

**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 June 2009 (discontinued).

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to June 2009.

pH (TOP AND BOTTOM): June 1996 to June 2009.

WATER TEMPERATURE (TOP): May to December 1989, January 1991 to July 1993, June 1996 to June 2009.

WATER TEMPERATURE (BOTTOM): June 1996 to June 2009.

DISSOLVED OXYGEN (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to June 2009.

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 June 2009.

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 June 2009. 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, 19.9 ppt, December 2; minimum recorded, 0.9 ppt, March 29

SALINITY (BOTTOM): Maximum recorded, 23.1 ppt, October 3; minimum recorded, 0.9 ppt, March 29.

pH (TOP): Maximum recorded, 9.2 standard units, April 1; minimum recorded, 6.9 standard units, March 16, April 14, 18.

pH (BOTTOM): Maximum recorded, 9.0 standard units, March 24; minimum recorded, 6.5 standard units, May 27, 28.

WATER TEMPERATURE (TOP): Maximum recorded, 27.9°C, June 2; minimum recorded, 4.1°C, January 22.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 25.1°C, May 27; minimum recorded, 5.7°C, February 6.

DISSOLVED OXYGEN (TOP): Maximum recorded, 19.0 mg/L, January 23; minimum recorded, 0.0 mg/L, May 27, 31, June 2, 3.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 13.5 mg/L, January 31; minimum recorded, 0.0 mg/L, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 194%, April 27; minimum recorded, 0%, May 27, 31, June 2, 3.

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DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 123%, January 31; minimum recorded, 0%, on several days during the year.

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<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>	17.6	12.4	14.3	15.3	13.5	14.6	19.4	15.8	17.7	15.2	10.7	12.2
<b>2</b>	16.9	10.7	13.5	15.7	13.0	14.5	19.9	13.7	18.2	12.7	9.3	10.8
<b>3</b>	17.9	10	13.4	15.4	13.2	14.4	17.9	12.8	14.9	10.9	8.8	10
<b>4</b>	19.0	12.4	15.9	16.1	14.0	15.6	17.9	14.6	16.9	10.8	7.7	9.3
<b>5</b>	18.5	14.7	16.5	16.9	14.5	15.7	17.8	10.0	13.5	12.4	7.2	10.1
<b>6</b>	15.7	6.9	10.5	15.9	14.9	15.3	15.9	11.3	13.6	14.9	9.9	12.5
<b>7</b>	11.2	7.3	8.5	15.4	14.1	14.7	15.0	12.3	13.8	15.6	11.0	14.6
<b>8</b>	12.0	6.7	8.2	16.5	13.9	15.3	15.4	14.2	14.6	15.5	11.0	14.6
<b>9</b>	11.8	10.1	10.9	16.7	14.3	16.0	15.3	14.3	14.7	14.7	9.9	12.5
<b>10</b>	12.7	8.0	10.4	15.3	14.0	14.9	15.8	15.3	15.7	13.3	9.0	11.7
<b>11</b>	10.4	7.8	8.6	---	---	---	15.9	15.0	15.6	14.1	11.4	12.9
<b>12</b>	10.0	7.0	8.2	15.6	14.6	15.1	15.5	13.4	15.1	12.9	9.3	11.5
<b>13</b>	13.3	6.5	9.8	15.5	12.6	14.3	14.8	12.6	13.6	10.9	6.3	8.8
<b>14</b>	13.0	6.6	10.2	15.3	13.5	14.5	14.5	11.5	12.8	8.8	6.2	7.9
<b>15</b>	15.3	10.9	12.5	15.8	13.8	15.3	13.0	11.1	11.9	12.7	6.9	10.2
<b>16</b>	17.1	13.1	14.5	---	---	---	12.1	7.5	10.4	11.4	9.7	10.3
<b>17</b>	17.3	13.5	14.6	---	---	---	14.5	6.3	11.0	10.0	7.9	8.8
<b>18</b>	17.5	14.1	14.6	---	---	---	13.9	5.5	10.2	12.2	8.5	10.4
<b>19</b>	18.4	16.1	17.4	---	---	---	12.1	6.8	10.4	10.7	5.3	8.4
<b>20</b>	18.0	16.4	17.5	17.0	12.6	15.0	12.0	4.9	7.6	8.1	3.4	5.8
<b>21</b>	17.1	15.7	16.5	13.1	11.6	12.3	10.4	4.7	7.1	9.3	5.4	8.2
<b>22</b>	17.1	16.4	16.9	13.9	11.6	12.9	10.8	7.5	9.5	12.4	8.3	10.7
<b>23</b>	16.9	16.5	16.7	13.8	10.5	12.4	9.8	8.3	9.1	15.1	10.8	13.3
<b>24</b>	16.7	15.2	16.0	16.1	10.6	13.0	10.6	6.2	7.6	15.1	7.9	11.5
<b>25</b>	15.9	15.3	15.6	16.7	13.2	14.8	11.3	7.2	8.8	10.9	5.8	9.2
<b>26</b>	15.7	15.1	15.5	15.0	11.1	13.2	8.4	4.3	7.4	12.0	4.6	7.3
<b>27</b>	16.1	14.3	15.6	16.1	11.1	12.6	5.9	2.1	3.8	13.1	7.1	11.4
<b>28</b>	---	---	---	17.9	13.0	15.7	13.1	5.9	10.0	13.5	10.9	12.3
<b>29</b>	16.9	16.1	16.5	16.7	8.0	13.1	13.1	4.3	8.9	13.5	8.9	10.3
<b>30</b>	17.1	15.5	16.4	17.9	12.6	14.9	11.1	4.3	7.4	10.4	9.7	10.0
<b>31</b>	16.1	13.7	15.4	---	---	---	17.1	7.7	13.6	10.9	9.2	10.1
<b>Month</b>	---	---	---	---	---	---	19.9	2.1	11.8	15.6	3.4	10.6

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	11.8	10.6	11.1	11.9	10.2	11.0	4.9	2.7	3.7	9.7	6.3	7.4
<b>2</b>	11.5	9.3	10.3	13.3	9.2	11.2	2.7	1.7	2.1	8.1	6.1	7.1
<b>3</b>	11.8	8.8	10.5	11.8	9.4	10.9	3.1	1.6	2.2	10.2	6.7	7.7
<b>4</b>	12.3	10.9	11.6	13.9	5.6	8.1	5.0	3.1	3.9	8.3	6.3	7.3
<b>5</b>	12.6	10	11.2	14.2	5.2	9.2	5.6	3.7	4.5	9.6	7.4	8.6
<b>6</b>	12.7	9.7	11.2	14.2	6.8	10	5.7	1.7	4.0	10.1	7.6	9.0
<b>7</b>	13.1	8.6	11.2	12.9	4.7	7.2	8.0	4.4	5.9	9.9	7.0	8.3
<b>8</b>	13.2	9.0	11.4	12.2	3.4	5.8	9.3	6.1	7.9	10.7	7.3	8.7
<b>9</b>	11.9	6.2	9.5	12.8	4.3	7.4	8.2	5.0	6.9	13.7	5.7	10.1
<b>10</b>	12.8	8.5	11.4	9.3	5.4	7.4	7.3	4.2	5.6	10	5.7	8.8
<b>11</b>	12.8	10.7	11.8	9.2	5.3	7.4	6.5	3.0	4.4	9.5	6.3	8.0
<b>12</b>	14.9	9.7	12.6	8.5	4.6	6.7	5.4	3.4	4.1	8.9	5.4	6.8
<b>13</b>	15.1	9.6	12.6	5.7	2.9	4.2	4.0	2.2	3.0	12.0	6.4	8.9
<b>14</b>	12.8	10.9	12.3	3.9	1.6	2.7	3.2	2.1	2.5	9.5	7.0	8.2
<b>15</b>	13.1	11.2	12.6	2.0	1.2	1.5	3.7	2.4	2.8	8.3	6.1	7.2
<b>16</b>	12.9	11.8	12.3	3.1	1.0	1.7	9.1	2.7	5.9	9.0	5.5	7.6
<b>17</b>	12.9	9.7	11.5	7.6	1.3	4.7	6.5	3.2	4.4	10.4	6.4	8.2
<b>18</b>	13.3	11.3	12.4	6.7	4.7	5.8	5.9	3.1	4.3	10.4	8.9	10
<b>19</b>	14.0	11.4	12.7	5.3	3.3	4.2	7.6	3.9	5.6	10.2	8.7	9.2
<b>20</b>	14.1	11.2	12.1	6.4	5.3	6.1	6.8	4.6	5.9	10	6.5	8.2
<b>21</b>	12.4	9.0	10.9	6.6	6.0	6.3	8.1	4.3	6.1	8.0	4.9	6.5
<b>22</b>	13.0	10.5	11.9	6.1	4.1	5.1	9.7	5.5	6.9	6.1	3.4	4.5
<b>23</b>	13.8	10.4	11.9	5.6	3.5	4.6	9.8	6.2	8.4	6.8	4.0	5.4
<b>24</b>	11.7	10.0	11.3	7.0	3.5	5.8	8.1	6.6	7.2	6.4	4.1	5.3
<b>25</b>	11.1	8.0	9.8	7.0	4.5	4.9	8.8	6.4	7.8	6.3	4.9	5.6
<b>26</b>	10.0	7.5	8.9	5.0	4.0	4.6	8.8	5.1	6.7	6.5	4.7	5.6
<b>27</b>	12.2	7.8	9.9	5.5	3.7	4.9	7.9	4.5	5.9	7.0	5.1	6.0
<b>28</b>	12.2	10.2	11.1	5.6	3.0	4.1	12.1	5.1	7.0	10.9	5.2	7.3
<b>29</b>	---	---	---	5.1	0.9	2.6	9.6	5.3	7.0	13.1	6.0	8.8
<b>30</b>	---	---	---	5.9	1.1	3.5	8.8	6.2	7.4	10.5	7.3	8.6
<b>31</b>	---	---	---	4.6	2.6	3.4	---	---	---	13.5	6.1	8.6
<b>Month</b>	15.1	6.2	11.4	14.2	0.9	5.9	12.1	1.6	5.3	13.7	3.4	7.7

