

**02092162 NEUSE RIVER AT NEW BERN, NC**

Neuse Basin  
Lower Neuse Subbasin

LOCATION.--Lat 35°06'34", long 77°01'58" referenced to North American Datum of 1983, Craven County, NC, Hydrologic Unit 03020204, at U.S. Highway 17 bridge at New Bern, and 0.9 mi upstream from Trent River and at U.S. Coast Guard Channel Marker 38.

DRAINAGE AREA.--4,470 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1957-67, 1996 to June 2009 (discontinued).

PERIOD OF DAILY RECORD.--

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

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

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

DISSOLVED OXYGEN (TOP AND BOTTOM): June 1996 to June 2009.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): June 1996 to June 2009.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from June 1996 to June 2009.

REMARKS.--The monitor was relocated from the U.S. Highway 17 bridge at New Bern to channel marker 38 on August 5, 1999. Channel marker 38 is approximately 500 yards upstream of the bridge. The monitor was removed on September 16, 2003, to prevent possible destruction of equipment during Hurricane Isabel. It was reinstalled 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. Top constituents were monitored at 8 feet above the streambed, and bottom constituents, 2 feet above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760mm of Hg beginning October 1, 2000. Daily records of salinity and water temperature for October 1956 to September 1967 are available in the files of the USGS Water Science Center, Raleigh, NC.

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, 21.8 ppt, August 1, 2002; minimum recorded, <0.1 ppt, on many days during the period.

SALINITY (BOTTOM): Maximum recorded, 22.1 ppt, August 1, 2002; minimum recorded, <0.1 ppt, on many days during the period.

pH (TOP): Maximum recorded, 9.9 standard units, June 6, 7, 1999; minimum recorded, 5.7 standard units, September 29, 30, 1999, October 9, 14, 15, 1999.

pH (BOTTOM): Maximum recorded, 9.7 standard units, July 10, 11, 1997; minimum recorded, 4.9 standard units, October 13, 15-17, 1999.

WATER TEMPERATURE (TOP): Maximum recorded, 34.1°C, July 28, 2005; minimum recorded, 1.0°C, January 29, 2000.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.3°C, August 10, 2007; minimum recorded, 1.1°C, January 29, 2000.

DISSOLVED OXYGEN (TOP): Maximum recorded, 17.4 mg/L, December 19, 1997; minimum recorded, <1.0 mg/L, on many days during the period.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 16.1 mg/L, January 8, 1998; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 18.8 ppt, December 5; minimum recorded, .04 ppt, on several days during the year.

SALINITY (BOTTOM): Maximum recorded, 20.5 ppt, October 4, 5, 6; minimum recorded, .04 ppt, on several days during the year.

pH (TOP): Maximum recorded, 8.7 standard units, April 29, June 1; minimum recorded, 6.3 standard units, March 9, 10, 11, 12, 14.

pH (BOTTOM): Maximum recorded, 8.6 standard units, May 6; minimum recorded, 6.2 standard units, March 9, 11, 12.

WATER TEMPERATURE (TOP): Maximum recorded, 28.3°C, June 1; minimum recorded, 3.8°C, January 23.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 26.2°C, May 9; minimum recorded, 6.0°C, February 5.

DISSOLVED OXYGEN (TOP): Maximum recorded, 14.7 mg/L, February 9; minimum recorded, 0.1 mg/L, October 3, 4, 5, 6, 7, June 1.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 11.6 mg/L, February 5; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 164%, June 1; minimum recorded, 1%, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 124%, May 4; minimum recorded, 0%, on many days during the year.

## 02092162 NEUSE RIVER AT NEW BERN, NC—Continued

**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>	13.0	1.4	5.6	13.9	9.9	12.3	15.1	4.7	6.5	6.2	0.85	2.3
<b>2</b>	15.5	2.2	7.9	14.9	7.6	12.5	9.2	4.6	6.2	5.6	0.68	1.8
<b>3</b>	15.7	7.5	13.8	15.5	10.7	14.5	12.6	4.2	9.3	5.5	0.77	2.2
<b>4</b>	16.7	11.4	15.1	14.9	9.3	11.4	11.5	2.3	6.3	4.5	0.48	1.5
<b>5</b>	16.9	10.5	14.1	12.9	11.4	12.1	18.8	4.6	14.3	9.8	0.94	5.1
<b>6</b>	16.3	1.6	10.7	13.2	11.1	12.1	18.6	4.4	14.2	14.1	2.0	8.1
<b>7</b>	18.7	5.0	13.7	11.8	10.4	11.4	17.3	3.1	11.4	4.7	0.78	2.2
<b>8</b>	13.1	1.8	7.7	11.2	8.1	10.0	13.6	9.8	12.1	2.8	0.75	1.7
<b>9</b>	3.9	1.1	2.0	11.8	6.6	8.9	12.6	3.4	9.2	2.3	0.37	0.97
<b>10</b>	2.7	0.59	1.1	15.0	7.8	12.4	4.8	2.5	3.5	7.4	0.35	1.1
<b>11</b>	10.4	1.0	2.5	15.5	11.4	14.7	2.7	1.4	2.1	1.0	0.27	0.49
<b>12</b>	12.6	2.1	6.1	16.0	10.7	14.6	6.5	1.4	2.6	6.0	0.22	1.4
<b>13</b>	9.7	2.9	6.6	15.3	8.8	12.4	5.6	1.5	3.1	2.6	0.20	0.86
<b>14</b>	14.0	6.6	10.1	12.8	10.3	11.1	8.5	2.2	5.9	6.3	1.1	2.4
<b>15</b>	12.0	8.5	10.0	11.8	7.0	8.9	3.8	0.78	1.2	3.2	1.0	1.6
<b>16</b>	13.1	8.1	10.6	8.9	5.8	7.1	0.83	0.34	0.60	3.9	0.94	2.0
<b>17</b>	15.7	7.7	13.5	13.7	4.8	10.3	4.8	0.55	1.6	11.1	1.1	3.4
<b>18</b>	15.7	8.5	10.7	10.0	5.1	7.8	11.9	0.36	4.0	1.5	0.57	0.87
<b>19</b>	12.5	10.6	11.9	8.8	4.9	6.9	6.4	0.58	2.1	0.67	0.30	0.45
<b>20</b>	12.3	11.4	11.9	10.7	2.9	6.1	1.3	0.31	0.74	6.2	0.26	2.3
<b>21</b>	14.6	9.1	11.2	12.8	2.2	7.1	1.4	0.35	0.64	6.7	1.6	3.5
<b>22</b>	15.0	7.6	11.2	9.0	3.1	5.0	4.3	0.69	2.5	4.4	2.1	3.2
<b>23</b>	15.5	9.4	11.8	8.6	5.1	6.8	6.6	0.39	2.1	2.2	0.47	0.94
<b>24</b>	14.2	11.3	12.5	9.2	4.4	7.6	3.9	0.48	1.0	0.89	0.46	0.60
<b>25</b>	12.9	9.9	12.2	7.9	1.3	5.6	0.66	0.22	0.42	13.3	0.54	6.8
<b>26</b>	13.1	11.0	12.8	16.3	3.3	8.9	0.30	0.16	0.21	14.1	11.2	12.8
<b>27</b>	13.0	8.0	11.6	15.9	7.4	13.3	2.1	0.17	0.68	13.7	7.6	12.1
<b>28</b>	10.9	7.6	9.2	16.1	7.8	12.4	2.7	0.53	0.89	7.7	2.2	3.0
<b>29</b>	13.0	6.4	8.7	16.7	14.1	16.0	0.66	0.33	0.47	6.2	2.0	3.6
<b>30</b>	14.8	5.4	9.9	16.7	10.1	15.1	6.0	0.43	1.3	5.2	0.91	3.2
<b>31</b>	15.3	9.8	12.8	---	---	---	6.4	0.48	2.7	6.7	2.9	4.8
<b>Month</b>	18.7	0.59	10.0	16.7	1.3	10.5	18.8	0.16	4.2	14.1	0.20	3.1

