8.1	7.1	6.8	7.0	6.9	6.7	6.8
9	7.8	7.5	7.6	8.2	7.8	8.0	7.0	6.9	7.0	7.0	6.8	6.9
10	7.9	7.6	7.7	8.4	7.7	7.8	7.0	6.8	6.9	7.2	6.9	7.1
11	8.4	7.6	7.9	8.3	7.4	7.7	6.8	6.7	6.8	7.1	7.0	7.1
12	8.3	7.8	8.2	7.5	7.2	7.4	6.8	6.6	6.7	7.1	7.0	7.1
13	8.6	7.8	8.2	7.6	7.3	7.5	6.8	6.6	6.7	7.1	6.9	7.0
14	8.4	8.1	8.3	7.8	7.4	7.5	6.8	6.6	6.8	7.1	7.0	7.0
15	8.8	8.2	8.6	8.2	7.5	7.7	6.9	6.7	6.8	7.2	7.0	7.1
16	8.9	8.5	8.7	7.7	7.4	7.4	6.9	6.7	6.8	7.1	6.8	7.0
17	8.8	8.5	8.6	8.1	7.4	7.5	6.9	6.8	6.9	7.1	7.0	7.1
18	8.9	8.3	8.4	7.7	7.2	7.3	7.2	6.8	6.9	7.1	7.1	7.1
19	8.9	8.5	8.6	7.4	7.0	7.2	7.0	6.8	6.9	7.3	7.1	7.2
20	8.8	7.9	8.3	7.3	6.9	7.2	7.3	7.0	7.1	7.3	7.1	7.2
21	8.7	8.1	8.5	8.1	7.3	7.7	7.4	7.1	7.2	7.2	7.1	7.2
22	8.7	8.4	8.5	7.7	7.5	7.7	7.4	7.2	7.3	7.2	7.2	7.2
23	8.6	8.2	8.4	7.5	7.1	7.2	7.3	7.1	7.2	7.2	7.1	7.2
24	8.5	8.1	8.3	7.1	6.8	6.9	7.3	7.2	7.2	7.3	7.1	7.2
25	8.6	8.3	8.4	6.8	6.3	6.5	7.3	7.2	7.2	7.3	7.1	7.2
26	8.8	8.4	8.6	6.6	6.3	6.4	7.2	7.1	7.2	7.3	7.2	7.2
27	8.8	8.5	8.7	6.5	6.2	6.3	7.5	7.2	7.3	7.5	7.3	7.4
28	8.5	8.0	8.3	6.4	6.2	6.3	7.3	7.0	7.2	7.4	7.2	7.3
29	8.5	8.2	8.3	6.4	6.2	6.3	7.1	6.6	6.8	7.4	7.3	7.3
30	8.9	8.2	8.5	6.4	6.2	6.3	6.8	6.6	6.6	7.4	7.3	7.4
31	8.8	8.4	8.6	---	---	---	6.7	6.5	6.6	7.4	7.3	7.3
<b>Max</b>	8.9	8.5	8.7	8.9	8.5	8.7	7.5	7.2	7.3	7.5	7.3	7.4
<b>Min</b>	7.6	7.0	7.5	6.4	6.2	6.3	6.7	6.4	6.5	6.6	6.4	6.6



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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.4	7.3	7.3	9.0	8.0	8.3	8.9	8.1	8.3	9.4	7.6	8.7
2	7.3	7.2	7.3	8.6	7.8	7.9	8.9	7.8	8.4	8.4	7.3	7.7
3	7.3	7.2	7.3	8.3	7.8	8.0	9.2	8.3	8.9	8.6	8.0	8.4
4	7.4	7.2	7.3	8.5	7.9	8.1	9.0	8.3	8.6	8.4	8.0	8.1
5	7.4	7.3	7.3	8.8	8.1	8.5	9.1	8.1	8.3	8.5	7.9	8.1
6	7.4	7.2	7.3	8.7	8.2	8.5	---	---	---	8.2	7.6	7.9
7	7.4	7.3	7.3	8.6	8.3	8.5	---	---	---	7.7	7.5	7.6
8	7.3	7.3	7.3	8.7	8.4	8.5	---	---	---	7.9	7.6	7.7
9	7.3	7.3	7.3	9.0	8.4	8.6	---	---	---	8.1	7.7	7.8
10	7.3	7.3	7.3	8.6	8.2	8.3	---	---	---	8.1	7.6	7.9
11	7.3	7.3	7.3	8.7	8.2	8.5	8.7	7.9	8.0	8.2	7.3	7.9
12	7.3	7.3	7.3	9.1	8.4	8.7	8.4	7.7	8.1	8.2	7.6	7.9
13	7.4	7.3	7.3	9.0	8.3	8.5	8.6	7.9	8.2	8.0	7.5	7.8
14	7.3	7.2	7.3	9.3	8.5	8.6	8.8	8.4	8.7	7.9	7.3	7.5
15	7.4	7.3	7.3	8.9	8.2	8.7	8.8	7.6	8.3	7.8	7.2	7.5
16	7.4	7.3	7.4	8.3	8.0	8.1	7.6	7.4	7.5	7.5	7.2	7.4
17	7.5	7.4	7.4	8.2	8.0	8.1	7.6	7.3	7.4	7.5	7.3	7.3
18	7.5	7.2	7.4	8.5	8.1	8.2	7.8	7.4	7.6	7.5	7.2	7.3
19	7.5	7.2	7.3	9.3	8.2	8.8	8.1	7.4	7.6	8.0	7.3	7.5
20	7.5	7.4	7.4	9.2	8.5	8.8	8.3	7.7	8.0	8.3	7.6	7.9
21	7.6	7.4	7.5	9.3	8.9	9.0	8.2	7.4	7.8	8.4	7.6	7.9
22	7.7	7.5	7.6	9.5	8.6	9.2	8.6	7.5	7.7	7.9	7.6	7.7
23	7.8	7.7	7.7	9.6	9.0	9.2	8.8	7.2	7.6	8.0	7.7	7.8
24	7.8	7.8	7.8	9.5	8.6	9.0	7.5	7.0	7.2	7.9	7.7	7.8
25	7.8	7.8	7.8	9.4	8.6	9.1	7.4	7.0	7.3	8.1	7.4	7.8
26	8.0	7.7	7.8	9.2	8.4	8.7	7.6	7.0	7.3	8.4	7.5	8.0
27	8.1	7.9	8.0	9.1	8.3	8.6	7.8	7.1	7.5	8.6	7.1	8.2
28	8.3	8.0	8.1	8.9	8.0	8.4	8.4	7.3	7.6	8.5	7.5	7.8
29	---	---	---	8.7	8.2	8.4	8.9	7.7	8.3	8.7	7.4	7.8
30	---	---	---	9.1	7.9	8.3	9.2	8.7	9.0	8.4	8.0	8.1
31	---	---	---	9.3	8.2	8.7	---	---	---	8.3	7.7	8.1
<b>Max</b>	8.3	8.0	8.1	9.6	9.0	9.2	---	---	---	9.4	8.0	8.7
<b>Min</b>	7.3	7.2	7.3	8.2	7.8	7.9	---	---	---	7.5	7.1	7.3

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.3	7.7	8.1	8.1	7.8	8.0	8.4	8.0	8.2	8.8	8.3	8.6
2	8.3	7.7	8.0	8.2	7.9	8.0	8.3	8.2	8.3	8.7	8.5	8.6
3	7.9	7.6	7.7	8.3	7.9	8.1	8.5	8.1	8.2	8.8	8.2	8.6
4	8.1	7.6	7.9	8.3	7.9	8.1	8.6	8.1	8.3	8.8	8.4	8.6
5	8.1	7.7	8.0	8.2	7.6	8.0	8.5	8.1	8.3	8.8	8.3	8.6
6	8.6	7.8	8.1	8.1	7.6	7.8	8.4	8.0	8.3	8.6	8.2	8.3
7	8.4	8.1	8.3	8.4	7.7	7.9	8.6	7.8	8.1	8.3	8.0	8.2
8	8.4	7.9	8.1	8.3	7.4	7.9	8.5	8.1	8.3	8.2	8.0	8.2
9	8.4	7.6	7.9	8.3	7.7	7.9	8.4	8.0	8.3	8.2	8.1	8.2
10	8.4	7.8	8.1	8.0	7.6	7.8	8.2	7.5	7.9	8.2	7.6	8.1
11	8.4	7.5	8.0	7.8	7.5	7.7	8.1	7.7	7.9	8.5	8.0	8.2
12	8.7	7.6	8.3	8.3	7.4	7.8	8.4	7.7	7.8	8.3	7.7	8.0
13	8.6	8.3	8.5	8.4	7.8	8.2	8.4	7.9	8.2	8.2	7.6	8.0
14	8.5	8.0	8.1	8.5	7.8	8.3	8.5	8.0	8.2	8.2	8.0	8.1
15	8.2	7.7	8.0	8.3	7.6	8.0	8.5	8.1	8.3	8.3	7.9	8.1
16	8.4	7.8	8.0	8.0	7.3	7.7	8.2	7.6	8.0	8.2	8.1	8.2
17	8.4	7.7	8.0	7.9	7.3	7.6	8.0	7.4	7.7	8.2	8.1	8.2
18	8.4	7.4	7.7	8.1	7.6	7.9	8.3	7.5	8.1	8.2	8.1	8.1
19	8.2	7.2	7.5	8.1	7.2	7.7	8.2	7.8	8.0	8.1	8.1	8.1
20	7.8	7.1	7.4	7.9	7.3	7.6	8.2	7.8	7.9	8.1	7.9	8.0
21	7.9	7.3	7.6	7.8	7.4	7.6	8.2	7.6	8.0	8.1	7.9	8.0
22	8.2	7.2	7.6	7.9	7.6	7.8	8.4	7.8	8.1	8.1	7.9	8.0
23	8.1	7.2	7.7	7.9	7.6	7.8	8.4	7.9	8.2	8.3	7.8	8.0
24	8.0	7.4	7.7	8.0	7.5	7.8	8.4	8.2	8.2	8.3	8.0	8.2
25	8.0	7.5	7.8	8.0	7.6	8.0	8.6	8.0	8.3	8.2	8.0	8.1
26	8.1	7.1	7.5	8.4	7.4	8.2	8.5	7.8	8.2	8.3	8.1	8.2
27	8.2	7.2	7.5	8.3	8.2	8.3	8.3	7.7	8.1	8.3	7.8	8.1
28	8.2	7.4	7.8	8.2	8.1	8.2	8.5	7.9	8.3	8.2	7.8	8.0
29	7.8	7.3	7.6	8.2	8.0	8.1	8.6	8.1	8.3	8.0	7.8	8.0
30	8.0	7.5	7.7	8.2	8.0	8.1	8.8	8.0	8.4	8.0	7.6	7.8
31	---	---	---	8.3	8.0	8.1	8.8	8.2	8.5	---	---	---
<b>Max</b>	8.7	8.3	8.5	8.5	8.2	8.3	8.8	8.2	8.5	8.8	8.5	8.6
<b>Min</b>	7.8	7.1	7.4	7.8	7.2	7.6	8.0	7.4	7.7	8.0	7.6	7.8