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
1	10.2	8.6	9.4	---	---	---	---	---	---	---	---	---
2	11.3	8.2	9.5	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	---	---

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	21.7	18.6	21.1	18.0	16.3	17.2	21.4	18.1	20.1	16.0	12.1	14.9
<b>2</b>	23.0	21.5	22.3	18.1	16.6	17.8	21.0	20.2	20.8	16.0	15.7	15.9
<b>3</b>	23.1	22.2	22.8	17.3	14.8	15.8	20.8	20.2	20.5	16.1	15.7	15.9
<b>4</b>	22.6	21.7	22.3	16.5	15.5	15.8	20.5	19.6	20.4	16.3	15.7	15.9
<b>5</b>	23.0	21.5	22.4	16.9	15.1	16.3	20.3	18.8	20.1	17.0	16.2	16.7
<b>6</b>	22.5	21.0	21.9	16.9	15.5	16.2	20.4	20.1	20.4	17.1	15.9	16.5
<b>7</b>	22.3	17.5	21.0	16.5	15.9	16.2	20.3	14.7	17.9	16.5	11.2	14.8
<b>8</b>	20.8	18.8	19.9	17.4	16.5	16.8	17.3	15.4	16.1	16.9	11.2	15.5
<b>9</b>	20.2	18.4	19.4	18.7	16.7	17.9	18.1	16.5	17.2	15.9	12.9	14.3
<b>10</b>	19.9	12.6	16.0	21.1	15.3	18.5	17.1	15.9	16.1	17.1	13.1	16.1
<b>11</b>	15.0	12.4	13.6	21.3	14.6	18.9	16.1	15.7	15.8	16.1	13.0	15.0
<b>12</b>	14.9	12.4	13.9	20.0	14.9	16.3	15.9	14.7	15.4	13.5	12.4	13.0
<b>13</b>	15.1	13.5	14.3	17.7	15.6	16.2	15.9	13.0	14.7	13.5	9.8	12.6
<b>14</b>	17.3	14.8	15.9	18.3	15.9	17.2	17.3	13.8	15.9	14.6	8.8	12.8
<b>15</b>	18.0	16.4	17.5	18.1	15.1	16.1	16.4	14.6	15.5	15.2	11.3	14.3
<b>16</b>	19.5	18.0	18.9	17.9	15.3	16.8	16.7	14.1	15.8	16.9	10.4	13.2
<b>17</b>	19.6	14.8	19.4	17.9	15.7	16.9	16.5	14.7	16.1	17.4	9.7	15.7
<b>18</b>	19.0	14.2	15.3	16.8	13.3	14.6	16.6	16.1	16.4	15.7	14.7	15.3
<b>19</b>	18.4	17.3	17.9	---	---	---	16.3	15.0	15.8	16.8	14.0	16.1
<b>20</b>	18.2	17.5	17.8	18.7	15.9	17.6	17.3	15.7	16.6	16.7	9.0	14.2
<b>21</b>	18.6	17.4	18.1	17.3	11.7	13.7	16.7	14.2	15.5	16.2	13.1	15.2
<b>22</b>	18.2	16.5	17.0	17.6	11.7	15.8	16.7	8.6	11.6	16.1	15.2	15.7
<b>23</b>	16.9	16.5	16.7	18.0	17.3	17.7	17.1	10.4	14.5	16.1	14.8	15.6
<b>24</b>	16.7	15.9	16.4	17.7	17.5	17.6	16.7	13.1	15.8	16.0	15.0	15.7
<b>25</b>	16.8	15.5	16.0	17.6	15.2	16.8	15.9	13.5	15.1	16.5	14.6	15.7
<b>26</b>	16.9	15.5	16.4	20.8	15.9	18.6	16.0	14.8	15.8	17.5	15.1	16.5
<b>27</b>	17.0	15.6	16.6	21.0	20.5	20.8	16.1	15.2	15.7	17.5	15.2	16.7
<b>28</b>	16.3	15.7	16.0	20.9	20.5	20.7	15.5	13.7	14.6	16.1	13.0	14.6
<b>29</b>	16.9	16.3	16.5	21.9	20.7	21.3	17.0	13.0	14.9	14.4	12.8	13.7
<b>30</b>	17.0	16.2	16.7	21.9	20.5	21.3	17.5	17.0	17.3	14.0	10.2	13.2
<b>31</b>	16.3	15.9	16.1	---	---	---	17.3	13.0	15.5	12.6	9.9	11.2
<b>Month</b>	23.1	12.4	17.9	---	---	---	21.4	8.6	16.6	17.5	8.8	14.9

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	13.0	11.5	12.1	12.2	10.9	11.5	14.0	7.2	10.7	14.9	8.5	13.5
<b>2</b>	13.3	11.8	13.0	13.9	10.2	12.4	14.9	10.0	13.4	15.7	13.7	15.0
<b>3</b>	15.1	10.5	12.0	14.0	11.6	12.8	13.4	8.8	11.5	15.7	10.3	14.0
<b>4</b>	15.5	11.5	12.7	15.2	11.6	14.6	14.6	10.4	13.3	15.1	10.3	14.2
<b>5</b>	13.8	11.8	13.0	15.3	14.8	15.1	14.3	12.4	13.5	15.1	12.4	13.9
<b>6</b>	15.2	12.6	14.2	14.9	13.9	14.6	13.1	3.3	11.0	13.3	9.8	11.6
<b>7</b>	15.5	14.2	15.2	14.5	14.2	14.4	11.7	7.3	9.7	13.1	8.8	11.3
<b>8</b>	17.7	13.1	15.2	14.6	14.2	14.4	9.8	8.0	8.8	15.1	12.2	13.7
<b>9</b>	18.5	14.8	17.8	16.2	13.0	14.8	8.7	7.5	8.0	16.7	13.7	15.6
<b>10</b>	17.4	15.7	16.8	16.2	9.8	14.7	8.0	7.0	7.6	17.5	12.0	16.2
<b>11</b>	17.1	12.4	15.2	14.7	9.4	12.8	8.7	3.9	6.6	18.0	11.2	16.0
<b>12</b>	18.4	10.5	15.6	13.3	7.2	8.6	12.0	4.3	6.9	17.2	9.7	14.6
<b>13</b>	16.5	15.1	15.9	8.7	5.6	7.8	11.5	6.0	9.7	16.4	9.3	12.7
<b>14</b>	15.9	12.7	14.1	13.5	6.6	10.2	8.1	5.9	6.9	13.3	8.5	11.4
<b>15</b>	14.7	12.6	13.1	13.5	12.5	13.0	12.9	7.0	10.0	11.8	9.9	11.2
<b>16</b>	12.8	11.8	12.3	13.8	12.2	13.2	12.9	6.1	9.0	10.6	9.4	10.2
<b>17</b>	14.2	12.1	13.0	14.0	9.0	12.6	13.8	7.2	10.2	11.3	8.5	10.6
<b>18</b>	15.6	11.5	14.3	14.4	9.2	12.8	13.7	6.4	11.2	10.9	9.8	10.2
<b>19</b>	14.4	11.5	13.2	13.3	10.4	12.4	13.6	10.4	12.7	12.7	8.9	9.9
<b>20</b>	14.0	11.7	13.1	13.7	6.0	10.2	---	---	---	12.6	9.2	10.6
<b>21</b>	14.0	12.8	13.3	13.9	6.5	9.8	---	---	---	12.8	9.1	10.8
<b>22</b>	14.4	11.7	13.0	11.1	6.0	7.4	---	---	---	13.1	11.4	12.5
<b>23</b>	13.7	11.3	12.6	11.4	5.4	9.6	---	---	---	11.7	8.1	10.1
<b>24</b>	15.5	11.3	12.9	9.2	6.2	7.3	10.2	8.7	9.6	12.0	9.2	11.0
<b>25</b>	16.7	14.6	16.1	7.1	5.0	6.1	10.5	9.0	9.9	12.6	10.7	12.0
<b>26</b>	15.7	14.4	15.2	6.1	5.0	5.8	11.1	9.9	10.7	13.1	7.5	10.9
<b>27</b>	15.9	13.2	15.2	6.4	6.0	6.3	13.9	10.9	13.1	14.8	7.5	11.5
<b>28</b>	14.9	11.3	13.0	9.8	5.4	6.6	15.0	13.1	14.4	15.3	14.5	15.1
<b>29</b>	---	---	---	12.0	0.9	5.3	16.9	13.9	15.3	15.3	14.1	14.9
<b>30</b>	---	---	---	17.0	11.4	15.0	16.9	14.9	16.5	16.9	15.1	16.0
<b>31</b>	---	---	---	16.7	12.0	15.0	---	---	---	17.3	16.3	16.9
<b>Month</b>	18.5	10.5	14.0	17.0	0.9	11.2	---	---	---	18.0	7.5	12.8

