

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 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-67, 1996 to current year.

PERIOD OF DAILY RECORD.--

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

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

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

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

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

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

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, 19.9 ppt, August 8; minimum recorded, .05 ppt, March 14, May 8, 9.

SALINITY (BOTTOM): Maximum recorded, 20.3 ppt, August 7, 8; minimum recorded, .05 ppt, March 14, May 8, 9.

pH (TOP): Maximum recorded, 9.3 standard units, June 3; minimum recorded, 6.2 standard units, April 16, 17, 18, May 1.

pH (BOTTOM): Maximum recorded, 8.5 standard units, December 3; minimum recorded, 6.4 standard units, March 14.

WATER TEMPERATURE (TOP): Maximum recorded, 31.7°C, June 11; minimum recorded, 5.7°C, January 21.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 30.0°C, July 23; minimum recorded, 6.8°C, January 21.

DISSOLVED OXYGEN (TOP): Maximum recorded, 17.0 mg/L, February 4; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 11.5 mg/L, December 3, January 30; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 188%, July 24; minimum recorded, 0%, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 140%, June 3; 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 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	10.3	9.8	10.0	14.1	3.4	8.7	16.9	9.9	13.1	9.5	4.2	7.2
2	10.6	9.2	9.8	14.1	4.7	10.1	17.1	11.9	14.9	10.9	6.2	8.6
3	11.1	8.1	9.9	12.1	6.7	9.8	14.3	12.8	13.8	10.4	2.9	6.2
4	10.4	7.8	9.1	12.3	8.5	11.3	14.1	12.8	13.3	10.4	2.6	6.4
5	9.9	6.7	8.3	15.0	8.6	11.8	15.0	12.0	13.2	8.7	1.5	5.9
6	11.5	6.2	8.2	13.5	5.8	9.2	13.8	10.5	12.5	9.7	1.2	4.4
7	10.5	6.8	8.3	10.7	5.7	7.6	15.4	9.8	12.9	10.2	1.5	5.7
8	12.1	7.0	9.4	13.7	8.6	10.4	15.5	7.5	14.1	8.8	1.5	3.9
9	12.8	6.6	9.7	14.9	10.7	13.9	16.2	7.5	13.9	1.9	1.0	1.5
10	13.3	6.8	9.3	14.8	9.8	12.9	14.9	9.8	11.7	10.7	1.0	3.3
11	10.7	8.2	9.3	12.4	10	11.4	16.4	9.8	12.5	2.9	1.3	1.7
12	11.5	9.8	10.7	14.1	11.4	12.7	12.6	8.9	10.8	1.8	1.4	1.5
13	11.0	8.8	9.9	15.3	9.9	12.3	13.4	8.1	10.9	12.6	1.4	5.6
14	16.0	8.5	12.0	14.5	10.4	12.2	13.2	8.7	10.4	11.7	5.2	8.5
15	15.9	8.5	13.7	12.0	8.2	9.9	14.9	10.3	11.4	17.0	7.7	12.8
16	12.4	10.0	11.2	11.6	8.8	10.2	14.1	10.6	11.7	13.9	9.3	11.6
17	12.2	10.0	10.9	13.1	9.1	11.2	13.0	9.9	11.5	13.8	7.2	11.1
18	11.3	9.9	10.6	11.1	8.5	9.8	15.7	9.2	11.9	11.9	8.0	10.5
19	11.3	9.7	10.4	15.4	6.7	11.4	12.8	7.8	10.8	14.1	7.2	9.6
20	10.7	8.4	9.6	15.7	9.1	12.7	13.4	10.0	11.9	11.7	8.2	10.4
21	12.1	8.2	9.8	15.1	9.3	12.6	17.3	5.9	11.4	11.4	6.5	9.5
22	11.1	8.6	9.4	12.8	10.1	11.0	15.2	6.0	12.4	11.5	5.9	10.2
23	10.2	8.8	9.4	13.0	9.3	10.7	15.5	9.3	13.5	13.1	3.7	8.4
24	9.8	8.5	9.3	13.5	9.3	10.9	13.5	6.6	10.4	10.9	4.7	8.3
25	10.4	8.3	9.4	13.6	10.0	11.4	16.2	10.3	14.3	9.2	5.0	6.8
26	10.2	8.3	9.2	13.8	11.9	12.7	15.3	9.2	13.1	8.9	7.1	8.0
27	9.8	6.9	8.8	12.0	8.5	10.3	13.8	10.2	12.5	13.7	6.1	9.0
28	8.6	6.4	7.6	16.5	7.8	11.4	13.4	10.6	12.1	14.9	7.7	11.9
29	9.5	7.2	8.6	14.2	9.8	11.6	10.9	4.7	8.0	14.7	7.2	9.8
30	10.2	5.2	8.0	16.9	9.0	12.9	13.3	2.9	8.4	8.9	4.9	6.8
31	11.1	3.2	9.1	---	---	---	11.3	3.2	6.5	12.0	4.8	8.3
Month	16.0	3.2	9.6	16.9	3.4	11.2	17.3	2.9	11.9	17.0	1.0	7.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	12.4	6.7	9.3	0.73	0.35	0.47	0.11	0.09	0.09	2.9	0.51	0.93
2	9.7	5.7	8.2	0.94	0.28	0.55	1.7	0.10	0.53	0.69	0.08	0.33
3	9.8	4.6	7.8	0.73	0.17	0.41	1.6	0.16	0.66	0.42	0.07	0.12
4	9.3	3.6	7.0	0.25	0.09	0.15	0.17	0.10	0.11	0.10	0.06	0.07
5	7.0	2.1	3.5	0.94	0.09	0.24	0.12	0.09	0.11	0.23	0.06	0.10
6	4.1	1.9	2.4	0.69	0.12	0.23	0.21	0.09	0.11	1.5	0.06	0.19
7	4.5	1.7	2.4	0.36	0.08	0.14	0.30	0.14	0.21	0.24	0.09	0.15
8	11.8	1.6	3.8	---	---	---	0.60	0.20	0.46	0.14	0.05	0.07
9	11.6	2.1	5.1	0.57	0.09	0.38	2.1	0.38	1.1	0.87	0.05	0.12
10	6.5	2.0	3.6	0.22	0.07	0.12	2.6	0.43	1.3	2.1	0.10	0.48
11	6.8	3.1	4.5	0.08	0.06	0.07	0.67	0.14	0.41	2.1	0.13	0.65
12	8.3	3.5	5.8	0.23	0.06	0.10	---	---	---	1.7	0.08	0.46
13	5.2	3.2	4.3	0.19	0.07	0.12	---	---	---	2.9	1.1	1.9
14	6.8	2.0	3.9	---	---	---	---	---	---	2.9	0.34	1.2
15	5.4	1.8	3.0	---	---	---	---	---	---	1.1	0.22	0.44
16	9.7	1.0	4.0	---	---	---	---	---	---	1.4	0.19	0.36
17	9.7	2.1	6.2	---	---	---	3.0	0.35	1.0	3.9	0.30	1.9
18	---	---	---	---	---	---	1.3	0.27	0.60	2.5	0.63	1.2
19	---	---	---	0.46	0.09	0.23	0.67	0.29	0.43	3.7	0.94	2.0
20	3.4	0.09	0.39	---	---	---	0.48	0.24	0.32	4.9	0.92	2.1
21	2.2	0.09	0.54	---	---	---	3.2	0.12	0.35	4.8	0.84	2.1
22	0.23	0.10	0.15	---	---	---	0.85	0.26	0.46	6.3	0.72	3.3
23	0.38	0.14	0.21	---	---	---	3.0	0.28	0.70	7.6	1.8	4.4
24	9.6	0.25	1.8	---	---	---	2.2	0.29	0.90	6.8	1.4	3.3
25	0.81	0.31	0.49	---	---	---	0.77	0.21	0.37	8.1	2.8	4.5
26	1.1	0.39	0.67	---	---	---	0.57	0.25	0.36	5.1	2.1	3.6
27	1.9	0.53	1.1	---	---	---	0.35	0.21	0.28	3.5	1.7	2.7
28	2.4	0.49	1.8	0.21	0.07	0.10	0.25	0.12	0.19	4.5	1.4	2.6
29	0.56	0.31	0.44	1.6	0.08	0.58	0.58	0.14	0.32	5.7	1.7	2.5
30	---	---	---	3.8	0.19	1.1	2.4	0.24	0.89	4.3	1.3	1.8
31	---	---	---	2.8	0.10	0.44	---	---	---	2.4	0.96	1.6
Month	---	---	---	---	---	---	---	---	---	8.1	0.05	1.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	2.9	0.71	1.5	6.0	2.7	4.6	11.4	4.3	7.6	16.1	9.6	14.1
2	6.7	0.95	1.9	13.0	3.7	7.8	10.4	5.1	8.2	17.0	11.3	14.2
3	6.5	1.2	2.8	7.6	5.0	6.1	16.7	5.1	11.3	17.3	10.8	14.4
4	1.8	0.74	1.3	7.2	4.7	5.8	17.0	9.8	14.6	15.5	9.7	13.2
5	2.7	0.71	1.4	7.2	4.7	5.8	17.3	8.0	11.0	16.4	7.5	10.4
6	4.8	0.83	1.7	8.1	4.7	5.7	18.0	9.9	15.6	14.5	7.7	11.2
7	7.1	0.77	2.3	7.8	5.1	6.2	19.7	15.0	17.8	12.0	8.0	10.0
8	8.6	1.3	3.7	6.7	2.6	5.2	19.9	12.2	16.3	13.4	6.6	10.1
9	10.7	1.2	3.4	5.5	2.2	3.6	18.6	15.1	16.8	10.3	3.2	6.7
10	5.8	1.3	2.8	9.0	1.8	3.8	16.7	15.2	15.9	12.8	2.0	6.1
11	5.3	1.8	2.8	13.5	1.8	6.0	16.3	13.5	14.7	14.7	3.1	10.5
12	6.7	2.2	4.1	14.9	3.9	12.4	17.0	13.2	15.1	14.8	6.2	11.6
13	6.8	2.4	4.0	13.5	6.9	11.2	15.3	13.1	14.3	13.7	3.3	7.7
14	6.1	3.1	3.6	8.8	3.7	6.4	15.7	13.1	14.3	11.2	2.3	7.6
15	6.2	3.0	4.2	16.0	2.8	6.5	15.9	12.5	13.6	16.4	1.6	4.5
16	10.2	2.6	4.6	17.0	4.6	11.5	15.7	10.5	13.1	18.4	5.1	15.6
17	7.0	3.0	4.5	16.9	8.4	12.2	16.0	12.6	14.5	19.5	10.7	18.1
18	10.7	3.4	6.9	11.4	8.2	10.0	15.5	10.5	12.9	19.6	6.5	16.6
19	11.2	5.7	7.8	10.5	7.0	9.1	14.7	12.1	13.1	19.3	9.2	15.2
20	10.8	5.9	7.4	9.6	4.3	7.1	13.7	11.3	12.6	17.0	6.4	12.2
21	8.5	5.7	7.3	11.8	6.7	9.2	14.4	11.1	12.9	16.7	10.9	15.0
22	9.4	5.6	7.2	10.2	7.2	8.4	13.9	10.6	12.2	17.3	9.0	15.8
23	7.5	5.9	6.7	9.1	5.4	7.2	14.8	9.4	11.7	17.3	9.8	14.5
24	9.1	5.2	7.2	8.3	5.1	6.4	15.5	11.1	13.3	14.1	11.3	12.4
25	8.1	4.9	6.4	10.1	4.2	7.7	12.7	10.9	11.6	13.6	10.4	12.3
26	6.4	4.3	5.4	10.1	5.4	8.4	15.1	8.1	12.1	12.0	3.5	7.5
27	6.4	3.8	5.0	6.5	4.1	5.4	16.3	10.6	13.3	11.1	4.1	8.4
28	5.7	3.6	4.6	10.9	2.9	5.2	13.1	10.6	11.6	14.7	5.1	10.8
29	5.6	2.6	3.9	10.9	4.3	7.7	12.3	9.0	10.9	15.7	8.8	14.5
30	5.5	2.5	3.6	6.7	4.3	5.4	12.8	7.5	10.2	15.3	3.7	11.9
31	---	---	---	9.9	4.1	5.5	16.5	6.4	11.9	---	---	---
Month	11.2	0.71	4.3	17.0	1.8	7.2	19.9	4.3	13.1	19.6	1.6	11.8