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

**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.2	6.9	7.0	7.3	7.2	7.2	7.1	6.6	6.9	7.0	6.8	6.9
2	7.2	7.0	7.1	7.3	7.2	7.2	7.2	6.9	7.1	7.1	6.8	6.9
3	7.2	7.0	7.1	7.9	7.2	7.7	7.3	6.7	7.1	7.1	6.9	7.0
4	7.2	6.9	7.1	8.0	7.4	7.7	7.0	6.8	6.9	7.0	6.7	6.9
5	7.2	6.9	7.1	8.0	7.5	7.9	7.2	7.0	7.1	6.8	6.6	6.8
6	7.7	7.0	7.1	8.1	7.4	7.8	7.1	6.9	7.0	6.9	6.6	6.8
7	7.7	7.1	7.5	8.0	7.5	7.6	7.0	6.8	6.9	7.0	6.7	6.9
8	7.6	7.1	7.4	7.8	7.3	7.4	7.1	6.8	7.0	6.9	6.6	6.9
9	7.9	7.5	7.5	8.2	7.2	7.4	7.2	7.1	7.2	7.1	6.7	6.9
10	7.9	7.6	7.7	7.3	7.1	7.2	7.2	7.1	7.2	7.2	7.0	7.2
11	7.8	7.6	7.7	7.2	6.9	7.0	7.2	7.1	7.1	7.2	7.0	7.2
12	8.2	7.1	7.5	7.4	6.9	7.0	7.1	7.0	7.1	7.2	7.0	7.2
13	8.4	7.3	7.8	7.5	7.2	7.3	7.1	7.0	7.1	7.2	6.9	7.1
14	8.4	8.1	8.2	7.3	7.2	7.3	7.1	7.0	7.0	7.2	6.9	6.9
15	8.5	8.2	8.4	7.4	7.2	7.3	7.2	7.1	7.1	6.9	6.9	6.9
16	8.8	8.3	8.6	7.5	7.2	7.4	7.2	7.1	7.1	7.0	6.8	6.9
17	8.6	8.4	8.5	7.4	7.3	7.4	7.1	7.1	7.1	7.2	6.8	7.1
18	8.5	7.6	7.9	7.4	7.3	7.4	7.2	7.1	7.1	7.4	7.1	7.2
19	8.3	7.5	7.7	7.4	7.4	7.4	7.2	7.1	7.2	7.4	6.9	7.1
20	8.4	7.3	8.0	7.4	7.2	7.3	7.1	7.1	7.1	7.4	7.2	7.2
21	8.7	8.0	8.3	8.1	7.2	7.7	7.1	7.0	7.1	7.3	7.2	7.3
22	8.6	8.0	8.4	7.7	7.4	7.6	7.1	6.9	7.0	7.3	7.2	7.2
23	8.6	8.1	8.4	7.4	7.2	7.3	7.3	6.9	7.0	7.3	7.2	7.2
24	---	---	---	7.5	7.0	7.3	7.0	6.9	6.9	7.3	7.2	7.2
25	8.4	8.2	8.3	7.5	7.0	7.4	7.3	6.9	7.0	7.3	7.2	7.2
26	8.5	7.5	8.4	7.5	6.5	7.4	7.3	6.9	7.1	7.4	7.2	7.3
27	8.2	7.4	7.6	7.4	6.5	7.2	7.5	7.1	7.4	7.5	7.3	7.4
28	8.5	7.4	8.3	7.2	6.6	7.1	7.5	7.2	7.3	7.4	7.2	7.3
29	8.5	8.0	8.3	7.2	6.6	7.0	7.3	7.1	7.2	7.4	7.3	7.3
30	8.5	8.0	8.2	7.2	6.9	7.1	7.2	7.1	7.1	7.3	7.2	7.3
31	8.2	7.3	7.9	---	---	---	7.2	6.8	7.1	7.4	7.2	7.3
<b>Max</b>	---	---	---	8.2	7.5	7.9	7.5	7.2	7.4	7.5	7.3	7.4
<b>Min</b>	---	---	---	7.2	6.5	7.0	7.0	6.6	6.9	6.8	6.6	6.8

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
1	7.3	7.2	7.3	8.3	7.3	7.7	7.0	6.7	6.8	7.5	6.6	7.4
2	---	---	---	7.9	7.2	7.4	7.1	6.8	6.9	6.9	6.6	6.7
3	---	---	---	7.7	7.3	7.4	7.0	6.4	6.6	7.6	6.6	6.6
4	---	---	---	7.9	7.4	7.6	7.0	6.5	6.7	8.0	6.8	7.6
5	---	---	---	8.2	7.7	7.9	7.9	7.0	7.2	7.7	7.2	7.5
6	---	---	---	8.1	7.6	8.0	---	---	---	7.8	6.9	7.6
7	---	---	---	8.0	7.7	7.8	---	---	---	8.1	7.4	7.6
8	---	---	---	8.1	7.7	7.8	---	---	---	7.9	7.6	7.6
9	---	---	---	8.5	7.8	8.0	---	---	---	7.8	7.5	7.6
10	---	---	---	8.4	7.6	8.0	---	---	---	7.8	7.5	7.6
11	---	---	---	7.9	7.3	7.7	8.0	6.7	7.8	7.7	7.4	7.5
12	---	---	---	8.4	7.3	8.0	8.5	7.4	7.8	7.7	7.2	7.4
13	---	---	---	8.4	7.0	8.0	8.6	7.9	8.2	8.3	7.3	7.8
14	---	---	---	8.2	6.9	7.1	8.8	8.2	8.5	8.1	7.7	7.8
15	---	---	---	7.3	6.9	7.0	8.7	7.6	8.3	7.9	7.1	7.7
16	---	---	---	7.6	6.9	7.0	7.6	7.4	7.5	7.7	7.1	7.2
17	---	---	---	7.6	6.9	7.4	7.5	7.3	7.4	7.6	7.1	7.4
18	---	---	---	7.8	7.4	7.5	7.7	7.4	7.5	7.6	7.1	7.5
19	---	---	---	8.0	6.9	7.5	8.1	7.4	7.6	7.5	7.3	7.4
20	---	---	---	7.1	6.9	7.0	8.3	7.7	8.0	7.4	7.2	7.2
21	---	---	---	8.2	6.9	7.0	8.3	7.0	7.1	8.1	7.0	7.1
22	---	---	---	7.2	6.9	6.9	7.2	7.0	7.0	8.0	7.6	7.8
23	7.2	6.8	7.1	7.2	6.9	6.9	7.1	6.9	7.0	8.0	7.7	7.9
24	7.2	7.0	7.1	7.0	6.8	6.9	7.0	6.9	6.9	8.0	7.6	7.8
25	7.2	6.9	7.0	8.9	6.8	6.9	7.2	6.9	7.1	8.1	7.4	7.8
26	7.1	6.8	6.9	8.4	6.8	6.9	7.2	7.0	7.1	7.7	7.2	7.4
27	7.3	6.8	6.9	7.0	6.8	6.9	7.6	7.0	7.1	7.6	7.1	7.3
28	7.6	6.9	7.3	6.9	6.8	6.9	7.4	7.1	7.3	7.7	7.2	7.4
29	---	---	---	8.2	6.7	7.8	7.5	7.3	7.4	7.4	7.1	7.2
30	---	---	---	7.6	6.8	7.1	7.5	7.4	7.4	8.0	6.8	7.2
31	---	---	---	7.1	6.9	6.9	---	---	---	7.8	7.1	7.5
<b>Max</b>	---	---	---	8.9	7.8	8.0	---	---	---	8.3	7.7	7.9
<b>Min</b>	---	---	---	6.9	6.7	6.9	---	---	---	6.9	6.6	6.6

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

**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.8	7.0	7.2	7.8	7.0	7.0	8.1	7.4	7.8	8.4	7.9	8.1
2	8.0	6.9	7.0	7.9	7.4	7.6	8.0	7.3	7.7	8.5	7.9	8.2
3	7.8	7.5	7.6	8.0	7.0	7.3	7.8	7.5	7.7	8.6	8.2	8.4
4	8.0	7.5	7.6	7.9	7.2	7.6	7.8	7.4	7.7	8.8	8.0	8.4
5	8.0	7.6	7.8	7.4	7.0	7.2	7.8	7.5	7.6	8.7	8.1	8.5
6	8.1	7.1	7.7	7.5	7.2	7.3	8.1	7.4	7.7	8.7	8.3	8.5
7	7.3	7.0	7.1	7.9	7.0	7.2	8.0	7.5	7.8	8.5	8.2	8.4
8	7.2	7.0	7.1	7.4	6.9	7.1	8.2	7.4	7.8	8.4	8.2	8.3
9	7.2	7.0	7.1	7.3	6.9	7.1	8.0	7.2	7.3	8.3	8.1	8.3
10	7.4	7.0	7.1	7.2	6.8	6.9	8.2	7.2	7.6	8.3	8.0	8.2
11	8.2	7.0	7.2	7.2	6.9	7.1	8.2	7.5	7.8	8.5	7.9	8.2
12	7.4	7.1	7.2	7.5	7.1	7.2	8.1	7.9	8.0	8.4	7.8	8.1
13	8.5	7.2	7.9	7.5	7.2	7.3	8.0	7.6	7.9	8.3	7.7	8.1
14	8.3	7.1	8.1	7.5	7.2	7.3	8.1	7.4	7.7	8.3	8.0	8.1
15	8.2	7.6	7.7	7.3	7.1	7.2	8.3	7.4	7.7	8.3	7.9	8.0
16	7.9	6.9	7.2	7.3	7.1	7.2	8.2	7.6	7.9	8.2	8.1	8.2
17	7.1	6.8	6.9	7.4	7.1	7.2	8.2	7.5	7.9	8.3	8.1	8.3
18	7.1	6.8	6.9	7.3	7.1	7.2	8.5	7.6	8.0	8.3	8.2	8.2
19	7.0	6.8	6.9	7.4	7.3	7.3	8.3	7.9	8.2	8.2	8.2	8.2
20	6.9	6.8	6.8	7.4	7.1	7.4	8.3	7.8	8.0	8.2	8.0	8.1
21	6.9	6.7	6.8	7.7	7.1	7.4	8.2	7.8	8.1	8.1	7.8	8.0
22	7.0	6.7	6.8	7.9	7.4	7.7	8.3	7.8	8.0	8.0	7.5	7.7
23	7.0	6.6	6.8	7.9	7.4	7.7	8.3	8.0	8.1	7.8	7.6	7.7
24	7.6	6.4	7.0	7.8	7.5	7.6	8.2	7.8	8.0	8.3	7.5	7.7
25	8.0	7.1	7.5	7.9	7.6	7.7	7.9	7.6	7.8	8.4	8.0	8.2
26	7.4	6.7	7.1	8.0	7.0	7.5	7.7	7.5	7.6	8.3	7.8	8.0
27	7.2	6.7	7.0	7.5	6.9	7.2	7.7	7.5	7.6	8.1	7.5	7.8
28	7.0	6.8	6.8	7.4	7.0	7.1	8.3	7.5	8.1	8.0	7.3	7.7
29	7.0	6.8	6.8	7.3	7.0	7.1	8.3	7.7	8.1	8.4	7.7	8.3
30	7.0	6.9	7.0	7.8	7.0	7.1	8.4	8.0	8.3	8.2	7.9	8.2
31	---	---	---	8.1	7.6	7.9	8.4	8.0	8.1	---	---	---
<b>Max</b>	8.5	7.6	8.1	8.1	7.6	7.9	8.5	8.0	8.3	8.8	8.3	8.5
<b>Min</b>	6.9	6.4	6.8	7.2	6.8	6.9	7.7	7.2	7.3	7.8	7.3	7.7