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	17.5	16.3	17.1	---	---	---	---	---	---	---	---	---
2	17.1	16.0	16.5	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.1	7.8	7.9	8.4	8.2	8.3	9.2	8.5	8.8	8.2	7.3	7.7
2	8.3	7.8	8.1	8.2	7.9	8.1	8.9	7.9	8.3	7.9	7.3	7.6
3	8.0	7.8	7.9	8.2	7.9	8.1	8.1	7.4	7.6	7.8	7.4	7.6
4	8.0	7.7	7.8	8.3	8.0	8.2	8.2	7.4	7.8	7.6	7.1	7.3
5	7.8	7.5	7.7	8.4	7.8	8.1	8.2	7.6	7.9	7.5	7.0	7.3
6	8.1	7.6	7.8	8.6	8.0	8.3	8.0	7.2	7.3	7.5	7.1	7.3
7	8.3	7.6	8.0	8.6	8.0	8.4	7.5	7.2	7.2	7.6	7.2	7.3
8	8.2	7.6	8.1	8.5	7.6	8.2	7.6	7.3	7.4	7.9	7.1	7.3
9	8.4	8.0	8.2	8.3	7.4	7.9	7.8	7.3	7.4	7.6	7.2	7.3
10	8.3	8.1	8.2	8.6	7.8	8.2	8.0	7.3	7.5	7.6	7.2	7.3
11	8.3	7.8	8.2	8.6	8.0	8.5	7.9	7.1	7.2	8.2	7.3	7.9
12	7.9	7.5	7.8	8.6	7.9	8.4	7.8	7.1	7.2	8.9	7.7	8.2
13	7.9	7.7	7.9	8.2	7.5	7.7	7.4	7.0	7.1	8.8	7.9	8.4
14	8.0	7.7	7.8	7.6	7.1	7.4	7.4	6.9	7.0	8.3	8.0	8.2
15	7.9	7.6	7.7	7.2	7.0	7.1	7.3	7.0	7.1	8.3	7.5	8.0
16	7.8	7.5	7.7	7.3	6.9	7.1	7.4	7.1	7.2	8.3	7.4	7.8
17	8.0	7.6	7.8	8.0	7.0	7.4	7.3	6.9	7.1	8.2	7.3	7.5
18	7.9	7.3	7.7	7.8	7.3	7.4	7.2	6.9	7.1	7.7	7.4	7.5
19	7.6	7.3	7.5	8.5	7.3	7.7	7.3	7.1	7.2	7.8	7.6	7.7
20	7.8	7.5	7.6	8.3	7.5	7.7	8.0	7.2	7.3	8.3	7.6	7.8
21	7.9	7.4	7.7	8.4	7.7	8.0	7.9	7.1	7.3	8.9	7.9	8.3
22	7.8	7.3	7.5	8.6	7.8	8.1	7.8	7.1	7.3	8.7	7.4	8.2
23	7.8	7.4	7.6	8.8	8.2	8.4	8.2	7.3	7.6	9.0	7.8	8.5
24	7.8	7.4	7.6	8.8	8.3	8.4	8.4	7.9	8.0	8.4	7.4	8.0
25	8.6	7.7	8.4	8.6	8.3	8.5	8.4	7.4	7.7	8.3	7.3	8.0
26	8.7	8.5	8.6	8.9	8.5	8.6	8.6	7.4	7.8	8.6	7.8	8.3
27	8.6	8.4	8.5	8.5	7.6	7.9	9.0	7.3	8.0	8.6	7.3	8.1
28	8.6	8.4	8.5	8.2	7.4	7.9	8.9	7.1	7.8	8.4	7.3	7.7
29	---	---	---	7.7	7.3	7.5	8.6	7.4	7.8	7.7	7.2	7.3
30	---	---	---	8.7	7.3	7.7	8.6	7.6	8.0	8.3	7.2	7.5
31	---	---	---	9.0	8.2	8.6	---	---	---	8.3	7.3	7.6
<b>Max</b>	8.7	8.5	8.6	9.0	8.5	8.6	9.2	8.5	8.8	9.0	8.0	8.5
<b>Min</b>	7.6	7.3	7.5	7.2	6.9	7.1	7.2	6.9	7.0	7.5	7.0	7.3

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.5	7.6	8.0	---	---	---	---	---	---	---	---	---
2	8.2	7.4	7.6	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.9	7.0	7.4	8.3	8.0	8.2	7.9	7.3	7.4	7.7	7.0	7.1
2	7.9	7.2	7.5	8.1	7.7	7.9	7.4	7.3	7.3	7.2	7.1	7.1
3	8.0	7.1	7.8	8.0	7.7	7.8	7.4	7.2	7.3	7.4	7.1	7.1
4	7.8	7.1	7.7	8.0	7.8	7.9	7.4	7.3	7.3	7.2	7.1	7.1
5	7.6	7.4	7.5	7.9	7.7	7.8	7.4	7.2	7.3	7.5	7.1	7.2
6	7.6	7.2	7.3	8.0	7.6	7.8	7.6	7.1	7.2	7.6	7.1	7.3
7	7.7	7.3	7.5	7.8	7.5	7.7	7.8	7.1	7.3	7.5	7.2	7.3
8	7.8	7.1	7.6	7.8	7.5	7.6	8.3	7.6	7.8	7.3	7.2	7.2
9	7.7	7.2	7.3	7.8	7.4	7.6	8.3	7.5	7.9	7.4	7.3	7.3
10	7.5	7.0	7.2	8.3	7.3	7.5	8.0	7.4	7.6	7.4	7.3	7.3
11	8.0	7.1	7.2	8.4	7.0	7.0	7.9	7.2	7.5	7.5	7.3	7.4
12	7.8	7.1	7.5	8.4	6.9	8.2	7.7	7.1	7.5	7.6	7.4	7.5
13	7.7	7.4	7.6	8.3	7.5	8.0	7.3	7.1	7.2	7.9	7.4	7.5
14	7.9	7.3	7.4	8.1	7.0	7.9	7.4	7.0	7.2	7.9	6.6	6.9
15	7.9	7.2	7.8	7.6	7.1	7.2	7.2	7.1	7.2	7.3	6.8	7.0
16	7.9	7.7	7.8	7.2	7.0	7.1	7.6	7.1	7.3	7.1	6.7	6.9
17	8.0	7.7	7.8	7.8	7.0	7.1	7.5	7.1	7.2	7.3	6.8	6.8
18	7.8	7.5	7.7	7.6	7.1	7.1	7.5	7.2	7.2	7.2	7.0	7.1
19	7.8	7.5	7.7	7.6	6.9	7.4	7.3	7.1	7.2	7.2	6.9	7.2
20	7.8	7.6	7.7	8.1	7.5	7.6	---	---	---	7.5	6.8	7.1
21	7.7	7.2	7.4	8.6	7.5	7.7	---	---	---	7.2	6.7	6.9
22	7.8	7.3	7.6	8.5	7.6	8.3	---	---	---	7.0	6.7	6.8
23	7.9	7.6	7.7	8.7	7.5	7.6	---	---	---	7.0	6.7	6.8
24	7.9	7.7	7.8	9.0	7.4	7.9	7.6	7.0	7.2	7.1	6.7	6.9
25	8.0	7.6	7.8	8.9	8.4	8.7	7.4	6.9	7.0	7.0	6.7	6.8
26	7.8	7.6	7.7	8.9	8.6	8.7	7.2	6.9	7.0	7.2	6.6	6.7
27	8.1	7.5	7.7	8.6	7.7	8.0	7.0	7.0	7.0	7.3	6.5	6.8
28	8.3	7.5	8.0	8.2	7.4	7.6	7.1	7.0	7.0	6.7	6.5	6.6
29	---	---	---	7.8	7.4	7.6	7.1	7.0	7.0	7.0	6.7	6.7
30	---	---	---	7.8	7.5	7.6	7.1	7.0	7.1	6.8	6.6	6.7
31	---	---	---	7.8	7.5	7.7	---	---	---	6.7	6.7	6.7
<b>Max</b>	8.3	7.7	8.0	9.0	8.6	8.7	---	---	---	7.9	7.4	7.5
<b>Min</b>	7.5	7.0	7.2	7.2	6.9	7.0	---	---	---	6.7	6.5	6.6