## 02092162 NEUSE RIVER AT NEW BERN, 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>	6.5	1.4	3.9	4.2	0.90	1.8	0.06	0.05	0.05	1.7	0.47	1.0
<b>2</b>	3.5	0.84	2.0	4.5	1.4	2.6	0.08	0.06	0.06	0.68	0.36	0.50
<b>3</b>	3.2	0.50	1.9	3.1	0.93	1.6	0.07	0.05	0.06	0.91	0.34	0.63
<b>4</b>	3.6	1.2	2.1	2.6	0.60	1.1	0.21	0.05	0.09	1.0	0.37	0.58
<b>5</b>	3.7	2.3	3.1	2.1	0.31	0.81	0.12	0.04	0.07	1.3	0.38	0.75
<b>6</b>	3.8	0.85	2.3	0.59	0.16	0.38	0.06	0.04	0.05	0.82	0.25	0.46
<b>7</b>	2.4	0.47	1.2	0.18	0.06	0.09	0.09	0.05	0.05	0.54	0.12	0.25
<b>8</b>	2.2	0.41	0.73	0.09	0.05	0.06	0.07	0.04	0.05	0.65	0.16	0.43
<b>9</b>	8.8	0.21	1.9	0.20	0.05	0.08	0.16	0.04	0.07	0.16	0.10	0.11
<b>10</b>	3.8	0.56	0.88	0.40	0.12	0.20	0.10	0.04	0.05	0.41	0.12	0.16
<b>11</b>	1.8	0.58	0.79	0.15	0.04	0.07	0.23	0.04	0.08	9.6	0.12	1.1
<b>12</b>	2.8	0.44	1.2	0.20	0.05	0.10	0.19	0.04	0.06	5.2	0.54	1.4
<b>13</b>	4.2	0.87	2.5	0.14	0.06	0.09	0.05	0.04	0.05	2.1	0.55	0.80
<b>14</b>	9.7	1.2	3.4	0.14	0.06	0.09	0.05	0.04	0.05	1.1	0.40	0.72
<b>15</b>	7.6	1.9	3.6	0.11	0.06	0.08	0.34	0.05	0.09	0.41	0.15	0.26
<b>16</b>	8.3	2.6	4.0	0.30	0.10	0.16	0.51	0.07	0.23	0.16	0.07	0.09
<b>17</b>	6.0	3.4	4.6	2.9	0.16	0.90	0.24	0.07	0.10	2.5	0.06	0.35
<b>18</b>	6.1	1.7	4.4	3.2	0.70	1.8	0.16	0.08	0.11	2.6	0.68	1.6
<b>19</b>	4.8	2.0	3.6	0.99	0.42	0.66	0.15	0.07	0.10	3.0	0.51	1.6
<b>20</b>	5.5	2.4	3.5	1.1	0.42	0.81	0.10	0.06	0.07	0.51	0.13	0.23
<b>21</b>	6.4	1.6	3.1	1.9	0.30	0.64	0.10	0.06	0.07	0.42	0.10	0.18
<b>22</b>	3.6	1.6	2.4	2.5	0.30	0.57	1.2	0.06	0.19	0.31	0.08	0.12
<b>23</b>	3.8	1.9	3.2	5.4	0.19	0.67	1.1	0.33	0.57	0.15	0.09	0.12
<b>24</b>	2.6	0.87	1.5	0.31	0.09	0.16	1.4	0.11	0.43	0.10	0.08	0.09
<b>25</b>	6.5	1.8	3.3	0.15	0.07	0.10	0.15	0.07	0.10	0.22	0.08	0.10
<b>26</b>	2.6	0.68	1.7	0.08	0.05	0.06	0.21	0.07	0.10	0.15	0.08	0.11
<b>27</b>	6.5	1.2	1.9	0.06	0.05	0.05	0.10	0.07	0.08	0.19	0.10	0.14
<b>28</b>	6.8	0.95	1.8	0.05	0.05	0.05	0.29	0.07	0.13	0.15	0.09	0.10
<b>29</b>	---	---	---	0.06	0.05	0.05	2.9	0.09	0.18	0.22	0.08	0.13
<b>30</b>	---	---	---	0.19	0.06	0.09	7.6	0.36	1.5	1.1	0.08	0.34
<b>31</b>	---	---	---	0.12	0.06	0.08	---	---	---	2.0	0.20	0.68
<b>Month</b>	9.7	0.21	2.5	5.4	0.04	0.52	7.6	0.04	0.16	9.6	0.06	0.49

02092162 NEUSE RIVER AT NEW BERN, 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	13.3	0.44	4.1	---	---	---	---	---	---	---	---	---
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>	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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>	15.5	12.9	15.0	15.7	15.5	15.5	15.8	13.5	15.1	10.4	5.8	8.6
<b>2</b>	17.0	13.1	15.5	15.5	15.3	15.4	15.5	12.2	14.5	10.2	6.5	9.1
<b>3</b>	19.0	16.8	17.8	15.7	15.3	15.4	16.9	7.5	16.0	11.2	8.3	9.9
<b>4</b>	20.5	19.0	19.9	15.7	14.6	15.2	18.3	16.4	17.3	12.4	10.7	11.4
<b>5</b>	20.5	20.2	20.5	14.9	11.8	12.7	19.1	8.6	18.5	13.7	3.8	12.2
<b>6</b>	20.5	20.1	20.4	13.3	11.7	12.5	19.0	18.7	18.8	14.0	10.8	13.7
<b>7</b>	20.4	19.5	20.1	12.4	11.6	11.9	18.8	15.5	17.9	12.9	0.74	4.5
<b>8</b>	20.1	18.0	19.3	13.3	11.2	12.4	18.1	14.3	17.5	4.8	1.2	2.8
<b>9</b>	19.0	18.1	18.5	14.1	12.1	13.6	17.6	12.1	15.9	10.5	1.6	6.5
<b>10</b>	18.9	17.8	18.4	15.4	13.7	14.6	14.9	5.3	13.1	11.5	4.1	9.0
<b>11</b>	18.9	15.9	17.6	16.2	15.4	15.7	14.7	2.6	10.5	8.6	0.48	4.1
<b>12</b>	17.7	15.8	16.9	16.9	15.8	16.3	11.8	2.0	8.1	9.9	2.7	8.7
<b>13</b>	17.0	15.3	15.9	16.7	12.8	15.3	10.9	1.9	8.6	10.1	5.6	9.7
<b>14</b>	15.9	13.6	15.1	15.3	13.9	14.7	12.1	10.5	11.8	11.1	4.3	10.3
<b>15</b>	15.9	14.1	15.0	15.1	9.2	11.1	12.0	8.8	10.8	10.9	7.3	10.2
<b>16</b>	15.6	15.0	15.3	11.9	8.8	10.2	11.9	5.3	10.8	12.0	4.7	10.6
<b>17</b>	16.0	15.1	15.6	14.6	11.5	13.1	12.2	11.6	11.9	11.9	3.4	11.2
<b>18</b>	16.2	15.4	15.8	15.8	11.3	14.4	13.1	11.7	12.7	11.5	7.6	10.9
<b>19</b>	16.1	11.8	13.1	11.3	9.1	10	13.2	8.0	12.3	12.3	5.1	11.1
<b>20</b>	12.8	11.6	12.2	13.1	9.8	10.9	12.6	10.6	12.0	12.8	6.6	12.1
<b>21</b>	15.3	12.4	13.2	16.7	10.9	14.9	12.6	7.7	10.7	12.7	5.8	11.6
<b>22</b>	16.7	15.3	16.2	12.2	9.7	10.9	10.6	4.2	7.3	12.6	8.1	12.2
<b>23</b>	16.7	15.2	16.0	11.3	10.9	11.0	11.5	7.6	10.4	13.7	5.1	12.6
<b>24</b>	15.7	13.4	15.0	14.6	11.3	13.3	10.5	0.86	7.7	---	---	---
<b>25</b>	14.9	12.2	12.9	16.3	14.2	15.4	5.5	0.53	2.9	---	---	---
<b>26</b>	13.3	12.7	13.1	16.5	15.9	16.3	8.3	4.3	7.4	---	---	---
<b>27</b>	14.5	10.9	13.5	16.5	16.3	16.4	9.9	8.2	8.8	---	---	---
<b>28</b>	12.2	10	11.4	16.4	16.3	16.3	10.8	6.2	9.4	14.3	3.8	10.9
<b>29</b>	14.1	10.8	12.5	16.9	16.2	16.4	11.8	7.5	10.5	9.1	2.1	7.3
<b>30</b>	15.5	14.1	15.1	17.2	15.7	16.7	12.3	6.7	11.3	10.6	3.8	9.4
<b>31</b>	15.6	15.5	15.5	---	---	---	12.2	3.1	8.4	11.3	4.1	10.3
<b>Month</b>	20.5	10.0	15.9	17.2	8.8	13.9	19.1	0.53	11.9	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	10.6	5.3	7.8	8.8	4.2	6.3	0.10	0.05	0.06	7.0	0.53	4.0
<b>2</b>	8.9	3.0	7.6	8.6	3.8	6.6	5.2	0.05	0.90	1.3	0.38	0.92
<b>3</b>	9.3	2.4	6.8	7.7	3.5	5.7	0.08	0.05	0.06	1.1	0.38	0.87
<b>4</b>	7.5	4.0	5.8	10.9	5.3	7.9	1.3	0.06	0.36	1.3	0.45	0.90
<b>5</b>	5.1	2.2	4.1	11.8	6.4	9.3	8.6	0.04	3.3	1.2	0.71	0.92
<b>6</b>	9.0	4.8	7.0	11.3	0.15	5.1	0.06	0.04	0.05	1.3	0.68	1.0
<b>7</b>	10.0	5.9	8.7	7.3	0.06	1.8	0.08	0.05	0.06	1.3	0.57	0.93
<b>8</b>	10.7	7.6	9.2	11.1	0.05	4.8	5.4	0.04	0.19	0.90	0.42	0.75
<b>9</b>	11.7	10.1	11.2	11.9	0.05	8.3	3.4	0.04	0.87	0.43	0.09	0.14
<b>10</b>	11.6	7.5	9.9	12.4	9.5	12.0	2.9	0.04	0.64	4.5	0.11	1.9
<b>11</b>	10.2	0.65	6.3	12.2	0.05	4.9	0.24	0.04	0.08	11.3	4.5	9.1
<b>12</b>	4.9	0.44	2.5	10.1	0.05	2.6	0.19	0.04	0.07	11.9	10.4	11.1
<b>13</b>	12.0	1.8	7.2	10.3	1.3	7.9	0.05	0.04	0.05	12.0	10.2	11.2
<b>14</b>	12.2	3.3	10.7	9.5	7.5	8.8	0.05	0.05	0.05	11.4	0.40	5.1
<b>15</b>	12.2	4.3	11.1	8.9	7.8	8.3	0.48	0.05	0.13	2.3	0.16	0.56
<b>16</b>	11.7	3.8	9.0	9.7	6.1	9.1	7.9	0.12	2.2	0.19	0.07	0.10
<b>17</b>	6.7	3.6	6.1	9.7	8.4	9.3	8.1	7.0	7.7	3.4	0.06	0.52
<b>18</b>	7.1	2.4	5.9	10.2	5.8	9.4	9.4	6.7	7.8	3.4	0.81	2.2
<b>19</b>	5.5	3.3	4.6	11.0	7.1	9.9	9.5	7.4	8.8	3.9	0.87	2.3
<b>20</b>	7.6	1.5	5.9	10.4	3.6	9.2	9.2	0.06	3.7	4.3	0.45	2.6
<b>21</b>	11.5	4.1	9.0	9.3	3.6	8.1	0.51	0.06	0.21	4.5	1.7	3.7
<b>22</b>	9.8	2.7	7.5	9.3	4.2	7.9	1.5	0.06	0.24	4.8	0.42	2.5
<b>23</b>	7.1	2.5	5.4	7.7	2.7	6.5	1.9	0.76	1.1	1.0	0.09	0.29
<b>24</b>	11.1	3.0	9.6	7.7	2.7	6.3	2.0	0.10	0.79	0.18	0.08	0.10
<b>25</b>	11.2	9.5	10.8	7.1	2.9	5.8	0.37	0.08	0.14	0.40	0.08	0.14
<b>26</b>	10.7	8.0	10	5.5	0.05	2.7	0.37	0.07	0.12	0.14	0.09	0.11
<b>27</b>	10	3.5	7.9	0.09	0.05	0.06	3.5	0.07	1.1	0.52	0.12	0.20
<b>28</b>	8.9	5.0	7.3	0.09	0.04	0.05	5.3	0.26	3.6	4.1	0.08	1.6
<b>29</b>	---	---	---	0.06	0.04	0.05	8.9	4.8	6.1	3.8	0.08	0.82
<b>30</b>	---	---	---	0.31	0.04	0.13	9.0	6.3	8.3	8.5	0.14	5.4
<b>31</b>	---	---	---	5.9	0.07	1.5	---	---	---	12.3	8.0	10.2
<b>Month</b>	12.2	0.44	7.7	12.4	0.04	6.0	9.5	0.04	2.0	12.3	0.06	2.7