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.7	10.1	10.9	14.5	13.5	13.9	17.3	16.7	17.2	13.5	12.0	13.0
2	11.4	10	10.7	15.5	11.3	13.9	17.2	16.0	16.9	13.2	9.6	11.5
3	11.5	10.9	11.2	12.6	10.6	11.4	16.2	13.1	14.7	13.2	8.6	10.5
4	11.9	10.7	11.4	12.8	12.0	12.4	15.1	13.5	14.6	14.1	13.2	13.8
5	12.4	11.1	11.7	16.5	12.8	15.2	15.3	13.7	15.1	14.5	13.9	14.3
6	12.6	10.6	11.7	16.6	13.8	15.6	15.5	13.1	14.6	14.9	14.3	14.6
7	12.8	10.9	11.8	16.7	15.1	16.0	15.9	15.1	15.5	16.3	14.9	15.6
8	13.5	11.3	12.8	15.9	14.9	15.3	16.1	15.7	15.9	16.7	13.4	16.0
9	13.7	12.9	13.4	15.9	15.2	15.5	16.3	15.4	16.0	16.7	15.5	16.0
10	14.1	12.5	13.5	16.0	12.9	14.6	16.2	16.0	16.1	17.2	16.7	17.0
11	13.5	10.2	12.7	15.2	12.3	14.0	16.4	13.6	16.0	17.0	3.0	11.6
12	14.4	11.7	13.1	15.7	14.5	15.3	15.8	15.1	15.6	15.9	12.0	15.0
13	15.8	13.9	15.1	15.8	15.3	15.7	16.0	12.8	15.1	15.6	14.4	15.1
14	16.3	15.8	16.1	15.9	13.9	15.4	15.3	13.7	14.8	16.2	14.6	15.3
15	16.3	13.2	15.9	14.8	9.8	12.7	15.7	15.1	15.4	17.4	15.5	16.8
16	15.4	13.5	15.1	12.9	11.0	12.0	15.3	11.1	12.9	17.3	14.0	16.3
17	15.1	13.6	14.7	14.1	11.7	13.1	13.7	11.5	12.7	16.9	13.6	16.0
18	14.7	11.6	13.6	15.1	12.3	13.8	16.3	13.7	15.4	15.1	13.0	14.4
19	12.9	10.7	12.0	16.0	15.1	15.6	16.5	16.1	16.3	14.9	13.3	14.2
20	12.6	10.7	11.6	15.9	15.6	15.8	17.3	16.5	17.0	13.7	11.4	12.4
21	13.2	12.2	12.8	15.9	14.8	15.7	17.5	16.6	17.2	11.8	11.2	11.5
22	13.7	11.9	13.0	15.8	13.5	15.2	17.3	16.0	17.0	12.3	11.0	11.9
23	13.0	9.9	12.1	15.3	12.0	13.3	16.8	12.0	15.7	13.7	11.6	12.6
24	11.1	9.6	10.1	14.4	12.8	13.6	15.8	13.1	15.3	14.5	11.6	13.5
25	11.7	9.3	10.3	15.9	13.9	15.2	16.1	15.7	15.8	15.2	13.8	14.7
26	11.8	10.5	11.2	15.7	12.8	14.8	16.2	13.1	15.1	15.0	14.3	14.8
27	11.1	9.7	10.3	15.5	12.4	13.6	13.9	13.7	13.8	14.9	14.4	14.7
28	12.5	10.0	11.4	17.6	15.5	16.6	14.1	13.0	13.9	14.9	14.5	14.7
29	12.4	9.7	11.0	17.9	17.1	17.5	13.1	10.9	12.2	14.8	10.5	14.0
30	12.8	11.1	12.2	17.9	17.1	17.5	13.3	10.5	12.8	12.6	6.8	10.2
31	13.9	12.1	13.0	---	---	---	13.5	12.3	12.9	13.9	11.4	13.0
Month	16.3	9.3	12.5	17.9	9.8	14.7	17.5	10.5	15.1	17.4	3.0	14.0

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	13.9	8.8	11.5	9.0	0.39	3.7	0.77	0.09	0.12	10.4	0.90	7.0
2	10.4	9.2	9.9	9.5	4.0	8.0	1.9	0.26	0.96	3.8	0.09	0.97
3	11.7	9.7	10.7	8.5	0.18	3.3	1.7	0.18	0.89	0.56	0.08	0.21
4	12.6	10.9	12.1	0.34	0.09	0.17	0.24	0.10	0.12	0.14	0.06	0.08
5	12.7	10.4	11.8	1.6	0.09	0.88	0.12	0.10	0.11	6.2	0.06	3.1
6	12.2	2.0	7.8	3.1	0.61	1.8	2.5	0.10	0.29	8.7	5.7	7.1
7	10.2	1.9	6.7	2.7	0.08	0.80	7.1	2.5	4.6	8.6	0.11	6.1
8	13.8	9.7	10.9	0.10	0.08	0.09	13.0	7.1	10.2	7.2	0.05	0.57
9	13.9	8.6	11.2	0.93	0.09	0.58	13.3	13.0	13.1	1.1	0.05	0.22
10	11.5	5.5	9.9	1.0	0.08	0.41	13.1	8.6	12.5	2.6	0.26	1.1
11	11.5	7.6	9.8	0.47	0.06	0.10	12.6	0.16	7.3	3.1	0.14	1.9
12	12.4	5.5	9.4	6.2	0.06	1.7	---	---	---	1.6	0.08	0.66
13	7.3	4.5	5.5	7.8	0.07	4.9	---	---	---	3.1	1.4	2.4
14	7.3	5.1	6.6	---	---	---	---	---	---	3.0	1.1	2.0
15	9.3	6.7	7.9	---	---	---	---	---	---	7.1	0.87	3.2
16	11.3	8.7	10.4	---	---	---	---	---	---	7.5	1.9	5.8
17	---	---	---	---	---	---	12.6	10.3	11.6	7.5	1.2	5.1
18	---	---	---	---	---	---	11.8	9.9	11.5	6.1	0.35	2.9
19	---	---	---	7.6	0.09	0.62	11.7	0.35	9.8	6.7	1.6	4.3
20	6.2	0.09	3.4	---	---	---	9.7	0.25	1.2	8.0	1.9	5.2
21	3.5	0.10	1.1	---	---	---	7.8	0.27	3.4	7.8	5.6	6.7
22	5.3	0.15	3.3	---	---	---	7.1	3.0	5.9	9.3	7.5	8.2
23	9.2	3.3	6.8	---	---	---	7.1	5.6	6.6	9.4	7.9	8.9
24	11.2	9.2	10.4	---	---	---	7.2	3.3	6.3	9.5	8.2	8.9
25	11.0	9.8	10.4	---	---	---	7.1	4.2	6.3	9.4	7.5	8.7
26	11.3	0.87	7.7	---	---	---	6.9	1.3	5.6	9.1	4.0	7.6
27	9.5	0.95	5.6	---	---	---	7.2	4.6	6.4	6.4	1.7	4.5
28	11.2	6.5	10.1	0.45	0.07	0.14	6.9	0.12	2.6	5.6	1.7	3.9
29	11.3	2.6	9.0	2.2	0.08	0.80	6.7	0.18	1.8	6.5	4.4	5.5
30	---	---	---	4.0	0.33	1.8	10.3	6.5	9.0	5.9	4.0	5.3
31	---	---	---	3.4	0.10	0.96	---	---	---	5.0	1.1	3.7
Month	---	---	---	---	---	---	---	---	---	10.4	0.05	4.3

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	4.1	0.83	2.6	9.3	3.3	7.0	13.5	11.4	12.4	17.0	16.3	16.7
2	7.9	3.6	5.7	13.9	8.3	11.4	15.7	13.0	14.5	17.1	16.5	16.9
3	7.7	2.2	5.7	13.5	8.6	11.9	17.9	14.1	16.3	17.3	16.8	17.1
4	4.2	0.91	2.4	12.1	5.0	9.6	18.4	16.9	17.9	17.4	16.8	17.1
5	4.2	0.82	2.5	9.1	5.0	7.8	18.2	17.1	17.6	17.3	13.3	16.7
6	5.9	4.2	4.9	8.3	5.5	6.7	19.1	18.1	18.5	16.0	8.2	11.6
7	8.0	5.3	6.6	8.5	6.4	7.8	20.3	18.8	19.5	13.0	11.2	12.1
8	10.1	6.2	8.5	10	4.2	7.3	20.3	16.1	18.6	13.7	11.2	13.0
9	11.3	9.4	10.2	8.6	5.3	7.6	19.2	17.3	18.5	13.3	11.0	12.7
10	12.2	8.5	11.0	9.8	7.1	8.4	17.6	16.5	17.2	14.1	11.3	12.9
11	13.1	10.2	11.9	14.2	8.7	10.9	17.3	15.5	16.5	15.0	13.4	14.4
12	13.0	11.5	12.5	15.9	14.2	15.2	18.0	16.9	17.6	15.5	14.7	15.1
13	12.8	9.2	12.1	15.9	11.9	15.1	17.4	15.9	16.9	15.7	14.8	15.1
14	12.2	6.8	10.4	14.3	11.7	13.3	17.0	14.9	16.0	16.3	15.2	15.8
15	12.9	8.6	10.9	16.4	14.1	15.5	16.7	14.9	16.0	17.5	15.5	16.3
16	13.0	6.8	11.5	17.4	16.1	16.7	17.0	15.2	16.2	18.8	17.4	18.0
17	11.3	6.8	10.3	17.3	16.0	16.9	17.8	16.7	17.4	19.9	18.8	19.5
18	12.1	10.4	11.4	16.7	12.1	15.3	17.7	16.3	17.3	20.1	19.7	19.9
19	12.5	11.3	11.8	13.5	9.9	11.9	17.5	14.4	16.6	20.0	17.6	19.1
20	12.6	9.9	11.8	12.3	9.7	10.9	16.9	15.2	16.3	18.7	15.9	17.3
21	11.7	9.3	10.8	12.4	10.9	11.7	16.9	16.1	16.5	18.0	16.5	17.0
22	10.6	8.5	9.7	12.9	11.1	12.1	16.3	14.7	15.6	17.5	16.7	17.1
23	9.5	6.5	8.6	12.3	7.0	9.7	16.3	15.2	15.9	17.6	16.3	17.1
24	9.6	7.6	8.5	9.0	5.1	8.3	16.1	14.3	15.4	17.0	11.7	14.1
25	10.4	6.7	9.2	11.8	8.5	10.4	14.9	12.5	14.0	14.1	6.8	13.0
26	8.8	5.5	7.8	12.4	9.3	11.9	16.5	13.7	14.8	14.1	10.3	13.5
27	7.8	5.6	7.1	12.0	6.7	10.5	17.3	16.5	17.0	13.5	12.8	13.2
28	7.9	4.2	6.7	12.2	8.7	10.6	17.0	13.3	15.7	15.3	13.0	14.0
29	6.7	2.9	5.4	12.9	9.3	12.2	16.1	11.6	14.3	15.7	14.5	15.6
30	5.9	2.6	4.6	12.2	8.9	11.6	17.1	12.2	15.2	15.7	9.7	15.4
31	---	---	---	13.3	10.6	12.1	16.9	14.3	16.6	---	---	---
Month	13.1	0.82	8.4	17.4	3.3	11.2	20.3	11.4	16.4	20.1	6.8	15.6