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	6.8	6.7	6.8	---	---	---	---	---	---	---	---	---
2	6.8	6.7	6.8	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

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

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<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>	23.7	22.7	23.1	14.1	13.5	13.8	11.3	10.3	10.9	10.0	7.8	8.8
<b>2</b>	22.9	21.5	22.2	14.4	13.3	13.9	10.3	8.3	9.8	8.9	7.0	8.2
<b>3</b>	23.1	22.0	22.6	15.3	14.3	14.8	10.1	8.3	9.5	8.3	7.8	8.1
<b>4</b>	22.5	21.1	22.1	15.6	15.3	15.5	10.6	9.3	9.9	8.7	8.0	8.4
<b>5</b>	23.0	22.3	22.6	15.9	15.5	15.8	10.6	9.3	9.7	10.5	8.3	9.1
<b>6</b>	23.0	21.6	22.4	16.1	15.4	15.8	9.6	8.3	9.0	11.0	9.1	9.9
<b>7</b>	22.6	21.4	21.9	16.9	15.5	16.1	9.7	8.6	9.1	11.6	10.1	11.0
<b>8</b>	22.3	20.4	21.0	16.6	15.8	16.3	9.1	7.9	8.4	11.2	10.1	10.6
<b>9</b>	22.2	21.6	21.9	16.3	15.6	16.0	9.2	7.6	8.3	10.1	8.6	9.5
<b>10</b>	22.2	21.7	21.9	16.1	15.1	15.4	10.8	9.2	10	10.4	9.7	10.1
<b>11</b>	21.9	21.5	21.7	---	---	---	12.7	10.2	11.0	11.4	10.4	10.8
<b>12</b>	22.0	21.2	21.6	14.9	13.7	14.2	12.6	11.8	12.2	10.8	9.8	10.4
<b>13</b>	22.9	21.1	21.6	14.8	14.0	14.5	11.8	10.4	11.1	10.0	8.9	9.4
<b>14</b>	22.4	21.0	21.8	15.6	14.8	15.1	11.0	9.5	10.2	9.1	8.3	8.8
<b>15</b>	23.0	20.8	21.8	17.0	15.2	16.1	11.5	10.1	10.8	9.3	8.0	8.7
<b>16</b>	22.6	21.6	22.1	---	---	---	12.1	11.4	11.7	8.1	6.3	7.2
<b>17</b>	22.4	21.4	22.0	---	---	---	12.1	11.7	11.9	6.3	4.8	5.5
<b>18</b>	21.9	20.0	20.9	---	---	---	13.4	11.9	12.6	7.6	4.7	6.0
<b>19</b>	20.5	18.9	19.5	---	---	---	13.5	12.6	13.0	6.7	5.5	5.9
<b>20</b>	18.9	17.7	18.3	11.3	9.7	10.5	14.9	12.7	13.8	6.3	4.5	5.6
<b>21</b>	18.0	16.8	17.4	10.2	9.2	9.8	14.7	13.2	14.0	5.2	4.4	4.8
<b>22</b>	17.6	17.0	17.2	9.2	8.0	8.4	13.2	9.4	11.2	6.6	4.1	5.2
<b>23</b>	17.0	16.1	16.4	8.1	6.9	7.5	9.5	8.2	8.9	7.6	5.0	6.3
<b>24</b>	16.2	15.8	16.0	8.8	7.4	7.9	9.7	8.2	8.7	7.5	6.5	6.8
<b>25</b>	17.2	16.0	16.6	9.7	8.4	9.1	11.1	9.7	10.7	6.9	5.3	6.2
<b>26</b>	17.7	16.8	17.1	9.2	7.9	8.7	11.3	10.7	10.9	6.0	5.0	5.4
<b>27</b>	17.6	16.7	17.2	9.8	8.0	9.1	11.5	10.8	11.1	6.7	5.7	6.1
<b>28</b>	---	---	---	10.5	8.6	9.5	12.3	10.7	11.5	8.8	6.2	7.4
<b>29</b>	15.2	14.1	14.6	11.0	9.6	10.3	13.1	11.7	12.5	9.1	8.3	8.6
<b>30</b>	14.6	13.2	13.8	10.9	9.8	10.3	12.8	10.9	11.8	9.2	8.2	8.6
<b>31</b>	14.3	12.8	13.4	---	---	---	11.7	10.0	11.1	8.6	7.4	8.0
<b>Month</b>	---	---	---	---	---	---	14.9	7.6	10.8	11.6	4.1	7.9