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

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	24.0	22.5	23.3	18.8	16.1	17.2	14.8	13.6	14.2	14.1	12.4	13.0
<b>2</b>	24.2	22.6	23.3	18.0	16.6	17.5	15.4	13.8	14.4	13.0	12.1	12.5
<b>3</b>	24.7	22.3	23.5	16.6	14.7	15.5	13.8	13.2	13.4	12.8	12.0	12.4
<b>4</b>	24.8	22.4	23.5	14.7	13.1	13.8	13.2	11.9	12.6	12.5	11.8	12.1
<b>5</b>	25.7	22.6	23.6	13.5	12.3	12.8	11.9	10.9	11.5	13.4	12.2	12.7
<b>6</b>	25.4	23.5	24.1	13.8	12.1	12.8	12.2	10.9	11.4	14.4	13.2	13.8
<b>7</b>	23.5	22.1	22.6	13.7	12.8	13.2	11.8	11.1	11.4	14.5	13.5	14.0
<b>8</b>	22.3	21.9	22.1	15.0	13.7	14.3	11.1	8.5	9.9	15.2	14.3	14.8
<b>9</b>	22.5	21.7	22.1	15.7	14.5	15.0	8.7	7.7	8.1	14.3	12.9	13.6
<b>10</b>	22.6	22.0	22.3	16.8	14.8	15.5	8.7	6.4	7.5	12.9	10.4	11.9
<b>11</b>	22.7	21.6	22.1	16.5	15.1	15.7	8.8	7.4	7.9	10.5	10.1	10.3
<b>12</b>	23.1	21.8	22.4	16.0	14.8	15.8	8.8	7.3	8.1	10.8	9.9	10.3
<b>13</b>	22.5	21.3	21.9	15.0	14.5	14.7	9.6	8.2	8.7	11.5	10.6	11.1
<b>14</b>	21.3	19.7	20.4	15.3	14.2	14.7	9.8	8.3	9.5	12.4	11.4	11.9
<b>15</b>	20.2	18.7	19.4	16.2	15.0	15.3	10.9	8.9	10	13.2	12.1	12.7
<b>16</b>	19.7	19.0	19.3	16.4	15.1	15.8	10.9	9.3	10.2	13.4	12.7	13.1
<b>17</b>	19.4	18.9	19.1	16.1	15.2	15.6	11.0	9.6	10.2	12.7	10.4	11.4
<b>18</b>	20.2	19.3	19.6	15.7	14.6	15.0	12.2	10.3	11.1	10.4	9.7	9.9
<b>19</b>	21.6	19.8	20.5	14.8	13.8	14.2	12.3	11.3	11.8	9.9	9.3	9.6
<b>20</b>	21.4	20.2	20.8	13.9	12.9	13.4	11.9	11.2	11.5	9.4	8.3	9.1
<b>21</b>	21.1	20.0	20.4	13.6	12.2	12.6	11.8	10.8	11.2	8.5	8.1	8.4
<b>22</b>	20.2	19.5	20.0	13.6	12.6	13.0	12.1	10.9	11.4	8.5	8.0	8.1
<b>23</b>	19.9	18.4	19.4	12.9	11.8	12.4	13.8	12.1	13.1	8.4	7.8	8.1
<b>24</b>	18.4	16.1	17.3	12.3	11.5	11.8	13.8	13.0	13.3	8.3	7.2	7.8
<b>25</b>	16.1	15.0	15.4	12.1	11.2	11.6	14.0	13.0	13.4	8.1	7.6	7.8
<b>26</b>	15.4	14.4	14.9	12.3	11.0	11.6	14.2	13.3	13.8	7.6	6.8	7.1
<b>27</b>	15.4	13.4	14.5	12.9	11.1	11.6	13.3	11.9	12.8	7.5	6.2	6.9
<b>28</b>	16.5	15.0	16.0	12.4	11.3	11.9	12.4	10.9	11.7	8.2	7.1	7.5
<b>29</b>	15.9	15.1	15.7	13.8	11.6	12.4	12.9	11.4	11.9	7.4	5.3	6.5
<b>30</b>	18.3	14.8	16.2	13.9	12.6	13.3	12.7	11.6	12.0	6.7	5.2	6.0
<b>31</b>	17.8	16.4	16.9	---	---	---	12.7	11.8	12.2	6.8	5.3	5.9
<b>Month</b>	25.7	13.4	20.1	18.8	11.0	14.0	15.4	6.4	11.3	15.2	5.2	10.3

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

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	5.4	4.8	5.0	11.6	10.8	11.1	17.4	16.1	16.7	24.7	18.9	20.8
<b>2</b>	5.7	4.9	5.2	13.8	11.4	12.9	18.7	16.4	17.7	22.8	19.0	20.8
<b>3</b>	5.7	5.1	5.4	13.4	12.8	13.1	19.7	18.1	18.9	22.3	21.4	21.9
<b>4</b>	6.0	5.0	5.5	13.2	11.9	12.6	20.5	19.0	19.7	21.4	20.4	20.8
<b>5</b>	5.7	5.0	5.3	12.0	10.8	11.5	19.6	17.6	18.5	21.2	19.7	20.4
<b>6</b>	5.0	4.2	4.6	12.2	11.0	11.4	---	---	---	20.9	19.1	20.1
<b>7</b>	5.5	4.3	4.9	11.8	10.6	11.2	---	---	---	19.1	17.3	17.9
<b>8</b>	5.6	4.9	5.2	12.0	11.0	11.5	---	---	---	17.5	16.9	17.2
<b>9</b>	5.6	4.3	5.1	11.7	10.5	11.2	---	---	---	19.4	17.2	18.1
<b>10</b>	5.7	5.0	5.3	12.7	11.2	11.7	---	---	---	21.4	18.4	19.5
<b>11</b>	6.6	4.9	5.5	13.5	11.9	12.8	13.8	13.3	13.6	23.2	21.2	21.9
<b>12</b>	6.8	4.7	5.7	14.0	12.3	13.1	15.2	13.6	14.4	24.0	21.9	22.7
<b>13</b>	7.2	5.9	6.5	14.8	12.9	13.7	15.6	14.3	14.9	23.3	21.6	22.6
<b>14</b>	7.8	6.9	7.4	15.9	13.6	14.5	16.1	14.8	15.5	21.9	20.6	21.1
<b>15</b>	8.4	6.5	7.0	16.0	14.8	15.3	17.4	15.9	16.5	22.3	20.2	21.2
<b>16</b>	7.0	5.7	6.4	15.9	15.4	15.7	16.8	14.6	15.5	22.3	20.6	21.4
<b>17</b>	6.6	4.9	5.9	15.4	13.0	14.1	14.8	13.8	14.3	22.0	21.0	21.5
<b>18</b>	6.6	5.9	6.3	13.0	11.7	12.2	15.1	14.0	14.5	21.0	20.4	20.8
<b>19</b>	6.7	5.3	5.8	12.9	11.4	12.1	14.8	13.9	14.4	21.5	19.8	20.6
<b>20</b>	6.8	5.5	6.1	13.7	11.8	12.6	15.4	14.0	14.6	22.8	20.3	21.3
<b>21</b>	8.3	6.6	7.4	14.2	13.0	13.5	17.0	14.4	15.7	23.3	21.0	21.6
<b>22</b>	9.4	7.9	8.6	15.2	13.5	14.3	18.6	16.1	16.9	22.7	21.6	22.2
<b>23</b>	8.6	7.6	8.0	16.8	14.2	15.2	18.9	16.3	17.5	22.8	22.0	22.3
<b>24</b>	8.4	7.3	7.7	18.3	14.8	16.2	19.0	16.3	17.6	23.2	21.9	22.5
<b>25</b>	9.0	7.7	8.2	17.8	16.8	17.2	20.0	16.9	18.6	24.1	22.2	22.9
<b>26</b>	11.7	8.8	9.8	19.0	16.2	17.2	21.1	17.9	19.2	26.1	23.1	24.2
<b>27</b>	12.1	9.6	10.8	19.0	16.9	17.9	21.8	18.2	20.6	26.4	24.0	24.7
<b>28</b>	12.0	10.8	11.3	20.6	17.9	18.6	22.0	20.4	21.3	26.3	23.1	24.3
<b>29</b>	---	---	---	18.9	16.7	18.0	21.2	20.1	20.7	28.3	23.0	24.7
<b>30</b>	---	---	---	17.8	15.5	16.5	22.4	20.0	21.0	26.4	25.3	25.8
<b>31</b>	---	---	---	17.5	16.4	16.9	---	---	---	26.8	24.4	25.5
<b>Month</b>	12.1	4.2	6.6	20.6	10.5	14.1	---	---	---	28.3	16.9	21.7