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.1	7.7	7.9	6.7	6.6	6.6	7.0	6.8	7.0	6.9	6.2	6.6
2	8.1	7.6	7.8	6.7	6.6	6.7	7.3	7.0	7.1	6.9	6.7	6.8
3	8.2	7.5	7.8	6.7	6.6	6.7	7.4	7.2	7.3	6.9	6.7	6.8
4	8.8	7.5	8.0	7.0	6.6	6.8	7.2	6.9	7.0	6.9	6.7	6.8
5	8.2	7.3	7.7	7.1	6.9	7.0	7.1	7.0	7.0	7.0	6.7	6.8
6	7.8	7.4	7.5	7.0	6.9	6.9	7.1	7.0	7.0	6.8	6.5	6.7
7	8.0	7.4	7.6	7.0	6.8	6.8	7.2	7.0	7.0	6.6	6.4	6.5
8	8.3	7.4	7.5	---	---	---	7.1	6.7	6.9	6.7	6.5	6.6
9	8.0	7.2	7.4	7.3	7.1	7.2	7.0	6.5	6.7	7.0	6.6	6.7
10	8.1	7.3	7.4	7.1	6.8	6.8	6.6	6.4	6.6	7.0	6.8	7.0
11	7.7	7.3	7.4	6.9	6.7	6.7	6.6	6.4	6.6	7.1	6.9	7.0
12	7.8	7.4	7.4	6.8	6.7	6.8	---	---	---	7.3	6.8	6.9
13	7.5	7.4	7.4	6.8	6.4	6.5	---	---	---	7.6	7.2	7.3
14	7.5	7.1	7.4	---	---	---	---	---	---	7.4	7.0	7.2
15	7.3	7.0	7.1	---	---	---	---	---	---	7.0	6.9	6.9
16	7.4	6.8	7.0	---	---	---	---	---	---	7.1	6.8	6.9
17	7.2	7.0	7.1	---	---	---	6.4	6.2	6.3	7.2	6.9	7.1
18	---	---	---	---	---	---	6.4	6.2	6.3	7.3	6.9	7.1
19	---	---	---	6.7	6.4	6.5	6.5	6.3	6.4	7.5	7.0	7.2
20	7.0	6.6	6.8	---	---	---	6.7	6.5	6.6	7.3	7.0	7.1
21	7.0	6.6	6.8	---	---	---	6.8	6.5	6.6	7.4	6.9	7.2
22	6.7	6.5	6.6	---	---	---	6.9	6.6	6.7	7.3	6.7	7.1
23	6.6	6.4	6.5	---	---	---	6.9	6.5	6.6	7.5	6.8	7.1
24	7.1	6.4	6.5	---	---	---	6.8	6.4	6.5	7.2	6.8	7.0
25	6.5	6.4	6.4	---	---	---	6.7	6.5	6.6	7.4	6.8	7.0
26	6.6	6.4	6.5	---	---	---	6.7	6.6	6.6	7.5	7.1	7.3
27	6.8	6.5	6.7	---	---	---	6.8	6.6	6.7	8.8	7.1	7.9
28	6.9	6.6	6.9	7.2	7.0	7.0	6.8	6.6	6.7	8.2	7.3	7.7
29	6.6	6.5	6.6	7.3	7.1	7.2	6.8	6.5	6.7	8.2	7.2	7.5
30	---	---	---	7.5	7.3	7.3	6.7	6.3	6.6	8.9	7.4	7.8
31	---	---	---	7.4	7.0	7.1	---	---	---	9.2	7.6	8.0
Max	---	---	---	---	---	---	---	---	---	9.2	7.6	8.0
Min	---	---	---	---	---	---	---	---	---	6.6	6.2	6.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.7	7.4	7.8	8.5	7.5	7.8	8.2	7.0	7.4	8.0	6.9	7.1
2	8.2	7.2	7.7	8.4	7.4	7.7	8.2	7.1	7.3	7.5	6.7	7.0
3	9.3	7.2	8.4	8.6	7.4	7.8	8.1	6.9	7.2	7.5	6.6	6.9
4	9.1	7.7	8.1	8.4	7.9	8.3	7.6	7.0	7.3	8.0	6.5	6.9
5	8.9	7.5	7.8	8.4	7.7	8.0	8.0	7.1	7.3	8.2	7.1	7.7
6	8.8	6.9	7.8	8.4	7.7	7.9	7.4	6.9	7.1	7.8	6.8	7.2
7	9.1	6.9	8.2	8.6	7.5	7.9	7.1	6.9	7.0	7.0	6.7	6.9
8	8.4	7.1	7.4	8.6	7.6	7.8	7.8	6.9	7.2	7.3	6.7	6.8
9	8.5	7.0	7.7	8.0	7.5	7.6	7.9	6.8	7.4	6.9	6.5	6.7
10	8.9	7.5	8.1	8.4	7.2	7.7	7.7	7.3	7.5	7.2	6.5	6.8
11	8.8	7.2	8.2	8.0	7.2	7.4	7.7	7.1	7.3	7.2	6.6	7.0
12	8.3	7.1	7.8	7.5	7.2	7.4	7.6	7.1	7.2	7.2	7.0	7.1
13	8.2	7.1	7.8	8.5	7.4	7.6	7.6	7.2	7.5	7.2	6.8	7.0
14	8.0	7.2	7.8	8.3	7.3	8.0	7.6	7.0	7.3	7.1	6.7	6.9
15	7.7	6.8	7.3	7.8	7.1	7.2	8.1	7.0	7.2	7.2	6.6	6.7
16	7.3	6.5	6.8	7.3	7.0	7.2	7.9	7.1	7.6	7.3	6.8	7.0
17	7.3	6.5	6.9	7.7	7.0	7.3	7.6	7.1	7.2	7.1	6.8	7.0
18	7.0	6.5	6.7	8.2	7.5	7.8	7.7	7.2	7.4	7.1	6.7	6.9
19	7.0	6.4	6.6	8.3	7.6	7.9	8.0	7.3	7.6	7.1	6.7	6.9
20	8.1	6.6	7.3	8.5	7.6	8.2	8.1	7.3	7.6	7.0	6.6	6.8
21	7.3	6.8	7.1	8.6	7.4	7.7	8.1	7.5	7.9	7.1	6.7	6.9
22	7.6	6.8	7.2	8.5	7.3	7.6	8.1	7.3	7.8	7.1	6.7	7.0
23	8.2	7.0	7.4	8.9	7.5	8.2	7.9	7.3	7.6	7.2	6.9	7.1
24	7.9	6.9	7.2	9.0	7.4	7.9	8.0	7.3	7.5	7.2	7.0	7.1
25	7.7	7.0	7.3	7.9	7.3	7.5	7.8	7.3	7.5	7.3	7.0	7.1
26	8.3	7.3	7.8	8.5	7.4	7.6	8.0	7.3	7.5	7.1	6.5	6.7
27	8.2	7.2	7.7	8.9	7.6	7.9	8.2	7.6	8.0	6.8	6.5	6.7
28	8.0	7.4	7.6	8.7	7.5	7.6	8.2	7.1	8.0	6.9	6.6	6.8
29	8.1	7.3	7.6	8.5	6.9	7.8	8.1	7.3	7.6	7.1	6.8	7.0
30	8.1	7.3	7.5	8.4	7.1	7.9	8.2	7.2	7.9	7.0	6.6	6.8
31	---	---	---	8.6	7.0	8.0	8.0	7.0	7.3	---	---	---
Max	9.3	7.7	8.4	9.0	7.9	8.3	8.2	7.6	8.0	8.2	7.1	7.7
Min	7.0	6.4	6.6	7.3	6.9	7.2	7.1	6.8	7.0	6.8	6.5	6.7

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.8	7.4	7.7	7.3	6.9	7.0	7.2	6.8	7.0	6.8	6.5	6.8
2	7.7	7.5	7.6	7.2	7.0	7.1	7.3	7.1	7.2	6.9	6.5	6.7
3	7.6	7.4	7.4	7.1	7.0	7.1	7.4	7.2	7.3	6.9	6.7	6.8
4	7.4	7.2	7.3	7.3	7.0	7.1	7.2	6.9	7.0	6.8	6.6	6.7
5	7.3	7.1	7.2	7.5	7.1	7.3	7.1	7.0	7.0	6.8	6.5	6.6
6	7.6	7.1	7.2	7.7	7.2	7.3	7.1	6.9	7.0	6.6	6.5	6.6
7	7.5	7.1	7.3	7.3	7.1	7.2	7.1	7.0	7.1	6.7	6.5	6.6
8	7.4	7.1	7.2	7.3	7.1	7.2	7.0	6.8	6.9	6.7	6.5	6.6
9	7.4	7.1	7.2	7.4	7.2	7.4	7.0	6.8	6.9	7.0	6.6	6.7
10	7.5	7.0	7.1	7.6	7.0	7.1	6.9	6.7	6.8	7.0	6.9	6.9
11	7.5	7.2	7.3	7.0	6.8	6.9	6.8	6.5	6.6	7.1	6.7	6.9
12	7.7	7.2	7.3	7.2	6.8	6.9	---	---	---	7.3	6.8	6.9
13	7.5	7.4	7.4	7.5	6.7	6.9	---	---	---	7.6	7.1	7.2
14	7.6	7.4	7.4	---	---	---	---	---	---	7.4	7.1	7.2
15	7.6	7.3	7.4	---	---	---	---	---	---	7.1	6.9	7.0
16	7.5	7.2	7.3	---	---	---	---	---	---	6.9	6.6	6.8
17	---	---	---	---	---	---	6.9	6.7	6.8	7.1	6.8	6.9
18	---	---	---	---	---	---	6.8	6.7	6.7	7.2	6.7	6.9
19	---	---	---	6.8	6.6	6.6	6.9	6.6	6.7	7.2	6.8	7.0
20	7.6	6.9	7.3	---	---	---	7.1	6.6	6.9	7.2	6.7	6.8
21	7.4	7.0	7.2	---	---	---	7.0	6.7	6.9	7.0	6.6	6.7
22	7.4	7.0	7.2	---	---	---	7.0	6.8	6.9	6.8	6.6	6.7
23	7.5	7.2	7.3	---	---	---	7.0	6.8	7.0	6.8	6.6	6.7
24	7.6	7.4	7.5	---	---	---	7.0	6.8	6.9	6.8	6.7	6.7
25	7.6	7.3	7.4	---	---	---	7.0	6.7	6.8	6.8	6.7	6.7
26	7.5	6.8	7.2	---	---	---	6.9	6.7	6.8	7.0	6.7	6.7
27	7.1	6.7	7.1	---	---	---	6.9	6.7	6.8	7.7	6.7	6.9
28	7.2	7.1	7.1	7.2	7.0	7.1	7.0	6.7	7.0	7.8	6.9	7.1
29	7.4	7.0	7.1	7.4	7.1	7.3	7.2	6.8	7.0	7.3	6.9	7.1
30	---	---	---	7.6	7.2	7.4	6.9	6.7	6.8	7.0	6.8	6.9
31	---	---	---	7.5	7.0	7.2	---	---	---	7.9	6.8	6.8
Max	---	---	---	---	---	---	---	---	---	7.9	7.1	7.2
Min	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.4	6.9	7.2	7.4	7.0	7.1	7.4	7.0	7.2	7.7	7.5	7.6
2	7.1	6.8	6.9	7.2	7.0	7.1	7.3	7.2	7.2	7.6	7.5	7.6
3	8.2	6.9	7.0	7.0	6.8	7.0	7.3	7.1	7.2	7.6	7.5	7.6
4	8.2	6.9	7.4	8.0	6.8	7.0	7.3	7.1	7.2	7.6	7.2	7.3
5	7.7	6.9	7.2	7.9	7.0	7.2	7.2	7.1	7.1	7.3	7.0	7.2
6	7.0	6.8	6.8	8.0	7.2	7.4	7.2	7.0	7.1	7.6	6.8	7.2
7	7.0	6.8	6.9	7.9	7.0	7.3	7.3	7.1	7.2	7.1	6.8	6.9
8	7.1	6.9	7.0	7.8	7.0	7.1	7.5	7.0	7.3	6.9	6.8	6.8
9	7.1	7.0	7.0	7.3	7.1	7.1	7.4	7.2	7.3	6.9	6.8	6.9
10	7.2	6.9	7.1	7.2	7.1	7.1	7.3	7.1	7.2	7.0	6.8	6.9
11	7.3	6.9	7.1	7.3	7.1	7.1	7.3	7.1	7.2	7.2	6.9	7.1
12	7.2	6.9	7.0	7.4	7.2	7.3	7.3	7.1	7.2	7.2	7.1	7.2
13	7.2	6.9	7.0	7.4	7.2	7.3	7.3	7.1	7.1	7.3	7.1	7.2
14	7.1	6.8	6.9	7.3	6.8	7.1	7.4	7.1	7.2	7.3	7.2	7.3
15	7.0	6.8	6.9	7.0	6.9	7.0	7.2	6.8	7.1	7.3	7.3	7.3
16	7.1	6.8	6.9	7.1	7.0	7.1	7.2	6.9	7.0	7.4	7.2	7.2
17	7.0	6.8	6.8	7.1	7.0	7.1	7.2	7.0	7.1	7.3	7.2	7.3
18	7.1	6.9	7.0	7.2	6.9	7.1	7.2	7.0	7.1	7.3	7.2	7.2
19	7.1	6.9	7.0	7.5	6.9	7.0	7.3	6.7	7.1	7.3	7.1	7.2
20	7.0	6.8	6.9	7.6	7.1	7.3	7.4	7.0	7.2	7.2	7.0	7.1
21	6.9	6.8	6.9	7.5	7.0	7.1	7.3	7.0	7.2	7.2	7.0	7.2
22	6.9	6.8	6.8	7.2	7.0	7.1	7.4	6.9	7.1	7.3	7.1	7.2
23	7.5	6.7	6.8	8.2	7.0	7.2	7.3	7.0	7.1	7.4	7.2	7.3
24	7.0	6.6	6.8	8.0	7.2	7.4	7.2	7.0	7.1	7.4	7.2	7.3
25	6.8	6.6	6.7	7.3	7.1	7.3	7.2	6.9	7.0	7.5	7.2	7.4
26	7.5	6.5	6.7	7.4	7.1	7.3	7.3	7.0	7.1	7.5	7.0	7.2
27	7.1	6.7	6.9	7.4	7.2	7.3	7.4	7.2	7.3	7.1	6.9	7.0
28	7.3	6.6	6.8	7.6	7.2	7.3	7.4	7.0	7.2	7.1	6.9	7.0
29	7.7	6.6	7.0	7.6	7.0	7.4	7.4	7.1	7.2	7.3	7.1	7.2
30	7.4	6.9	7.1	7.3	7.0	7.2	7.7	7.1	7.4	7.2	7.0	7.1
31	---	---	---	7.3	7.0	7.2	7.6	7.3	7.5	---	---	---
Max	8.2	7.0	7.4	8.2	7.2	7.4	7.7	7.3	7.5	7.7	7.5	7.6
Min	6.8	6.5	6.7	7.0	6.8	7.0	7.2	6.7	7.0	6.9	6.8	6.8