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	8.5	7.2	7.8	10.0	9.3	9.5	16.4	15.2	15.7	22.9	21.6	22.2
<b>2</b>	9.0	7.8	8.4	9.3	7.4	8.5	16.4	16.0	16.2	22.7	20.9	22.0
<b>3</b>	8.9	7.9	8.3	7.4	6.4	7.0	18.0	16.3	17.0	24.1	22.1	22.9
<b>4</b>	7.9	6.7	7.3	7.2	5.6	6.3	17.7	16.3	17.0	24.4	22.7	23.4
<b>5</b>	6.7	5.5	6.0	8.2	6.7	7.2	18.2	16.4	17.2	23.2	22.6	22.9
<b>6</b>	5.8	4.9	5.4	10.4	7.2	8.7	18.9	17.3	18.0	24.1	22.6	23.3
<b>7</b>	6.4	4.8	5.5	12.7	9.3	10.9	17.3	15.1	16.1	24.0	23.1	23.5
<b>8</b>	8.0	5.8	6.8	12.9	10.4	11.8	15.5	13.7	14.7	25.1	23.1	23.9
<b>9</b>	9.4	7.8	8.5	14.0	10.2	12.5	15.9	14.2	15.1	24.8	22.8	23.8
<b>10</b>	9.9	8.4	9.0	13.9	12.7	13.3	17.7	15.4	16.2	27.3	23.9	25.0
<b>11</b>	10.7	9.2	10	15.2	13.4	14.0	17.6	16.1	16.9	25.7	22.6	24.2
<b>12</b>	11.0	10.0	10.6	14.8	13.6	14.3	17.8	16.1	16.7	23.8	21.6	22.6
<b>13</b>	11.1	9.9	10.6	13.9	12.3	12.9	16.9	16.4	16.7	22.9	21.8	22.3
<b>14</b>	10.9	10.4	10.6	12.3	11.8	12.0	16.8	16.4	16.6	22.4	21.6	22.0
<b>15</b>	10.8	10.0	10.4	12.0	11.8	11.9	16.8	16.2	16.5	23.4	22.1	22.8
<b>16</b>	10.3	9.6	10	12.3	11.9	12.0	16.3	15.1	15.6	24.6	22.9	23.5
<b>17</b>	9.7	8.6	9.2	12.0	11.4	11.8	16.4	14.5	15.3	24.4	22.4	23.2
<b>18</b>	9.6	9.1	9.3	12.5	10.9	11.4	18.1	15.2	16.1	22.4	20.0	21.2
<b>19</b>	10.8	9.6	10.2	14.9	12.1	13.2	17.3	15.0	16.2	20.1	18.9	19.3
<b>20</b>	10.2	9.0	9.5	13.7	12.6	13.1	18.6	16.4	17.4	20.0	18.1	19.1
<b>21</b>	9.6	7.2	8.6	13.3	11.9	12.6	19.3	17.7	18.4	22.3	19.2	20.4
<b>22</b>	9.9	8.7	9.4	13.4	11.8	12.6	18.4	17.0	17.9	22.5	20.7	21.3
<b>23</b>	8.9	7.8	8.3	13.7	12.3	13.1	18.3	16.2	17.3	24.0	21.4	22.8
<b>24</b>	8.3	7.2	7.7	13.1	12.4	12.7	20.3	17.5	18.5	24.1	23.2	23.7
<b>25</b>	8.0	6.2	7.1	12.6	12.1	12.3	20.8	17.9	19.2	24.9	23.7	24.3
<b>26</b>	8.2	6.3	7.0	12.6	11.9	12.2	23.4	18.9	20.4	25.3	24.2	24.7
<b>27</b>	9.3	7.7	8.5	14.1	12.2	13.0	24.6	19.8	21.7	25.5	24.5	25.0
<b>28</b>	10.6	9.2	9.7	15.5	13.4	14.6	23.4	19.4	21.4	25.9	23.8	24.8
<b>29</b>	---	---	---	16.9	14.0	15.6	24.6	20.2	21.5	25.6	23.5	24.4
<b>30</b>	---	---	---	16.3	14.5	15.3	24.0	21.2	22.2	26.7	23.9	24.8
<b>31</b>	---	---	---	16.4	14.9	15.8	---	---	---	27.2	23.3	25.5
<b>Month</b>	11.1	4.8	8.6	16.9	5.6	12.0	24.6	13.7	17.5	27.3	18.1	23.1

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
1	26.8	24.5	25.6	---	---	---	---	---	---	---	---	---
2	27.9	25.1	26.0	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	22.2	21.7	21.8	15.0	13.4	14.3	11.3	10.8	11.0	10.1	8.7	9.3
2	21.8	21.6	21.8	15.2	14.1	14.9	10.9	10.2	10.5	9.5	9.2	9.4
3	21.9	21.8	21.8	15.3	13.7	14.7	10.7	10.2	10.5	9.8	9.5	9.6
4	22.0	21.8	21.9	15.7	15.3	15.5	10.8	10.5	10.6	10.1	9.5	9.8
5	22.2	22.0	22.1	16.0	15.6	15.9	10.9	10.3	10.7	10.1	9.8	9.9
6	22.2	22.1	22.1	16.1	15.7	15.9	11.0	10.6	10.9	10.1	9.6	9.9
7	22.3	22.1	22.2	16.2	16.0	16.1	10.9	8.8	10.1	11.6	9.9	10.9
8	22.5	22.3	22.4	16.5	16.1	16.2	9.4	8.3	8.9	11.2	10.2	10.6
9	22.5	22.4	22.4	16.3	15.6	16.1	9.9	9.0	9.4	10.3	9.2	9.7
10	22.5	21.9	22.2	16.4	15.3	16.0	10.2	9.5	9.9	10.6	10.1	10.4
11	22.1	21.9	22.1	16.2	14.8	15.7	12.7	10.2	11.1	10.8	10.4	10.6
12	21.9	21.5	21.7	15.9	14.0	14.6	12.6	11.8	12.2	10.8	10.2	10.5
13	21.9	21.6	21.7	15.2	14.4	14.8	11.8	10.8	11.1	10.7	9.6	10.2
14	22.1	21.5	21.8	15.6	14.8	15.2	11.0	9.6	10.6	10.0	8.6	9.6
15	22.2	21.9	22.1	17.0	15.0	16.2	10.9	10.4	10.7	10.0	8.3	9.6
16	22.2	21.9	22.0	16.7	14.9	15.8	11.4	10.9	11.0	9.3	7.1	8.1
17	22.1	22.0	22.0	15.6	14.0	14.9	11.7	11.2	11.5	9.3	6.0	8.2
18	22.0	20.1	21.1	14.8	12.4	13.5	11.7	11.5	11.6	8.3	7.4	8.0
19	20.9	19.0	19.8	---	---	---	12.0	11.7	11.8	9.0	7.3	8.5
20	19.0	17.9	18.4	13.0	11.1	12.0	11.9	11.6	11.8	8.9	5.9	7.5
21	19.1	18.3	18.8	12.0	9.3	10.3	12.5	11.9	12.1	7.3	6.4	6.9
22	18.9	17.1	17.5	10.1	8.3	9.0	12.2	10.0	11.2	6.8	6.4	6.6
23	17.1	16.2	16.5	10.3	9.3	10	11.1	9.6	10.6	7.7	6.6	6.9
24	16.5	16.0	16.2	10.1	9.8	9.9	11.0	9.8	10.7	7.3	6.8	7.0
25	17.2	16.1	16.6	10.3	9.5	9.9	10.8	10.3	10.6	7.1	6.8	7.0
26	17.4	16.9	17.2	10.5	9.3	10.1	11.0	10.6	10.9	6.8	5.9	6.3
27	17.6	16.8	17.3	10.8	10.5	10.7	11.0	10.9	11.0	6.6	6.1	6.3
28	16.8	15.2	15.9	10.9	10.6	10.8	11.6	10.8	11.1	8.9	6.2	7.4
29	15.4	14.2	14.7	10.7	10.5	10.5	11.8	11.1	11.4	8.8	8.5	8.7
30	14.6	13.6	14.0	10.8	10.5	10.6	11.2	11.0	11.1	8.8	8.6	8.7
31	13.7	13.0	13.4	---	---	---	11.7	10.1	11.1	8.7	7.9	8.2
Month	22.5	13.0	19.7	---	---	---	12.7	8.3	10.9	11.6	5.9	8.7

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	9.0	7.8	8.1	10.0	9.5	9.7	15.3	13.7	14.4	22.1	18.7	19.4
2	8.4	8.0	8.1	9.6	8.2	8.9	14.6	13.4	13.8	20.5	18.9	19.6
3	8.3	7.9	8.1	8.2	7.0	7.5	15.2	13.9	14.4	22.6	19.4	20.4
4	8.1	7.0	7.5	7.9	6.9	7.5	15.3	14.3	14.7	22.8	20.4	21.1
5	7.2	5.8	6.1	7.8	7.5	7.6	15.6	14.9	15.3	22.6	21.0	21.9
6	6.5	5.7	6.2	9.2	7.7	8.2	18.5	15.4	16.1	24.1	21.9	22.7
7	6.4	6.1	6.3	9.0	8.8	8.9	16.9	15.3	16.3	23.9	22.5	23.0
8	7.0	5.8	6.3	9.3	8.8	9.0	15.6	14.1	14.9	22.9	22.1	22.4
9	7.8	6.8	7.0	10.2	9.1	9.4	15.3	14.2	14.8	24.6	22.6	23.2
10	8.1	7.2	7.4	13.6	9.1	10.2	16.6	15.1	15.6	23.8	22.9	23.3
11	10.5	7.8	8.5	13.7	10.1	11.2	17.4	15.9	16.5	24.0	23.1	23.4
12	10.8	8.2	9.6	14.8	10.6	14.0	16.8	16.0	16.4	23.5	22.6	23.0
13	10.6	9.9	10.2	14.3	12.7	13.7	16.4	16.0	16.2	23.0	22.0	22.5
14	11.0	10.4	10.6	12.9	11.7	12.2	16.4	16.2	16.3	22.8	21.9	22.4
15	10.8	10.1	10.4	12.1	11.8	12.0	16.3	16.1	16.2	22.6	22.2	22.3
16	10.4	9.5	10	12.0	11.8	11.9	16.4	15.3	15.8	22.9	22.5	22.8
17	9.5	8.7	9.0	12.1	11.7	11.8	16.2	15.4	15.9	23.0	22.4	22.7
18	9.6	9.0	9.3	11.9	11.6	11.7	16.1	15.4	16.0	22.4	20.3	21.2
19	10.7	9.6	10.1	11.9	11.6	11.8	16.1	15.9	16.0	20.9	19.0	19.6
20	10.1	9.1	9.4	13.0	11.8	12.3	---	---	---	19.5	18.6	19.1
21	9.5	8.7	9.2	13.4	11.8	12.3	---	---	---	20.9	19.3	19.6
22	9.7	8.8	9.4	12.9	12.1	12.4	---	---	---	21.3	20.2	20.6
23	8.8	7.7	8.1	13.4	12.4	12.6	---	---	---	21.0	20.3	20.6
24	8.4	7.0	7.6	13.2	12.3	12.7	18.0	17.0	17.5	21.6	20.2	20.9
25	8.4	8.1	8.3	12.4	11.9	12.1	18.8	17.2	17.7	22.2	20.7	21.0
26	8.5	8.2	8.3	12.2	11.8	11.9	18.7	17.4	17.8	25.0	20.7	22.0
27	9.4	8.4	8.7	12.8	12.1	12.3	18.1	17.8	18.0	25.1	20.7	22.5
28	10.0	9.0	9.6	13.6	12.4	12.9	18.4	18.0	18.1	22.3	20.7	21.4
29	---	---	---	16.9	12.3	14.5	18.4	17.9	18.1	22.5	21.5	21.9
30	---	---	---	14.0	12.0	12.7	19.2	17.9	18.2	22.1	21.6	21.8
31	---	---	---	13.8	12.8	13.3	---	---	---	22.0	21.6	21.7
Month	11.0	5.7	8.5	16.9	6.9	11.3	---	---	---	25.1	18.6	21.6