02092162 NEUSE RIVER AT NEW BERN, 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	13.3	11.8	12.7	---	---	---	---	---	---	---	---	---
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>	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	6.8	6.5	6.6	7.9	7.3	7.6	7.2	7.0	7.1	7.2	7.0	7.1
2	7.0	6.5	6.9	8.0	7.3	7.5	7.3	7.1	7.1	7.1	7.0	7.0
3	7.0	6.9	6.9	7.6	7.2	7.3	7.4	7.0	7.2	7.1	6.8	7.0
4	7.0	6.9	7.0	8.0	7.3	7.7	7.3	7.0	7.1	7.0	6.8	6.9
5	7.0	6.8	6.9	7.7	7.3	7.5	7.3	6.9	7.2	7.0	6.8	6.9
6	6.9	6.6	6.8	7.6	7.2	7.4	7.2	6.9	7.0	7.0	6.8	6.9
7	6.9	6.7	6.8	7.6	7.3	7.4	7.2	7.0	7.1	7.2	6.9	7.1
8	7.0	6.7	6.8	7.6	7.2	7.4	7.8	7.2	7.2	7.3	7.1	7.2
9	6.8	6.6	6.7	7.8	7.1	7.5	7.5	7.0	7.2	7.3	7.1	7.2
10	7.3	6.6	6.8	7.7	7.3	7.4	7.2	6.9	7.0	7.2	7.0	7.1
11	7.1	6.7	7.0	7.6	7.2	7.4	7.1	6.9	7.0	7.2	7.0	7.1
12	7.3	6.8	7.0	7.9	7.5	7.7	7.4	7.0	7.1	7.1	6.8	7.0
13	7.3	6.7	7.0	7.8	7.3	7.5	7.2	7.0	7.1	7.2	6.8	7.0
14	7.3	6.8	7.0	7.6	7.2	7.3	7.8	7.0	7.1	7.0	6.8	6.9
15	7.2	6.9	7.0	7.6	7.1	7.4	7.0	6.9	6.9	7.0	6.8	6.9
16	7.3	6.9	7.1	7.7	7.3	7.5	6.9	6.8	6.9	7.0	6.8	6.9
17	7.0	6.8	6.9	7.7	7.2	7.4	7.0	6.8	6.8	7.0	6.8	6.9
18	7.0	6.8	6.9	7.6	7.1	7.3	7.3	6.6	6.9	7.0	6.8	6.9
19	7.4	6.9	7.1	7.5	7.3	7.4	7.0	6.7	6.8	7.0	6.9	6.9
20	7.9	7.2	7.3	7.5	7.0	7.3	6.9	6.7	6.8	7.1	6.7	6.9
21	7.7	7.1	7.3	7.5	6.9	7.2	6.9	6.7	6.8	7.2	6.8	6.9
22	7.5	7.1	7.3	7.4	6.9	7.1	7.3	6.8	7.1	7.0	6.9	6.9
23	7.7	7.2	7.4	7.3	7.0	7.2	7.2	6.8	7.0	---	---	---
24	7.7	7.3	7.5	7.3	6.9	7.2	7.0	6.8	6.9	---	---	---
25	7.6	7.3	7.5	7.3	6.7	7.1	7.0	6.9	7.0	---	---	---
26	7.6	7.4	7.5	7.6	7.0	7.3	7.0	6.8	6.9	---	---	---
27	7.8	7.3	7.4	7.5	7.2	7.3	6.9	6.8	6.8	---	---	---
28	7.6	7.3	7.5	7.5	7.1	7.3	7.0	6.8	6.8	7.3	6.8	7.0
29	7.8	7.4	7.6	7.3	7.2	7.2	7.0	6.8	6.9	7.2	7.0	7.1
30	7.7	7.3	7.5	7.2	7.0	7.2	7.0	6.8	6.9	7.3	7.0	7.1
31	7.8	7.3	7.6	---	---	---	7.1	6.8	6.9	7.3	7.1	7.2
<b>Max</b>	7.9	7.4	7.6	8.0	7.5	7.7	7.8	7.2	7.2	---	---	---
<b>Min</b>	6.8	6.5	6.6	7.2	6.7	7.1	6.9	6.6	6.8	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	7.3	7.2	7.2	7.2	6.9	7.0	7.0	6.9	6.9	7.4	7.1	7.2
2	7.3	7.1	7.2	7.3	6.8	7.0	6.9	6.8	6.8	7.4	7.1	7.2
3	7.3	7.0	7.2	7.2	7.0	7.0	7.0	6.8	6.9	7.9	7.2	7.4
4	7.3	7.1	7.2	7.1	6.8	6.9	7.0	6.9	6.9	8.3	7.3	7.4
5	7.4	7.2	7.3	7.0	6.6	6.8	7.0	6.6	6.7	7.9	7.3	7.6
6	7.8	7.1	7.3	6.8	6.6	6.7	7.0	6.7	6.8	7.5	7.2	7.3
7	7.3	7.1	7.2	6.7	6.4	6.5	7.0	6.8	6.9	7.7	7.1	7.2
8	7.4	7.1	7.2	6.5	6.4	6.4	7.0	6.7	6.8	8.6	7.2	7.3
9	8.4	7.1	7.3	6.5	6.3	6.4	6.9	6.7	6.8	7.3	7.0	7.2
10	7.3	7.1	7.2	6.4	6.3	6.4	6.9	6.8	6.8	7.4	7.0	7.2
11	7.4	7.1	7.3	6.4	6.3	6.3	7.1	6.9	6.9	7.4	6.8	7.0
12	7.6	7.2	7.4	6.5	6.3	6.4	7.1	6.8	6.9	7.1	6.7	6.9
13	7.8	7.3	7.5	6.4	6.4	6.4	7.0	6.8	6.9	7.2	6.7	6.8
14	7.6	7.2	7.4	6.4	6.3	6.4	7.1	7.0	7.0	7.2	7.0	7.1
15	7.9	7.2	7.4	6.5	6.4	6.4	7.2	7.0	7.0	7.1	6.9	7.0
16	7.7	7.2	7.3	6.6	6.4	6.5	7.2	7.0	7.1	7.0	6.9	7.0
17	8.0	7.2	7.5	6.8	6.5	6.7	7.2	7.0	7.0	7.3	6.9	6.9
18	7.9	7.1	7.3	6.8	6.6	6.7	7.1	6.9	7.0	7.5	7.3	7.4
19	8.1	7.1	7.7	6.9	6.6	6.7	7.1	7.0	7.1	7.6	7.3	7.5
20	8.0	7.5	7.7	7.0	6.8	6.9	7.3	7.0	7.1	7.4	7.0	7.1
21	8.3	7.4	7.6	7.1	6.8	6.9	7.3	7.1	7.2	7.2	6.9	7.0
22	8.0	7.1	7.3	7.0	6.7	6.8	7.4	7.1	7.2	7.0	6.9	7.0
23	7.5	7.1	7.2	7.0	6.7	6.8	7.4	7.1	7.3	7.1	7.0	7.0
24	7.4	7.1	7.2	7.0	6.8	6.9	7.3	7.0	7.1	7.2	7.0	7.1
25	8.0	6.9	7.2	7.0	6.8	6.9	7.0	6.9	6.9	7.3	7.1	7.2
26	8.0	7.0	7.2	6.9	6.8	6.9	7.3	6.9	6.9	7.4	7.1	7.2
27	7.4	6.7	7.1	7.0	6.8	6.9	7.2	6.8	6.9	7.6	7.2	7.3
28	7.8	6.8	7.1	7.0	6.8	6.9	7.7	7.0	7.1	7.4	7.1	7.2
29	---	---	---	7.1	6.9	7.0	8.7	7.0	7.1	7.4	7.0	7.2
30	---	---	---	7.2	7.0	7.1	7.8	6.7	7.0	7.8	7.1	7.3
31	---	---	---	7.2	7.0	7.1	---	---	---	7.6	7.1	7.3
<b>Max</b>	8.4	7.5	7.7	7.3	7.0	7.1	8.7	7.1	7.3	8.6	7.3	7.6
<b>Min</b>	7.3	6.7	7.1	6.4	6.3	6.3	6.9	6.6	6.7	7.0	6.7	6.8