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

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
<b>1</b>	27.0	25.0	25.9	28.1	26.9	27.5	29.5	27.6	28.4	29.0	27.8	28.4
<b>2</b>	26.1	25.0	25.5	27.3	26.2	26.8	29.2	28.0	28.7	27.8	26.9	27.4
<b>3</b>	25.2	24.6	24.9	27.2	25.6	26.3	29.9	28.6	29.2	28.3	26.6	27.1
<b>4</b>	25.4	24.2	24.8	28.1	25.6	26.8	31.2	28.4	29.3	27.6	26.4	27.0
<b>5</b>	25.9	24.7	25.4	27.5	26.3	26.9	31.3	28.9	29.9	28.5	26.7	27.4
<b>6</b>	26.7	25.0	25.7	28.1	26.4	27.1	30.4	29.3	29.9	28.3	27.1	27.6
<b>7</b>	27.5	25.3	26.4	29.5	26.9	27.5	31.5	29.4	30.0	28.0	26.9	27.5
<b>8</b>	28.2	26.2	26.8	28.0	26.7	27.4	31.2	29.6	30.3	27.9	26.8	27.3
<b>9</b>	28.9	26.0	27.4	28.7	26.4	27.6	31.9	29.8	30.7	27.3	26.5	26.8
<b>10</b>	28.7	27.4	27.9	28.4	27.3	28.0	31.3	29.2	30.1	27.9	26.0	26.7
<b>11</b>	27.4	26.4	26.8	28.8	26.8	27.7	30.2	29.2	29.7	27.3	26.2	26.8
<b>12</b>	28.4	25.7	26.7	30.7	26.6	28.2	29.8	28.2	28.8	27.1	26.6	26.9
<b>13</b>	27.2	25.8	26.3	29.7	28.4	29.1	29.7	27.7	28.8	26.7	26.4	26.5
<b>14</b>	25.8	24.1	25.0	29.2	28.1	28.5	30.6	28.5	29.2	27.1	26.1	26.5
<b>15</b>	24.8	23.2	24.0	29.0	27.4	28.3	30.8	28.8	29.3	27.0	25.9	26.5
<b>16</b>	25.1	24.0	24.4	29.5	27.0	28.1	29.8	28.5	29.2	26.4	25.0	25.6
<b>17</b>	27.2	24.0	24.9	29.7	27.3	28.1	29.7	28.4	29.0	25.0	24.0	24.4
<b>18</b>	28.3	25.1	26.2	30.6	28.0	29.1	29.4	28.4	28.9	24.1	23.3	23.7
<b>19</b>	29.4	26.2	27.0	31.5	28.4	29.6	29.1	27.8	28.4	24.0	23.4	23.6
<b>20</b>	27.6	26.1	26.8	30.4	28.2	28.8	30.1	28.1	28.9	23.7	23.4	23.5
<b>21</b>	28.3	26.0	26.8	28.5	26.9	27.7	30.9	28.4	29.3	24.5	23.4	23.8
<b>22</b>	28.3	25.4	26.5	26.9	25.8	26.4	31.4	28.9	29.8	25.8	24.1	24.6
<b>23</b>	27.9	27.0	27.3	27.4	25.4	26.3	30.6	29.3	29.8	25.8	24.4	25.0
<b>24</b>	28.8	26.5	27.6	27.6	26.0	26.8	30.5	29.1	29.8	26.2	24.8	25.4
<b>25</b>	28.1	27.1	27.6	28.0	26.8	27.4	31.3	29.2	29.9	26.9	24.7	25.6
<b>26</b>	28.8	27.1	27.6	29.0	27.2	27.9	30.4	29.0	29.5	26.8	25.1	26.0
<b>27</b>	29.2	27.2	27.9	30.3	27.7	28.8	29.2	28.6	28.9	26.7	26.0	26.5
<b>28</b>	29.5	27.6	28.2	29.3	27.7	28.6	29.5	28.1	28.7	26.8	25.8	26.4
<b>29</b>	28.9	26.9	27.8	28.9	27.8	28.3	29.9	28.0	28.9	26.2	24.8	25.3
<b>30</b>	28.7	26.8	27.8	28.9	28.2	28.5	29.2	27.8	28.6	24.8	23.6	24.1
<b>31</b>	---	---	---	29.2	27.7	28.3	29.3	28.2	28.6	---	---	---
<b>Month</b>	29.5	23.2	26.5	31.5	25.4	27.8	31.9	27.6	29.3	29.0	23.3	26.0



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

**TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	23.9	23.4	23.7	16.8	16.3	16.5	14.8	13.1	13.9	13.4	12.5	13.0
<b>2</b>	23.9	23.7	23.8	16.9	16.7	16.8	14.3	13.6	13.9	13.3	12.2	12.6
<b>3</b>	23.9	23.8	23.9	16.8	15.2	15.8	14.3	13.3	13.8	12.9	12.4	12.6
<b>4</b>	23.8	23.8	23.8	15.7	13.9	14.7	13.6	12.4	13.0	12.7	12.2	12.5
<b>5</b>	23.9	23.4	23.8	14.1	12.7	13.5	14.1	12.8	13.8	13.1	12.3	12.6
<b>6</b>	24.0	23.6	23.8	14.5	12.4	13.5	13.7	11.4	12.7	14.3	12.9	13.7
<b>7</b>	23.6	22.4	22.8	14.1	12.9	13.9	13.0	11.2	12.4	14.4	13.4	13.8
<b>8</b>	22.7	21.9	22.3	14.2	13.9	14.1	11.2	10.2	10.6	15.0	13.8	14.4
<b>9</b>	22.6	21.8	22.1	15.3	14.2	14.7	11.5	9.9	10.7	14.2	13.0	13.7
<b>10</b>	22.6	22.0	22.3	15.3	14.8	15.2	11.8	11.0	11.5	13.0	11.4	12.0
<b>11</b>	22.6	21.8	22.0	15.4	15.2	15.3	12.2	11.3	11.9	11.5	10.2	10.8
<b>12</b>	22.9	22.1	22.3	16.0	14.9	15.5	12.4	12.0	12.2	11.5	10.2	10.7
<b>13</b>	22.5	21.2	21.8	15.0	14.4	14.6	12.2	11.7	11.9	11.7	10.4	11.0
<b>14</b>	21.4	20.1	20.5	14.9	14.6	14.7	12.5	11.5	12.1	12.6	11.1	11.8
<b>15</b>	20.4	18.9	19.6	15.1	14.7	14.9	12.3	12.0	12.2	12.9	12.6	12.7
<b>16</b>	19.6	18.9	19.2	16.4	15.0	15.7	12.1	11.9	12.0	12.9	12.6	12.7
<b>17</b>	19.0	18.8	18.9	16.1	15.9	16.1	12.2	12.0	12.1	12.9	10.8	11.6
<b>18</b>	19.6	18.9	19.4	16.1	15.8	15.9	12.2	11.7	12.0	10.8	9.9	10.3
<b>19</b>	19.9	19.5	19.6	15.8	15.7	15.8	11.9	11.4	11.5	11.2	9.6	10.3
<b>20</b>	20.9	19.7	20.3	15.8	13.9	15.5	11.9	11.8	11.8	9.6	8.7	9.2
<b>21</b>	20.6	19.7	20.1	14.8	12.3	12.9	12.1	11.8	12.0	9.2	8.3	8.6
<b>22</b>	20.0	19.8	19.9	13.8	12.8	13.2	12.3	12.0	12.2	8.5	8.1	8.3
<b>23</b>	20.0	18.3	19.4	13.0	12.3	12.7	13.4	12.1	12.5	8.5	8.1	8.2
<b>24</b>	18.3	16.4	17.2	12.9	11.7	12.4	12.5	12.2	12.4	8.6	7.6	8.3
<b>25</b>	16.4	15.4	15.6	13.0	11.6	12.8	14.0	12.3	13.0	8.8	7.7	8.3
<b>26</b>	16.5	14.4	15.1	13.1	11.2	12.7	13.8	13.1	13.4	7.8	6.8	7.3
<b>27</b>	16.7	15.3	16.5	12.8	11.5	12.4	13.4	12.7	12.9	8.1	7.1	7.7
<b>28</b>	16.5	15.4	16.1	13.2	12.1	12.8	13.0	12.1	12.7	8.2	7.4	7.8
<b>29</b>	16.0	15.6	15.8	13.2	12.4	12.8	13.1	12.1	12.9	7.5	6.4	6.8
<b>30</b>	15.8	15.5	15.7	13.5	12.8	13.1	13.2	12.9	13.0	7.5	7.0	7.2
<b>31</b>	16.3	15.7	16.0	---	---	---	13.1	12.3	12.8	7.3	5.7	6.3
<b>Month</b>	24.0	14.4	20.1	16.9	11.2	14.3	14.8	9.9	12.4	15.0	5.7	10.5

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

**TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	6.5	4.9	5.8	11.5	10.6	11.0	15.6	14.8	15.2	18.1	17.3	17.7
<b>2</b>	7.0	5.0	5.7	13.8	11.5	12.8	15.4	14.7	15.0	19.7	17.5	17.8
<b>3</b>	7.0	5.4	6.3	13.3	12.6	12.9	15.9	14.8	15.2	21.2	17.8	18.8
<b>4</b>	7.2	6.4	7.0	13.0	12.0	12.5	16.3	15.5	15.9	21.3	20.2	20.8
<b>5</b>	7.0	5.2	5.9	12.1	10.9	11.6	18.6	15.5	17.3	20.5	19.8	20.1
<b>6</b>	5.7	4.4	4.9	12.0	11.0	11.3	---	---	---	20.5	19.1	20.0
<b>7</b>	6.2	4.4	5.2	11.7	10.8	11.3	---	---	---	19.1	17.4	18.0
<b>8</b>	5.6	4.9	5.3	12.0	11.0	11.4	---	---	---	17.7	16.9	17.3
<b>9</b>	5.6	5.0	5.3	11.5	10.7	11.1	---	---	---	19.2	17.3	17.7
<b>10</b>	5.7	5.1	5.4	12.2	11.1	11.3	---	---	---	19.3	18.1	18.9
<b>11</b>	5.6	4.9	5.2	12.5	11.1	11.5	13.9	13.6	13.8	20.0	19.1	19.4
<b>12</b>	5.9	5.3	5.6	13.6	11.9	12.8	15.4	13.7	14.4	20.0	19.0	19.5
<b>13</b>	6.9	5.4	5.9	13.8	12.2	13.2	15.7	14.4	15.0	22.4	18.9	20.7
<b>14</b>	7.7	6.9	7.4	13.9	12.2	12.9	16.3	15.3	15.7	21.6	20.1	20.7
<b>15</b>	7.3	6.4	6.8	14.2	12.2	12.8	17.5	16.1	16.7	21.8	20.6	21.0
<b>16</b>	7.0	6.2	6.6	15.9	12.3	14.0	17.0	14.7	15.6	22.2	20.6	21.3
<b>17</b>	7.1	6.4	6.8	15.4	13.1	14.0	15.0	13.9	14.5	21.9	21.0	21.3
<b>18</b>	7.0	6.3	6.7	13.1	11.6	12.1	15.0	14.2	14.7	21.0	20.6	20.8
<b>19</b>	6.3	5.2	5.6	12.5	12.0	12.3	15.0	14.1	14.5	20.6	20.1	20.3
<b>20</b>	7.0	5.7	6.2	12.3	12.0	12.2	15.4	14.2	14.7	20.8	20.1	20.3
<b>21</b>	7.9	6.6	7.1	13.5	12.1	12.6	15.6	15.0	15.2	22.0	20.3	20.7
<b>22</b>	8.9	6.9	7.5	12.9	12.3	12.4	15.8	15.2	15.6	22.7	21.5	22.1
<b>23</b>	8.7	7.6	8.0	12.9	12.5	12.7	15.8	15.5	15.6	22.7	21.9	22.3
<b>24</b>	7.9	7.2	7.6	13.0	12.5	12.7	15.6	15.2	15.4	23.0	21.9	22.4
<b>25</b>	8.4	7.6	7.9	17.2	12.6	13.9	16.9	15.4	15.6	23.7	22.5	22.7
<b>26</b>	8.9	7.9	8.2	17.1	13.4	14.6	17.2	15.6	15.8	23.6	22.6	23.1
<b>27</b>	10.1	8.0	9.0	15.0	13.8	14.3	21.3	15.8	17.6	23.5	22.7	23.0
<b>28</b>	11.6	9.3	10.8	14.3	13.8	13.9	18.6	16.5	17.6	23.5	22.7	23.0
<b>29</b>	---	---	---	18.3	14.0	16.5	17.2	16.6	16.9	23.1	22.1	22.4
<b>30</b>	---	---	---	16.6	14.9	15.7	18.2	17.2	17.4	25.9	22.4	23.9
<b>31</b>	---	---	---	15.9	15.0	15.4	---	---	---	25.4	24.4	24.7
<b>Month</b>	11.6	4.4	6.6	18.3	10.6	12.9	---	---	---	25.9	16.9	20.7