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
1	22.2	21.5	21.8	---	---	---	---	---	---	---	---	---
2	23.0	21.7	22.2	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	8.3	3.1	6.0	9.3	5.3	8.4	9.5	7.5	8.4	13.1	9.2	10.9
2	9.0	6.0	7.3	---	---	---	10.4	8.5	9.1	13.6	10.9	12.2
3	8.6	4.7	7.0	9.8	8.5	9.2	10.9	9.6	10.2	12.5	11.6	11.9
4	8.0	3.1	6.0	8.6	8.2	8.4	11.2	9.7	10.2	13.5	11.8	12.7
5	8.4	1.8	6.0	8.6	8.0	8.4	11.2	9.5	10.7	16.9	11.9	14.4
6	11.0	3.5	8.0	8.8	4.8	8.2	11.5	10.3	10.9	15.7	8.0	12.4
7	10.9	9.5	10.0	9.3	6.2	8.3	11.5	9.4	10.4	9.3	6.8	8.2
8	9.9	7.5	9.3	8.9	7.1	8.4	10.9	9.6	10.2	11.8	8.6	9.9
9	9.2	5.3	7.8	9.3	6.5	8.3	13.7	10.4	11.1	15.4	10.2	12.0
10	9.4	6.0	8.6	9.7	8.2	9.0	12.0	9.2	10.8	14.9	9.8	13.2
11	8.8	7.7	8.4	---	---	---	11.4	9.9	10.9	15.7	8.1	10.8
12	9.5	7.9	8.6	10.0	9.2	9.6	11.1	9.1	10.0	14.7	11.4	12.4
13	11.2	6.2	8.6	10.0	9.2	9.6	12.6	10.1	11.0	13.0	11.5	12.2
14	11.4	7.8	9.4	9.6	7.6	9.1	13.5	10.8	11.9	14.4	11.1	12.4
15	10.5	6.9	9.2	9.1	8.0	8.5	12.8	10.2	12.0	14.3	9.9	12.3
16	9.4	5.3	7.9	---	---	---	13.9	10.6	12.4	13.0	10.6	11.9
17	8.7	6.1	7.6	---	---	---	13.2	12.0	12.5	13.8	11.7	12.2
18	8.0	5.6	7.4	---	---	---	13.3	9.6	12.5	14.7	9.9	12.8
19	7.6	5.6	6.9	---	---	---	12.9	8.8	11.4	14.2	11.7	12.7
20	8.8	5.3	7.7	11.2	8.7	10.4	13.3	8.9	10.9	13.2	12.1	12.7
21	8.9	8.2	8.6	11.1	10.3	10.7	11.9	6.8	10.6	13.7	11.2	12.3
22	8.8	8.2	8.5	11.5	10.3	10.9	10.0	8.6	9.2	14.5	11.4	12.7
23	8.6	7.7	8.3	11.9	10.8	11.4	11.7	9.5	10.2	19.0	9.7	12.3
24	8.6	7.8	8.3	11.4	9.7	10.8	12.4	9.5	11.6	17.0	10.0	13.4
25	8.3	7.4	8.0	11.0	9.2	10.5	12.8	8.1	10.5	14.7	13.6	14.1
26	8.6	6.5	7.7	12.1	10.5	11.4	13.5	11.3	12.2	14.8	13.2	13.9
27	8.8	7.7	8.1	12.0	9.9	11.4	15.2	10.6	12.4	18.9	13.3	14.8
28	8.5	7.6	8.1	13.2	8.7	10.7	15.0	8.5	11.1	15.5	10.4	13.3
29	8.9	7.9	8.3	13.3	10.2	12.1	12.0	8.0	10.5	17.3	11.7	13.5
30	9.1	6.7	8.5	13.2	8.3	10.3	13.6	8.7	11.1	16.5	13.0	14.7
31	9.6	6.5	8.6	---	---	---	12.2	4.4	7.9	14.1	12.0	12.9
Month	11.4	1.8	8.0	---	---	---	15.2	4.4	10.8	19.0	6.8	12.5