02092162 NEUSE RIVER AT NEW BERN, 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	8.7	7.1	7.3	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	7.1	6.9	7.0	8.0	7.5	7.7	7.0	6.9	7.0	7.2	7.0	7.1
2	7.0	6.8	7.0	7.9	7.5	7.7	7.0	6.9	7.0	7.1	7.0	7.0
3	7.0	6.8	6.9	7.9	7.3	7.5	7.0	6.9	7.0	7.1	7.0	7.0
4	7.0	6.9	6.9	7.6	7.2	7.3	7.0	6.9	6.9	7.1	6.9	7.0
5	7.0	6.9	7.0	7.7	7.2	7.4	7.0	6.9	6.9	7.0	7.0	7.0
6	7.2	7.0	7.0	7.9	7.2	7.4	6.9	6.9	6.9	7.1	6.9	7.0
7	7.1	7.0	7.0	7.9	7.2	7.5	7.0	6.8	6.9	7.2	6.9	7.1
8	7.1	6.9	7.0	7.3	7.0	7.2	7.1	6.7	6.8	7.3	7.1	7.2
9	7.1	7.0	7.1	7.0	6.8	6.9	7.1	6.7	6.8	7.3	7.1	7.2
10	7.1	7.0	7.1	7.3	6.9	7.1	7.2	6.8	6.9	7.1	6.9	7.0
11	7.1	6.9	7.0	7.4	7.2	7.3	7.1	6.7	6.8	7.1	6.7	7.0
12	7.1	6.9	7.0	7.3	7.1	7.2	7.5	6.7	7.0	7.1	7.0	7.0
13	7.1	7.0	7.0	7.2	6.8	7.0	7.2	7.0	7.1	7.0	6.9	7.0
14	7.2	6.8	7.0	7.0	6.8	6.9	7.2	7.0	7.1	7.0	6.9	7.0
15	7.1	6.8	7.0	7.4	6.8	7.0	7.1	6.8	6.9	7.1	6.9	7.0
16	7.2	6.9	7.0	7.4	7.0	7.2	7.0	6.8	6.9	7.1	7.0	7.0
17	7.2	7.0	7.1	7.6	7.0	7.4	7.0	6.9	6.9	7.0	6.9	7.0
18	7.1	7.0	7.0	7.6	7.2	7.3	7.2	6.8	6.9	7.0	6.8	6.8
19	7.6	7.0	7.3	7.4	7.0	7.3	7.2	7.0	7.1	6.9	6.8	6.9
20	7.7	7.3	7.4	7.3	6.9	7.1	7.1	7.0	7.0	7.0	6.8	6.9
21	7.6	7.2	7.4	7.4	7.2	7.3	7.1	6.9	7.0	6.9	6.8	6.8
22	7.6	7.4	7.5	7.3	7.0	7.2	7.3	7.0	7.1	6.8	6.7	6.8
23	7.6	7.4	7.5	7.0	6.9	7.0	7.1	7.0	7.0	6.8	6.7	6.8
24	7.6	7.2	7.4	7.3	7.0	7.2	7.1	6.9	7.0	6.9	6.8	6.8
25	7.9	7.3	7.6	7.3	7.1	7.2	7.2	6.8	7.0	7.0	6.9	7.0
26	7.9	7.6	7.7	7.3	7.2	7.2	7.1	6.9	6.9	7.0	6.9	7.0
27	7.7	7.3	7.5	7.2	7.1	7.2	6.9	6.9	6.9	7.0	6.9	6.9
28	7.8	7.4	7.5	7.2	7.1	7.1	6.9	6.8	6.9	7.2	7.0	7.0
29	8.1	7.4	7.6	7.2	7.1	7.2	6.9	6.8	6.8	7.3	7.1	7.2
30	8.0	7.4	7.7	7.1	7.0	7.1	6.9	6.8	6.8	7.3	7.1	7.2
31	8.1	7.5	7.7	---	---	---	7.2	6.8	6.8	7.3	7.1	7.2
<b>Max</b>	8.1	7.6	7.7	8.0	7.5	7.7	7.5	7.0	7.1	7.3	7.1	7.2
<b>Min</b>	7.0	6.8	6.9	7.0	6.8	6.9	6.9	6.7	6.8	6.8	6.7	6.8

## 02092162 NEUSE RIVER AT NEW BERN, 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	7.4	7.0	7.2	7.1	6.9	7.0	7.2	6.9	7.0	7.4	6.7	6.8
2	7.4	7.1	7.1	7.4	7.0	7.2	7.0	6.5	6.8	7.5	7.1	7.3
3	7.3	7.1	7.2	7.4	7.1	7.3	7.0	6.8	6.9	7.8	7.1	7.4
4	7.6	7.2	7.4	7.3	7.1	7.2	7.0	6.7	6.9	8.4	7.3	7.7
5	7.8	7.5	7.6	7.2	7.0	7.1	6.9	6.4	6.6	7.7	7.2	7.4
6	7.6	7.2	7.4	7.0	6.6	6.8	6.8	6.6	6.6	8.6	7.2	7.4
7	7.5	7.2	7.3	6.9	6.4	6.7	6.9	6.6	6.8	8.2	7.1	7.5
8	7.5	7.0	7.3	6.9	6.3	6.7	6.9	6.3	6.8	8.2	6.8	7.3
9	7.5	7.3	7.3	7.0	6.2	6.8	6.8	6.6	6.7	7.2	6.9	7.0
10	7.4	7.0	7.2	6.9	6.8	6.9	6.8	6.6	6.8	7.3	6.8	7.1
11	7.7	7.0	7.2	6.9	6.2	6.3	7.0	6.6	6.7	6.9	6.8	6.8
12	7.7	7.2	7.5	6.8	6.2	6.6	7.0	6.7	6.8	6.8	6.8	6.8
13	7.4	7.2	7.3	6.8	6.6	6.7	6.8	6.7	6.7	7.1	6.8	6.9
14	7.3	7.0	7.1	6.8	6.7	6.7	6.8	6.7	6.8	7.1	6.8	7.0
15	7.2	7.0	7.1	6.8	6.7	6.8	7.0	6.8	6.8	7.0	6.8	6.8
16	7.7	7.0	7.1	6.9	6.8	6.8	7.1	6.6	6.8	6.9	6.7	6.8
17	7.5	7.2	7.4	7.0	6.8	6.9	6.6	6.5	6.6	7.2	6.7	6.8
18	7.4	7.0	7.2	6.9	6.8	6.9	6.6	6.5	6.6	7.3	7.0	7.2
19	7.9	7.0	7.4	6.9	6.7	6.8	6.7	6.6	6.6	7.3	7.1	7.2
20	7.8	7.0	7.6	6.9	6.8	6.9	7.2	6.6	7.0	7.2	6.8	7.0
21	7.4	6.9	7.0	6.9	6.8	6.8	7.2	6.8	7.0	7.0	6.8	7.0
22	7.5	6.8	6.9	6.9	6.8	6.8	7.2	6.8	7.0	7.2	6.8	6.9
23	7.6	7.2	7.4	6.9	6.8	6.8	7.4	7.1	7.2	7.2	6.8	7.0
24	7.3	6.9	7.1	6.8	6.8	6.8	7.3	7.0	7.1	7.1	6.9	7.0
25	7.3	6.9	7.1	6.8	6.7	6.8	7.1	6.8	6.9	7.2	7.0	7.0
26	7.1	7.0	7.0	7.1	6.7	6.8	7.2	6.7	6.8	7.4	7.0	7.1
27	7.1	6.8	6.9	7.0	6.9	7.0	6.9	6.6	6.8	7.3	7.1	7.2
28	7.0	6.8	6.9	7.0	6.9	6.9	7.2	6.7	6.8	7.2	6.9	7.0
29	---	---	---	7.1	6.9	7.0	7.0	6.7	6.7	7.2	6.9	7.1
30	---	---	---	7.2	7.0	7.1	6.7	6.7	6.7	7.2	6.9	7.0
31	---	---	---	7.2	6.6	7.1	---	---	---	7.2	7.1	7.1
<b>Max</b>	7.9	7.5	7.6	7.4	7.1	7.3	7.4	7.1	7.2	8.6	7.3	7.7
<b>Min</b>	7.0	6.8	6.9	6.8	6.2	6.3	6.6	6.3	6.6	6.8	6.7	6.8

02092162 NEUSE RIVER AT NEW BERN, 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	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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>	24.1	22.5	23.0	15.1	14.5	14.8	11.2	10.3	10.7	10.2	7.4	8.5
<b>2</b>	23.4	21.4	22.5	15.8	14.2	14.9	11.0	8.7	9.9	9.4	7.2	8.6
<b>3</b>	22.7	22.3	22.6	15.7	14.2	14.7	10.9	9.6	10.3	9.6	8.2	8.9
<b>4</b>	22.6	22.2	22.5	15.8	14.6	15.3	10.7	9.4	10.3	9.3	8.7	9.0
<b>5</b>	22.4	21.8	22.2	15.8	15.4	15.6	11.3	9.6	10.8	10.5	9.2	9.6
<b>6</b>	22.4	20.5	21.8	16.3	15.0	15.7	11.2	9.0	10.5	10.5	9.8	10
<b>7</b>	22.7	20.7	22.2	16.3	15.9	16.1	10.7	8.3	9.9	12.6	10.2	11.5
<b>8</b>	22.1	20.2	21.4	17.8	16.0	16.9	9.7	8.6	9.0	10.8	9.6	10.1
<b>9</b>	21.3	20.8	21.0	17.4	16.5	16.8	9.5	8.1	9.1	9.6	8.4	9.1
<b>10</b>	22.1	20.8	21.2	16.8	14.8	16.2	10.3	8.9	9.3	10.3	8.8	9.7
<b>11</b>	21.9	21.1	21.4	16.7	14.7	16.4	12.5	10.1	11.3	11.1	10.1	10.5
<b>12</b>	22.4	20.7	21.4	16.4	14.6	16.0	13.3	11.1	12.2	10.5	9.4	10.1
<b>13</b>	22.2	20.5	21.6	16.3	15.6	15.9	11.1	9.8	10.4	9.6	8.8	9.2
<b>14</b>	22.4	21.8	22.0	16.3	16.0	16.1	11.5	10.2	11.2	9.5	8.1	8.8
<b>15</b>	22.7	22.2	22.4	18.3	16.2	17.4	12.0	10.9	11.5	8.9	7.2	8.0
<b>16</b>	22.9	22.3	22.5	18.1	16.0	16.7	12.3	11.5	11.9	7.4	5.6	6.6
<b>17</b>	23.0	22.1	22.4	16.7	13.8	16.0	13.1	11.6	12.1	8.4	4.6	6.3
<b>18</b>	22.4	19.7	20.8	15.1	12.4	13.9	13.1	12.0	12.3	5.7	4.6	5.0
<b>19</b>	20.3	18.3	19.1	12.4	10.9	11.6	12.9	12.0	12.4	5.6	4.5	5.0
<b>20</b>	18.7	17.4	18.0	12.0	10.3	11.3	14.0	12.4	13.0	6.5	5.0	5.5
<b>21</b>	18.7	17.7	18.2	11.7	9.6	10.4	13.5	12.5	13.0	6.3	3.9	4.9
<b>22</b>	18.6	16.4	17.6	9.6	7.5	8.3	12.5	9.5	10.9	5.8	4.3	5.2
<b>23</b>	18.1	15.6	16.9	9.2	8.4	8.9	10.8	8.7	9.6	5.8	3.8	5.0
<b>24</b>	17.3	16.1	16.4	9.3	8.8	9.2	10.3	8.8	9.5	6.2	5.1	5.7
<b>25</b>	17.8	16.3	17.0	9.7	8.4	9.1	10.9	10.0	10.6	7.3	5.0	6.2
<b>26</b>	17.8	17.4	17.6	10.1	8.0	8.9	10.7	10.0	10.5	7.5	6.6	7.0
<b>27</b>	18.4	16.4	17.6	10.0	9.2	9.6	11.3	10.5	10.7	7.2	6.6	6.9
<b>28</b>	16.7	14.4	15.6	10.3	9.3	9.8	13.1	10.9	11.8	9.1	6.2	7.6
<b>29</b>	15.4	12.5	14.1	10.6	9.9	10.3	13.1	11.6	12.2	9.4	8.9	9.2
<b>30</b>	15.4	12.8	14.0	10.6	9.9	10.3	12.2	10.7	11.5	9.2	8.0	8.8
<b>31</b>	14.9	13.8	14.4	---	---	---	11.6	10.2	11.1	8.7	7.2	8.1
<b>Month</b>	24.1	12.5	19.7	18.3	7.5	13.4	14.0	8.1	11.0	12.6	3.8	7.9

