

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, 15.9 ppt, July 22; minimum recorded, .03 ppt, on several days during the year.

SALINITY (BOTTOM): Maximum recorded, 17.1 ppt, July 22, 23; minimum recorded, .03 ppt, on several days during the year.

pH (TOP): Maximum recorded, 9.0 standard units, May 29, July 25; minimum recorded, 6.2 standard units, on several days during the year.

pH (BOTTOM): Maximum recorded, 8.7 standard units, July 5; minimum recorded, 6.2 standard units, on several days during the year.

WATER TEMPERATURE (TOP): Maximum recorded, 32.2°C, August 9; minimum recorded, 4.4°C, February 6.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.3°C, August 10; minimum recorded, 4.5°C, February 6, 7.

DISSOLVED OXYGEN (TOP): Maximum recorded, 13.2 mg/L, August 13; minimum recorded, 0.0 mg/L, on several days during the year.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 12.2 mg/L, February 7; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 185%, August 13; minimum recorded, 0%, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 116%, September 16; 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 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1.8	1.0	1.3	0.35	0.11	0.15	0.04	0.03	0.03	0.04	0.04	0.04
2	7.6	1.2	2.8	1.6	0.13	0.41	0.04	0.03	0.03	0.04	0.03	0.04
3	7.5	2.8	5.1	2.8	0.50	1.8	0.04	0.03	0.03	0.04	0.03	0.03
4	---	---	---	1.0	0.39	0.65	0.04	0.03	0.03	0.04	0.03	0.04
5	---	---	---	4.6	0.48	1.0	0.04	0.03	0.04	0.04	0.04	0.04
6	---	---	---	9.7	0.61	2.9	0.04	0.04	0.04	0.05	0.04	0.04
7	5.3	3.6	4.5	8.0	0.67	2.8	0.05	0.04	0.04	0.05	0.04	0.04
8	6.7	4.3	5.4	3.4	1.3	2.0	0.86	0.05	0.30	0.05	0.04	0.04
9	6.9	5.1	6.2	3.8	1.1	1.8	0.06	0.04	0.05	0.05	0.04	0.04
10	7.1	4.5	5.6	2.3	0.59	1.2	0.05	0.04	0.04	0.06	0.04	0.05
11	6.9	3.4	4.7	2.8	0.54	0.94	0.05	0.04	0.05	0.05	0.04	0.05
12	7.7	1.9	4.4	1.2	0.39	0.68	0.05	0.04	0.05	0.05	0.04	0.05
13	8.0	2.2	4.8	2.1	0.35	1.2	0.06	0.04	0.05	0.05	0.04	0.04
14	5.6	2.9	4.2	0.96	0.20	0.36	0.05	0.04	0.05	0.05	0.04	0.04
15	5.2	2.6	4.1	0.21	0.06	0.10	0.06	0.05	0.05	0.05	0.04	0.04
16	8.8	2.2	5.0	0.14	0.06	0.08	0.07	0.05	0.06	0.05	0.04	0.04
17	6.4	2.6	4.7	0.10	0.06	0.07	0.08	0.05	0.06	0.06	0.04	0.04
18	4.4	2.0	3.3	0.27	0.06	0.09	0.13	0.05	0.07	0.04	0.04	0.04
19	5.1	3.1	3.9	0.28	0.07	0.13	0.18	0.08	0.11	0.09	0.04	0.05
20	3.4	1.8	2.5	9.8	0.14	1.1	0.45	0.11	0.24	0.67	0.06	0.23
21	3.1	1.5	2.0	6.9	1.3	4.1	1.3	0.18	0.55	0.20	0.04	0.07
22	4.3	1.0	1.9	5.7	0.14	2.2	0.62	0.32	0.42	0.06	0.04	0.05
23	4.1	1.4	3.1	0.15	0.04	0.07	0.87	0.39	0.57	0.06	0.04	0.05
24	4.2	2.2	3.2	0.04	0.03	0.03	0.52	0.12	0.25	0.06	0.05	0.05
25	3.0	1.8	2.5	0.03	0.03	0.03	0.41	0.07	0.25	0.06	0.05	0.05
26	2.4	0.94	1.5	0.03	0.03	0.03	0.13	0.06	0.07	0.13	0.05	0.07
27	5.1	0.81	2.5	0.03	0.03	0.03	0.08	0.06	0.07	0.05	0.04	0.05
28	2.4	1.2	1.5	0.04	0.03	0.03	0.07	0.05	0.06	0.05	0.04	0.05
29	3.1	0.53	1.5	0.04	0.03	0.03	0.05	0.04	0.05	0.06	0.04	0.05
30	0.63	0.19	0.39	0.04	0.03	0.03	0.06	0.04	0.04	0.04	0.04	0.04
31	0.54	0.10	0.20	---	---	---	0.04	0.04	0.04	0.06	0.04	0.04
Month	---	---	---	9.8	0.03	0.87	1.3	0.03	0.12	0.67	0.03	0.05

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.05	0.04	0.04	0.07	0.06	0.06	0.06	0.05	0.05	0.46	0.22	0.34
2	0.05	0.04	0.04	0.07	0.05	0.06	0.11	0.05	0.06	0.50	0.22	0.36
3	0.06	0.04	0.05	0.08	0.05	0.07	0.06	0.05	0.06	1.1	0.33	0.62
4	0.07	0.05	0.05	0.09	0.06	0.07	0.06	0.06	0.06	1.5	0.30	0.65
5	0.06	0.04	0.05	0.07	0.05	0.07	0.47	0.06	0.28	2.9	0.97	1.6
6	0.15	0.04	0.07	0.07	0.05	0.06	0.49	0.06	0.26	5.3	1.1	2.9
7	0.06	0.04	0.05	0.06	0.05	0.05	0.62	0.07	0.17	5.0	2.4	3.8
8	0.06	0.04	0.05	0.06	0.05	0.05	0.75	0.22	0.46	4.9	1.4	3.1
9	0.06	0.05	0.05	0.05	0.04	0.05	0.70	0.28	0.42	1.8	1.0	1.2
10	0.05	0.05	0.05	0.05	0.04	0.05	1.1	0.26	0.48	2.6	0.41	1.1
11	0.05	0.05	0.05	0.05	0.05	0.05	1.2	0.84	1.1	2.7	0.68	1.2
12	0.06	0.05	0.05	0.05	0.04	0.05	0.84	0.18	0.40	1.2	0.40	0.63
13	0.06	0.05	0.05	0.05	0.05	0.05	0.91	0.23	0.57	3.2	0.39	1.5
14	0.06	0.05	0.06	0.05	0.05	0.05	0.87	0.26	0.45	5.3	1.2	2.2
15	0.06	0.05	0.06	0.05	0.05	0.05	0.30	0.07	0.13	2.3	0.60	1.5
16	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	1.3	0.45	0.77
17	0.07	0.06	0.06	0.06	0.06	0.06	---	---	---	0.66	0.38	0.55
18	0.07	0.06	0.06	0.07	0.06	0.06	---	---	---	0.65	0.22	0.42
19	0.07	0.06	0.07	0.07	0.06	0.07	---	---	---	0.91	0.20	0.57
20	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.04	0.04	2.8	0.62	0.97
21	0.06	0.05	0.06	0.07	0.06	0.07	0.04	0.04	0.04	4.3	0.59	1.4
22	0.06	0.05	0.06	0.07	0.05	0.06	0.05	0.04	0.04	3.3	1.1	1.5
23	0.32	0.06	0.18	0.06	0.05	0.05	0.04	0.04	0.04	1.7	1.0	1.4
24	0.27	0.06	0.15	0.05	0.04	0.05	0.05	0.04	0.04	1.5	0.90	1.2
25	0.11	0.05	0.06	0.31	0.04	0.09	0.05	0.04	0.04	1.5	0.56	0.99
26	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.04	0.04	1.3	0.41	0.76
27	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.04	0.04	1.1	0.34	0.70
28	0.07	0.06	0.06	0.10	0.05	0.05	0.04	0.04	0.04	1.1	0.29	0.70
29	---	---	---	0.20	0.06	0.11	0.25	0.04	0.06	1.2	0.32	0.54
30	---	---	---	0.14	0.05	0.07	0.41	0.06	0.15	1.7	0.50	1.1
31	---	---	---	0.13	0.06	0.08	---	---	---	1.6	0.58	1.1
Month	0.32	0.04	0.06	0.31	0.04	0.06	---	---	---	5.3	0.20	1.2