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	24.2	23.2	23.8	21.3	19.4	20.6	13.5	11.4	12.8	12.6	11.6	12.3
2	24.7	23.4	24.0	20.2	18.0	18.7	13.7	11.1	12.7	11.9	9.2	10.4
3	25.1	23.8	24.3	18.2	17.4	17.9	14.1	12.8	13.5	9.6	6.6	7.5
4	25.6	24.6	25.1	18.2	17.7	17.9	12.9	10.3	11.5	8.1	6.3	7.3
5	26.2	25.1	25.4	18.0	17.3	17.7	11.5	9.2	10.5	8.1	7.4	7.9
6	25.7	24.7	25.2	18.0	15.7	17.0	10.3	8.6	9.7	8.3	7.2	7.7
7	26.2	25.1	25.4	15.7	14.1	14.9	10.1	8.1	9.0	9.1	7.5	8.1
8	26.1	25.3	25.7	15.6	13.5	14.7	11.7	9.0	9.7	10.3	8.0	8.9
9	26.3	25.5	25.9	16.1	14.3	15.2	11.7	9.8	10.4	11.6	9.8	10.6
10	26.2	25.3	25.7	16.2	13.9	14.9	14.3	11.0	12.1	11.4	10.1	10.6
11	25.9	24.0	25.1	13.9	12.8	13.3	13.8	10.3	12.4	12.8	10.2	12.1
12	24.0	22.4	23.2	14.4	13.5	13.8	15.4	13.0	14.2	13.2	12.3	12.7
13	23.4	21.2	22.1	14.6	13.6	14.1	15.3	13.5	14.5	12.3	11.2	11.8
14	22.9	21.1	22.2	15.6	14.2	14.7	15.3	13.9	14.9	12.1	10.4	11.5
15	22.9	21.9	22.5	16.1	14.2	15.3	14.7	12.9	13.7	11.3	10.0	10.8
16	22.3	21.0	21.6	14.2	12.1	13.3	14.5	12.6	13.8	10.4	8.3	9.0
17	22.7	21.5	22.0	13.8	11.7	13.0	12.7	10.0	11.6	9.5	7.8	8.7
18	23.9	22.5	23.2	13.4	12.4	13.1	11.9	9.1	10.6	9.6	8.8	9.2
19	25.0	23.6	24.2	14.8	13.0	13.4	11.5	7.8	10.1	9.4	8.6	9.0
20	25.0	23.6	24.4	15.0	13.1	13.9	11.3	9.5	10.5	8.7	6.9	8.0
21	24.2	22.4	23.4	15.9	13.7	14.6	11.7	9.7	10.6	7.2	5.7	6.6
22	23.9	22.6	23.3	16.1	14.7	15.6	11.9	9.9	11.0	8.7	6.2	7.4
23	24.3	22.8	23.7	15.9	13.9	14.9	12.9	11.6	12.0	8.8	7.4	8.0
24	24.9	24.2	24.5	14.2	12.0	13.0	12.7	11.6	12.3	8.5	7.0	8.0
25	24.9	24.4	24.6	13.4	12.4	12.9	12.3	11.4	11.8	7.3	6.0	6.5
26	24.6	24.2	24.5	14.4	13.0	13.5	11.7	10.7	11.1	7.2	6.7	6.9
27	24.5	23.8	24.1	15.7	14.1	14.9	11.0	10.1	10.5	7.8	6.2	7.1
28	23.9	21.0	22.3	14.7	12.9	13.8	11.4	10.5	10.8	8.3	7.2	7.6
29	21.0	19.4	20.2	14.2	12.9	13.5	14.0	11.4	12.7	9.4	7.5	8.3
30	20.5	19.0	19.7	13.7	12.3	13.1	13.4	11.8	13.0	10.2	8.3	9.1
31	21.5	18.4	20.2	---	---	---	13.1	11.7	12.4	9.6	7.9	8.8
Month	26.3	18.4	23.6	21.3	11.7	14.9	15.4	7.8	11.8	13.2	5.7	9.0

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	10.8	8.5	9.8	11.0	9.2	10.1	16.7	14.9	15.7	21.5	19.3	20.4
2	10.6	9.3	10.1	11.9	10.0	10.9	16.5	16.0	16.3	21.8	19.8	20.8
3	10.8	10.3	10.5	12.0	10.3	11.3	16.0	15.1	15.3	22.2	20.2	21.3
4	11.9	10.6	11.0	14.0	11.6	12.7	16.8	15.1	15.8	22.4	20.9	21.6
5	14.1	11.3	12.6	16.0	14.0	14.7	17.5	16.8	17.2	23.4	21.5	22.3
6	15.4	12.9	14.1	15.7	14.3	14.8	17.4	17.1	17.2	24.2	21.8	22.7
7	15.8	14.0	15.0	15.3	14.2	14.7	17.1	15.6	16.2	22.8	21.3	21.9
8	15.2	13.8	14.5	---	---	---	16.0	15.3	15.6	22.2	21.3	21.8
9	14.4	13.5	14.0	14.6	13.5	14.0	16.0	14.8	15.4	23.3	21.7	22.4
10	14.2	12.4	13.4	15.1	13.3	14.0	18.4	15.2	16.0	24.2	22.5	23.2
11	12.6	11.0	11.8	15.4	13.4	14.1	19.3	16.5	17.8	23.1	22.1	22.3
12	12.5	10.3	11.8	14.8	13.3	14.2	---	---	---	22.1	20.2	21.2
13	14.2	12.4	13.3	15.2	13.6	14.5	---	---	---	20.2	18.8	19.5
14	13.7	12.3	13.0	---	---	---	---	---	---	20.1	18.7	19.2
15	13.3	11.9	12.8	---	---	---	---	---	---	20.7	19.2	19.8
16	13.4	11.7	12.5	---	---	---	---	---	---	22.0	19.8	21.0
17	13.5	11.9	12.8	---	---	---	17.9	15.5	16.6	21.9	20.2	21.0
18	---	---	---	---	---	---	18.0	15.8	16.8	22.3	20.3	21.4
19	---	---	---	16.0	13.7	14.6	19.0	17.1	18.0	23.0	20.9	21.8
20	13.3	11.3	12.3	---	---	---	19.9	18.5	19.0	23.6	21.6	22.5
21	12.5	10.9	11.6	---	---	---	19.9	18.7	19.3	23.7	21.8	22.6
22	11.0	10.5	10.8	---	---	---	19.8	18.9	19.3	24.1	21.8	23.1
23	11.2	10.3	10.8	---	---	---	20.3	19.0	19.6	23.7	22.2	22.9
24	11.5	9.9	10.7	---	---	---	20.8	19.2	19.8	23.4	22.1	22.7
25	11.8	9.6	10.7	---	---	---	22.1	20.5	21.1	24.5	22.0	22.8
26	11.7	10.3	11.1	---	---	---	22.4	20.6	21.2	24.4	22.6	23.4
27	11.6	10.2	11.1	---	---	---	22.9	21.1	21.7	25.5	23.2	24.1
28	10.5	8.5	9.5	17.3	15.0	16.1	22.8	21.6	21.9	24.8	22.3	23.5
29	10.0	8.3	9.4	16.9	15.2	16.0	21.7	20.7	21.3	23.6	21.6	22.3
30	---	---	---	15.2	13.8	14.4	21.2	19.2	20.3	25.4	22.6	23.6
31	---	---	---	14.9	13.5	14.1	---	---	---	26.1	24.1	24.8
Month	---	---	---	---	---	---	---	---	---	26.1	18.7	22.1