## 02092162 NEUSE RIVER AT NEW BERN, 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>	8.9	7.4	8.2	10.3	8.8	9.5	16.7	16.0	16.4	24.6	23.1	23.7
<b>2</b>	9.1	7.8	8.5	8.9	7.2	8.3	16.6	16.2	16.4	24.2	23.0	23.7
<b>3</b>	9.0	8.0	8.5	8.0	6.2	7.2	18.4	16.5	17.4	24.9	23.3	24.0
<b>4</b>	8.0	6.8	7.3	8.6	6.1	7.2	18.5	17.1	17.8	25.1	23.6	24.3
<b>5</b>	6.9	5.4	6.2	8.6	6.0	7.2	18.8	17.0	17.9	24.3	23.5	23.9
<b>6</b>	7.0	5.0	6.2	9.6	6.7	8.0	19.6	18.1	18.7	24.8	23.1	23.8
<b>7</b>	7.5	5.7	6.7	11.6	8.1	9.1	18.7	16.3	17.2	24.7	23.6	24.1
<b>8</b>	9.0	6.9	7.9	13.0	9.7	11.0	16.3	14.6	15.7	25.2	23.7	24.3
<b>9</b>	9.7	7.6	8.5	14.4	11.4	12.7	16.8	14.7	15.6	26.3	24.1	25.2
<b>10</b>	10.2	8.4	9.5	14.6	12.2	13.3	17.8	15.7	16.7	26.3	25.0	25.6
<b>11</b>	11.7	9.7	10.7	15.5	13.2	14.3	18.2	16.7	17.4	25.7	22.6	24.3
<b>12</b>	12.7	11.4	12.0	14.9	14.1	14.6	18.2	16.0	17.2	24.6	21.4	22.9
<b>13</b>	12.2	11.0	11.7	14.3	13.1	13.6	17.8	16.5	16.9	23.6	21.3	22.4
<b>14</b>	11.7	10.9	11.4	13.1	12.2	12.4	16.7	16.1	16.3	22.3	21.6	21.9
<b>15</b>	11.5	10.3	10.9	12.2	11.8	12.0	16.6	16.0	16.2	23.1	21.4	22.2
<b>16</b>	11.1	9.7	10.3	12.0	11.6	11.8	16.3	15.0	15.5	23.3	22.2	22.8
<b>17</b>	9.9	8.6	9.2	11.9	11.3	11.6	17.4	15.0	16.0	23.4	22.5	22.9
<b>18</b>	10.3	9.0	9.6	12.6	10.4	11.4	16.9	15.3	15.9	22.7	20.0	21.1
<b>19</b>	11.3	9.8	10.4	13.8	11.6	12.5	17.4	16.2	16.8	20.4	19.5	19.8
<b>20</b>	10.1	8.7	9.4	13.4	12.2	12.9	19.4	17.2	18.1	20.5	18.9	19.7
<b>21</b>	9.9	8.3	9.3	13.7	12.0	12.9	20.2	18.5	19.2	21.3	19.0	20.1
<b>22</b>	10.2	9.0	9.6	13.9	11.6	12.7	19.7	18.2	19.0	21.2	19.6	20.4
<b>23</b>	9.0	7.5	8.3	14.5	12.4	13.2	19.1	17.2	18.2	23.3	20.7	21.9
<b>24</b>	8.6	6.6	7.6	13.8	12.7	13.4	20.6	18.2	19.2	23.9	22.6	23.2
<b>25</b>	8.7	7.6	8.3	13.2	12.3	12.6	22.4	20.1	21.0	24.4	23.3	23.7
<b>26</b>	9.1	7.7	8.2	12.7	11.9	12.3	22.7	21.4	21.9	24.9	23.8	24.3
<b>27</b>	11.0	8.3	9.5	13.9	12.6	13.1	24.1	21.6	22.6	25.2	24.3	24.7
<b>28</b>	11.0	9.9	10.7	15.7	13.8	14.5	24.1	22.6	23.2	26.0	24.6	25.1
<b>29</b>	---	---	---	17.4	15.0	16.0	25.3	22.8	23.7	26.5	25.0	25.7
<b>30</b>	---	---	---	16.3	14.9	15.8	24.0	19.7	22.6	26.7	25.4	25.9
<b>31</b>	---	---	---	17.2	15.9	16.4	---	---	---	27.9	25.2	26.4
<b>Month</b>	12.7	5.0	9.1	17.4	6.0	12.0	25.3	14.6	18.2	27.9	18.9	23.4

02092162 NEUSE RIVER AT NEW BERN, 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	28.3	23.0	26.2	---	---	---	---	---	---	---	---	---
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>	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	22.7	22.3	22.5	15.2	14.9	15.1	11.1	10.7	10.9	10.7	9.6	10.3
2	22.9	22.4	22.6	15.2	14.6	14.8	11.3	11.0	11.2	10.6	9.9	10.4
3	22.5	22.2	22.4	14.8	14.4	14.5	11.4	11.2	11.3	10.3	9.9	10.1
4	22.3	22.2	22.2	14.9	14.4	14.7	11.7	11.3	11.5	10.3	9.8	10.1
5	22.4	22.2	22.3	16.0	14.9	15.7	11.6	11.3	11.4	10.2	9.8	10
6	22.5	22.4	22.4	16.1	15.6	15.9	11.6	11.4	11.5	10.2	9.8	9.9
7	22.5	22.4	22.4	16.3	16.0	16.2	11.6	10.7	11.3	12.7	10.2	11.4
8	22.7	22.5	22.6	16.8	16.2	16.4	11.3	10.2	11.1	11.2	10.0	10.8
9	22.7	22.6	22.6	16.7	16.4	16.6	11.5	9.8	11.0	11.1	9.9	10.5
10	22.7	22.5	22.6	16.7	16.6	16.7	11.0	10.2	10.6	10.8	10.3	10.6
11	22.6	22.4	22.5	16.6	16.2	16.4	12.7	10.3	11.2	10.6	10.1	10.4
12	22.5	22.4	22.5	16.4	16.2	16.3	13.0	10.8	12.2	10.7	10.5	10.6
13	22.6	22.4	22.5	16.4	16.0	16.3	12.3	11.3	12.0	10.8	10.6	10.7
14	22.6	22.4	22.5	16.5	16.3	16.4	12.2	11.8	12.0	10.8	10.4	10.7
15	22.5	22.3	22.4	18.2	16.2	17.0	12.4	12.0	12.2	10.7	10.1	10.5
16	22.5	22.3	22.4	18.2	16.7	17.3	12.3	12.0	12.1	10.3	9.6	9.9
17	22.5	22.2	22.4	16.9	16.1	16.4	12.1	12.0	12.0	9.9	9.6	9.7
18	22.4	21.8	22.2	16.1	13.7	15.3	12.1	11.7	11.9	9.8	9.5	9.7
19	21.9	18.6	19.9	13.7	11.7	12.3	12.3	11.8	12.0	9.7	9.2	9.4
20	18.8	17.8	18.2	12.5	11.5	12.0	12.3	12.1	12.3	9.4	8.4	8.8
21	18.8	18.2	18.5	12.1	10.4	11.7	13.2	12.2	12.6	8.7	8.3	8.5
22	18.9	18.4	18.6	10.8	9.2	9.9	12.8	11.2	11.9	8.8	8.5	8.7
23	18.7	17.8	18.4	10.5	9.8	10.2	11.9	11.1	11.7	8.8	8.3	8.7
24	18.5	16.9	18.0	10.3	9.5	9.7	11.8	10.2	11.2	8.8	7.9	8.3
25	17.9	16.6	17.2	10.0	9.6	9.8	11.3	10.1	10.8	8.0	7.3	7.5
26	17.9	17.7	17.8	10.4	9.9	10.1	11.5	11.2	11.3	7.6	7.3	7.4
27	18.0	17.4	17.7	10.6	10.3	10.4	11.5	11.2	11.4	7.7	7.5	7.6
28	17.5	16.1	16.7	10.8	10.4	10.6	11.6	11.3	11.4	9.1	7.7	8.0
29	16.5	15.6	16.1	10.8	10.4	10.5	11.7	11.4	11.5	9.3	8.7	8.9
30	15.9	14.6	15.2	10.9	10.5	10.6	11.7	11.5	11.6	9.0	8.7	8.9
31	15.1	14.7	14.9	---	---	---	11.9	10.6	11.5	9.1	8.9	9.0
Month	22.9	14.6	20.4	18.2	9.2	13.9	13.2	9.8	11.6	12.7	7.3	9.5