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	13.5	11.9	12.6	11.5	10.4	11.0	13.6	10.8	11.9	10.5	6.1	9.1
<b>2</b>	14.8	11.9	13.1	10.5	9.6	10.1	12.2	10.5	11.1	10.5	6.6	9.3
<b>3</b>	13.1	11.9	12.3	11.4	10.1	10.8	10.5	8.6	9.6	---	---	---
<b>4</b>	12.2	11.3	11.7	12.5	10.6	11.8	12.5	8.3	10.4	---	---	---
<b>5</b>	13.1	11.0	12.2	13.3	9.8	11.8	13.2	9.2	11.1	---	---	---
<b>6</b>	14.8	12.0	12.9	13.9	10.7	12.2	11.0	6.7	8.5	---	---	---
<b>7</b>	16.0	11.9	13.8	13.2	11.0	12.1	9.1	6.8	7.9	---	---	---
<b>8</b>	14.4	11.0	12.8	12.5	9.7	11.7	10.7	7.7	9.3	---	---	---
<b>9</b>	15.0	13.0	13.7	11.9	9.8	10.8	11.9	7.7	9.9	---	---	---
<b>10</b>	13.8	11.9	12.8	12.4	10.5	11.4	---	---	---	---	---	---
<b>11</b>	12.0	9.7	11.4	12.2	10.8	11.5	---	---	---	---	---	---
<b>12</b>	10.3	9.3	9.9	11.6	10.5	10.9	---	---	---	---	---	---
<b>13</b>	10.5	9.5	10.1	10.6	9.8	10.2	---	---	---	---	---	---
<b>14</b>	10.7	10.0	10.3	10.1	9.8	10	---	---	---	9.2	8.0	8.6
<b>15</b>	10.7	9.2	10	10.3	9.6	9.9	---	---	---	9.7	6.2	8.1
<b>16</b>	10.5	9.4	9.9	10.5	8.6	9.7	---	---	---	9.8	5.6	7.6
<b>17</b>	11.7	9.8	10.7	10.3	9.1	9.5	---	---	---	8.9	4.8	6.6
<b>18</b>	11.2	9.0	10.2	10.9	8.9	9.6	---	---	---	7.4	6.0	6.5
<b>19</b>	10.1	8.8	9.6	12.4	9.7	11.0	---	---	---	8.0	6.7	7.4
<b>20</b>	10.9	9.4	10.2	10.9	9.1	9.8	---	---	---	9.6	6.8	8.3
<b>21</b>	11.8	9.5	10.9	11.7	9.8	10.5	---	---	---	12.4	7.2	9.9
<b>22</b>	11.3	9.2	10.2	12.4	10.5	11.3	---	---	---	11.3	1.8	9.1
<b>23</b>	11.6	9.6	10.6	13.5	11.6	12.2	---	---	---	12.6	5.9	9.7
<b>24</b>	12.0	10.3	11.1	13.0	11.0	11.7	11.9	9.6	10.5	9.6	2.6	7.1
<b>25</b>	13.4	11.6	12.5	12.0	11.0	11.6	11.8	7.9	9.5	8.1	1.8	5.8
<b>26</b>	13.6	12.6	13.0	13.1	11.6	12.0	12.6	7.8	9.8	7.9	4.7	6.6
<b>27</b>	13.3	11.5	12.5	11.6	9.0	10.2	16.3	6.9	10.5	8.7	0.0	5.4
<b>28</b>	12.3	11.3	11.8	11.1	8.1	10.1	15.2	3.8	9.7	7.7	1.2	5.1
<b>29</b>	---	---	---	9.8	7.5	9.1	13.6	7.6	10.1	5.6	1.1	3.1
<b>30</b>	---	---	---	11.9	8.4	10	13.5	7.9	10.2	7.9	0.5	4.5
<b>31</b>	---	---	---	12.8	10.7	11.6	---	---	---	8.0	0.0	4.4
<b>Month</b>	16.0	8.8	11.5	13.9	7.5	10.8	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.9	3.9	6.3	---	---	---	---	---	---	---	---	---
2	7.4	0.0	4.3	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	3.6	0.5	1.5	8.3	2.8	6.0	8.1	5.6	6.8	10.5	8.3	9.5
2	3.4	1.2	1.8	7.9	0.8	4.9	8.5	7.1	7.8	9.9	8.9	9.4
3	2.5	1.4	1.9	9.2	5.7	8.0	8.4	7.4	7.8	9.1	7.7	8.4
4	2.7	0.3	1.2	8.7	8.1	8.4	8.2	7.0	7.4	8.5	6.0	7.4
5	1.1	0.1	0.5	8.7	8.1	8.5	9.1	6.8	7.2	7.0	5.4	6.1
6	1.3	0.0	0.3	8.9	4.5	8.2	6.8	5.5	5.9	7.0	5.1	5.8
7	2.6	0.0	0.4	8.2	5.1	7.6	10.3	5.1	7.2	9.4	4.5	7.7
8	0.4	0.0	0.0	8.0	5.7	7.2	10.3	8.2	9.3	10.7	8.1	9.3
9	0.0	0.0	0.0	8.0	4.8	6.7	9.1	6.4	8.1	10.6	7.1	9.8
10	8.6	0.0	3.6	8.7	6.3	7.2	12.2	6.3	10.4	11.3	6.2	7.4
11	7.9	3.1	6.1	10.0	5.8	7.4	11.9	10.3	11.3	11.7	6.1	7.4
12	8.2	5.0	6.6	10.3	5.7	9.1	11.0	9.4	10.3	11.9	8.4	10.7
13	7.3	3.9	5.9	9.5	6.6	8.5	11.1	9.1	10.2	12.0	8.2	10.2
14	7.0	0.4	4.3	9.2	3.8	6.3	11.2	7.7	9.4	11.3	7.6	9.7
15	3.8	0.1	1.5	9.0	3.0	7.1	11.6	7.8	9.2	12.1	7.6	9.1
16	4.0	0.0	2.0	8.9	6.6	8.0	10.3	5.8	7.7	12.5	7.2	10.3
17	5.3	1.6	3.2	9.3	6.2	8.1	10.6	5.9	7.7	11.8	5.9	7.7
18	7.8	1.1	5.9	9.7	6.2	9.0	8.8	5.8	6.8	8.2	5.6	7.1
19	7.6	4.5	6.5	---	---	---	8.3	5.3	6.9	7.8	2.9	4.3
20	8.3	6.0	7.2	10.5	7.5	9.0	5.6	3.2	4.6	10.7	3.7	6.4
21	8.1	6.2	6.9	10.6	9.2	10.1	5.2	3.0	4.3	8.8	6.5	7.5
22	8.8	6.1	8.1	10.2	9.0	9.8	9.7	3.0	7.9	8.1	6.9	7.6
23	8.6	6.7	8.2	9.6	8.3	8.7	9.6	6.2	7.9	10.5	6.0	7.3
24	8.3	6.3	7.9	8.7	8.2	8.5	7.9	5.9	6.7	9.6	6.0	8.3
25	8.3	7.4	8.1	10.7	8.1	8.9	6.6	5.3	5.8	8.5	6.0	7.0
26	8.1	4.7	7.2	10.6	7.4	8.3	6.1	5.0	5.3	10.5	7.2	8.3
27	8.5	2.3	6.6	7.6	6.6	7.1	5.9	4.8	5.3	10.2	6.7	7.7
28	8.5	7.6	8.1	7.7	6.5	7.2	7.5	4.6	5.7	12.9	7.0	9.4
29	9.1	7.8	8.4	7.5	6.9	7.1	8.6	2.9	5.0	10.6	8.6	9.3
30	8.7	5.8	8.2	6.9	5.8	6.4	4.4	2.2	3.6	12.6	7.5	8.6
31	8.9	3.1	7.1	---	---	---	9.1	1.7	6.0	13.5	9.1	11.4
Month	9.1	0.0	4.7	---	---	---	12.2	1.7	7.3	13.5	2.9	8.3

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	12.2	7.9	10	11.8	10.5	11.1	8.0	0.7	3.2	---	---	---
2	11.8	9.1	10.2	10.7	9.6	10.2	2.3	0.2	0.8	---	---	---
3	12.2	8.5	10.8	11.7	9.5	10.4	1.3	0.1	0.4	---	---	---
4	11.6	8.1	10.5	11.4	10.1	10.4	2.3	0.1	0.7	---	---	---
5	11.2	10.3	10.8	10.6	9.3	10.0	2.1	0.1	0.9	---	---	---
6	11.7	8.4	9.7	11.4	8.8	10.0	8.0	0.1	0.9	---	---	---
7	10.6	8.9	9.9	10.3	8.9	9.8	8.1	0.8	3.9	---	---	---
8	11.6	7.2	9.7	9.8	8.7	9.3	9.8	6.6	8.0	---	---	---
9	10.8	7.8	9.0	10.1	8.1	8.9	9.3	5.9	8.1	---	---	---
10	9.2	6.5	8.0	11.3	7.0	8.3	---	---	---	---	---	---
11	11.1	5.9	7.6	11.5	2.6	6.2	---	---	---	---	---	---
12	10.1	6.4	8.6	11.4	1.0	9.2	---	---	---	---	---	---
13	9.8	7.4	8.6	11.1	7.3	9.7	---	---	---	---	---	---
14	10.1	7.0	8.0	10.3	3.7	7.4	---	---	---	8.8	0.1	2.8
15	10.4	6.1	9.4	7.6	3.8	5.6	---	---	---	7.1	2.0	4.1
16	10.7	9.6	10.1	5.7	3.0	4.2	---	---	---	5.7	1.2	3.9
17	10.8	9.6	10.1	9.9	2.5	4.6	---	---	---	6.7	2.1	3.8
18	9.8	8.8	9.3	8.4	3.6	4.9	---	---	---	7.1	5.8	6.4
19	10.2	8.7	9.5	6.1	2.0	3.1	---	---	---	7.9	3.7	6.8
20	10.3	9.3	9.8	9.3	2.4	4.8	---	---	---	9.3	3.7	6.7
21	10.0	7.1	8.5	9.7	0.8	5.1	---	---	---	7.8	0.3	4.9
22	10.3	7.8	9.1	10.6	1.2	7.4	---	---	---	7.2	0.0	2.6
23	11.0	9.4	10.1	10.8	2.9	5.6	---	---	---	5.3	0.0	2.2
24	10.9	8.9	10.1	11.5	3.0	7.6	8.7	4.8	6.7	2.7	0.0	0.8
25	10.7	9.1	9.6	10.9	9.3	10.4	7.6	3.1	5.1	1.7	0.0	0.1
26	10.0	8.4	9.1	11.4	9.9	10.5	5.0	1.9	3.0	6.0	0.0	1.1
27	11.4	8.1	9.2	10.1	6.1	8.0	---	---	---	6.4	0.0	1.1
28	12.2	8.5	10.6	8.8	2.6	5.9	---	---	---	0.0	0.0	0.0
29	---	---	---	9.1	2.8	6.3	---	---	---	0.1	0.0	0.0
30	---	---	---	7.2	3.6	4.7	---	---	---	0.1	0.0	0.0
31	---	---	---	6.7	3.0	4.9	---	---	---	0.0	0.0	0.0
Month	12.2	5.9	9.5	11.8	0.8	7.6	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
2	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	105	40	76	99	56	89	95	76	85	120	90	102
2	112	76	91	---	---	---	97	85	90	123	102	111
3	106	59	88	104	93	100	106	92	98	112	104	108
4	101	39	76	95	90	93	109	97	101	123	107	116
5	107	23	77	96	89	94	105	96	103	159	108	134
6	132	44	98	98	54	91	109	98	103	148	78	119
7	132	113	121	103	69	93	109	91	99	94	67	82
8	116	91	109	99	80	94	102	90	96	117	85	98
9	112	64	95	103	73	93	128	96	105	146	97	114
10	116	74	105	108	90	99	119	90	106	142	96	127
11	106	93	101	---	---	---	114	102	110	155	79	106
12	114	95	103	108	99	103	114	93	103	143	109	119
13	136	77	104	105	99	103	125	100	109	121	104	113
14	140	96	115	105	82	99	130	106	116	131	101	112
15	128	87	113	102	91	95	125	100	117	132	92	113
16	116	67	99	---	---	---	137	105	122	117	95	106
17	109	76	95	---	---	---	131	119	124	116	98	103
18	99	69	90	---	---	---	134	96	125	126	90	110
19	92	69	83	---	---	---	131	89	115	120	101	108
20	104	63	91	110	85	102	136	90	111	112	97	105
21	104	94	99	107	97	102	121	71	108	114	92	102
22	102	94	98	107	96	101	100	83	90	124	95	108
23	98	88	94	107	100	103	107	88	94	167	84	109
24	96	87	92	103	93	99	113	90	105	149	90	119
25	94	85	91	106	89	100	122	78	100	127	113	121
26	99	74	88	114	96	106	129	108	116	127	108	116
27	100	87	93	114	96	107	145	97	116	164	112	129
28	---	---	---	128	87	104	143	86	108	137	98	120
29	96	86	90	130	101	118	119	80	104	159	109	124
30	97	71	91	127	82	101	132	86	108	153	119	135
31	101	68	91	---	---	---	118	44	78	128	109	117
Month	---	---	---	---	---	---	145	44	105	167	67	113