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1.3	0.45	0.72	5.4	1.7	2.3	13.4	6.4	8.7	14.4	9.0	12.1
2	1.2	0.46	0.81	5.4	1.4	2.5	11.1	6.0	8.8	14.5	9.2	11.1
3	2.7	0.59	1.4	3.8	1.6	2.4	9.5	7.0	7.8	13.0	11.0	11.6
4	1.7	0.26	0.62	2.5	1.0	1.6	9.0	5.5	7.2	13.0	9.4	11.3
5	0.72	0.23	0.40	2.4	0.71	1.1	8.4	5.6	6.7	12.4	7.7	11.1
6	1.1	0.31	0.60	1.9	0.81	1.4	7.5	6.2	6.9	11.4	9.3	10.3
7	1.1	0.25	0.72	3.9	1.1	1.6	6.8	5.6	6.3	11.1	9.3	10.0
8	0.84	0.19	0.40	3.4	1.1	2.0	6.8	5.0	6.0	10.7	8.2	9.4
9	1.1	0.14	0.34	4.2	0.84	2.0	6.1	4.9	5.5	9.3	7.7	8.5
10	3.9	0.20	0.85	2.8	1.4	2.1	6.9	3.7	5.3	9.7	7.3	8.8
11	3.1	0.53	1.3	2.9	1.6	2.0	8.4	4.3	5.9	9.0	7.7	8.5
12	2.2	0.50	0.90	3.1	1.2	2.1	8.4	4.1	5.7	9.5	7.6	8.7
13	7.6	0.69	2.7	4.4	0.57	1.7	9.3	3.5	6.1	10.2	8.3	9.2
14	5.2	1.9	2.7	7.1	0.56	3.1	12.8	3.6	7.2	9.4	7.7	8.6
15	5.2	2.6	4.0	4.9	1.3	2.7	12.8	6.5	8.0	9.5	7.3	8.4
16	5.6	3.2	4.6	3.5	1.4	2.1	7.1	5.0	6.4	9.5	7.8	8.5
17	4.3	2.9	3.5	3.4	1.6	2.1	7.2	5.0	5.6	10.1	7.6	8.4
18	4.6	2.4	3.5	3.9	1.3	1.9	7.8	4.8	6.2	9.8	7.9	8.8
19	3.8	2.5	3.1	8.0	2.1	4.2	7.4	4.9	6.2	9.5	8.3	8.8
20	4.5	2.3	3.3	10.8	1.7	3.7	7.6	4.9	5.7	11.8	4.6	7.7
21	4.8	2.3	2.9	15.4	3.5	8.4	8.2	4.7	5.5	12.3	7.4	9.5
22	6.3	2.2	3.4	15.9	7.1	9.5	8.4	4.6	6.1	10.4	6.4	7.9
23	8.8	2.1	4.6	14.8	6.6	9.0	9.8	4.8	7.5	12.8	5.0	7.6
24	5.4	3.8	4.5	10.7	4.7	8.2	9.4	4.9	6.9	12.8	5.4	8.5
25	5.1	3.5	4.1	9.8	2.4	6.0	8.7	5.2	6.4	10.9	6.2	8.7
26	4.4	2.6	3.5	12.7	3.5	7.2	8.0	5.2	6.0	8.6	6.8	7.7
27	3.6	2.1	3.1	8.9	4.3	5.7	11.7	4.4	6.7	9.7	5.2	7.4
28	3.4	1.8	2.7	11.8	4.3	5.8	12.0	4.7	8.2	8.1	5.9	7.0
29	2.8	1.7	2.0	7.8	5.2	6.2	13.7	6.4	8.3	12.0	5.7	7.7
30	2.7	1.5	2.0	8.8	4.9	5.9	13.8	5.9	10.6	12.0	8.3	9.8
31	---	---	---	12.6	4.9	7.2	14.7	6.4	12.1	---	---	---
Month	8.8	0.14	2.3	15.9	0.56	4.0	14.7	3.5	7.0	14.5	4.6	9.1