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

**TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.7	24.6	25.1	27.4	25.8	26.3	28.6	28.0	28.2	28.9	28.1	28.5
2	25.6	24.4	24.8	27.4	26.6	26.9	28.8	27.8	28.3	28.5	27.5	28.0
3	25.1	24.7	24.9	27.0	26.1	26.5	28.9	28.6	28.8	27.7	26.6	27.1
4	25.4	24.2	24.7	26.6	26.0	26.3	28.9	28.3	28.5	27.5	26.8	27.1
5	25.8	24.7	25.2	27.1	26.1	26.5	28.9	28.4	28.5	27.5	26.6	27.1
6	25.8	24.5	25.2	26.9	26.4	26.6	29.7	28.8	29.2	27.9	27.0	27.5
7	26.1	24.6	24.9	28.2	26.2	26.9	29.4	29.0	29.2	27.9	27.0	27.4
8	25.5	24.6	25.0	27.4	26.4	26.8	29.8	29.0	29.5	27.6	26.9	27.3
9	25.3	24.7	24.9	26.8	26.4	26.5	29.8	28.9	29.2	27.3	26.5	26.8
10	26.9	24.8	25.4	27.5	26.4	26.7	30.5	29.0	29.5	26.9	25.9	26.3
11	27.2	25.5	26.2	27.5	26.7	27.0	30.0	29.0	29.4	27.2	26.3	26.8
12	26.1	25.1	25.6	27.2	26.9	27.0	29.1	28.3	28.6	27.1	26.6	26.8
13	26.3	25.6	25.9	27.3	26.8	27.0	28.8	28.0	28.5	26.7	26.4	26.6
14	26.3	24.3	25.3	27.3	27.0	27.2	28.8	28.4	28.5	26.9	26.1	26.4
15	24.6	23.5	24.2	27.7	27.0	27.3	29.0	28.5	28.7	26.9	26.0	26.5
16	24.6	24.1	24.3	27.6	26.9	27.3	29.2	28.5	28.8	26.4	25.0	25.6
17	24.7	24.3	24.6	27.5	27.0	27.2	29.1	28.6	28.8	25.0	24.0	24.4
18	24.6	24.4	24.4	27.5	27.0	27.2	29.3	28.2	28.7	24.2	23.4	23.8
19	24.6	24.3	24.4	27.7	27.4	27.5	28.8	27.8	28.2	24.2	23.4	23.7
20	24.6	24.2	24.3	27.9	27.2	27.5	29.1	28.2	28.5	23.9	23.7	23.8
21	24.9	24.2	24.4	27.8	27.3	27.5	29.5	28.4	28.7	23.9	23.6	23.8
22	24.7	24.4	24.5	27.5	26.2	26.7	30.4	28.1	28.9	24.1	23.7	23.9
23	25.1	24.5	24.7	26.7	25.5	25.9	29.8	29.1	29.4	24.1	23.9	24.0
24	27.4	24.8	25.8	27.2	26.3	26.9	29.6	29.1	29.3	25.8	24.1	24.9
25	27.1	26.4	26.8	27.1	26.7	26.9	29.4	29.1	29.2	25.5	24.8	25.1
26	27.0	25.7	26.3	27.6	26.8	27.2	29.2	28.8	29.0	26.1	25.0	25.2
27	26.5	25.6	26.1	27.7	27.1	27.4	29.1	28.8	28.9	26.0	25.2	25.5
28	27.1	25.3	26.0	27.8	27.2	27.5	29.4	28.4	28.9	26.3	25.2	25.8
29	26.9	25.4	25.7	28.1	27.4	27.6	29.6	28.4	28.8	26.1	24.8	25.3
30	26.4	25.9	26.0	28.3	27.7	27.9	29.3	28.3	28.8	24.8	23.5	24.1
31	---	---	---	28.6	27.6	28.0	29.2	28.6	28.9	---	---	---
<b>Month</b>	27.4	23.5	25.2	28.6	25.5	27.0	30.5	27.8	28.9	28.9	23.4	25.8

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	9.6	7.1	8.0	13.0	10.4	11.5	7.8	7.0	7.3	---	---	---
2	9.6	7.3	8.2	11.8	8.6	9.9	8.1	7.8	7.9	---	---	---
3	11.3	8.0	9.4	9.6	7.3	8.3	8.5	7.8	8.2	---	---	---
4	12.7	6.8	9.2	9.9	7.9	8.7	8.7	8.0	8.4	---	---	---
5	10.7	1.2	5.5	10.6	9.0	9.5	8.6	8.2	8.5	---	---	---
6	10.4	4.9	6.6	10.0	9.3	9.5	8.8	8.5	8.6	---	---	---
7	7.7	5.3	6.0	10.2	8.8	9.5	8.8	8.2	8.6	---	---	---
8	6.2	5.6	5.8	10.0	8.7	9.2	9.2	7.9	8.6	---	---	---
9	7.3	5.9	6.6	9.3	8.4	8.8	9.3	9.1	9.2	---	---	---
10	7.8	6.5	7.0	10.4	8.4	8.9	9.5	9.0	9.3	---	---	---
11	10.4	6.6	8.2	9.7	7.1	8.0	9.2	8.8	8.9	---	---	---
12	9.9	7.3	8.8	7.2	5.5	6.8	9.3	8.5	8.9	---	---	---
13	11.2	6.9	8.8	7.8	6.2	7.3	9.3	8.6	8.9	---	---	---
14	10.1	8.3	9.2	8.5	7.0	7.8	9.2	8.8	9.1	---	---	---
15	13.3	9.1	11.1	10.2	7.9	8.7	9.5	8.8	9.1	---	---	---
16	13.5	10.4	12.0	8.8	6.8	7.6	9.2	7.6	8.7	---	---	---
17	12.6	10.0	11.0	9.6	7.7	8.3	9.3	8.4	9.0	---	---	---
18	13.2	8.9	9.7	8.6	7.4	7.9	9.8	8.2	9.1	---	---	---
19	12.4	9.7	10.8	8.2	7.0	7.5	9.3	7.2	8.3	---	---	---
20	11.3	6.5	8.6	8.5	6.9	7.9	9.7	9.0	9.3	---	---	---
21	10.3	7.6	8.9	9.4	8.3	8.8	9.8	9.0	9.4	---	---	---
22	10.1	8.3	8.9	9.1	8.2	8.5	9.7	8.5	9.2	---	---	---
23	9.3	8.1	8.7	8.6	8.3	8.5	9.2	8.4	8.8	---	---	---
24	9.2	7.8	8.5	8.6	7.9	8.2	9.2	8.9	9.0	---	---	---
25	10.7	8.6	9.6	8.1	6.9	7.5	---	---	---	10.9	10.4	10.7
26	11.6	9.5	10.6	7.8	6.5	7.2	---	---	---	11.1	10.7	10.8
27	11.8	9.7	11.1	7.3	6.4	6.8	---	---	---	11.5	11.0	11.2
28	9.7	7.5	8.7	7.2	6.4	6.7	---	---	---	11.5	10.9	11.2
29	10.0	8.3	8.9	7.0	6.5	6.7	---	---	---	11.7	10.9	11.3
30	12.6	8.5	10.3	7.0	6.4	6.8	---	---	---	11.7	10.9	11.4
31	12.2	9.9	11.1	---	---	---	---	---	---	11.6	10.8	11.3
Month	13.5	1.2	8.9	13.0	5.5	8.2	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	11.9	11.4	11.7	12.4	10.6	11.2	11.1	8.8	9.7	14.4	6.9	9.9
<b>2</b>	11.9	11.7	11.8	11.3	9.7	10.1	10.9	6.5	9.3	10.2	5.6	7.9
<b>3</b>	11.8	11.6	11.8	10.4	9.7	10	12.2	9.2	10.8	10.0	8.4	9.1
<b>4</b>	11.8	11.6	11.7	10.6	9.7	10.0	10.4	8.9	9.8	9.1	7.7	8.4
<b>5</b>	11.8	11.6	11.7	11.2	10.0	10.6	9.8	8.0	8.9	10.1	7.9	8.9
<b>6</b>	12.0	11.6	11.8	11.1	10.1	10.6	---	---	---	9.4	8.0	8.5
<b>7</b>	12.0	11.6	11.8	10.9	10.5	10.7	---	---	---	8.8	8.0	8.4
<b>8</b>	11.7	11.5	11.6	11.2	10.4	10.8	---	---	---	9.8	8.6	9.1
<b>9</b>	11.7	11.5	11.6	11.8	10.6	11.0	---	---	---	10.5	9.0	9.7
<b>10</b>	11.8	11.6	11.7	11.2	10.4	10.8	---	---	---	11.2	9.3	10.3
<b>11</b>	11.9	11.7	11.8	11.5	10.6	11.1	10.9	8.7	9.3	11.7	6.9	9.9
<b>12</b>	11.9	11.7	11.8	11.9	10.9	11.3	10.2	8.7	9.4	11.2	7.6	9.9
<b>13</b>	11.9	11.4	11.8	11.7	10.8	11.1	11.5	9.2	10.2	10.3	8.5	9.3
<b>14</b>	11.4	11.1	11.3	12.0	10.6	11.1	11.7	10.6	11.1	9.8	7.9	8.9
<b>15</b>	11.3	11.1	11.2	10.8	9.6	10.4	10.9	8.7	9.6	9.8	8.0	9.1
<b>16</b>	11.4	11.1	11.3	10.0	9.3	9.6	9.2	8.3	8.7	8.8	7.6	8.3
<b>17</b>	11.6	11.3	11.4	9.6	8.9	9.2	9.3	8.2	8.8	8.8	7.6	8.3
<b>18</b>	11.5	10.4	11.2	10.4	9.2	9.9	10.2	8.9	9.5	8.8	7.4	8.2
<b>19</b>	11.3	10.4	10.9	11.8	9.8	10.8	10.8	8.9	9.8	10.2	7.7	8.8
<b>20</b>	11.2	10.9	11.0	11.9	10.7	11.2	11.2	9.8	10.5	11.0	9.1	10.0
<b>21</b>	11.3	10.9	11.1	12.0	11.1	11.5	10.9	9.7	10.3	11.8	8.7	9.7
<b>22</b>	---	---	---	12.5	10.8	11.7	11.9	9.6	10.4	9.4	8.3	8.8
<b>23</b>	10.8	10.2	10.5	12.8	11.2	11.9	12.2	8.8	10.1	9.2	8.3	8.8
<b>24</b>	11.0	10.7	10.9	12.0	10.2	11.0	9.3	6.3	7.9	9.2	8.1	8.6
<b>25</b>	11.0	10.7	10.8	11.2	10.0	10.8	8.9	4.6	8.0	9.7	7.0	8.5
<b>26</b>	11.2	10.6	10.9	11.2	9.3	10.2	9.6	5.2	7.8	9.9	6.9	8.8
<b>27</b>	11.1	10.7	10.8	11.0	9.5	10.2	9.6	5.5	8.4	10.5	0.1	8.2
<b>28</b>	11.2	10.7	10.9	11.1	9.2	10	10.4	8.0	9.2	10.0	6.6	8.1
<b>29</b>	---	---	---	10.1	9.3	9.7	11.7	9.1	10.4	11.7	6.3	8.7
<b>30</b>	---	---	---	11.4	8.9	10.0	12.1	10.1	11.1	9.3	8.0	8.6
<b>31</b>	---	---	---	11.8	9.5	10.6	---	---	---	9.7	7.4	8.7
<b>Month</b>	---	---	---	12.8	8.9	10.6	---	---	---	14.4	0.1	8.9