## 02092162 NEUSE RIVER AT NEW BERN, 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		
<b>1</b>	9.2	8.6	9.0	10.0	9.3	9.7	16.7	16.1	16.4	24.0	20.3	21.9
<b>2</b>	9.3	8.9	9.1	9.7	8.4	9.2	16.7	15.9	16.4	24.1	22.8	23.4
<b>3</b>	9.3	8.8	9.0	8.9	8.3	8.6	18.5	16.6	17.4	24.6	23.1	23.6
<b>4</b>	9.1	7.4	8.5	8.7	8.6	8.6	18.2	17.3	17.7	25.0	23.4	24.1
<b>5</b>	7.7	6.0	6.7	8.7	8.2	8.5	18.9	15.7	17.4	24.3	23.4	23.8
<b>6</b>	7.3	6.6	6.9	9.6	8.0	8.7	19.7	18.1	18.8	24.6	22.9	23.5
<b>7</b>	7.5	6.9	7.2	10.9	8.1	9.0	18.8	16.4	17.4	24.4	23.5	23.8
<b>8</b>	7.7	6.8	7.2	10.9	9.0	9.7	16.6	14.7	15.7	24.4	23.5	23.9
<b>9</b>	7.2	6.8	6.9	11.6	9.3	10.2	15.9	14.8	15.3	26.2	24.0	24.9
<b>10</b>	8.6	7.0	7.7	10.0	9.2	9.5	17.9	15.7	16.6	26.1	24.1	25.1
<b>11</b>	12.0	7.8	9.3	15.0	9.6	12.7	18.2	16.8	17.4	24.1	23.6	23.8
<b>12</b>	12.6	11.0	11.9	15.2	11.5	14.1	18.2	16.2	17.1	23.8	23.5	23.7
<b>13</b>	11.5	10.8	11.2	14.0	11.8	12.8	17.9	16.6	17.0	23.6	23.2	23.4
<b>14</b>	11.2	10.7	11.0	12.7	12.1	12.4	16.8	16.2	16.5	23.4	21.8	22.5
<b>15</b>	11.0	10.7	10.8	12.3	12.1	12.2	16.8	16.1	16.4	23.0	21.5	22.3
<b>16</b>	10.8	10.2	10.7	12.1	11.9	12.1	16.5	15.2	15.8	23.1	22.2	22.6
<b>17</b>	10.4	9.0	9.6	12.1	12.0	12.1	16.0	15.9	16.0	23.5	22.6	22.8
<b>18</b>	10.1	9.5	9.7	12.2	12.0	12.1	16.0	15.9	16.0	22.7	20.3	21.3
<b>19</b>	11.1	9.9	10.3	12.2	12.1	12.1	16.4	16.0	16.1	20.7	19.6	20.1
<b>20</b>	10.3	9.2	9.7	12.7	12.2	12.4	19.4	16.2	17.8	20.4	18.9	19.8
<b>21</b>	10.0	9.7	9.8	12.6	12.4	12.5	20.3	18.6	19.1	20.1	19.9	20.0
<b>22</b>	10.3	9.4	10.0	12.9	12.4	12.6	19.8	18.3	19.2	20.5	19.9	20.1
<b>23</b>	9.6	8.2	8.9	13.5	12.7	12.8	18.9	17.6	18.3	22.9	20.2	21.4
<b>24</b>	8.8	8.2	8.5	13.2	12.8	13.0	20.3	18.2	18.8	23.7	22.4	22.9
<b>25</b>	8.6	8.4	8.6	13.1	13.0	13.1	21.3	19.8	20.3	24.1	22.8	23.4
<b>26</b>	8.7	8.5	8.6	13.1	12.5	12.8	22.4	20.7	21.2	24.8	23.6	24.1
<b>27</b>	10.1	8.6	9.1	14.0	12.7	13.2	22.4	20.2	21.3	24.9	24.1	24.5
<b>28</b>	9.9	8.9	9.4	15.8	13.9	14.4	21.8	19.4	20.3	25.6	23.1	24.1
<b>29</b>	---	---	---	17.4	15.1	16.0	20.1	19.2	19.5	26.1	24.1	25.1
<b>30</b>	---	---	---	16.4	15.0	15.8	20.7	19.2	19.7	25.8	23.8	24.5
<b>31</b>	---	---	---	16.9	15.3	16.1	---	---	---	24.0	23.1	23.5
<b>Month</b>	12.6	6.0	9.1	17.4	8.0	11.9	22.4	14.7	17.8	26.2	18.9	23.0

02092162 NEUSE RIVER AT NEW BERN, 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	23.6	22.8	23.1	---	---	---	---	---	---	---	---	---
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>	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	6.5	2.4	3.9	10.8	2.1	6.8	9.7	6.0	8.8	10.6	8.7	10.0
2	6.1	0.8	3.6	11.7	3.1	7.6	9.8	7.9	9.0	10.2	8.8	9.8
3	3.4	0.1	0.6	8.3	4.4	5.9	9.2	7.0	8.3	10.1	7.6	9.3
4	0.7	0.1	0.3	10.7	4.9	8.9	9.8	7.9	8.8	10.1	8.2	9.3
5	0.9	0.1	0.3	8.8	7.2	8.2	8.7	4.6	6.6	9.5	6.1	7.8
6	4.5	0.1	0.9	9.7	3.5	7.4	9.4	4.6	6.4	9.8	5.6	6.8
7	4.4	0.1	0.9	9.2	2.2	7.4	9.7	5.2	7.9	10.3	8.1	9.8
8	7.6	0.6	3.1	10.4	0.5	7.0	12.1	8.2	9.2	10.6	9.6	10.2
9	6.0	4.2	4.7	10.3	2.3	8.6	10.9	8.8	9.8	10.8	10.1	10.5
10	9.5	5.1	6.8	10.2	3.3	6.3	10.8	9.8	10.4	10.7	8.7	10.1
11	8.4	1.5	7.0	6.9	2.4	4.8	10.5	9.9	10.3	10.7	10.1	10.3
12	9.3	0.7	5.2	7.0	0.9	3.5	10.5	9.1	10.1	10.4	7.8	9.6
13	8.6	3.1	5.2	8.5	3.3	6.4	10.5	9.5	10.1	10.5	9.4	9.8
14	6.4	1.1	3.5	7.8	3.4	6.3	12.2	8.8	9.6	10.1	7.9	9.3
15	6.0	0.2	3.4	9.0	5.2	7.5	9.9	8.9	9.5	10.4	8.8	9.8
16	11.0	3.0	4.9	9.6	7.0	8.4	9.6	9.3	9.5	10.7	9.3	10.2
17	4.9	0.8	2.6	9.3	2.9	6.7	9.4	8.5	8.9	10.9	6.5	9.6
18	5.7	0.9	3.9	9.0	6.6	7.8	8.9	6.1	7.6	11.6	10.6	11.2
19	8.0	4.3	6.5	9.4	7.2	8.8	8.3	6.2	7.6	11.9	11.1	11.5
20	11.1	6.7	8.1	9.8	3.8	8.3	8.4	7.8	8.1	11.9	8.4	10.7
21	11.4	4.8	8.2	9.4	7.9	8.7	8.6	8.1	8.3	11.5	8.2	10.2
22	9.2	4.8	7.6	9.6	8.7	9.4	9.8	8.3	8.9	11.2	9.8	10.5
23	10.1	6.2	8.4	9.1	4.6	7.8	9.3	7.6	8.7	12.3	11.1	11.8
24	10.3	5.5	8.8	8.3	5.3	7.1	9.6	7.2	8.9	12.3	11.8	12.2
25	9.4	7.6	8.6	9.6	5.0	8.3	9.8	9.4	9.6	12.3	4.3	7.4
26	8.9	3.7	7.9	10.2	7.1	8.8	9.8	9.0	9.3	6.9	4.3	5.2
27	10.5	0.4	6.5	9.3	7.0	7.9	9.4	7.9	8.7	10.6	4.4	6.2
28	9.8	7.2	8.9	8.9	7.1	8.0	9.3	7.4	8.8	10.9	8.9	10.4
29	10.7	7.2	9.4	8.2	6.6	7.1	9.3	8.7	9.1	10.7	8.4	10.0
30	10.2	3.6	8.7	7.1	6.3	6.6	9.0	5.3	8.3	10.9	9.6	10.1
31	10.3	1.7	6.3	---	---	---	9.7	6.9	8.4	10.6	9.3	9.9
Month	11.4	0.1	5.3	11.7	0.5	7.4	12.2	4.6	8.8	12.3	4.3	9.7