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	10.1	7.6	9.3	5.9	3.3	5.0	0.04	0.03	0.03	0.04	0.03	0.03
2	10.5	8.5	9.9	6.5	3.7	5.8	0.04	0.03	0.03	0.04	0.03	0.03
3	10.2	8.9	10	6.5	1.2	3.2	0.03	0.03	0.03	0.03	0.03	0.03
4	---	---	---	7.6	2.8	5.8	0.04	0.03	0.03	0.04	0.03	0.03
5	---	---	---	9.8	7.6	8.9	0.04	0.03	0.03	0.04	0.03	0.03
6	---	---	---	10.7	9.5	10.2	0.04	0.03	0.04	0.04	0.03	0.04
7	10.0	5.9	8.7	10.7	5.8	9.9	0.06	0.04	0.04	0.04	0.04	0.04
8	9.8	6.3	8.6	7.4	2.8	5.3	2.4	0.06	0.41	0.05	0.04	0.04
9	8.3	5.6	7.1	9.5	3.5	8.0	0.11	0.04	0.06	0.04	0.04	0.04
10	7.6	5.6	6.7	9.3	8.9	9.2	0.06	0.04	0.05	0.05	0.04	0.05
11	7.8	7.2	7.5	9.3	2.1	7.0	0.05	0.04	0.04	0.05	0.04	0.04
12	8.2	5.7	7.1	3.0	0.42	1.3	0.05	0.04	0.05	0.05	0.04	0.04
13	8.9	6.8	8.2	3.1	1.5	1.9	0.14	0.04	0.05	0.04	0.04	0.04
14	9.5	8.3	9.1	4.3	1.1	3.0	0.32	0.05	0.07	0.04	0.04	0.04
15	9.3	7.5	8.9	6.7	0.58	3.5	0.11	0.05	0.06	0.04	0.04	0.04
16	9.2	7.6	8.9	0.63	0.06	0.08	4.2	0.05	1.0	0.04	0.04	0.04
17	9.0	6.1	7.8	0.10	0.06	0.07	2.5	0.11	0.67	0.06	0.04	0.04
18	7.6	4.1	5.6	1.3	0.06	0.22	6.2	0.14	3.7	0.04	0.04	0.04
19	7.5	3.9	6.5	7.7	0.41	5.1	8.4	6.1	7.5	0.09	0.04	0.05
20	6.6	3.1	4.7	10.8	7.6	9.4	8.8	8.1	8.6	1.1	0.06	0.36
21	7.0	4.5	6.2	10.9	3.5	7.3	8.8	7.9	8.6	0.77	0.05	0.15
22	7.0	6.0	6.6	6.0	0.15	2.4	8.6	0.43	7.0	0.07	0.04	0.05
23	6.9	3.5	5.3	0.16	0.04	0.07	4.7	0.56	1.8	0.06	0.04	0.05
24	4.4	3.0	3.8	0.04	0.03	0.03	6.0	0.28	2.6	0.05	0.04	0.05
25	5.1	2.8	3.8	0.03	0.03	0.03	5.6	0.06	0.95	0.06	0.04	0.05
26	7.2	4.8	6.1	0.03	0.03	0.03	0.12	0.05	0.07	0.13	0.05	0.07
27	7.5	2.5	6.2	0.03	0.03	0.03	0.08	0.06	0.06	0.05	0.04	0.05
28	3.6	1.3	2.0	0.04	0.03	0.03	0.07	0.05	0.05	0.05	0.04	0.04
29	3.3	1.3	2.7	0.04	0.03	0.03	0.05	0.04	0.05	0.06	0.04	0.05
30	3.5	0.73	2.7	0.03	0.03	0.03	0.05	0.04	0.04	0.04	0.04	0.04
31	4.6	3.2	3.9	---	---	---	0.04	0.04	0.04	0.06	0.04	0.04
Month	---	---	---	10.9	0.03	3.8	8.8	0.03	1.4	1.1	0.03	0.06

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.05	0.04	0.04	0.06	0.05	0.06	0.07	0.05	0.05	11.1	3.2	8.4
2	0.05	0.04	0.04	0.07	0.05	0.06	0.12	0.05	0.07	9.2	0.40	3.5
3	0.05	0.04	0.05	0.08	0.05	0.06	0.10	0.06	0.06	9.0	2.0	5.1
4	0.07	0.05	0.05	0.09	0.06	0.07	0.06	0.06	0.06	9.9	6.2	8.8
5	0.07	0.05	0.05	0.07	0.05	0.06	0.55	0.06	0.32	9.5	2.7	6.9
6	0.14	0.05	0.07	0.07	0.05	0.06	0.90	0.08	0.45	5.2	1.6	3.6
7	0.06	0.04	0.05	0.06	0.05	0.05	0.81	0.07	0.25	5.1	3.2	4.1
8	0.06	0.04	0.05	0.06	0.05	0.05	1.7	0.41	0.96	4.9	2.8	4.2
9	0.06	0.05	0.05	0.05	0.04	0.05	3.7	0.65	2.5	4.9	4.3	4.6
10	0.06	0.05	0.05	0.05	0.04	0.04	4.2	1.2	3.5	5.0	3.9	4.4
11	0.06	0.05	0.05	0.05	0.04	0.05	3.4	0.80	1.4	5.5	3.4	4.7
12	0.06	0.05	0.05	0.05	0.04	0.05	1.0	0.18	0.50	5.7	3.6	4.6
13	0.06	0.05	0.05	0.05	0.05	0.05	1.5	0.65	1.0	6.4	4.2	5.5
14	0.06	0.05	0.06	0.05	0.05	0.05	1.3	0.27	0.66	6.4	4.7	5.8
15	0.06	0.05	0.06	0.05	0.05	0.05	0.31	0.07	0.14	5.2	1.5	3.9
16	0.06	0.06	0.06	0.06	0.05	0.05	---	---	---	2.3	0.47	1.3
17	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	1.8	0.44	1.1
18	0.07	0.06	0.06	0.06	0.06	0.06	---	---	---	4.6	1.3	2.5
19	0.07	0.06	0.07	0.07	0.06	0.07	---	---	---	4.6	2.0	3.6
20	0.06	0.05	0.06	0.07	0.06	0.07	0.10	0.04	0.04	4.1	3.0	3.7
21	0.06	0.05	0.06	0.07	0.06	0.07	0.04	0.04	0.04	5.8	3.7	4.8
22	0.06	0.05	0.05	0.06	0.05	0.06	0.04	0.04	0.04	5.0	3.1	4.4
23	0.41	0.06	0.20	0.06	0.05	0.05	0.04	0.04	0.04	4.4	2.8	3.8
24	0.35	0.06	0.18	0.05	0.05	0.05	0.05	0.04	0.04	3.7	1.7	3.0
25	0.30	0.05	0.07	0.32	0.05	0.09	0.04	0.04	0.04	3.1	0.80	2.4
26	0.06	0.05	0.06	0.05	0.04	0.05	0.04	0.04	0.04	2.2	0.94	1.7
27	0.06	0.05	0.06	0.05	0.04	0.05	0.04	0.04	0.04	1.7	0.62	1.4
28	0.07	0.06	0.06	0.32	0.05	0.07	0.05	0.04	0.04	1.3	0.45	0.99
29	---	---	---	2.0	0.07	0.27	5.4	0.05	1.7	3.8	0.68	2.1
30	---	---	---	2.8	0.10	0.53	8.5	5.2	7.0	4.0	2.6	3.5
31	---	---	---	1.2	0.05	0.26	---	---	---	3.3	1.2	2.3
Month	0.41	0.04	0.07	2.8	0.04	0.09	---	---	---	11.1	0.40	3.9