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	9.5	7.1	8.4	8.2	6.4	7.3	9.4	6.3	7.8	9.2	3.6	6.9
2	9.4	6.2	8.3	8.7	7.2	7.9	8.3	5.9	7.5	7.8	5.4	6.8
3	8.5	7.7	7.9	9.1	7.3	8.2	9.4	5.5	7.3	8.1	1.1	5.9
4	9.4	7.5	8.4	9.8	6.8	8.5	11.7	5.5	8.0	---	---	---
5	9.6	7.9	8.9	8.9	5.8	7.4	9.7	4.3	7.6	---	---	---
6	11.1	8.2	9.5	8.4	5.8	7.1	8.3	3.4	6.5	---	---	---
7	10.7	8.1	9.8	10.0	6.2	7.3	11.7	0.3	5.6	8.5	5.3	7.1
8	10.4	8.0	9.0	10.0	2.5	7.0	8.8	4.6	6.9	8.2	4.9	7.0
9	10.3	4.3	8.1	9.3	5.6	7.1	11.5	5.1	7.9	7.3	6.6	7.0
10	9.7	6.7	8.5	8.0	5.0	6.3	8.5	4.7	6.3	8.1	0.4	5.4
11	10.4	0.1	7.6	7.1	4.1	6.0	8.7	5.2	6.4	10.7	5.0	7.7
12	11.6	1.9	8.5	9.8	4.5	7.2	13.1	6.0	7.8	8.0	3.1	6.1
13	10.1	7.8	9.3	9.7	5.3	8.2	13.1	7.0	9.9	7.4	1.0	5.4
14	9.0	6.8	8.1	9.3	5.8	8.1	13.0	6.6	9.4	8.1	5.6	6.5
15	8.8	6.5	7.9	8.8	5.4	7.3	12.0	5.8	8.8	8.9	5.5	7.1
16	10.0	7.4	8.2	8.1	4.1	6.1	8.9	4.0	6.3	7.7	6.3	7.0
17	10.8	7.3	8.6	8.3	4.0	5.9	7.2	0.8	5.8	7.9	6.2	6.9
18	10.3	4.6	7.2	8.6	5.5	7.2	---	---	---	8.1	5.6	7.0
19	9.6	4.2	6.7	9.2	0.7	5.4	---	---	---	7.8	5.1	6.5
20	7.0	4.3	6.0	7.1	1.9	4.8	---	---	---	7.8	2.3	5.3
21	8.5	4.9	6.7	6.5	4.1	5.6	---	---	---	8.2	3.1	6.0
22	9.5	3.8	6.9	8.3	5.8	7.0	---	---	---	8.7	3.5	6.4
23	8.7	2.7	6.7	8.9	3.8	6.8	---	---	---	9.3	4.1	6.8
24	7.6	4.2	6.7	9.1	2.4	6.7	9.2	5.3	7.3	9.1	5.7	7.4
25	7.7	3.9	6.3	8.9	3.4	7.4	10.0	3.9	7.4	8.6	3.3	6.6
26	8.8	0.0	5.2	10.1	3.4	8.1	8.9	2.2	6.2	8.9	5.1	7.4
27	9.0	0.1	5.0	9.5	7.5	8.7	7.3	0.1	4.8	9.2	3.4	7.1
28	8.4	2.0	6.3	8.3	6.8	7.7	8.0	2.9	6.1	8.7	5.7	7.5
29	7.2	4.3	5.8	8.7	5.9	7.2	9.4	3.4	6.4	7.8	6.6	7.2
30	8.1	5.4	6.7	8.5	6.1	7.1	10.1	2.4	6.8	7.5	6.2	6.9
31	---	---	---	8.6	6.2	6.9	9.4	2.8	7.0	---	---	---
Month	11.6	0.0	7.6	10.1	0.7	7.1	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	3.0	0.0	0.4	4.3	2.6	3.3	7.5	1.7	4.4	8.8	5.6	6.4
2	0.3	0.0	0.0	4.0	3.2	3.5	5.5	1.9	3.0	9.4	6.0	8.7
3	0.1	0.0	0.0	8.8	3.7	7.0	8.3	3.7	6.2	9.5	8.4	9.1
4	0.8	0.0	0.0	9.0	6.1	7.6	8.6	4.3	7.6	9.4	7.7	9.1
5	1.1	0.0	0.1	9.6	5.3	8.5	6.3	4.4	5.0	9.2	4.6	7.2
6	6.4	0.0	0.8	10.0	5.4	8.4	7.9	4.2	5.6	9.0	4.4	7.7
7	6.6	0.5	4.6	9.2	5.5	6.7	8.5	4.7	6.5	8.9	3.4	5.2
8	6.8	1.7	5.1	8.7	5.1	6.2	8.5	7.9	8.3	9.2	3.1	6.5
9	7.8	6.3	6.9	9.8	3.9	5.9	8.5	6.8	7.8	8.8	3.1	5.3
10	8.1	6.4	7.2	4.1	1.9	2.7	7.7	6.4	7.0	9.5	7.8	9.0
11	7.8	6.4	7.2	3.8	1.0	2.1	7.2	5.2	5.8	9.9	9.2	9.6
12	9.0	2.7	5.5	7.8	0.5	4.4	5.8	5.0	5.4	10.1	7.8	9.3
13	9.4	3.9	6.9	8.5	6.5	7.4	5.4	4.6	5.1	10.2	7.1	9.1
14	9.3	7.5	8.3	7.3	6.1	6.7	5.3	4.2	4.8	9.5	5.3	7.6
15	9.6	7.9	8.6	6.4	5.1	5.7	5.6	4.6	5.1	6.1	4.4	5.2
16	11.6	8.4	10.2	7.4	4.6	6.1	5.9	5.0	5.6	8.6	4.2	5.7
17	9.9	8.3	9.3	6.5	5.7	6.1	5.1	4.3	4.8	9.2	4.2	8.0
18	8.7	4.3	6.2	5.7	5.1	5.4	5.9	4.3	5.1	10.2	8.9	9.5
19	7.3	3.0	5.0	5.8	4.9	5.2	7.1	5.5	6.3	10.5	6.5	8.8
20	8.1	2.1	5.8	6.8	3.8	4.5	6.0	5.3	5.7	10.6	9.9	10.3
21	9.1	6.5	7.6	9.3	3.8	8.4	6.0	4.6	5.1	10.6	10.2	10.5
22	8.5	5.9	7.4	8.7	8.1	8.4	7.0	3.8	4.8	10.7	10.4	10.6
23	8.7	6.3	7.7	8.8	8.4	8.5	9.4	3.4	5.7	10.8	10.4	10.6
24	8.7	7.4	8.0	8.7	7.3	8.0	4.0	3.0	3.4	11.1	9.8	10.6
25	9.2	7.6	8.2	7.7	6.7	7.1	9.2	2.9	5.2	11.0	9.7	10.4
26	10.0	5.0	8.6	8.6	6.1	7.3	8.4	3.8	6.6	11.1	10.0	10.7
27	8.1	3.8	5.3	8.7	5.7	7.2	9.6	6.3	8.7	11.4	9.8	10.4
28	9.5	4.0	8.2	7.4	4.7	5.9	9.6	7.8	8.8	11.1	9.1	10.2
29	10.0	7.8	8.8	6.6	3.0	4.7	8.9	6.8	7.6	11.0	10.5	10.9
30	9.9	7.5	8.3	5.3	2.8	3.9	8.1	6.4	7.2	10.6	9.4	9.9
31	8.8	3.8	6.9	---	---	---	8.0	5.9	7.0	10.9	9.6	10.5
Month	11.6	0.0	5.9	10.0	0.5	6.1	9.6	1.7	6.0	11.4	3.1	8.8