## 02092162 NEUSE RIVER AT NEW BERN, 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>	11.2	9.5	10.5	11.0	9.6	10.3	9.1	8.0	8.6	8.7	7.5	8.2
<b>2</b>	11.2	10.3	10.9	10.8	9.2	10.1	8.0	7.1	7.4	8.8	7.3	8.0
<b>3</b>	11.2	10.2	10.7	11.2	10.5	10.8	8.2	7.5	7.8	9.9	7.8	8.7
<b>4</b>	11.1	10.4	10.8	11.7	10.0	10.7	8.2	7.6	8.0	9.9	8.0	8.8
<b>5</b>	11.8	10.8	11.3	10.9	9.9	10.6	7.9	6.3	6.9	9.3	8.0	8.7
<b>6</b>	12.7	11.5	11.8	11.0	10.6	10.8	8.0	6.7	7.2	8.9	7.6	8.1
<b>7</b>	12.1	11.3	11.7	10.9	10.3	10.7	8.0	6.8	7.5	8.8	7.1	7.8
<b>8</b>	12.1	11.6	11.8	10.3	9.8	10.2	8.0	7.0	7.5	10.9	7.4	8.7
<b>9</b>	14.7	10.2	12.0	9.8	9.3	9.6	8.1	7.0	7.6	7.9	6.4	7.2
<b>10</b>	12.0	10.7	11.8	9.4	8.9	9.2	8.4	7.3	7.9	8.6	5.8	7.4
<b>11</b>	12.0	11.2	11.7	9.2	8.6	8.8	8.7	8.0	8.4	7.8	1.5	6.5
<b>12</b>	11.2	10.2	10.8	9.5	8.4	8.9	8.7	7.6	8.2	6.8	3.0	5.5
<b>13</b>	11.1	10.1	10.6	9.2	8.4	8.9	8.3	7.3	7.7	7.4	4.5	6.4
<b>14</b>	11.3	8.5	10.3	8.8	8.2	8.4	8.3	7.5	7.9	7.5	6.4	6.9
<b>15</b>	11.8	8.7	10.5	8.8	8.2	8.5	8.2	7.6	7.9	7.3	6.4	6.9
<b>16</b>	11.3	8.5	10.1	9.3	8.4	8.9	9.0	7.9	8.4	7.4	6.9	7.1
<b>17</b>	12.6	9.7	10.9	9.7	8.2	9.0	8.9	7.4	8.1	7.5	6.6	6.9
<b>18</b>	11.9	8.6	10.5	9.3	6.9	8.1	7.7	7.0	7.3	8.5	7.0	7.8
<b>19</b>	12.2	9.7	10.9	9.7	8.3	9.0	8.0	7.1	7.5	9.3	7.3	8.4
<b>20</b>	12.1	10.7	11.3	9.5	8.7	9.1	8.5	7.6	7.9	8.7	7.1	7.7
<b>21</b>	13.5	10.7	11.9	9.7	8.3	9.0	8.2	7.6	8.0	7.9	6.4	7.1
<b>22</b>	12.7	10.2	11.1	9.5	6.7	8.7	8.7	7.6	7.9	7.1	6.3	6.7
<b>23</b>	11.6	10.1	10.8	9.3	4.5	8.5	9.1	7.9	8.5	8.1	6.4	7.2
<b>24</b>	12.6	10.9	11.3	9.7	8.7	9.3	9.3	8.2	8.7	8.6	7.2	7.8
<b>25</b>	13.2	10.0	11.6	9.8	8.7	9.3	8.4	7.6	8.0	8.5	7.5	8.1
<b>26</b>	13.0	10.3	11.8	9.4	8.6	9.0	9.6	7.7	8.3	9.6	7.8	8.6
<b>27</b>	12.2	8.1	11.0	9.5	8.6	8.9	9.4	7.6	8.4	9.8	7.5	8.6
<b>28</b>	11.9	7.3	10.9	9.4	8.6	9.0	10.1	8.0	8.9	8.9	6.5	7.9
<b>29</b>	---	---	---	9.4	8.6	8.9	11.8	6.8	9.2	8.8	7.1	7.9
<b>30</b>	---	---	---	9.7	8.6	9.1	9.6	0.5	7.2	10.2	3.6	7.8
<b>31</b>	---	---	---	9.6	8.3	9.1	---	---	---	9.6	3.9	7.2
<b>Month</b>	14.7	7.3	11.1	11.7	4.5	9.3	11.8	0.5	8.0	10.9	1.5	7.6

02092162 NEUSE RIVER AT NEW BERN, 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	12.6	0.1	5.8	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	2.3	0.5	1.4	2.1	0.1	0.5	5.8	4.5	5.4	8.8	6.6	7.6
2	2.0	0.1	0.6	1.4	0.1	0.3	5.8	4.8	5.2	7.6	5.6	6.5
3	0.3	0.0	0.1	4.9	0.3	1.9	5.4	4.7	5.0	6.7	5.8	6.3
4	0.2	0.0	0.0	5.8	1.0	2.7	4.8	3.6	4.1	6.5	3.2	5.4
5	0.1	0.0	0.0	7.9	1.0	5.7	5.0	4.2	4.6	5.4	4.2	4.8
6	0.0	0.0	0.0	7.8	0.9	4.2	4.5	3.5	4.1	5.6	3.9	5.0
7	0.0	0.0	0.0	6.4	0.8	3.4	6.4	3.2	4.7	10.4	3.5	8.4
8	0.0	0.0	0.0	4.9	0.3	2.7	7.2	2.1	4.1	10.1	8.2	9.5
9	0.0	0.0	0.0	4.8	0.5	2.5	8.4	0.4	3.7	10.2	7.4	8.8
10	0.0	0.0	0.0	4.9	0.8	3.6	7.1	0.4	4.9	8.5	6.0	7.5
11	0.0	0.0	0.0	5.8	2.4	4.9	10.3	0.4	4.8	10.6	5.8	8.7
12	0.0	0.0	0.0	4.6	2.3	3.7	9.4	3.1	7.2	7.8	5.8	7.2
13	0.0	0.0	0.0	5.4	0.8	2.3	9.3	7.6	8.2	7.5	5.1	6.6
14	0.4	0.0	0.0	1.8	0.1	0.7	8.5	6.7	7.9	7.1	4.7	6.1
15	0.1	0.0	0.0	7.6	0.1	4.2	7.3	0.1	4.5	7.0	3.6	5.8
16	0.2	0.0	0.1	7.0	1.8	4.5	6.8	1.2	5.2	6.4	4.7	5.7
17	1.2	0.1	0.2	6.6	0.1	3.8	6.5	5.0	6.0	5.6	4.1	5.0
18	1.3	0.1	0.7	7.9	4.4	6.2	6.3	5.4	5.7	4.9	0.2	2.6
19	7.3	1.0	4.4	9.2	2.6	7.5	5.8	3.1	4.9	4.7	2.4	3.8
20	7.5	1.8	4.7	8.6	1.4	5.7	5.0	2.0	4.1	5.0	3.2	4.2
21	6.1	0.2	2.8	8.7	6.0	7.5	6.2	1.5	3.9	3.9	1.7	3.0
22	5.6	1.6	3.3	9.2	1.2	6.6	8.7	3.8	6.7	2.7	0.6	1.8
23	3.9	0.6	2.3	6.7	0.1	1.2	6.8	3.4	4.9	2.7	0.4	1.6
24	5.1	0.1	1.6	8.3	2.1	6.6	9.0	1.6	5.0	3.8	0.2	2.3
25	8.6	0.2	5.7	7.5	2.9	6.7	9.6	6.0	8.2	5.0	3.4	4.4
26	7.3	1.2	3.9	7.2	6.6	6.9	7.7	4.5	5.4	4.8	3.5	4.2
27	8.8	1.2	4.9	6.8	6.0	6.5	5.4	4.3	5.0	4.1	2.8	3.7
28	7.5	0.5	3.2	6.4	5.7	6.1	5.2	2.0	3.7	9.3	3.1	4.9
29	7.0	0.8	3.5	6.8	6.0	6.5	4.0	0.8	2.8	8.9	6.8	7.8
30	7.6	2.0	4.7	6.3	4.8	5.8	2.8	0.0	2.3	7.9	3.2	6.8
31	3.9	0.2	1.6	---	---	---	8.6	1.4	4.6	8.2	4.8	7.0
Month	8.8	0.0	1.6	9.2	0.1	4.4	10.3	0.0	5.1	10.6	0.2	5.6

## 02092162 NEUSE RIVER AT NEW BERN, 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	10.2	2.0	7.1	8.0	5.1	6.6	8.7	6.7	7.9	8.9	0.1	3.2
2	9.2	2.3	6.1	10.5	5.8	8.0	7.5	1.0	5.6	8.7	7.2	8.0
3	9.4	0.6	7.1	9.8	8.4	9.1	7.8	7.2	7.5	9.3	7.1	8.3
4	10.6	7.0	8.9	8.9	6.3	7.6	7.8	5.1	7.2	10.2	7.8	8.8
5	11.6	10.2	10.8	7.2	5.2	6.4	7.4	0.2	3.7	8.8	7.2	8.0
6	10.6	5.9	9.5	11.2	0.6	6.2	7.7	6.3	6.9	9.7	6.4	7.8
7	9.4	2.6	7.3	11.1	2.2	8.4	7.8	6.5	7.3	8.6	5.4	7.2
8	9.3	3.1	7.5	10.3	1.9	6.1	7.8	1.5	7.1	9.0	3.5	7.4
9	9.1	7.5	8.1	9.6	0.2	3.5	7.5	3.8	6.5	7.7	5.1	6.7
10	9.2	4.3	7.2	4.5	0.5	3.2	8.2	2.8	7.0	7.8	0.6	4.9
11	11.2	1.5	7.7	9.1	0.3	5.7	8.4	7.6	8.1	2.3	0.1	0.5
12	11.2	8.7	10.0	9.4	1.4	7.0	8.5	7.3	7.8	0.2	0.1	0.1
13	9.3	6.8	8.2	6.8	0.1	1.8	8.0	7.0	7.4	0.1	0.0	0.1
14	7.6	2.9	6.2	1.8	0.1	0.5	8.1	7.2	7.6	7.3	0.0	3.4
15	---	---	---	2.1	0.1	0.8	8.0	7.3	7.6	6.9	0.1	5.7
16	---	---	---	3.2	0.2	1.7	8.2	1.2	6.2	6.9	2.2	6.1
17	---	---	---	4.1	1.6	3.1	1.2	0.1	0.7	6.4	2.2	4.7
18	---	---	---	3.2	0.2	2.0	0.5	0.0	0.3	6.7	3.9	5.2
19	---	---	---	2.6	0.1	0.9	0.6	0.1	0.1	6.8	4.1	5.6
20	---	---	---	4.1	1.5	2.3	8.1	0.1	4.4	6.5	0.8	3.7
21	---	---	---	2.8	0.7	2.1	8.3	3.5	7.3	4.3	0.3	1.7
22	---	---	---	5.2	0.2	1.8	8.1	7.2	7.6	3.0	0.0	0.9
23	---	---	---	6.0	0.2	2.1	8.3	6.8	7.7	5.7	0.0	3.1
24	---	---	---	3.6	0.1	1.7	8.4	5.3	7.6	6.2	0.2	4.2
25	---	---	---	2.8	0.2	1.4	8.0	5.3	7.2	6.7	0.5	4.2
26	7.9	2.4	6.1	9.1	0.2	5.0	8.8	5.3	6.9	7.1	0.0	3.9
27	9.7	4.0	5.9	9.3	8.1	8.6	7.6	1.1	4.8	6.7	0.1	3.8
28	6.0	0.6	4.2	9.2	8.3	8.7	6.0	0.1	1.3	6.9	0.0	2.2
29	---	---	---	9.2	8.4	8.7	0.9	0.1	0.4	7.1	0.2	3.9
30	---	---	---	9.4	8.0	8.6	1.2	0.1	0.2	6.0	0.0	1.0
31	---	---	---	9.2	0.5	6.6	---	---	---	0.0	0.0	0.0
Month	---	---	---	11.2	0.1	4.7	8.8	0.0	5.6	10.2	0.0	4.3