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	26.4	24.8	25.3	29.0	27.8	28.4	30.6	29.1	29.8	29.7	28.2	28.5
2	26.7	24.3	25.5	28.6	27.6	28.1	31.4	30.0	30.4	29.9	28.0	28.6
3	26.4	24.3	25.4	29.0	27.7	28.3	30.9	29.0	30.0	28.7	28.1	28.4
4	27.0	25.3	26.1	29.2	28.0	28.5	30.9	29.0	29.8	29.1	28.4	28.7
5	28.8	26.2	26.9	28.8	28.2	28.5	31.4	29.0	30.2	28.6	27.7	28.1
6	29.3	26.4	27.5	28.7	27.4	28.1	30.9	29.2	29.9	27.9	26.9	27.3
7	31.1	26.8	28.9	28.9	28.1	28.4	30.7	29.2	29.8	27.4	27.0	27.3
8	29.7	26.7	28.5	28.6	27.1	27.9	30.3	29.0	29.5	28.6	27.2	27.7
9	30.5	26.2	28.9	28.1	26.7	27.3	29.6	28.8	29.2	28.4	27.8	28.1
10	30.6	29.1	30.0	28.7	26.5	27.6	29.3	28.1	28.7	28.2	27.2	27.8
11	31.7	29.2	30.2	28.5	27.4	28.1	29.7	27.6	28.7	27.8	26.9	27.5
12	30.6	28.8	29.5	28.0	27.1	27.6	29.0	27.3	28.2	28.1	27.5	27.8
13	30.2	28.5	29.2	29.4	27.9	28.5	28.5	25.9	27.1	28.7	27.2	28.0
14	30.5	28.4	29.1	30.3	28.9	29.5	27.0	25.6	26.3	28.7	27.5	27.9
15	29.6	28.4	28.9	29.8	28.0	28.9	28.3	26.5	27.2	28.6	26.6	27.5
16	29.3	27.6	28.6	29.2	27.6	28.3	27.8	27.2	27.5	28.0	27.2	27.6
17	29.9	27.9	28.8	29.4	27.6	28.4	28.1	27.4	27.6	27.5	26.2	27.2
18	29.2	26.9	28.0	29.6	27.8	28.8	28.2	27.0	27.5	27.3	25.0	26.6
19	28.7	26.8	27.8	29.6	28.2	28.9	28.8	27.8	28.2	27.1	24.6	26.0
20	28.1	26.5	27.5	29.6	28.5	29.1	29.1	28.3	28.6	26.0	23.6	24.5
21	27.6	26.3	27.0	31.2	28.8	29.4	29.1	28.1	28.5	25.4	24.0	24.6
22	28.0	26.2	27.0	30.8	29.5	30.1	28.4	26.8	27.6	24.6	23.3	24.2
23	27.6	26.7	27.1	30.8	29.4	30.2	28.4	26.5	27.4	24.1	22.9	23.6
24	27.4	26.2	26.8	30.1	28.2	29.3	28.6	27.3	28.1	22.9	21.1	21.9
25	28.4	27.0	27.5	29.6	28.2	29.0	28.6	27.9	28.2	21.2	20.5	20.8
26	29.6	27.7	28.5	29.5	28.9	29.1	29.4	28.0	28.4	21.5	21.0	21.2
27	29.9	28.2	28.9	30.2	28.8	29.5	28.3	27.6	27.9	21.6	21.2	21.5
28	30.2	28.3	29.2	31.2	28.8	29.7	28.1	27.0	27.5	21.9	21.5	21.7
29	30.2	28.8	29.3	30.8	29.2	29.9	28.9	27.5	28.0	22.6	21.6	22.1
30	29.1	28.2	28.6	30.8	29.8	30.1	29.4	28.4	28.7	23.2	22.1	22.4
31	---	---	---	31.0	29.8	30.2	29.7	28.1	28.8	---	---	---
Month	31.7	24.3	28.0	31.2	26.5	28.8	31.4	25.6	28.5	29.9	20.5	25.8

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	24.8	23.7	24.2	21.1	20.1	20.9	14.1	13.6	13.9	12.5	12.0	12.2
2	24.6	23.4	23.9	20.1	18.2	19.2	14.0	13.5	13.9	12.5	9.6	11.5
3	24.4	24.2	24.3	18.2	17.6	17.9	14.2	13.0	13.7	9.6	7.6	8.4
4	24.6	24.3	24.4	18.0	17.7	17.9	13.0	11.6	12.3	8.7	8.1	8.5
5	24.7	24.4	24.5	17.9	17.7	17.8	12.4	11.6	12.1	8.8	8.5	8.7
6	25.0	24.5	24.7	18.1	17.8	17.9	12.1	10.0	10.5	8.7	8.0	8.3
7	24.9	24.6	24.8	18.0	17.3	17.7	10.5	10.2	10.3	8.7	8.1	8.5
8	24.9	24.7	24.8	17.5	16.2	17.0	10.5	9.9	10.2	8.9	8.4	8.7
9	25.3	24.8	25.0	16.3	15.5	15.9	10.7	9.8	10.2	9.2	8.8	9.0
10	25.5	25.1	25.3	15.8	14.1	15.0	10.7	10.2	10.5	9.3	8.9	9.1
11	25.5	25.0	25.3	14.2	12.9	13.6	12.3	10.2	10.7	12.0	9.3	10.3
12	25.2	23.2	24.1	14.3	13.7	14.0	11.6	10.9	11.2	11.6	9.8	10
13	24.1	22.9	23.4	14.2	13.9	14.1	13.9	11.2	12.0	10.8	10.0	10.4
14	23.1	22.9	23.0	14.7	13.9	14.3	13.4	12.3	12.7	11.2	10.6	10.8
15	23.1	22.8	23.0	15.4	14.2	14.9	13.1	12.4	12.7	11.4	11.1	11.3
16	23.0	22.8	23.0	14.4	13.3	13.7	14.6	12.8	13.7	11.2	9.6	10.6
17	23.0	22.7	22.9	13.9	13.1	13.4	13.4	11.7	12.3	10.8	9.4	10.4
18	23.5	22.7	23.0	13.9	13.4	13.7	12.2	11.6	11.8	9.9	9.3	9.7
19	24.7	23.1	23.6	13.7	13.1	13.5	12.2	11.8	12.0	9.9	9.0	9.4
20	24.5	24.0	24.2	13.7	13.1	13.5	12.1	11.6	11.8	9.2	7.4	8.5
21	24.2	24.0	24.0	14.1	13.6	13.7	11.8	10.8	11.3	7.7	6.8	7.3
22	24.1	24.0	24.0	15.1	13.8	14.3	11.2	10.8	11.0	7.7	7.0	7.4
23	24.2	24.0	24.1	15.3	14.3	14.7	12.1	11.2	11.5	7.7	7.2	7.5
24	24.9	24.2	24.5	14.4	13.0	13.8	12.1	11.4	11.8	7.9	7.2	7.5
25	24.8	24.4	24.7	13.6	13.2	13.4	11.6	11.2	11.3	7.8	7.4	7.7
26	24.7	24.6	24.6	13.8	13.4	13.6	11.5	10.8	11.3	8.0	7.7	7.9
27	24.6	24.1	24.2	14.4	13.8	14.0	11.0	10.7	10.8	8.0	7.4	7.7
28	24.1	22.6	23.3	13.8	13.5	13.7	11.0	10.8	10.9	7.8	7.5	7.7
29	22.8	20.3	21.4	14.1	13.7	14.0	11.8	11.0	11.4	8.3	7.6	7.9
30	21.3	21.0	21.2	14.1	13.8	14.0	12.5	11.3	11.6	9.6	8.2	8.8
31	21.1	20.9	21.0	---	---	---	12.1	11.8	12.0	9.2	8.8	9.0
Month	25.5	20.3	23.8	21.1	12.9	15.2	14.6	9.8	11.7	12.5	6.8	9.1

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	10.8	9.1	9.8	11.3	9.4	10.5	16.7	14.9	15.7	21.0	19.3	19.8
2	10.6	10.0	10.3	11.4	11.1	11.3	16.6	16.1	16.4	21.6	20.1	20.7
3	10.4	10.2	10.3	12.4	11.0	11.6	16.1	15.1	15.4	22.1	20.1	21.1
4	10.5	10.3	10.4	14.1	11.7	12.8	16.8	15.1	15.8	21.9	20.8	21.3
5	10.8	10.4	10.6	15.1	13.9	14.6	17.4	16.8	17.1	21.8	20.6	21.1
6	15.0	10.6	12.3	15.4	14.4	14.8	17.4	16.6	17.2	21.0	20.4	20.5
7	15.3	13.0	14.2	15.5	14.4	14.9	16.8	16.0	16.2	22.3	20.3	20.9
8	13.9	13.0	13.4	16.2	14.0	15.5	16.1	15.3	15.7	22.1	21.0	21.6
9	13.9	13.6	13.8	14.7	13.7	14.2	15.3	15.2	15.2	23.3	21.6	22.3
10	14.1	13.6	13.8	14.9	13.3	14.2	15.5	15.3	15.3	23.8	22.5	23.0
11	13.8	12.5	13.0	14.6	13.5	13.8	19.0	15.4	16.6	22.9	22.0	22.5
12	13.0	12.1	12.6	14.6	13.4	14.1	---	---	---	22.1	20.2	21.3
13	13.7	12.3	13.0	15.4	14.1	14.5	---	---	---	20.2	19.1	19.5
14	13.7	12.8	13.1	---	---	---	---	---	---	19.5	18.9	19.1
15	13.1	12.8	12.9	---	---	---	---	---	---	19.2	18.9	19.1
16	12.9	12.8	12.9	---	---	---	---	---	---	20.3	19.1	19.5
17	---	---	---	---	---	---	16.6	16.4	16.5	21.1	19.5	20.2
18	---	---	---	---	---	---	16.6	16.4	16.5	21.9	20.2	20.9
19	---	---	---	16.1	14.0	14.8	18.9	16.5	16.9	21.9	20.8	21.1
20	14.0	12.7	13.6	---	---	---	19.8	17.1	18.8	22.8	20.7	21.4
21	12.8	11.1	11.9	---	---	---	19.4	17.7	18.7	22.0	21.2	21.7
22	12.6	10.6	11.9	---	---	---	19.0	18.0	18.5	22.0	21.4	21.7
23	12.7	11.9	12.5	---	---	---	18.7	18.3	18.4	22.2	21.9	22.0
24	11.9	11.5	11.7	---	---	---	19.3	18.2	18.6	22.2	21.9	22.0
25	11.9	11.8	11.8	---	---	---	19.3	18.4	18.6	22.3	22.0	22.1
26	11.9	11.1	11.7	---	---	---	21.0	18.5	19.0	23.6	22.0	22.4
27	11.9	11.5	11.7	---	---	---	19.8	18.5	19.0	24.6	22.7	23.4
28	11.8	10.9	11.6	17.3	14.9	16.0	22.1	19.1	20.9	24.6	22.5	23.6
29	11.7	10.3	11.3	17.0	15.4	16.1	21.8	20.0	21.1	23.0	22.3	22.7
30	---	---	---	15.4	14.0	14.7	20.2	19.4	19.7	23.4	22.5	22.7
31	---	---	---	15.0	13.6	14.2	---	---	---	25.6	22.8	23.7
Month	---	---	---	---	---	---	---	---	---	25.6	18.9	21.4