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1.7	0.59	1.3	10.4	4.1	6.9	13.7	12.9	13.3	14.7	14.4	14.6
2	1.7	0.58	1.3	11.0	7.8	10.4	13.7	12.4	13.3	14.7	12.2	14.0
3	2.8	0.79	1.6	10.6	6.1	9.6	13.3	10	12.3	14.1	13.0	13.5
4	1.7	0.26	0.77	10.0	3.0	8.1	12.1	9.0	11.1	13.3	12.0	12.6
5	1.1	0.28	0.79	6.5	1.1	3.6	12.5	8.4	11.0	12.9	11.7	12.4
6	2.9	0.41	1.3	6.8	1.9	3.8	11.5	7.0	8.7	12.4	10.7	11.7
7	2.7	0.25	1.4	8.8	6.4	7.5	10.0	7.4	8.8	12.0	10.6	11.4
8	1.2	0.29	0.74	8.2	6.5	7.6	9.8	6.5	8.0	11.7	9.7	10.9
9	2.8	0.14	1.2	8.8	4.2	7.6	9.7	7.4	8.6	11.5	8.8	10.2
10	5.6	2.4	3.8	8.1	3.1	6.0	9.6	4.4	6.9	10.4	8.5	9.2
11	5.5	3.4	4.9	5.2	1.7	4.1	9.2	6.5	8.3	9.3	7.9	8.7
12	7.8	4.9	6.1	6.0	2.0	4.6	10.7	9.2	10.3	10.2	7.9	9.2
13	8.7	7.8	8.4	8.0	5.4	6.2	11.7	10.6	11.2	10.7	9.0	10.0
14	8.7	7.8	8.4	12.2	7.5	11.0	13.1	11.0	12.2	11.5	9.2	10.4
15	8.8	7.5	8.2	12.8	9.8	11.9	13.1	8.3	11.9	10.6	8.7	9.7
16	7.9	4.9	6.5	12.8	5.1	11.5	11.2	5.7	8.7	10.7	8.5	9.8
17	5.9	4.5	5.2	13.7	11.3	12.4	7.7	5.5	6.5	11.1	8.0	9.7
18	7.0	3.8	5.7	14.5	13.1	13.9	9.2	5.8	7.9	11.1	9.0	9.9
19	5.9	3.1	4.8	15.3	14.4	14.8	9.3	6.1	8.1	11.3	9.2	10.3
20	4.8	3.4	3.8	15.4	13.4	14.9	8.7	5.9	7.2	12.9	10.9	12.0
21	6.5	4.3	5.3	16.9	14.7	15.5	9.3	5.7	7.4	13.0	11.1	12.3
22	9.4	5.4	7.0	17.1	16.3	16.7	9.2	6.3	7.9	12.7	9.7	11.7
23	9.8	8.6	9.3	17.1	16.5	16.8	11.0	9.2	10	13.3	11.2	12.4
24	9.2	5.4	8.0	16.7	15.8	16.4	11.6	8.5	10.5	13.6	13.0	13.2
25	6.5	4.6	5.2	16.9	16.6	16.7	11.8	6.7	9.8	13.7	10.9	13.1
26	6.0	3.7	4.9	16.8	16.4	16.6	11.5	8.3	10.1	13.3	9.8	12.6
27	5.2	3.1	4.3	16.5	14.7	15.9	13.4	10.9	12.3	12.9	8.1	11.5
28	4.8	2.2	3.6	15.5	12.4	14.9	13.5	11.8	13.0	12.9	8.7	10.6
29	4.2	2.1	3.0	14.5	12.8	14.0	14.7	12.4	13.9	13.8	11.3	12.8
30	4.7	3.1	3.9	14.1	12.6	13.5	14.9	14.3	14.7	13.0	10.2	11.4
31	---	---	---	13.7	13.0	13.3	14.9	14.5	14.7	---	---	---
Month	9.8	0.14	4.4	17.1	1.1	11.2	14.9	4.4	10.3	14.7	7.9	11.4