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

**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	11.7	10.1	10.8	12.0	10.1	10.9	2.2	0.0	0.4	3.7	1.5	2.2
<b>2</b>	11.7	8.2	10.3	11.0	9.6	10.0	1.3	0.0	0.1	4.1	0.1	1.2
<b>3</b>	11.6	7.3	9.0	10.0	9.0	9.6	1.1	0.0	0.3	7.4	0.0	0.5
<b>4</b>	8.0	6.4	6.9	10.3	9.0	9.7	0.6	0.0	0.1	8.6	1.6	6.4
<b>5</b>	11.8	6.3	10.2	10.8	9.9	10.3	8.3	0.0	3.5	8.3	3.1	7.0
<b>6</b>	11.9	8.8	11.4	10.8	9.8	10.4	---	---	---	8.6	0.1	7.3
<b>7</b>	11.8	7.8	10.7	10.7	10.1	10.4	---	---	---	8.8	7.8	8.5
<b>8</b>	11.7	11.0	11.5	10.8	10.2	10.4	---	---	---	9.5	8.2	8.9
<b>9</b>	11.6	11.2	11.5	11.2	10.3	10.7	---	---	---	9.4	6.1	8.5
<b>10</b>	11.6	11.4	11.5	10.8	9.8	10.4	---	---	---	8.8	4.9	7.6
<b>11</b>	11.7	11.0	11.5	10.6	8.4	9.5	9.9	4.3	8.7	8.3	4.8	6.9
<b>12</b>	11.2	10.1	10.8	11.0	8.6	10.4	10.8	8.5	9.8	7.8	1.3	4.7
<b>13</b>	11.4	9.3	10.6	10.9	6.7	9.8	11.6	9.7	10.4	9.1	1.4	6.4
<b>14</b>	11.3	10.9	11.1	10.4	5.9	7.9	11.9	10.3	11.1	8.6	6.1	7.6
<b>15</b>	11.1	10.8	11.0	8.6	5.6	6.3	11.2	8.8	9.7	8.5	4.2	7.1
<b>16</b>	11.2	7.8	10.8	9.4	5.1	7.3	9.0	8.3	8.7	8.6	6.2	7.6
<b>17</b>	11.1	7.2	9.1	9.2	4.4	8.1	9.0	7.9	8.6	8.2	5.0	7.1
<b>18</b>	10.9	7.9	9.7	9.9	8.8	9.3	9.7	8.2	8.9	8.5	5.4	7.6
<b>19</b>	10.8	9.3	10.3	10.2	5.1	8.4	10.3	7.7	9.2	8.1	5.6	7.3
<b>20</b>	10.8	9.4	10.1	6.8	4.8	6.0	10.8	9.4	10.1	7.2	4.8	6.0
<b>21</b>	10.8	9.5	10.2	10.1	4.3	6.3	10.6	3.0	4.9	10.1	1.8	5.8
<b>22</b>	---	---	---	6.0	2.4	3.4	6.2	2.4	3.5	9.2	7.3	8.4
<b>23</b>	10.4	7.4	10.0	6.3	1.8	3.1	4.8	1.2	2.1	9.2	8.1	8.7
<b>24</b>	10.6	9.0	10.1	3.4	0.4	1.4	1.9	0.6	1.1	9.2	7.9	8.5
<b>25</b>	10.6	8.5	9.1	10.4	0.1	2.8	3.8	0.5	2.3	9.3	3.7	7.8
<b>26</b>	9.7	7.3	8.2	9.6	0.2	2.6	3.1	1.6	2.1	8.2	2.5	6.6
<b>27</b>	10.3	6.3	7.8	2.4	0.1	1.0	8.0	0.9	3.1	7.5	1.3	5.7
<b>28</b>	10.8	7.9	9.9	0.7	0.0	0.1	6.4	3.0	4.5	8.0	2.2	5.7
<b>29</b>	---	---	---	9.4	0.0	6.0	3.5	2.1	3.0	6.1	0.9	2.8
<b>30</b>	---	---	---	8.4	0.2	4.3	3.2	1.8	2.4	8.6	0.1	4.5
<b>31</b>	---	---	---	5.0	0.6	2.4	---	---	---	7.7	4.9	6.6
<b>Month</b>	---	---	---	12.0	0.0	7.1	---	---	---	10.1	0.0	6.4



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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.4	2.4	5.1	7.5	0.0	1.5	6.1	1.6	3.5	3.4	0.0	0.7
2	7.9	0.2	2.9	8.0	5.2	6.7	7.0	0.8	3.5	5.8	0.0	0.8
3	7.6	5.8	7.1	8.7	0.4	4.5	3.9	0.0	1.2	4.8	0.0	2.7
4	8.4	6.8	7.5	8.5	3.9	6.4	3.0	0.1	1.0	7.8	0.6	3.6
5	8.4	7.1	7.7	5.8	2.0	3.7	1.7	0.1	0.5	6.3	0.4	4.0
6	8.8	1.4	6.4	6.6	2.2	4.4	7.3	0.0	2.2	8.4	1.2	5.7
7	5.2	0.0	2.0	8.5	0.0	3.2	4.3	0.3	1.7	8.0	5.1	6.7
8	4.0	0.0	1.1	5.7	0.0	1.4	5.5	0.2	2.8	7.7	4.6	6.5
9	2.1	0.0	0.4	0.0	0.0	0.0	4.5	0.0	0.6	7.0	3.0	5.5
10	3.2	0.0	0.2	3.5	0.0	0.3	7.4	0.0	2.9	7.0	1.1	5.3
11	8.1	0.0	2.1	1.6	0.0	0.2	7.2	0.9	4.2	9.2	2.1	5.3
12	2.1	0.0	0.1	4.7	0.0	0.4	6.1	1.5	4.1	6.6	1.6	4.3
13	9.3	0.0	4.4	1.1	0.0	0.1	5.0	0.2	2.5	7.4	0.9	4.6
14	8.3	3.0	7.0	0.3	0.0	0.0	4.8	0.0	1.0	7.8	4.6	6.0
15	7.9	5.0	6.6	1.5	0.0	0.2	6.2	0.0	0.7	8.9	4.0	6.3
16	7.6	1.0	3.9	1.2	0.0	0.2	2.7	0.0	0.6	8.2	4.7	6.7
17	3.4	0.0	1.1	1.0	0.0	0.1	5.2	0.1	2.3	7.9	4.3	5.7
18	3.5	0.0	0.5	0.2	0.0	0.0	---	---	---	7.3	4.1	5.4
19	1.9	0.0	0.5	0.0	0.0	0.0	---	---	---	6.3	3.7	4.6
20	1.0	0.0	0.2	0.1	0.0	0.0	---	---	---	6.6	3.0	4.9
21	0.6	0.0	0.0	4.8	0.0	1.1	---	---	---	6.9	2.4	4.8
22	1.8	0.0	0.2	7.4	0.0	4.3	---	---	---	5.7	0.1	2.9
23	0.3	0.0	0.0	7.3	0.2	5.2	---	---	---	3.0	0.1	0.7
24	5.3	0.0	1.2	5.7	0.1	2.9	6.3	2.0	4.3	8.5	0.1	3.8
25	7.1	0.0	1.6	5.8	1.8	3.9	3.9	0.6	2.5	7.8	2.0	5.4
26	0.9	0.0	0.0	6.1	0.6	3.2	2.1	0.0	0.3	7.3	0.1	3.3
27	0.0	0.0	0.0	4.8	0.4	2.2	1.0	0.0	0.0	5.7	0.2	3.0
28	2.1	0.0	0.1	3.2	0.0	0.7	3.4	0.0	1.1	5.6	0.1	3.0
29	0.3	0.0	0.0	2.6	0.0	0.3	4.0	0.0	1.4	8.0	1.2	6.1
30	0.3	0.0	0.0	5.4	0.0	1.1	5.1	0.2	2.9	7.5	1.0	5.7
31	---	---	---	6.5	1.4	4.1	6.1	0.0	1.4	---	---	---
Month	9.3	0.0	2.3	8.7	0.0	2.0	---	---	---	9.2	0.0	4.5

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11 NEAR FLANNER BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	119	87	98	143	111	124	77	68	72	---	---	---
2	119	88	100	129	92	107	80	77	78	---	---	---
3	141	97	114	100	78	87	82	75	79	---	---	---
4	157	84	113	102	80	88	83	76	80	---	---	---
5	137	15	69	106	88	94	80	76	78	---	---	---
6	133	61	83	99	90	93	83	78	80	---	---	---
7	94	65	73	101	88	94	82	75	80	---	---	---
8	76	68	71	103	88	94	81	72	78	---	---	---
9	90	72	80	98	86	91	81	78	79	---	---	---
10	96	79	86	111	87	93	80	75	78	---	---	---
11	127	80	99	102	75	84	78	74	76	---	---	---
12	122	88	107	76	58	71	79	71	76	---	---	---
13	136	84	107	81	64	76	81	74	77	---	---	---
14	118	97	108	88	73	80	81	75	80	---	---	---
15	155	103	127	107	82	90	86	76	81	---	---	---
16	156	119	138	91	72	79	82	69	78	---	---	---
17	144	114	125	100	80	86	85	76	80	---	---	---
18	153	102	112	89	75	80	92	76	83	---	---	---
19	148	112	127	82	70	75	88	69	78	---	---	---
20	134	76	101	83	67	77	91	84	86	---	---	---
21	122	89	104	92	82	87	92	82	88	---	---	---
22	117	96	103	89	83	86	91	81	86	---	---	---
23	106	90	99	84	79	81	89	82	86	---	---	---
24	100	85	93	80	74	77	90	86	87	---	---	---
25	113	90	101	75	64	69	---	---	---	93	88	91
26	121	98	110	72	60	66	---	---	---	92	89	91
27	121	101	114	69	59	63	---	---	---	97	91	93
28	101	79	93	68	59	62	---	---	---	98	92	95
29	106	87	95	66	61	64	---	---	---	94	92	93
30	137	90	110	68	61	65	---	---	---	94	91	93
31	132	106	119	---	---	---	---	---	---	94	90	92
Month	157	15	103	143	58	83	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	94	91	93	116	97	104	118	93	102	168	79	115
<b>2</b>	95	93	94	106	93	97	119	68	99	123	64	93
<b>3</b>	95	93	94	102	94	97	136	99	119	120	100	108
<b>4</b>	96	93	94	102	93	96	117	99	109	108	90	99
<b>5</b>	95	93	94	106	93	100	106	87	97	117	91	103
<b>6</b>	94	91	93	106	94	100	---	---	---	109	91	98
<b>7</b>	95	92	94	102	96	99	---	---	---	97	89	94
<b>8</b>	94	92	93	105	96	101	---	---	---	108	95	101
<b>9</b>	94	90	93	111	97	102	---	---	---	119	98	107
<b>10</b>	95	92	94	106	96	101	---	---	---	130	104	117
<b>11</b>	97	92	94	111	99	105	108	86	93	140	81	118
<b>12</b>	98	92	95	116	104	108	104	87	95	138	91	120
<b>13</b>	99	95	97	116	103	108	119	93	105	125	101	112
<b>14</b>	96	93	94	122	104	110	123	108	114	116	92	104
<b>15</b>	97	91	93	110	98	105	114	91	101	117	94	107
<b>16</b>	94	91	92	102	94	97	94	84	89	106	89	98
<b>17</b>	95	90	93	95	88	91	95	82	88	104	90	99
<b>18</b>	94	86	92	99	88	94	104	88	95	103	86	96
<b>19</b>	93	86	90	113	92	102	109	88	98	118	89	102
<b>20</b>	94	89	91	116	100	106	114	97	106	132	105	117
<b>21</b>	98	91	94	118	107	112	112	97	105	143	102	116
<b>22</b>	---	---	---	126	105	116	129	99	108	112	99	106
<b>23</b>	94	88	91	132	112	120	132	90	107	112	99	106
<b>24</b>	96	91	93	129	102	114	99	68	84	113	97	104
<b>25</b>	96	92	94	119	105	113	99	49	87	120	84	103
<b>26</b>	103	93	97	122	98	107	109	57	87	127	84	109
<b>27</b>	104	96	100	120	100	109	110	60	96	135	1	103
<b>28</b>	104	99	101	125	98	108	121	91	105	128	80	101
<b>29</b>	---	---	---	110	97	103	135	103	119	156	77	109
<b>30</b>	---	---	---	122	91	104	143	114	128	120	102	111
<b>31</b>	---	---	---	125	99	111	---	---	---	126	94	111
<b>Month</b>	---	---	---	132	88	105	---	---	---	168	1	106