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.5	24.1	24.7	29.0	28.0	28.3	29.5	29.1	29.3	28.3	28.1	28.2
2	24.7	24.0	24.2	28.1	27.6	27.8	29.4	29.1	29.2	28.5	28.2	28.3
3	26.3	24.0	24.6	28.2	27.6	27.8	29.5	28.8	29.1	28.6	28.3	28.5
4	26.7	24.8	25.5	28.9	27.8	28.1	29.2	28.8	28.9	28.6	28.4	28.5
5	26.8	25.8	26.2	28.8	28.1	28.4	29.1	28.9	29.0	28.5	28.3	28.4
6	26.2	25.8	25.9	28.6	27.5	28.0	29.3	28.8	29.0	28.3	26.7	27.2
7	26.1	25.7	25.8	28.5	28.1	28.3	29.2	29.1	29.1	27.2	27.1	27.2
8	26.4	25.8	26.0	28.3	27.3	27.9	29.4	29.1	29.3	27.5	27.1	27.2
9	26.2	25.9	26.0	27.8	27.3	27.5	29.4	29.1	29.3	27.6	27.2	27.3
10	27.0	25.7	26.0	27.6	27.3	27.4	29.1	28.6	28.8	27.6	27.3	27.4
11	26.5	25.7	25.9	27.6	27.3	27.4	28.9	28.1	28.4	27.6	27.4	27.5
12	26.3	25.7	25.9	27.6	27.4	27.5	28.6	28.3	28.4	27.7	27.6	27.7
13	27.7	25.8	26.3	28.6	27.5	27.7	28.6	27.9	28.3	27.7	27.6	27.6
14	28.7	26.2	26.9	28.4	27.8	28.1	28.1	26.8	27.3	27.6	27.5	27.6
15	27.7	26.4	26.9	27.9	27.6	27.7	27.4	26.9	27.1	27.6	27.4	27.5
16	28.4	26.5	27.0	27.8	27.6	27.7	27.3	27.1	27.2	27.6	27.5	27.6
17	28.2	27.2	27.5	28.2	27.7	27.9	27.3	27.0	27.1	27.5	27.4	27.4
18	28.0	27.4	27.7	29.1	27.9	28.2	27.4	27.1	27.2	27.4	27.3	27.4
19	27.7	27.4	27.5	29.0	28.4	28.7	28.1	27.2	27.5	27.3	26.3	26.9
20	27.6	27.3	27.4	29.2	28.7	28.9	28.0	27.4	27.7	26.8	25.5	26.1
21	27.5	27.2	27.3	29.1	28.6	28.8	28.1	27.6	27.8	26.4	24.6	25.5
22	27.3	26.8	27.0	29.3	28.6	28.9	28.3	27.8	27.9	25.2	24.2	24.6
23	27.4	26.7	26.9	30.0	28.8	29.5	28.0	27.8	27.9	24.2	24.0	24.1
24	26.8	26.5	26.6	29.6	28.8	29.1	28.1	27.8	27.9	24.1	21.3	22.6
25	27.3	26.4	26.6	28.9	28.5	28.8	28.3	27.9	28.1	21.3	20.7	21.0
26	29.0	26.6	27.3	29.2	28.7	28.7	28.1	27.8	27.9	21.6	21.2	21.4
27	28.9	27.9	28.2	29.5	28.7	28.9	28.0	27.8	27.9	21.8	21.5	21.7
28	29.6	28.0	28.5	29.2	28.7	28.9	27.9	27.6	27.8	21.8	21.6	21.7
29	29.6	28.4	28.9	29.4	28.7	28.9	28.0	27.6	27.7	22.4	21.8	22.1
30	29.1	28.4	28.6	29.5	28.7	29.0	28.3	27.8	27.9	22.4	22.2	22.3
31	---	---	---	29.5	28.9	29.1	28.2	27.9	28.1	---	---	---
Month	29.6	24.0	26.7	30.0	27.3	28.3	29.5	26.8	28.2	28.6	20.7	25.9

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	9.8	5.7	7.7	8.4	3.1	5.6	12.5	3.9	10	10.9	7.3	8.3
2	11.0	6.5	8.4	8.3	3.8	6.9	14.2	7.0	10.4	10.4	8.4	9.3
3	9.4	2.9	6.1	9.1	6.7	7.6	12.4	9.4	11.0	11.3	9.7	10.6
4	12.0	0.8	7.9	8.7	4.8	7.1	11.2	8.5	10.1	11.4	8.6	10.2
5	13.2	1.4	8.1	8.7	5.0	6.8	11.7	7.2	10.3	10.8	8.8	9.5
6	11.0	0.8	7.1	8.8	5.5	7.3	11.8	9.9	10.8	9.9	7.5	8.9
7	11.3	2.2	7.4	9.3	7.0	8.3	11.5	8.4	10.4	9.2	6.7	8.1
8	10.1	0.4	3.9	9.4	4.7	7.8	13.6	7.0	10.3	9.9	7.6	8.8
9	8.4	0.0	1.0	8.6	1.8	6.6	13.1	8.9	11.4	9.9	8.8	9.5
10	7.8	0.0	2.9	9.6	1.1	7.7	14.7	9.0	12.7	9.8	7.1	8.9
11	7.9	0.0	4.8	10.8	8.6	9.8	13.0	5.0	10.8	10.1	8.7	9.8
12	9.8	4.4	6.7	14.2	5.7	9.6	13.2	11.2	12.4	10.3	9.4	9.8
13	9.3	6.1	7.6	13.8	5.0	10.1	12.3	8.9	11.4	9.5	6.4	8.5
14	8.8	0.8	5.5	11.7	5.0	9.4	11.8	9.8	10.7	9.0	6.7	8.3
15	8.8	0.2	3.5	11.7	8.0	9.9	11.1	8.5	10.1	10.0	5.8	7.7
16	10.7	6.5	8.3	9.9	8.3	9.1	9.8	8.2	9.0	10.5	7.9	9.3
17	12.0	4.2	7.9	10.0	6.5	9.2	10.4	8.7	9.6	10.1	8.0	9.5
18	11.9	5.5	9.2	11.4	6.0	9.5	11.3	8.0	10.2	12.6	9.0	10.0
19	9.2	5.7	7.8	10.2	6.4	9.1	12.0	8.6	10.6	10.8	7.8	9.4
20	10.7	4.5	7.8	11.2	6.2	8.6	11.9	7.3	10.7	10.8	9.0	10.0
21	9.6	1.6	6.0	10.9	4.1	8.6	11.6	8.0	10	12.5	9.4	10.6
22	11.1	4.0	9.3	10.5	8.0	9.5	11.2	8.3	9.9	15.6	8.4	11.5
23	9.8	4.3	7.8	10.3	9.3	9.7	11.1	9.1	10.3	13.8	9.8	11.5
24	9.1	5.6	7.0	10.6	9.1	9.8	10.8	8.6	10	15.0	10.0	11.9
25	7.0	1.3	5.3	10.4	6.4	8.9	11.0	7.3	9.0	13.5	10.9	11.9
26	6.3	3.3	4.7	11.6	6.4	9.7	11.0	8.9	9.7	13.8	8.0	12.0
27	5.8	1.6	4.3	15.0	8.7	11.7	10.3	8.6	9.4	13.2	7.2	11.2
28	7.3	3.7	6.0	12.2	7.5	9.5	10.3	8.5	9.7	12.5	4.2	9.9
29	7.3	1.6	5.8	14.6	7.0	11.0	10.8	7.8	9.9	15.1	2.9	11.9
30	7.2	3.1	5.1	12.6	7.7	9.8	10.3	7.7	9.4	13.3	11.6	12.4
31	7.0	1.0	4.6	---	---	---	9.7	7.0	8.5	13.5	8.9	11.7
Month	13.2	0.0	6.3	15.0	1.1	8.8	14.7	3.9	10.3	15.6	2.9	10.0

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.9	8.9	11.2	10.4	9.6	9.9	9.8	8.7	9.2	7.3	4.4	6.2
2	12.9	9.2	11.0	10.2	9.7	10.0	10.5	9.4	10	6.9	5.8	6.5
3	13.6	8.9	10.9	10.1	9.6	9.9	10.8	10.0	10.5	7.5	6.6	7.0
4	17.0	9.4	12.9	10.1	9.8	10	10.2	8.9	9.4	7.5	6.5	7.0
5	13.9	9.8	11.4	10.1	9.4	9.8	10.2	9.4	9.8	7.8	6.0	6.8
6	11.2	9.7	10.4	9.6	9.0	9.4	9.9	9.2	9.5	7.0	4.2	6.1
7	11.2	9.8	10.4	9.5	8.7	9.0	---	---	---	5.9	4.9	5.5
8	12.9	6.3	10.2	---	---	---	---	---	---	6.5	5.6	6.0
9	11.8	6.2	9.2	9.2	8.6	9.0	---	---	---	8.1	6.4	7.0
10	12.0	8.9	10	8.7	7.7	8.1	---	---	---	8.0	6.8	7.4
11	11.2	8.6	9.9	8.0	7.3	7.8	---	---	---	7.7	7.0	7.4
12	11.1	7.0	9.4	8.3	7.7	8.0	---	---	---	8.0	6.6	7.2
13	10.0	9.6	9.8	8.3	7.3	7.7	---	---	---	9.4	7.2	8.4
14	10.3	8.7	9.8	---	---	---	---	---	---	9.1	7.6	8.5
15	10.1	8.7	9.3	---	---	---	---	---	---	8.0	6.2	7.5
16	9.9	6.6	8.7	---	---	---	---	---	---	8.7	5.4	7.6
17	9.4	7.1	8.3	---	---	---	6.9	5.4	6.3	8.9	7.2	8.0
18	---	---	---	---	---	---	6.8	5.7	6.4	9.2	6.8	8.1
19	---	---	---	8.8	7.4	8.1	7.3	6.3	6.9	10.1	7.2	8.4
20	9.5	4.0	8.5	---	---	---	8.5	7.0	7.5	9.1	5.8	7.5
21	9.4	8.2	9.1	---	---	---	8.2	6.2	7.7	8.8	6.0	7.6
22	9.6	8.5	8.8	---	---	---	8.3	7.3	7.8	8.7	2.7	7.0
23	8.8	8.3	8.6	---	---	---	8.2	5.6	7.0	9.0	2.8	6.3
24	9.3	7.0	8.7	---	---	---	7.8	5.3	6.3	7.6	2.4	5.9
25	9.2	8.6	8.8	---	---	---	6.5	5.0	6.1	9.4	1.6	5.8
26	9.2	8.3	8.8	---	---	---	7.7	5.8	6.7	9.6	4.7	7.9
27	9.6	8.8	9.2	---	---	---	7.5	5.9	6.8	13.1	5.6	10.2
28	10.2	9.3	9.7	9.7	9.0	9.2	7.2	6.1	6.8	10.3	7.5	8.9
29	9.9	9.3	9.6	9.9	9.1	9.5	7.6	6.0	7.1	10.8	5.0	8.4
30	---	---	---	10.4	9.8	10.0	7.7	5.9	6.9	12.6	7.0	9.9
31	---	---	---	10.3	9.0	9.6	---	---	---	13.4	8.5	10.2
Month	---	---	---	---	---	---	---	---	---	13.4	1.6	7.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	12.6	6.5	9.1	10.7	3.2	7.7	8.4	0.0	4.3	7.6	0.0	0.5
2	11.8	0.2	7.7	9.9	0.0	4.8	10.2	0.0	2.8	4.7	0.0	0.3
3	13.8	0.7	8.2	10.6	0.0	5.9	8.9	0.0	2.1	3.7	0.0	0.2
4	12.5	8.3	10.1	9.3	5.7	8.2	3.5	0.0	0.5	7.9	0.0	1.0
5	12.0	3.2	8.4	9.3	5.4	7.5	6.9	0.0	2.2	9.0	0.1	5.8
6	11.1	1.0	7.3	9.9	5.8	7.6	2.4	0.0	0.1	5.8	1.2	3.6
7	12.8	0.1	7.5	11.9	1.7	7.6	0.0	0.0	0.0	4.2	1.9	2.8
8	9.3	0.0	4.0	10.1	4.0	7.4	4.6	0.0	0.8	6.6	0.2	2.6
9	9.9	0.0	5.9	9.3	0.6	6.3	4.6	0.0	1.0	6.4	0.5	3.3
10	9.8	2.1	6.9	10.3	1.8	6.8	5.5	0.1	2.5	7.0	0.5	3.7
11	9.2	3.4	7.2	9.1	0.3	5.0	6.2	0.4	3.5	3.8	0.0	1.0
12	8.6	4.3	6.4	4.0	0.0	1.5	6.5	0.0	2.6	3.1	0.0	0.7
13	8.9	3.9	7.2	10.2	0.0	3.9	8.3	0.4	5.0	6.4	0.0	2.6
14	8.8	5.4	7.8	9.3	4.8	8.2	8.1	0.6	4.7	6.8	0.0	1.8
15	8.0	3.2	6.1	8.9	0.0	5.1	8.8	0.0	4.1	6.2	0.0	3.5
16	8.1	0.3	4.9	6.4	0.0	2.0	7.6	0.1	4.8	3.1	0.0	0.2
17	7.9	0.0	5.4	6.3	0.0	2.3	4.6	0.0	1.8	1.3	0.0	0.0
18	---	---	---	9.5	3.5	7.2	5.0	0.9	3.1	2.1	0.0	0.5
19	---	---	---	8.9	6.3	7.6	7.0	0.6	3.7	5.9	0.0	2.0
20	---	---	---	10.7	6.0	8.6	7.4	0.0	3.6	3.9	0.8	2.5
21	---	---	---	12.0	3.1	6.3	7.4	0.0	4.9	3.0	0.0	1.4
22	---	---	---	9.8	3.1	6.1	7.3	0.2	4.4	2.4	0.7	1.7
23	---	---	---	12.0	3.2	7.9	6.9	0.4	4.0	6.0	1.6	3.7
24	---	---	---	13.7	0.1	7.3	5.7	0.0	2.1	7.0	5.0	6.1
25	9.1	1.5	5.1	6.3	0.0	1.3	6.3	0.0	2.8	7.7	5.0	6.9
26	9.2	2.5	7.3	6.7	0.0	1.5	7.8	0.0	1.1	7.4	3.9	5.8
27	8.9	3.9	7.0	11.4	0.1	4.4	5.7	0.0	1.0	5.6	4.0	4.8
28	8.6	3.9	7.0	13.1	0.0	3.1	10.3	0.9	5.6	4.9	3.1	4.2
29	8.9	4.1	7.0	8.2	0.0	2.6	9.3	2.9	5.9	6.6	2.4	4.6
30	8.6	5.1	7.0	9.2	4.0	6.8	10.1	3.2	7.3	5.6	2.9	3.8
31	---	---	---	11.1	0.3	7.2	9.2	0.0	4.2	---	---	---
Month	---	---	---	13.7	0.0	5.7	10.3	0.0	3.1	9.0	0.0	2.7