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	6.9	6.8	6.8	6.9	6.7	6.8	6.4	6.2	6.3	6.6	6.5	6.6
2	6.9	6.7	6.8	7.0	6.7	6.8	6.3	6.2	6.3	6.7	6.5	6.6
3	6.8	6.6	6.7	7.2	6.8	7.0	6.3	6.2	6.3	6.6	6.5	6.5
4	---	---	---	6.9	6.7	6.9	6.4	6.3	6.3	6.6	6.5	6.5
5	---	---	---	7.0	6.7	6.8	6.4	6.3	6.3	6.6	6.5	6.6
6	---	---	---	7.1	6.7	6.8	6.5	6.3	6.4	6.8	6.6	6.7
7	7.3	6.9	7.0	7.1	6.7	6.9	6.6	6.4	6.5	6.7	6.7	6.7
8	7.3	7.0	7.1	7.2	6.9	7.0	6.8	6.6	6.7	6.8	6.7	6.7
9	7.3	7.0	7.1	7.1	6.9	7.0	6.7	6.6	6.6	6.8	6.6	6.7
10	7.0	6.8	6.9	7.0	6.8	6.8	6.7	6.6	6.6	6.9	6.8	6.9
11	6.9	6.7	6.8	6.9	6.7	6.8	6.7	6.6	6.7	6.9	6.7	6.8
12	7.2	6.6	6.8	7.0	6.7	6.8	6.7	6.6	6.7	6.8	6.7	6.8
13	7.2	6.9	7.0	7.1	6.8	7.0	6.8	6.6	6.7	6.8	6.7	6.8
14	7.2	6.9	7.0	7.0	6.7	6.8	6.7	6.6	6.7	6.8	6.7	6.8
15	7.1	7.0	7.1	6.7	6.5	6.6	6.7	6.7	6.7	6.8	6.7	6.8
16	7.2	6.8	7.0	6.8	6.6	6.6	6.7	6.6	6.7	6.9	6.8	6.8
17	7.1	6.9	7.0	6.8	6.5	6.6	6.7	6.7	6.7	7.0	6.8	6.9
18	7.3	6.9	7.1	6.7	6.5	6.6	6.7	6.7	6.7	6.9	6.8	6.8
19	7.3	6.9	7.0	6.6	6.5	6.5	6.9	6.7	6.8	7.0	6.8	6.9
20	7.4	7.0	7.1	6.9	6.4	6.5	7.0	6.8	6.9	7.1	6.9	7.0
21	7.6	7.2	7.2	7.2	6.6	6.9	6.9	6.8	6.9	7.1	6.9	6.9
22	7.5	7.0	7.1	7.2	6.6	6.8	7.0	6.8	6.9	7.0	6.9	7.0
23	7.3	7.0	7.2	6.8	6.4	6.5	7.1	7.0	7.0	7.0	6.9	6.9
24	7.4	7.2	7.3	6.4	6.3	6.3	7.0	6.8	7.0	7.0	6.9	7.0
25	7.6	7.2	7.4	6.3	6.2	6.2	7.1	6.9	7.0	7.1	6.9	7.0
26	7.5	7.1	7.2	6.2	6.2	6.2	7.0	6.8	6.9	7.2	7.0	7.2
27	7.6	7.0	7.2	6.2	6.2	6.2	7.0	6.8	6.9	7.0	6.8	6.9
28	7.4	7.2	7.3	6.3	6.2	6.2	6.9	6.7	6.7	6.9	6.8	6.9
29	7.4	7.2	7.3	6.3	6.2	6.2	6.7	6.6	6.7	7.2	6.9	7.0
30	7.2	6.9	7.1	6.3	6.2	6.2	6.7	6.6	6.6	7.0	6.8	6.8
31	7.0	6.8	6.9	---	---	---	6.6	6.6	6.6	7.1	6.8	6.9
Max	---	---	---	7.2	6.9	7.0	7.1	7.0	7.0	7.2	7.0	7.2
Min	---	---	---	6.2	6.2	6.2	6.3	6.2	6.3	6.6	6.5	6.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	6.9	6.8	6.8	7.1	6.9	7.0	6.4	6.2	6.3	6.6	6.5	6.5
2	6.9	6.8	6.8	7.2	7.0	7.0	6.3	6.3	6.3	6.6	6.5	6.6
3	6.9	6.8	6.9	7.2	7.0	7.1	6.3	6.2	6.3	6.5	6.4	6.5
4	---	---	---	7.2	7.0	7.0	6.5	6.3	6.4	6.5	6.4	6.5
5	---	---	---	7.0	7.0	7.0	6.4	6.3	6.4	6.6	6.5	6.5
6	---	---	---	7.0	7.0	7.0	6.5	6.4	6.4	6.8	6.6	6.7
7	7.1	6.9	6.9	7.0	6.9	7.0	6.6	6.5	6.5	6.7	6.6	6.7
8	7.3	6.9	7.0	7.1	6.8	6.9	6.9	6.6	6.8	6.8	6.6	6.7
9	7.3	7.0	7.1	7.0	6.8	6.9	6.8	6.6	6.7	6.8	6.6	6.7
10	7.2	7.0	7.1	6.9	6.8	6.9	6.7	6.6	6.7	6.9	6.7	6.8
11	7.1	7.0	7.0	6.9	6.7	6.8	6.7	6.7	6.7	6.8	6.7	6.7
12	7.3	6.9	7.0	7.0	6.6	6.8	6.8	6.7	6.7	6.7	6.6	6.7
13	7.2	7.0	7.1	7.0	6.9	7.0	6.8	6.7	6.7	6.7	6.6	6.7
14	7.1	7.0	7.1	7.0	6.8	7.0	6.8	6.7	6.8	6.8	6.6	6.7
15	7.1	7.0	7.0	7.0	6.6	6.9	6.8	6.7	6.8	6.8	6.7	6.7
16	7.1	6.8	7.0	6.9	6.6	6.7	7.0	6.6	6.8	6.8	6.7	6.7
17	7.0	6.8	6.8	6.8	6.6	6.6	7.0	6.7	6.8	6.9	6.8	6.8
18	7.0	6.8	6.8	6.8	6.5	6.6	6.8	6.6	6.8	6.8	6.8	6.8
19	6.9	6.8	6.8	7.1	6.6	7.0	6.9	6.6	6.8	6.9	6.8	6.8
20	7.1	6.8	6.9	7.1	7.0	7.1	6.9	6.8	6.8	7.1	6.8	7.0
21	7.0	6.9	7.0	7.3	7.0	7.1	6.8	6.8	6.8	7.1	6.8	6.9
22	7.0	6.8	6.9	7.3	6.7	6.9	7.0	6.7	6.8	6.9	6.8	6.9
23	7.2	6.8	7.0	6.8	6.4	6.5	7.0	6.8	6.9	7.0	6.8	6.9
24	7.5	7.1	7.2	6.4	6.3	6.4	7.0	6.7	6.9	6.9	6.8	6.9
25	7.5	7.2	7.3	6.3	6.2	6.3	7.1	6.7	7.0	7.0	6.9	7.0
26	7.7	7.1	7.3	6.3	6.2	6.2	7.0	6.8	6.8	7.2	7.0	7.1
27	7.6	7.1	7.3	6.3	6.2	6.2	6.9	6.8	6.9	7.0	6.8	6.9
28	7.5	7.2	7.3	6.3	6.2	6.3	6.8	6.6	6.7	6.9	6.8	6.9
29	7.5	7.3	7.4	6.3	6.2	6.3	6.7	6.6	6.6	7.2	6.9	7.0
30	7.3	7.1	7.2	6.3	6.2	6.3	6.7	6.5	6.6	7.0	6.8	6.8
31	7.2	6.9	7.1	---	---	---	6.6	6.5	6.6	7.0	6.8	6.9
Max	---	---	---	7.3	7.0	7.1	7.1	6.8	7.0	7.2	7.0	7.1
Min	---	---	---	6.3	6.2	6.2	6.3	6.2	6.3	6.5	6.4	6.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.9	22.1	22.9	17.2	15.8	16.2	14.4	12.7	13.5	12.6	11.2	11.9
2	24.2	21.8	23.1	16.9	15.9	16.5	14.3	13.3	13.8	12.2	11.5	11.8
3	23.7	21.8	23.3	16.0	14.0	15.0	13.3	12.4	12.7	11.5	10.9	11.1
4	---	---	---	14.2	12.9	13.6	12.5	11.8	12.2	11.6	10.8	11.2
5	---	---	---	14.8	12.2	13.3	11.8	10.7	11.3	13.0	11.5	12.2
6	---	---	---	15.2	12.2	13.5	10.9	10.4	10.6	14.6	12.9	13.8
7	23.3	21.5	22.2	15.0	12.5	13.8	11.1	10.2	10.7	14.3	13.6	13.9
8	22.1	21.5	21.8	15.1	14.1	14.6	10.8	8.1	9.3	15.2	14.3	14.8
9	22.3	21.5	21.9	16.0	14.4	15.1	8.4	7.1	7.9	14.4	12.3	13.5
10	22.7	21.7	22.2	15.6	14.1	14.8	7.8	6.5	7.0	12.3	10.8	11.8
11	22.4	21.1	21.8	16.3	14.8	15.5	7.5	6.4	6.8	11.2	10.1	10.5
12	22.8	21.6	22.1	16.1	14.5	15.5	7.8	6.6	7.0	10.8	9.7	10.2
13	22.6	20.9	21.6	14.6	14.1	14.4	8.5	7.4	7.8	11.4	9.9	10.6
14	21.4	19.0	20.2	15.4	14.2	14.7	9.4	8.2	8.7	12.3	10.5	11.4
15	20.7	17.6	19.4	15.3	14.7	14.9	10.2	9.0	9.6	12.9	11.3	12.0
16	21.7	17.9	19.6	16.8	15.3	15.9	10.7	9.4	9.9	12.6	12.0	12.3
17	20.6	18.7	19.9	15.9	15.2	15.6	10.6	9.5	10.0	12.0	10.2	10.8
18	21.4	19.6	20.3	15.5	14.4	15.0	11.2	9.7	10.4	10.2	9.0	9.5
19	21.3	20.2	20.5	14.5	13.6	14.0	11.5	10.2	10.7	9.2	8.4	8.8
20	22.4	21.0	21.6	15.3	12.7	13.3	11.1	10.3	10.7	9.0	7.9	8.5
21	21.4	19.7	20.4	13.8	12.4	12.8	10.9	10.0	10.5	8.2	7.8	8.0
22	20.4	19.0	19.6	13.0	12.1	12.5	11.8	10.7	11.1	7.9	7.4	7.6
23	20.0	18.6	19.4	12.1	11.5	11.7	13.3	11.7	12.3	7.8	7.2	7.5
24	18.8	15.5	17.3	11.8	11.2	11.5	13.3	12.0	12.6	7.9	7.0	7.5
25	15.7	14.7	15.2	11.5	10.9	11.3	13.8	12.2	12.8	7.8	7.0	7.3
26	15.7	14.1	14.8	11.4	10.8	11.1	14.4	13.2	13.8	7.4	6.0	6.7
27	16.1	14.3	15.3	11.6	10.9	11.3	13.4	12.5	12.8	7.0	5.7	6.3
28	17.1	15.3	16.4	11.8	11.1	11.4	12.6	11.9	12.3	7.7	6.4	7.0
29	16.6	15.2	16.0	12.3	11.6	11.9	11.9	10.8	11.3	7.5	6.0	6.5
30	15.8	14.9	15.2	12.9	11.9	12.4	11.1	10.2	10.6	6.3	5.5	6.0
31	16.7	15.4	16.0	---	---	---	11.3	10.4	10.8	5.9	4.9	5.4
Month	---	---	---	17.2	10.8	13.8	14.4	6.4	10.7	15.2	4.9	9.9