02092162 NEUSE RIVER AT NEW BERN, 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	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	79	29	48	114	22	73	91	59	83	91	80	87
2	74	10	43	125	42	82	91	75	82	88	80	85
3	41	1	7	89	47	64	85	68	79	87	69	82
4	9	1	3	115	53	96	90	75	81	87	73	82
5	11	1	4	95	78	88	81	47	65	84	57	71
6	53	1	11	106	38	81	86	47	62	89	53	64
7	52	1	11	100	24	80	86	52	75	96	75	92
8	90	7	37	115	5	77	112	77	86	95	88	92
9	69	48	54	112	25	94	101	83	90	95	88	92
10	111	58	77	111	37	69	97	87	93	95	81	89
11	96	18	81	76	27	54	99	90	95	98	91	93
12	109	9	61	75	10	39	101	89	96	94	72	86
13	102	37	62	93	37	70	97	89	93	92	84	86
14	78	14	43	85	37	69	115	85	91	88	72	81
15	74	2	42	101	57	83	91	82	88	88	77	84
16	137	37	60	103	77	91	90	86	88	89	77	85
17	60	10	32	99	31	72	88	80	84	88	59	79
18	66	11	46	92	69	80	85	60	73	92	85	88
19	93	51	76	91	69	85	79	60	73	94	87	91
20	128	76	92	94	38	78	82	74	78	94	71	86
21	130	54	93	88	72	82	83	78	80	94	70	82
22	103	55	86	87	77	83	87	77	82	91	80	84
23	114	72	94	82	42	71	84	72	78	98	89	93
24	113	63	97	75	49	65	86	66	79	100	94	98
25	103	86	96	88	46	75	89	84	87	99	38	61
26	101	42	90	93	70	80	89	81	84	61	39	46
27	119	5	73	85	68	76	85	73	79	92	40	55
28	105	77	95	84	70	77	88	69	82	94	75	89
29	110	71	97	80	66	71	88	80	86	95	76	89
30	104	39	90	68	62	66	84	51	77	95	86	89
31	109	18	67	---	---	---	88	65	78	93	84	87
Month	137	1	60	125	5	76	115	47	82	100	38	83

## 02092162 NEUSE RIVER AT NEW BERN, 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	96	85	92	98	86	92	93	82	88	103	89	97
2	97	92	95	94	81	87	82	72	76	106	86	95
3	98	89	92	94	87	90	88	77	82	120	92	104
4	93	89	91	98	84	89	88	81	84	121	95	106
5	97	90	94	93	83	88	84	65	73	112	95	104
6	106	93	97	96	88	92	87	71	78	108	89	96
7	100	94	97	97	91	93	85	70	78	106	84	93
8	105	96	100	97	90	93	81	70	75	133	89	105
9	129	91	104	96	88	91	84	69	77	98	76	88
10	108	94	104	93	84	88	89	74	82	107	71	90
11	109	100	106	92	82	87	92	82	88	94	19	78
12	105	97	102	94	83	87	91	78	85	79	36	65
13	106	95	100	88	80	86	86	75	79	87	54	75
14	105	82	97	82	77	79	86	76	81	87	73	80
15	110	83	97	82	76	79	85	77	80	85	73	80
16	107	81	93	87	78	82	92	80	85	87	80	83
17	114	87	98	90	76	83	89	76	82	88	77	81
18	108	78	95	86	65	75	79	70	74	95	82	89
19	113	88	100	92	78	85	84	72	78	103	82	93
20	109	94	101	91	82	87	93	79	84	95	79	84
21	121	99	106	94	78	86	91	82	86	89	69	79
22	113	90	99	92	64	83	93	82	86	79	69	75
23	103	88	94	92	44	81	98	84	91	95	72	82
24	106	90	96	94	82	89	104	89	95	102	84	92
25	116	87	101	93	82	88	97	84	90	102	89	96
26	112	90	101	88	80	84	111	87	95	116	93	104
27	108	73	98	92	81	85	112	87	97	119	91	104
28	110	68	100	95	83	89	121	93	105	108	79	97
29	---	---	---	98	86	90	144	81	110	110	86	97
30	---	---	---	99	86	92	114	6	85	127	44	96
31	---	---	---	100	84	93	---	---	---	123	48	90
Month	129	68	98	100	44	87	144	6	85	133	19	90

02092162 NEUSE RIVER AT NEW BERN, 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	164	1	73	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	29	6	18	23	1	6	58	45	54	81	63	72
2	25	1	8	15	1	3	57	48	52	70	54	62
3	4	0	1	53	3	21	55	48	51	64	55	60
4	3	0	0	63	11	29	49	37	42	62	31	52
5	1	0	0	86	11	62	51	43	47	50	41	45
6	0	0	0	85	10	45	46	36	42	54	38	48
7	0	0	0	70	9	37	64	33	48	97	34	79
8	0	0	0	54	3	30	71	21	42	91	76	87
9	0	0	0	53	6	28	80	4	37	92	71	83
10	0	0	0	55	9	41	68	4	47	80	56	72
11	0	0	0	65	27	55	99	4	47	96	53	80
12	0	0	0	52	26	42	94	30	71	73	56	69
13	0	0	0	59	9	26	89	75	81	72	49	64
14	5	0	0	20	1	8	85	67	79	66	46	59
15	1	0	0	86	1	47	73	1	45	66	35	56
16	3	0	0	77	20	50	68	12	52	61	45	54
17	15	1	2	73	1	43	65	50	59	53	39	47
18	16	1	9	82	49	67	63	54	57	46	2	25
19	84	13	52	90	26	75	58	31	49	43	23	35
20	86	21	54	86	14	57	51	20	41	47	30	39
21	70	2	32	84	61	76	62	15	39	36	16	28
22	66	19	39	87	11	63	82	38	65	25	6	17
23	46	7	27	64	1	11	66	34	48	25	4	15
24	57	1	18	79	20	63	81	16	48	---	---	---
25	97	2	64	73	28	65	87	56	75	---	---	---
26	83	14	45	71	65	68	72	43	52	---	---	---
27	99	14	56	68	60	64	52	42	48	---	---	---
28	84	5	35	64	57	61	50	20	36	82	29	44
29	76	9	38	68	60	65	39	8	28	78	62	71
30	83	22	52	63	48	58	27	14	23	72	29	63
31	43	2	18	---	---	---	81	14	45	73	44	65
Month	99	0	18	90	1	46	99	1	50	---	---	---

## 02092162 NEUSE RIVER AT NEW BERN, 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	91	18	64	73	46	60	89	68	81	106	1	38
2	83	21	56	93	54	73	77	10	57	104	86	95
3	84	6	64	87	75	81	84	74	78	112	84	99
4	91	63	79	80	57	69	82	54	76	124	93	105
5	97	87	91	64	47	58	79	2	39	106	86	96
6	90	52	82	99	6	54	84	67	74	118	75	92
7	83	23	64	96	20	74	84	68	76	103	64	86
8	82	27	66	93	18	55	80	16	72	109	42	88
9	81	67	72	88	2	33	75	39	65	95	61	81
10	82	39	64	43	5	31	87	29	73	96	7	60
11	105	14	71	89	3	56	89	79	84	28	1	6
12	105	83	94	93	14	69	89	75	81	3	0	1
13	88	66	78	67	1	18	83	72	77	1	0	0
14	73	28	60	18	1	5	84	73	78	85	0	39
15	---	---	---	21	1	8	83	75	78	81	1	66
16	---	---	---	32	2	17	84	13	63	80	26	71
17	---	---	---	40	16	31	13	1	7	75	26	55
18	---	---	---	32	2	20	5	1	3	75	46	59
19	---	---	---	25	1	9	6	1	1	76	47	63
20	---	---	---	41	15	23	88	1	47	70	9	41
21	---	---	---	28	7	21	90	38	80	48	3	19
22	---	---	---	51	2	18	87	78	82	34	0	10
23	---	---	---	59	2	21	90	72	83	67	0	35
24	---	---	---	35	1	17	93	57	82	74	2	49
25	---	---	---	28	2	14	89	58	80	80	6	50
26	72	22	56	86	2	47	102	60	78	86	0	47
27	88	37	54	90	77	82	87	13	55	81	1	46
28	55	6	38	93	81	85	69	1	15	84	0	27
29	---	---	---	96	84	89	10	1	4	88	2	47
30	---	---	---	96	80	87	14	1	2	74	0	12
31	---	---	---	94	5	68	---	---	---	0	0	0
Month	---	---	---	99	1	45	102	1	59	124	0	51

02092162 NEUSE RIVER AT NEW BERN, 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	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---