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	123	106	115	109	97	103	142	110	123	128	74	110
2	134	109	120	98	89	93	127	108	115	128	78	112
3	120	108	112	102	90	96	109	92	101	---	---	---
4	111	101	105	108	95	101	134	87	110	---	---	---
5	113	96	105	120	87	104	145	97	119	---	---	---
6	126	101	110	126	101	112	120	73	93	---	---	---
7	135	101	118	129	102	115	97	72	83	---	---	---
8	130	96	114	124	94	112	113	80	97	---	---	---
9	136	117	125	120	95	106	126	79	103	---	---	---
10	127	113	120	126	103	114	---	---	---	---	---	---
11	114	94	109	127	107	117	---	---	---	---	---	---
12	102	90	96	120	106	111	---	---	---	---	---	---
13	104	92	98	106	96	100	---	---	---	---	---	---
14	104	97	100	97	92	94	---	---	---	111	96	104
15	104	89	97	97	90	93	---	---	---	119	75	99
16	101	90	95	100	81	91	---	---	---	122	70	94
17	110	93	100	100	87	91	---	---	---	111	59	82
18	106	85	96	103	84	91	---	---	---	87	73	78
19	99	84	93	123	94	108	---	---	---	92	78	85
20	103	91	96	109	89	97	---	---	---	111	76	94
21	109	89	100	117	95	103	---	---	---	147	84	114
22	106	88	96	123	100	110	---	---	---	133	21	106
23	107	89	98	134	111	120	---	---	---	155	70	117
24	109	92	100	129	108	115	137	107	117	118	32	86
25	120	105	111	116	108	112	137	88	108	101	22	72
26	118	109	114	126	111	115	151	89	114	99	58	83
27	119	108	115	113	89	100	194	80	125	110	0	68
28	118	107	112	114	80	102	185	45	116	99	15	65
29	---	---	---	102	75	93	169	91	121	70	14	39
30	---	---	---	124	85	102	166	96	124	103	6	57
31	---	---	---	133	109	120	---	---	---	104	0	56
Month	136	84	106	134	75	105	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	103	50	82	---	---	---	---	---	---	---	---	---
2	97	0	56	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	46	6	20	88	31	66	83	58	70	98	80	91
2	44	16	23	85	9	53	86	73	80	96	86	91
3	33	18	25	100	62	87	85	76	79	88	75	81
4	35	4	16	96	90	93	84	72	76	82	59	72
5	14	1	7	97	90	95	92	70	74	69	53	60
6	17	0	4	100	50	91	70	57	61	68	50	57
7	33	0	5	92	57	85	99	52	71	95	44	77
8	5	0	0	90	65	81	98	80	89	106	81	93
9	0	0	0	89	54	76	88	63	79	104	70	94
10	106	0	45	96	73	82	120	62	102	110	62	73
11	98	39	75	109	67	83	117	107	114	115	61	73
12	101	62	82	111	65	99	113	97	106	116	83	104
13	90	48	73	103	73	92	111	91	103	116	80	98
14	88	5	53	101	43	70	109	78	93	103	74	93
15	48	1	19	102	34	80	115	78	92	111	74	88
16	51	0	26	98	74	89	103	59	77	115	69	95
17	66	21	42	100	69	89	107	59	78	102	56	72
18	97	14	73	102	68	94	90	59	69	76	53	66
19	92	56	79	---	---	---	85	54	70	71	28	41
20	99	72	86	106	78	93	57	33	47	93	36	58
21	96	74	83	102	95	98	53	31	44	78	59	68
22	102	73	94	96	89	94	95	31	77	73	63	69
23	98	77	94	94	83	86	91	63	78	96	55	67
24	93	71	88	86	82	84	78	59	66	88	55	76
25	95	84	92	104	80	87	65	53	58	77	55	64
26	92	54	83	102	75	83	60	50	53	94	66	75
27	97	27	77	78	68	73	59	48	53	91	61	70
28	95	85	91	79	67	74	75	46	57	119	64	87
29	98	85	91	77	71	73	86	29	50	99	81	87
30	94	62	89	71	60	66	45	22	36	116	71	80
31	94	33	76	---	---	---	90	17	61	123	84	104
Month	106	0	55	---	---	---	120	17	73	123	28	78

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	113	73	92	113	100	106	84	7	34	---	---	---
2	109	84	94	101	89	95	24	2	9	---	---	---
3	112	78	99	105	87	95	14	1	4	---	---	---
4	104	76	95	102	93	96	25	1	8	---	---	---
5	99	90	95	98	86	93	23	1	10	---	---	---
6	102	75	86	108	82	94	87	1	10	---	---	---
7	95	80	89	98	85	93	86	9	42	---	---	---
8	104	66	86	94	83	88	102	69	84	---	---	---
9	100	72	83	98	78	85	97	62	84	---	---	---
10	85	61	74	116	69	81	---	---	---	---	---	---
11	105	55	72	118	25	61	---	---	---	---	---	---
12	99	61	83	117	10	94	---	---	---	---	---	---
13	96	73	85	114	74	99	---	---	---	---	---	---
14	99	69	79	102	37	74	---	---	---	107	1	35
15	102	60	92	76	38	57	---	---	---	87	25	51
16	103	92	97	57	30	42	---	---	---	70	15	48
17	102	91	95	98	25	46	---	---	---	82	26	47
18	93	85	89	83	36	49	---	---	---	85	69	76
19	100	84	92	60	20	31	---	---	---	91	45	79
20	98	89	93	92	24	47	---	---	---	107	43	77
21	95	67	81	98	8	50	---	---	---	91	4	57
22	98	74	87	104	12	73	---	---	---	87	0	31
23	101	86	92	107	29	56	---	---	---	63	0	27
24	97	83	92	114	30	75	97	53	75	33	0	10
25	101	86	90	105	90	100	86	35	57	21	0	0
26	94	80	86	110	96	102	57	21	34	76	0	14
27	108	77	88	98	60	78	---	---	---	81	0	14
28	116	81	101	88	26	59	---	---	---	0	0	0
29	---	---	---	95	28	65	---	---	---	1	0	0
30	---	---	---	75	38	48	---	---	---	1	0	0
31	---	---	---	70	32	52	---	---	---	0	0	0
Month	116	55	89	118	8	74	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	0	0	0	---	---	---	---	---	---	---	---	---
2	0	0	0	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---