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.4	5.0	5.2	12.5	11.3	11.9	18.2	17.0	17.6	23.0	21.3	22.2
2	5.7	5.0	5.2	14.6	12.4	13.6	19.5	17.9	18.6	24.4	21.5	22.8
3	6.0	5.4	5.7	14.1	13.3	13.8	21.0	18.9	19.9	23.6	22.6	23.2
4	6.6	5.4	5.9	13.5	12.7	13.1	21.2	20.0	20.6	22.6	20.4	21.4
5	6.3	5.4	5.7	12.8	11.8	12.3	20.8	18.9	19.7	21.2	20.0	20.7
6	5.5	4.4	4.9	12.5	11.5	12.1	19.4	17.4	18.2	21.5	19.2	20.6
7	6.3	4.5	5.1	12.7	10.8	11.8	18.3	15.5	17.0	19.2	17.4	18.0
8	6.4	5.0	5.4	12.9	11.3	12.0	15.9	14.5	15.3	18.7	16.9	17.8
9	5.9	4.9	5.4	12.2	10.8	11.5	15.7	14.2	14.8	20.5	18.2	19.1
10	6.0	4.9	5.5	12.8	11.4	12.0	16.2	13.9	14.8	21.5	19.2	19.7
11	6.2	4.9	5.7	13.4	12.2	12.7	15.4	14.6	14.8	22.3	19.6	20.7
12	6.7	5.5	6.1	14.1	12.2	12.7	17.2	14.8	15.9	24.4	21.9	22.9
13	7.5	6.3	6.8	15.1	12.7	13.6	17.2	15.8	16.5	23.8	21.4	22.6
14	8.6	7.5	8.0	15.0	13.8	14.4	17.6	16.3	16.9	21.5	19.8	20.6
15	7.9	6.7	7.2	16.4	14.2	15.2	18.4	17.1	17.7	23.0	20.7	21.8
16	7.2	6.4	6.7	16.4	15.6	16.2	---	---	---	23.6	21.4	22.5
17	7.2	5.9	6.7	15.6	13.3	14.5	---	---	---	22.5	21.6	22.2
18	7.1	6.0	6.6	13.6	12.3	12.9	---	---	---	21.7	20.8	21.1
19	6.6	5.4	6.0	13.8	12.0	12.9	---	---	---	22.3	20.3	21.3
20	7.9	5.7	6.7	14.4	12.7	13.4	16.3	14.7	15.5	22.9	20.6	21.6
21	8.5	7.5	8.1	14.2	13.5	13.8	18.6	15.1	16.6	25.2	21.5	22.1
22	9.7	8.2	8.9	15.2	13.4	14.2	19.5	16.1	17.3	24.2	22.2	23.1
23	9.7	8.4	9.0	16.0	14.8	15.3	19.0	16.9	17.8	23.9	22.8	23.3
24	9.5	8.2	8.9	17.0	15.3	16.0	20.0	17.5	18.6	24.6	22.5	23.5
25	9.9	9.1	9.4	17.9	16.6	17.2	21.1	18.7	19.8	25.2	23.1	23.7
26	12.7	9.8	10.9	18.6	16.8	17.5	21.6	19.8	20.5	25.7	23.3	24.3
27	13.4	10.4	11.7	19.1	17.1	17.9	22.7	20.9	21.8	26.1	24.0	24.9
28	12.5	11.2	11.9	19.7	18.1	18.8	22.8	21.8	22.3	26.2	24.5	25.3
29	---	---	---	18.9	17.3	18.0	22.5	21.4	22.0	28.7	25.2	26.4
30	---	---	---	19.6	16.2	17.7	23.6	21.4	22.4	27.4	25.6	26.8
31	---	---	---	18.2	17.0	17.5	---	---	---	27.1	25.7	26.5
Month	13.4	4.4	7.1	19.7	10.8	14.4	---	---	---	28.7	16.9	22.3

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	28.1	25.8	26.7	29.2	28.1	28.7	30.7	28.3	28.9	30.0	28.8	29.3
2	27.0	26.0	26.5	28.8	26.9	27.8	30.0	28.4	29.1	29.2	26.7	27.9
3	26.0	25.2	25.5	28.0	26.3	27.2	29.6	28.4	29.1	29.5	27.1	28.2
4	26.6	24.5	25.4	28.0	26.1	27.2	31.0	28.8	29.5	28.7	26.8	27.7
5	27.0	25.6	26.2	29.0	27.2	28.0	30.5	29.8	30.1	28.6	26.9	28.0
6	27.5	25.8	26.6	29.1	27.8	28.3	31.0	29.8	30.3	29.6	27.6	28.3
7	28.0	26.1	27.0	29.1	27.6	28.1	31.6	29.9	30.7	29.1	27.4	28.3
8	28.8	26.9	27.7	28.7	27.5	28.0	31.8	30.4	30.9	28.6	26.8	27.6
9	30.2	27.6	28.6	30.0	27.8	28.8	32.2	31.0	31.5	27.6	27.0	27.2
10	29.3	27.6	28.6	29.8	28.4	29.3	31.9	30.8	31.2	27.9	26.5	27.0
11	28.4	27.1	27.5	29.5	27.7	28.7	31.1	29.4	30.3	28.5	26.9	27.7
12	28.4	26.6	27.2	29.4	28.1	28.8	30.6	28.4	29.3	28.0	27.0	27.5
13	27.3	26.1	26.6	30.5	28.8	29.3	32.0	28.5	29.7	27.3	26.5	26.8
14	26.3	24.5	25.2	29.5	28.0	28.8	31.3	29.3	30.1	27.3	26.0	26.7
15	25.7	23.4	24.7	30.1	28.9	29.4	30.7	29.2	30.0	27.7	26.5	27.1
16	26.2	24.3	25.1	30.4	28.8	29.4	31.4	29.6	30.4	26.7	25.0	25.7
17	27.8	25.0	26.0	30.2	28.9	29.3	30.6	29.6	30.0	25.1	23.9	24.6
18	28.1	25.4	26.6	30.6	28.6	29.5	30.6	29.0	29.8	24.4	23.6	24.0
19	28.5	26.8	27.5	30.3	29.2	29.7	29.9	28.3	29.1	24.2	23.5	23.9
20	28.6	27.5	28.1	31.7	28.8	30.2	30.2	28.9	29.4	24.2	23.9	24.1
21	28.9	26.9	27.7	29.1	27.9	28.4	31.2	29.4	30.0	25.0	23.8	24.1
22	28.9	26.5	27.5	28.2	26.5	27.3	31.6	29.3	30.2	25.7	24.3	24.9
23	28.4	26.1	27.2	28.0	26.2	27.0	30.8	29.5	30.0	26.1	24.4	25.6
24	28.2	26.3	27.2	28.0	27.1	27.5	30.2	29.1	29.7	27.3	24.3	25.9
25	29.1	27.1	27.8	28.4	26.9	27.5	31.6	29.9	30.5	26.5	24.6	25.4
26	30.0	27.7	28.4	28.7	27.5	28.0	30.8	29.8	30.3	26.5	25.5	25.9
27	30.4	28.5	29.3	29.9	28.6	29.1	30.1	29.0	29.5	27.1	26.0	26.5
28	29.8	28.8	29.3	29.8	28.3	29.2	30.6	28.6	29.5	27.9	26.9	27.3
29	30.4	28.8	29.3	30.1	28.7	29.2	30.6	28.5	29.6	26.9	24.4	25.4
30	30.0	28.1	29.0	29.5	28.6	29.0	30.5	28.1	29.5	25.6	23.4	24.1
31	---	---	---	29.6	27.8	28.5	30.0	28.5	29.3	---	---	---
Month	30.4	23.4	27.2	31.7	26.1	28.6	32.2	28.1	29.9	30.0	23.4	26.4