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.8	0.2	3.6	4.1	0.7	1.8	8.2	3.2	6.4	6.8	2.1	5.0
2	7.3	0.1	4.6	7.8	4.1	5.7	9.1	4.6	7.0	9.8	5.2	7.8
3	6.3	0.0	2.8	7.9	5.4	6.9	11.5	5.9	9.0	10.6	8.7	9.8
4	1.1	0.0	0.2	6.7	2.6	5.2	10.2	6.1	9.2	9.1	4.8	7.1
5	0.2	0.0	0.0	6.2	1.5	4.6	9.5	3.5	7.4	8.2	4.2	6.7
6	1.0	0.0	0.1	5.7	1.5	4.0	10.1	6.2	9.1	8.7	5.1	7.1
7	0.4	0.0	0.0	5.2	0.1	3.2	9.9	5.8	8.1	7.7	5.7	6.7
8	0.1	0.0	0.0	5.0	0.1	2.8	9.0	2.6	7.2	7.7	4.4	5.9
9	0.0	0.0	0.0	6.5	0.2	3.3	9.5	5.6	8.3	6.3	3.3	5.3
10	0.1	0.0	0.0	8.4	1.4	6.1	8.8	4.2	6.1	6.3	4.6	5.8
11	4.2	0.0	0.7	8.8	1.7	7.3	11.4	2.5	6.7	8.2	4.5	5.7
12	5.4	0.0	2.1	6.4	0.9	3.2	10.1	2.5	7.5	5.6	4.2	5.0
13	2.3	0.0	0.8	7.4	0.9	4.1	10.7	2.2	7.9	6.0	4.6	5.2
14	2.9	0.0	0.5	6.4	0.5	4.3	9.0	2.6	6.1	6.0	5.2	5.7
15	2.0	0.0	0.2	8.9	3.8	6.2	8.2	2.5	5.7	7.1	5.2	6.1
16	1.4	0.0	0.0	9.3	7.3	8.4	9.3	6.8	8.0	8.1	3.6	6.3
17	0.7	0.0	0.0	8.8	5.9	8.0	9.8	7.2	8.8	8.4	2.6	5.7
18	6.3	0.0	0.8	7.1	2.4	5.2	9.6	5.4	8.3	8.0	3.7	6.7
19	7.0	0.0	2.3	7.8	1.8	5.9	8.6	2.4	6.3	8.1	5.1	6.9
20	4.6	0.1	2.9	7.8	2.2	5.9	8.7	0.7	6.8	10.0	5.5	8.5
21	1.3	0.0	0.3	8.6	1.6	4.6	8.9	6.8	8.1	10.0	8.3	9.6
22	0.3	0.0	0.0	8.0	2.9	5.2	8.3	6.7	7.6	10.0	6.7	8.6
23	5.0	0.0	0.8	9.5	5.8	8.4	10.3	4.1	7.5	10.0	6.7	9.0
24	7.6	0.0	4.9	9.1	5.3	7.6	9.4	5.1	7.9	10.2	5.0	8.8
25	6.6	0.8	4.5	8.5	2.8	5.5	8.7	4.1	7.4	9.8	6.9	8.7
26	5.3	1.0	2.9	9.1	1.8	5.3	9.3	7.9	8.6	8.9	3.6	6.8
27	4.9	0.3	3.4	9.2	3.0	6.6	8.7	5.0	7.6	10.2	2.2	7.9
28	6.6	3.4	4.7	7.5	1.7	5.2	8.4	3.2	5.2	9.3	6.9	8.5
29	6.7	3.0	5.1	7.0	2.7	5.2	8.5	2.2	6.9	10.9	6.5	8.8
30	4.5	0.9	2.8	7.6	5.5	6.9	9.0	1.8	5.7	11.5	9.2	10.4
31	2.8	0.2	1.8	---	---	---	7.5	3.9	6.1	10.0	8.1	9.1
Month	7.6	0.0	1.7	9.5	0.1	5.4	11.5	0.7	7.4	11.5	2.1	7.3

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.0	8.5	9.8	9.9	2.6	7.3	9.6	8.2	8.8	---	---	---
2	10.3	8.7	9.8	6.5	1.2	4.4	9.8	9.0	9.5	---	---	---
3	9.4	7.0	8.0	10.0	1.7	7.3	10.0	9.2	9.7	---	---	---
4	7.7	4.7	6.3	10.1	9.7	10	9.5	7.8	8.6	---	---	---
5	6.5	3.5	5.3	10.0	8.2	9.4	9.2	8.4	8.8	---	---	---
6	10.0	4.2	6.7	8.8	7.3	8.2	8.8	6.8	8.4	---	---	---
7	9.8	3.9	7.5	9.2	7.5	8.6	7.3	5.4	6.7	---	---	---
8	7.0	3.8	5.4	9.2	8.1	8.9	5.5	2.4	3.5	---	---	---
9	6.3	3.1	4.9	9.1	8.2	8.8	4.1	2.7	3.4	---	---	---
10	8.8	2.7	5.0	9.0	7.2	8.1	4.4	2.0	2.9	---	---	---
11	8.6	4.9	6.7	8.1	7.4	7.8	7.5	1.0	3.8	---	---	---
12	9.9	2.4	6.6	8.2	5.1	7.4	---	---	---	---	---	---
13	9.9	8.6	9.3	7.9	2.5	5.6	---	---	---	---	---	---
14	9.3	7.5	8.8	---	---	---	---	---	---	---	---	---
15	8.5	6.6	7.5	---	---	---	---	---	---	---	---	---
16	7.1	4.7	6.2	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	2.7	0.5	1.6	---	---	---
18	---	---	---	---	---	---	2.5	0.6	1.2	---	---	---
19	---	---	---	8.6	2.1	7.4	7.0	0.4	1.5	---	---	---
20	8.4	5.0	7.4	---	---	---	8.3	0.5	6.5	---	---	---
21	9.2	6.6	8.7	---	---	---	7.9	3.1	5.1	---	---	---
22	9.1	4.3	7.1	---	---	---	5.9	2.7	4.3	2.5	0.3	1.4
23	7.6	4.6	6.2	---	---	---	4.9	1.4	3.4	1.6	0.1	0.7
24	7.8	5.8	7.2	---	---	---	5.1	0.8	2.4	0.8	0.0	0.1
25	6.9	3.8	5.8	---	---	---	3.0	0.3	1.2	1.6	0.0	0.2
26	8.9	4.6	6.2	---	---	---	5.7	0.1	0.8	5.1	0.0	1.3
27	8.8	4.7	6.3	---	---	---	1.7	0.2	0.6	9.7	0.0	3.3
28	5.8	4.0	4.7	9.6	9.0	9.3	7.0	0.1	3.9	9.4	0.4	4.7
29	7.9	1.9	4.1	9.7	8.7	9.3	7.1	0.1	5.1	6.1	0.4	3.9
30	---	---	---	10.2	8.0	9.5	0.9	0.1	0.2	3.4	0.1	0.9
31	---	---	---	9.9	8.6	9.3	---	---	---	10.2	0.0	2.7
Month	---	---	---	---	---	---	---	---	---	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.4	0.9	5.4	7.8	0.8	3.7	0.3	0.0	0.0	0.0	0.0	0.0
2	3.5	0.0	1.5	4.7	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
3	11.1	0.0	1.2	1.8	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0
4	10.7	0.0	4.0	---	---	---	0.0	0.0	0.0	0.3	0.0	0.1
5	8.8	0.2	4.1	---	---	---	0.0	0.0	0.0	1.6	0.1	0.2
6	2.5	0.1	0.5	---	---	---	0.0	0.0	0.0	5.0	0.2	3.5
7	0.2	0.0	0.0	---	---	---	0.0	0.0	0.0	3.9	1.0	2.4
8	0.5	0.0	0.0	---	---	---	0.8	0.0	0.0	1.3	0.1	0.5
9	0.1	0.0	0.0	---	---	---	0.0	0.0	0.0	0.1	0.1	0.1
10	0.1	0.0	0.0	---	---	---	1.2	0.0	0.2	0.3	0.1	0.1
11	0.1	0.0	0.0	1.7	0.0	0.6	3.0	0.0	1.4	0.5	0.0	0.1
12	0.0	0.0	0.0	1.6	0.0	0.6	2.0	0.0	0.3	0.7	0.0	0.1
13	0.9	0.0	0.1	3.1	0.0	0.3	1.0	0.0	0.0	0.1	0.0	0.0
14	2.5	0.0	0.3	0.5	0.0	0.0	4.8	0.0	1.7	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.4	0.0	0.0	0.0
16	3.4	0.0	0.4	0.0	0.0	0.0	1.6	0.0	0.4	0.1	0.0	0.0
17	1.3	0.0	0.1	0.0	0.0	0.0	1.2	0.0	0.2	0.1	0.1	0.1
18	2.1	0.0	0.1	2.6	0.0	0.4	0.2	0.0	0.0	0.1	0.1	0.1
19	0.1	0.0	0.0	5.9	0.0	1.3	0.0	0.0	0.0	0.6	0.1	0.2
20	2.5	0.0	0.1	7.2	0.6	4.2	0.3	0.0	0.0	1.0	0.1	0.3
21	0.1	0.0	0.0	5.2	0.0	1.5	0.0	0.0	0.0	1.9	0.1	0.8
22	1.7	0.0	0.2	1.6	0.0	0.2	2.7	0.0	0.4	2.3	0.4	1.4
23	6.9	0.0	0.7	8.6	0.0	2.7	1.0	0.0	0.2	3.0	1.4	2.4
24	3.4	0.0	1.3	8.0	1.7	4.8	0.9	0.0	0.1	7.1	1.5	4.9
25	1.8	0.0	0.3	3.0	0.0	1.2	0.3	0.0	0.0	8.0	5.7	7.2
26	7.0	0.0	1.4	0.5	0.0	0.0	0.2	0.0	0.0	7.2	3.0	4.9
27	4.9	0.0	1.4	3.5	0.0	0.3	0.3	0.0	0.0	4.2	1.2	2.9
28	6.8	0.0	1.4	1.0	0.0	0.0	1.3	0.0	0.1	3.4	1.0	2.4
29	8.9	0.0	3.1	0.4	0.0	0.0	2.6	0.0	0.2	4.9	2.8	4.0
30	7.6	1.8	4.6	0.0	0.0	0.0	0.4	0.0	0.0	4.3	1.0	2.9
31	---	---	---	0.0	0.0	0.0	0.2	0.0	0.0	---	---	---
Month	11.1	0.0	1.1	---	---	---	4.8	0.0	0.2	8.0	0.0	1.4