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	123	91	107	112	86	99	133	87	108	129	51	97
2	120	78	105	116	95	105	117	82	105	108	74	93
3	108	97	100	122	96	109	134	78	104	112	15	80
4	120	93	105	134	89	113	171	77	114	---	---	---
5	124	100	113	118	78	99	142	61	109	---	---	---
6	145	104	122	115	78	95	119	49	94	---	---	---
7	141	104	127	140	83	99	171	4	80	119	74	98
8	139	103	117	135	33	94	129	66	99	114	68	96
9	139	57	107	126	77	96	170	73	115	100	90	95
10	130	90	113	109	67	85	124	67	90	112	5	74
11	137	1	99	99	55	82	126	74	92	147	68	105
12	150	25	110	136	61	100	189	85	110	109	42	84
13	130	100	121	134	73	114	185	99	139	101	14	73
14	114	87	103	126	80	111	187	93	132	110	76	89
15	111	82	99	120	75	100	175	82	125	122	74	97
16	126	93	103	114	58	84	128	56	90	103	85	94
17	138	91	108	116	56	82	102	11	82	104	82	90
18	138	59	94	123	77	101	---	---	---	105	73	90
19	131	55	89	135	10	77	---	---	---	100	66	84
20	92	56	78	104	27	69	---	---	---	100	30	68
21	115	66	89	90	57	77	---	---	---	107	40	77
22	126	51	91	113	79	96	---	---	---	116	46	84
23	115	36	89	122	52	91	---	---	---	123	54	89
24	102	56	90	123	33	92	132	76	105	121	75	98
25	104	52	85	123	47	102	146	56	106	117	45	88
26	120	0	69	143	47	112	128	31	88	119	69	99
27	122	1	67	137	105	122	102	1	68	124	46	96
28	116	27	85	117	95	108	113	40	86	117	76	102
29	99	58	78	122	82	101	134	48	90	104	87	96
30	111	72	90	120	85	100	141	33	94	98	80	90
31	---	---	---	122	86	97	132	40	98	---	---	---
Month	150	0	98	143	10	97	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	37	0	5	47	29	36	74	17	44	84	55	62
2	4	0	0	45	35	39	58	19	31	90	58	83
3	1	0	0	93	41	75	80	38	62	91	80	86
4	10	0	0	94	66	80	83	44	73	89	73	86
5	14	0	0	100	56	88	64	44	51	87	45	69
6	80	0	10	100	57	86	74	42	56	87	44	76
7	82	6	57	93	57	69	79	47	63	87	34	51
8	84	21	62	88	53	64	79	73	76	92	31	65
9	97	77	85	102	41	62	78	65	73	86	31	52
10	100	79	88	43	20	29	73	62	67	89	75	85
11	96	79	88	40	11	22	69	51	57	90	85	88
12	112	33	67	81	5	46	58	49	53	92	73	85
13	113	48	84	88	68	77	53	45	50	93	67	84
14	109	89	98	77	64	70	51	42	47	88	52	72
15	111	92	99	67	54	60	55	46	51	60	43	51
16	132	97	117	79	49	65	58	50	55	83	42	56
17	112	94	106	69	62	66	51	43	48	86	42	76
18	99	50	71	62	56	59	58	43	50	93	83	87
19	84	35	58	63	54	57	70	54	62	95	63	82
20	96	24	68	69	41	49	59	52	56	95	89	92
21	107	75	88	91	41	82	59	46	50	93	91	92
22	99	68	85	86	83	85	68	38	48	93	91	92
23	100	73	88	85	81	83	93	34	56	94	90	92
24	95	81	88	83	73	78	40	30	34	95	86	92
25	97	81	87	76	67	71	91	29	52	94	85	91
26	104	55	90	84	61	73	83	38	66	93	87	90
27	85	41	57	85	57	71	93	63	85	97	86	90
28	102	43	88	72	47	58	93	76	85	94	79	88
29	107	83	93	63	30	46	85	67	74	92	89	91
30	105	80	88	53	28	39	80	63	71	90	81	85
31	94	41	74	---	---	---	77	58	69	89	82	87
Month	132	0	67	102	5	63	93	17	59	97	31	80

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	93	84	88	112	94	102	23	0	4	43	17	25
<b>2</b>	93	70	84	104	93	97	14	0	0	48	1	13
<b>3</b>	94	63	75	98	87	93	12	0	3	88	0	6
<b>4</b>	67	56	60	99	86	93	6	0	1	102	19	75
<b>5</b>	95	54	83	102	92	97	90	0	38	96	36	82
<b>6</b>	94	72	91	102	91	97	---	---	---	100	1	84
<b>7</b>	93	66	86	100	93	97	---	---	---	98	88	95
<b>8</b>	94	89	92	102	94	97	---	---	---	106	91	99
<b>9</b>	93	90	92	106	95	99	---	---	---	104	70	95
<b>10</b>	94	91	92	101	91	97	---	---	---	101	56	87
<b>11</b>	93	89	92	100	80	89	99	43	87	96	55	79
<b>12</b>	90	82	87	107	81	99	111	85	99	91	15	55
<b>13</b>	94	77	86	107	64	95	121	98	107	110	16	76
<b>14</b>	96	92	93	102	56	76	125	107	116	102	72	89
<b>15</b>	93	89	91	85	54	61	117	93	103	101	50	84
<b>16</b>	92	67	89	95	49	72	94	84	90	103	73	90
<b>17</b>	92	62	77	92	44	80	91	81	87	98	59	84
<b>18</b>	91	67	81	94	83	88	98	83	89	100	64	89
<b>19</b>	88	77	84	97	49	80	104	78	93	94	65	85
<b>20</b>	91	79	84	66	47	58	110	93	102	84	56	70
<b>21</b>	94	81	87	99	42	62	108	31	51	121	21	68
<b>22</b>	---	---	---	59	24	34	65	25	36	109	87	100
<b>23</b>	91	65	87	62	18	31	50	13	22	112	98	105
<b>24</b>	90	78	87	34	4	14	20	6	11	113	95	103
<b>25</b>	92	74	80	110	1	29	41	5	24	112	45	94
<b>26</b>	85	64	72	101	2	27	34	17	22	101	30	81
<b>27</b>	93	56	70	25	1	10	91	10	34	93	16	70
<b>28</b>	101	71	91	7	0	0	72	33	50	97	27	69
<b>29</b>	---	---	---	99	0	64	39	24	34	74	11	34
<b>30</b>	---	---	---	87	2	45	37	21	27	111	1	57
<b>31</b>	---	---	---	52	6	25	---	---	---	98	62	83
<b>Month</b>	---	---	---	112	0	68	---	---	---	121	0	75

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	95	30	65	102	0	21	86	22	50	48	0	10
2	101	3	36	107	70	90	97	11	49	80	0	11
3	96	73	89	116	5	60	55	0	17	66	0	37
4	107	84	94	113	52	85	42	1	14	107	8	50
5	108	89	98	78	27	49	24	1	7	87	5	55
6	114	18	82	88	29	59	104	0	32	117	17	78
7	68	0	26	117	0	44	61	4	25	111	70	92
8	52	0	15	77	0	19	79	3	41	107	64	90
9	27	0	5	0	0	0	64	0	9	96	41	75
10	42	0	3	47	0	4	107	0	42	96	15	71
11	106	0	28	22	0	3	104	13	60	126	29	72
12	28	0	1	64	0	6	86	21	59	90	22	59
13	121	0	57	15	0	0	71	3	35	101	12	62
14	105	39	89	4	0	0	69	0	14	107	62	81
15	100	63	83	21	0	3	88	0	10	122	54	86
16	96	13	49	17	0	3	39	0	8	110	63	89
17	43	0	15	14	0	2	74	1	32	104	56	75
18	45	0	7	3	0	0	---	---	---	95	53	71
19	24	0	6	0	0	0	---	---	---	82	48	60
20	13	0	3	1	0	0	---	---	---	86	39	64
21	8	0	0	67	0	15	---	---	---	90	31	62
22	24	0	3	102	0	59	---	---	---	74	1	38
23	4	0	0	100	3	70	---	---	---	39	1	9
24	71	0	16	80	1	40	91	29	62	113	1	51
25	95	0	22	81	25	54	56	9	36	103	26	71
26	12	0	0	85	8	44	30	0	4	98	1	44
27	0	0	0	67	6	31	14	0	0	77	3	40
28	28	0	0	45	0	10	49	0	15	76	1	41
29	4	0	0	36	0	4	56	0	20	106	16	80
30	4	0	0	76	0	15	73	3	41	98	13	74
31	---	---	---	91	20	58	86	0	20	---	---	---
Month	121	0	30	117	0	27	---	---	---	126	0	60