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	24.0	23.4	23.8	17.1	16.5	16.9	14.3	12.8	13.6	12.5	11.2	11.8
2	23.9	23.6	23.8	16.9	16.4	16.7	14.3	13.4	13.8	12.2	11.4	11.8
3	23.9	23.8	23.9	16.6	14.7	15.5	13.4	12.5	12.8	11.4	10.8	11.1
4	---	---	---	15.9	15.2	15.6	12.6	11.9	12.2	11.6	10.8	11.1
5	---	---	---	15.9	15.6	15.8	11.9	10.8	11.4	13.0	11.5	12.1
6	---	---	---	15.9	15.4	15.6	10.9	10.3	10.6	14.5	12.8	13.7
7	23.9	22.6	23.4	15.8	15.0	15.6	11.2	10.3	10.8	14.2	13.6	13.9
8	23.3	22.2	22.8	15.6	14.8	15.2	11.2	8.3	9.5	15.2	14.2	14.7
9	22.7	21.6	22.2	15.7	15.0	15.4	8.5	7.2	7.9	14.4	12.3	13.5
10	22.4	21.8	22.1	15.7	15.3	15.5	7.5	6.6	7.1	12.3	10.7	11.8
11	22.5	22.2	22.4	15.8	15.3	15.6	7.4	6.6	6.9	10.8	10.1	10.4
12	22.5	22.1	22.4	16.1	14.6	15.6	7.7	6.7	7.1	10.7	9.7	10.1
13	22.5	21.8	22.4	14.9	14.5	14.7	8.5	7.5	7.9	11.4	9.9	10.5
14	22.4	21.6	22.1	15.0	14.8	14.9	9.3	8.3	8.7	12.2	10.5	11.3
15	22.1	21.2	21.9	15.3	14.9	15.0	10.4	9.2	9.6	12.9	11.2	12.0
16	22.0	21.0	21.8	16.8	15.3	16.0	10.5	9.6	10	12.6	12.0	12.3
17	21.9	20.8	21.3	16.0	15.3	15.5	10.6	9.7	10.1	12.0	10.2	10.8
18	21.4	20.0	20.6	15.5	14.6	15.1	11.3	10.0	10.6	10.2	9.0	9.5
19	21.1	20.7	20.9	16.3	14.7	16.0	12.0	11.2	11.7	9.2	8.4	8.8
20	21.7	20.8	21.2	16.2	15.7	16.0	12.1	11.8	12.0	9.4	8.1	8.7
21	21.4	20.7	21.0	15.8	12.8	14.1	12.1	11.6	12.0	8.9	7.8	8.1
22	21.0	20.8	20.9	13.1	12.2	12.6	12.1	11.2	11.8	7.9	7.4	7.6
23	21.0	18.8	20.2	12.2	11.6	11.8	12.7	11.5	11.8	7.7	7.2	7.5
24	19.1	16.8	17.8	11.9	11.3	11.6	12.9	11.8	12.4	7.8	7.0	7.4
25	17.3	15.4	16.3	11.6	11.0	11.4	13.8	12.3	12.8	7.8	6.9	7.3
26	16.8	16.0	16.5	11.5	10.8	11.2	14.3	13.2	13.7	7.4	6.0	6.7
27	16.7	15.3	16.3	11.7	11.0	11.4	13.3	12.5	12.8	7.0	5.6	6.3
28	17.2	15.5	16.4	11.9	11.2	11.5	12.6	11.8	12.2	7.7	6.4	6.9
29	16.9	16.2	16.6	12.3	11.7	12.0	11.8	10.8	11.2	7.4	5.9	6.4
30	16.7	15.8	16.5	12.9	12.0	12.4	11.2	10.2	10.5	6.3	5.5	5.9
31	17.1	16.4	16.8	---	---	---	11.3	10.4	10.8	5.9	4.9	5.3
Month	---	---	---	17.1	10.8	14.4	14.3	6.6	10.8	15.2	4.9	9.8

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.4	4.9	5.2	12.6	11.3	11.9	18.2	17.0	17.6	21.4	18.3	19.2
2	5.6	5.0	5.2	14.7	12.5	13.6	19.1	17.8	18.3	24.2	20.0	21.5
3	6.0	5.3	5.6	14.2	13.3	13.8	20.7	18.5	19.5	22.9	20.0	21.5
4	6.5	5.4	5.9	13.6	12.7	13.1	21.1	19.8	20.5	20.8	19.6	20.0
5	6.2	5.4	5.7	12.8	11.6	12.3	20.8	18.9	19.7	21.2	19.7	20.4
6	5.4	4.5	4.9	12.5	11.6	12.1	19.0	17.5	17.9	21.1	19.2	20.4
7	6.2	4.5	5.1	12.7	10.8	11.8	18.2	15.9	17.0	19.3	17.4	18.1
8	6.2	5.0	5.4	12.8	11.2	11.9	16.6	14.8	15.5	17.8	16.9	17.3
9	5.9	4.9	5.3	12.2	10.8	11.5	15.6	14.8	15.3	17.9	17.5	17.7
10	5.9	4.9	5.4	12.8	11.4	11.9	15.8	14.8	15.1	18.1	17.8	18.0
11	6.2	4.9	5.6	13.4	12.2	12.7	15.4	14.6	14.8	18.9	17.8	18.1
12	6.7	5.5	6.0	13.6	12.2	12.6	17.1	14.8	15.8	19.0	18.2	18.5
13	7.4	6.0	6.6	14.5	12.7	13.2	17.1	15.7	16.4	21.3	18.2	19.6
14	8.6	7.4	7.9	15.0	13.6	14.2	17.5	16.2	16.9	20.5	20.0	20.3
15	7.8	6.7	7.2	16.4	14.2	15.1	18.3	17.1	17.7	22.4	20.1	20.9
16	7.2	6.4	6.6	16.5	15.6	16.1	---	---	---	23.4	21.5	22.1
17	7.2	5.9	6.6	15.7	13.3	14.5	---	---	---	22.6	21.9	22.3
18	7.1	6.0	6.6	13.4	12.3	12.8	---	---	---	22.0	21.3	21.6
19	6.5	5.3	6.0	13.8	12.0	12.9	---	---	---	21.6	21.0	21.4
20	7.8	5.7	6.7	13.8	12.7	13.2	16.3	14.7	15.4	21.3	21.0	21.2
21	8.4	7.5	7.9	14.2	13.4	13.8	17.4	15.1	16.1	21.6	20.7	20.9
22	9.8	7.9	8.8	14.9	13.4	13.8	17.3	15.8	16.5	22.2	21.1	21.5
23	9.7	8.5	9.1	16.0	14.6	15.1	19.0	16.7	17.5	22.6	21.4	21.9
24	9.6	8.4	8.9	16.0	15.3	15.6	19.9	17.5	18.2	22.7	22.0	22.3
25	10.0	9.1	9.5	18.0	15.9	17.1	21.1	18.6	19.5	23.9	22.2	22.8
26	12.2	9.9	10.5	18.2	16.7	17.2	21.6	19.7	20.4	24.8	23.0	23.6
27	12.4	10.4	11.1	18.7	17.0	17.5	22.6	20.9	21.7	25.6	23.7	24.3
28	12.5	11.3	11.9	19.1	18.1	18.4	22.8	21.7	22.3	25.2	24.7	24.9
29	---	---	---	18.9	17.0	18.0	22.3	20.0	21.2	25.2	24.2	24.6
30	---	---	---	17.7	16.3	16.9	20.1	18.9	19.3	25.3	24.1	24.5
31	---	---	---	17.9	16.8	17.3	---	---	---	26.7	24.5	25.5
Month	12.5	4.5	7.0	19.1	10.8	14.3	---	---	---	26.7	16.9	21.2