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	124	71	98	100	37	66	128	41	102	106	71	82
2	140	81	106	94	46	79	145	75	107	98	82	88
3	119	37	77	103	75	85	129	97	115	96	88	92
4	155	10	101	98	54	81	112	82	101	100	75	88
5	171	18	103	96	57	77	112	72	101	94	77	84
6	139	10	91	94	63	80	111	95	103	86	64	77
7	144	28	94	98	71	86	106	80	97	81	59	71
8	130	5	50	98	51	82	133	68	100	90	67	78
9	108	0	13	92	20	72	128	87	112	91	79	87
10	102	0	38	102	12	83	149	89	127	91	68	82
11	101	0	61	112	89	100	132	51	110	97	80	92
12	122	56	83	150	59	101	140	116	130	100	89	94
13	114	76	93	144	53	107	131	94	120	90	63	81
14	107	10	67	125	53	100	125	103	113	87	66	80
15	108	3	43	125	85	105	117	88	104	94	59	75
16	130	79	101	102	83	93	102	85	94	99	77	87
17	148	52	96	104	64	94	103	87	95	94	74	88
18	150	68	115	116	62	96	111	78	99	117	84	93
19	116	72	99	105	65	93	111	81	101	101	74	86
20	136	57	99	118	65	90	116	70	103	99	83	91
21	120	20	74	117	43	91	113	82	96	110	84	92
22	138	50	115	114	85	103	114	82	97	141	74	102
23	123	54	98	109	98	103	113	92	104	124	89	103
24	116	71	89	109	92	99	107	87	100	135	91	106
25	90	17	68	105	67	90	110	74	91	117	93	101
26	80	42	59	122	67	101	110	87	96	120	69	104
27	72	20	54	161	92	124	100	83	91	115	63	99
28	88	46	73	126	77	98	101	83	94	112	39	89
29	84	18	67	151	73	114	109	75	98	139	26	108
30	82	36	58	131	80	101	104	78	94	119	104	112
31	84	12	53	---	---	---	95	70	83	122	83	107
Month	171	0	79	161	12	93	149	41	103	141	26	91

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	113	83	105	94	84	88	101	86	93	81	49	70
2	121	87	103	94	89	91	109	96	102	79	64	73
3	128	85	103	94	86	91	109	101	105	86	73	79
4	161	90	122	98	90	94	102	89	96	86	74	80
5	137	95	110	101	94	97	107	97	102	92	69	78
6	114	96	103	96	89	93	103	96	99	81	49	71
7	115	98	105	95	85	89	---	---	---	68	56	63
8	130	65	102	---	---	---	---	---	---	74	63	68
9	119	61	92	91	84	87	---	---	---	95	73	81
10	121	87	98	84	75	79	---	---	---	93	79	87
11	108	82	94	79	72	76	---	---	---	89	81	86
12	103	69	90	82	74	79	---	---	---	90	74	82
13	100	91	97	82	71	76	---	---	---	105	80	93
14	101	86	96	---	---	---	---	---	---	101	84	93
15	98	84	90	---	---	---	---	---	---	88	68	82
16	96	66	84	---	---	---	---	---	---	100	60	86
17	93	71	82	---	---	---	73	57	65	102	83	91
18	---	---	---	---	---	---	72	59	66	107	78	92
19	---	---	---	89	72	80	79	66	73	120	83	97
20	90	39	80	---	---	---	94	76	82	106	68	88
21	86	77	84	---	---	---	90	68	84	104	70	90
22	86	77	80	---	---	---	92	80	86	103	32	84
23	80	74	77	---	---	---	89	62	77	108	34	76
24	85	66	79	---	---	---	88	59	70	90	29	70
25	83	76	80	---	---	---	75	56	69	113	19	70
26	85	76	81	---	---	---	88	65	76	117	56	95
27	87	82	84	---	---	---	87	67	77	163	68	123
28	90	82	86	101	90	94	84	70	78	125	90	106
29	87	80	84	100	94	97	87	68	81	129	60	99
30	---	---	---	104	97	99	87	67	77	156	82	118
31	---	---	---	101	89	94	---	---	---	168	105	125
Month	---	---	---	---	---	---	---	---	---	168	19	87

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	159	79	112	142	42	102	117	0	59	107	0	8
2	148	2	95	131	0	64	144	0	39	67	0	4
3	175	9	103	142	0	79	123	0	30	51	0	2
4	159	103	126	126	77	110	50	0	7	108	0	13
5	157	40	107	125	73	100	97	0	31	123	1	79
6	143	13	94	132	76	101	34	0	2	79	16	49
7	171	1	100	160	23	101	0	0	0	56	26	37
8	124	0	53	135	53	97	66	0	11	89	3	34
9	132	0	79	120	8	81	65	0	15	84	7	44
10	133	28	92	137	23	89	78	1	36	92	7	49
11	124	45	98	119	4	67	88	6	49	49	0	13
12	117	58	86	53	0	21	92	0	36	41	0	10
13	121	52	96	140	0	54	113	6	69	86	0	34
14	117	73	104	128	66	112	108	8	63	90	0	24
15	108	43	81	120	0	69	122	0	56	81	0	45
16	109	4	65	84	0	27	104	1	66	40	0	3
17	107	0	73	88	0	31	63	0	25	17	0	0
18	---	---	---	132	49	99	68	12	42	27	0	7
19	---	---	---	123	86	104	98	8	51	77	0	26
20	---	---	---	145	83	116	103	0	49	49	11	32
21	---	---	---	169	43	87	103	0	68	39	0	18
22	---	---	---	137	43	85	102	3	60	32	9	22
23	---	---	---	168	44	109	95	5	54	76	21	47
24	---	---	---	188	1	99	77	0	29	86	63	75
25	120	20	67	86	0	18	86	0	38	94	60	84
26	124	33	97	92	0	21	107	0	15	89	46	69
27	121	52	93	156	1	60	78	0	14	67	47	57
28	117	52	93	180	0	42	141	12	76	59	38	51
29	120	55	94	114	0	37	128	39	81	83	30	57
30	114	69	93	127	55	93	139	44	100	70	35	47
31	---	---	---	152	4	99	126	0	58	---	---	---
Month	---	---	---	188	0	77	144	0	43	123	0	35

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	86	3	45	49	9	22	88	35	69	69	21	51
2	92	1	58	89	49	67	97	50	75	95	53	77
3	81	0	35	90	61	78	122	63	95	94	81	89
4	14	0	2	76	30	60	103	62	95	84	45	66
5	3	0	0	71	17	53	97	36	75	77	40	63
6	13	0	1	66	18	46	99	61	90	81	48	67
7	5	0	0	59	1	37	97	57	80	72	54	63
8	1	0	0	56	1	32	88	26	71	72	42	56
9	0	0	0	72	2	37	94	55	81	60	32	51
10	1	0	0	90	16	66	87	42	61	61	44	56
11	54	0	9	92	18	77	116	25	67	77	44	55
12	68	0	27	68	10	34	102	25	75	55	41	49
13	30	0	11	79	10	44	112	22	81	59	45	51
14	37	0	6	69	5	47	94	27	63	60	51	57
15	25	0	3	95	41	66	86	26	60	71	53	62
16	18	0	0	96	76	87	98	71	84	78	36	63
17	9	0	0	92	61	83	99	73	89	81	26	56
18	80	0	10	75	25	55	98	55	85	76	36	65
19	90	0	29	82	19	62	88	25	65	77	49	66
20	59	1	37	82	23	63	89	7	70	91	52	79
21	17	0	4	92	17	50	90	70	82	90	74	86
22	4	0	0	87	31	55	83	68	77	90	60	77
23	63	0	10	102	62	89	105	42	76	91	61	82
24	97	0	62	94	57	79	95	52	80	93	46	80
25	85	10	58	89	30	58	88	42	75	90	64	80
26	68	13	38	95	19	56	92	80	87	82	33	63
27	62	4	43	98	32	69	86	49	75	93	20	73
28	81	43	59	80	18	56	83	32	52	86	64	78
29	79	36	62	76	29	56	84	22	69	100	60	82
30	54	11	34	82	60	74	91	18	57	105	84	96
31	34	2	22	---	---	---	75	39	62	94	76	86
Month	97	0	21	102	1	59	122	7	75	105	20	69

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	105	80	93	89	25	66	99	82	89	---	---	---
2	99	83	94	61	12	42	102	93	98	---	---	---
3	89	67	76	93	16	68	101	93	98	---	---	---
4	74	45	61	99	90	94	95	80	87	---	---	---
5	63	34	51	98	82	93	96	87	91	---	---	---
6	101	41	66	88	73	82	92	71	88	---	---	---
7	99	40	76	92	74	86	76	58	71	---	---	---
8	73	39	56	94	80	89	58	26	38	---	---	---
9	66	32	51	90	81	86	44	29	37	---	---	---
10	89	28	51	88	71	79	47	22	31	---	---	---
11	85	50	68	80	72	76	81	11	40	---	---	---
12	97	24	65	81	52	72	---	---	---	---	---	---
13	96	86	92	79	25	56	---	---	---	---	---	---
14	93	74	87	---	---	---	---	---	---	---	---	---
15	84	66	75	---	---	---	---	---	---	---	---	---
16	71	48	63	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	30	6	18	---	---	---
18	---	---	---	---	---	---	27	7	13	---	---	---
19	---	---	---	87	22	74	76	4	17	---	---	---
20	81	50	73	---	---	---	91	6	70	---	---	---
21	85	63	81	---	---	---	86	34	56	---	---	---
22	82	42	67	---	---	---	65	30	48	30	4	17
23	75	45	60	---	---	---	54	16	38	19	1	9
24	77	57	71	---	---	---	57	9	26	10	0	2
25	68	38	57	---	---	---	33	3	13	19	0	3
26	82	45	60	---	---	---	65	1	9	62	0	15
27	81	46	60	---	---	---	19	2	7	118	0	40
28	56	39	46	100	91	94	81	1	45	114	5	57
29	72	19	40	99	89	95	81	1	58	73	5	46
30	---	---	---	102	81	95	10	1	2	41	1	11
31	---	---	---	97	85	91	---	---	---	126	0	33
Month	---	---	---	---	---	---	---	---	---	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	103	11	66	104	11	49	4	0	0	0	0	0
2	43	0	18	63	0	32	0	0	0	0	0	0
3	140	0	14	24	0	4	1	0	0	0	0	0
4	135	0	50	---	---	---	0	0	0	4	0	0
5	110	3	51	---	---	---	0	0	0	22	1	2
6	32	1	6	---	---	---	0	0	0	67	3	48
7	3	0	0	---	---	---	0	0	0	53	14	32
8	6	0	0	---	---	---	12	0	0	18	1	6
9	1	0	0	---	---	---	0	0	0	1	1	1
10	1	0	0	---	---	---	17	0	2	4	1	1
11	1	0	0	23	0	8	42	0	20	7	0	1
12	0	0	0	22	0	8	28	0	4	10	0	2
13	12	0	2	43	0	4	14	0	0	1	0	0
14	34	0	4	7	0	0	66	0	24	0	0	0
15	0	0	0	0	0	0	14	0	5	0	0	0
16	46	0	6	0	0	0	22	0	5	1	0	0
17	17	0	2	0	0	0	17	0	3	1	1	1
18	29	0	1	36	0	6	3	0	0	1	1	1
19	1	0	0	81	0	18	0	0	0	8	1	2
20	34	0	2	99	8	58	4	0	0	13	1	4
21	1	0	0	72	0	21	0	0	0	25	1	10
22	22	0	3	22	0	3	38	0	6	30	5	19
23	91	0	9	119	0	37	14	0	2	39	18	31
24	45	0	17	108	23	65	13	0	1	88	20	61
25	24	0	4	41	0	16	4	0	0	98	69	87
26	94	0	19	7	0	0	3	0	0	88	37	61
27	65	0	19	48	0	4	4	0	0	52	15	35
28	92	0	19	14	0	0	18	0	0	42	12	30
29	120	0	41	6	0	0	36	0	3	62	35	51
30	101	24	62	0	0	0	6	0	0	53	13	36
31	---	---	---	0	0	0	3	0	0	---	---	---
Month	140	0	14	---	---	---	66	0	2	98	0	17