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	27.2	25.6	26.2	28.7	27.4	28.2	28.3	28.1	28.2	29.4	29.0	29.1
2	26.7	26.1	26.3	28.2	27.2	27.4	28.6	28.2	28.3	29.1	27.8	28.7
3	26.1	25.2	25.5	27.8	27.3	27.5	29.1	28.2	28.6	28.8	27.8	28.3
4	26.5	24.5	25.3	27.7	27.1	27.3	29.3	28.6	28.8	28.6	27.3	27.9
5	26.6	25.6	25.8	28.7	27.2	27.7	29.6	28.6	28.9	28.4	27.8	28.1
6	26.4	25.8	26.1	28.3	27.5	27.9	30.2	28.8	29.6	28.5	27.9	28.1
7	27.8	26.0	26.6	27.8	27.1	27.4	30.2	29.4	29.7	28.4	27.5	28.0
8	27.8	26.9	27.2	27.9	27.1	27.4	30.6	29.5	30.1	28.1	27.1	27.7
9	27.9	27.2	27.5	28.7	27.1	27.4	30.4	29.5	29.9	28.1	27.2	27.5
10	27.3	27.0	27.1	29.2	27.3	28.0	31.3	29.6	30.6	27.4	26.5	26.9
11	27.4	26.9	27.0	29.2	28.1	28.5	31.0	30.3	30.7	28.3	27.1	27.5
12	27.1	26.3	26.7	28.9	28.2	28.5	30.4	30.0	30.2	28.1	27.3	27.6
13	26.3	26.2	26.2	28.3	28.0	28.1	30.1	29.8	29.9	27.4	26.6	27.0
14	26.3	25.7	26.0	28.1	27.6	27.7	29.8	29.2	29.4	27.3	26.6	27.0
15	25.7	25.2	25.5	28.1	27.5	27.7	30.4	29.2	29.4	27.4	27.0	27.2
16	25.4	24.7	25.2	28.9	27.5	27.8	30.4	29.5	29.9	27.1	25.6	26.2
17	25.3	24.9	25.1	28.0	27.5	27.7	30.3	29.4	29.8	26.0	24.1	25.1
18	26.1	24.9	25.1	27.8	27.4	27.5	29.9	29.3	29.6	24.7	23.8	24.3
19	27.2	25.2	25.8	27.8	27.5	27.6	29.9	29.3	29.5	24.3	23.6	23.9
20	28.0	26.6	27.4	28.2	27.7	27.8	29.8	29.3	29.5	24.1	24.0	24.0
21	27.5	26.4	26.9	28.2	28.0	28.1	30.1	29.6	29.8	24.1	24.0	24.0
22	26.9	25.6	26.4	28.0	27.7	27.9	30.2	29.7	29.9	24.7	24.1	24.2
23	26.1	25.6	25.8	27.8	27.4	27.5	29.8	29.4	29.6	24.5	24.1	24.3
24	27.4	25.8	26.2	27.5	27.2	27.3	29.8	29.3	29.5	24.5	24.2	24.4
25	28.5	26.7	27.5	27.2	26.9	27.1	30.6	29.3	29.7	25.5	24.5	24.7
26	28.3	27.2	27.8	27.0	26.7	26.9	30.0	29.4	29.7	25.6	24.8	25.0
27	29.4	27.6	28.2	27.3	26.8	26.9	29.7	29.4	29.6	26.7	25.0	25.4
28	29.8	28.1	28.9	28.0	27.0	27.2	29.7	29.6	29.6	26.5	25.6	25.9
29	29.6	28.5	29.0	28.0	27.3	27.5	29.7	29.4	29.5	25.8	25.5	25.7
30	28.9	28.5	28.7	28.0	27.6	27.7	29.5	29.3	29.4	25.8	24.2	25.0
31	---	---	---	28.3	27.7	28.1	29.5	29.1	29.2	---	---	---
Month	29.8	24.5	26.6	29.2	26.7	27.7	31.3	28.1	29.6	29.4	23.6	26.3

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.8	5.6	6.2	7.1	6.5	6.9	8.0	7.3	7.7	9.1	8.6	8.8
2	7.0	1.6	5.1	7.4	6.6	7.1	7.6	7.2	7.4	9.0	8.4	8.7
3	4.7	1.1	2.8	8.1	6.6	7.4	7.9	7.3	7.6	8.8	8.4	8.6
4	---	---	---	8.2	7.3	7.7	7.9	7.4	7.7	8.8	8.3	8.6
5	---	---	---	7.9	4.6	7.0	7.8	7.4	7.6	8.8	8.4	8.6
6	---	---	---	8.1	2.6	6.2	8.2	7.5	7.9	9.0	8.1	8.6
7	8.0	4.9	6.1	8.1	3.2	6.9	9.2	8.0	8.3	8.2	7.9	8.1
8	7.8	5.9	6.8	8.4	7.7	8.1	10.1	8.3	9.5	8.2	7.8	8.0
9	7.4	4.9	6.1	8.2	6.7	7.8	9.7	9.1	9.4	8.5	7.6	8.0
10	6.6	4.2	5.7	7.8	5.9	7.0	10.1	9.4	9.7	9.5	8.1	8.7
11	6.2	3.9	4.8	7.2	4.8	6.4	10.3	9.9	10.1	9.0	8.5	8.7
12	5.3	1.3	4.3	7.8	6.6	7.2	10.6	10.2	10.4	9.1	8.4	8.9
13	5.6	2.1	4.3	8.7	7.3	8.1	10.6	10.1	10.4	9.4	8.9	9.1
14	5.5	3.0	4.5	8.0	7.0	7.3	10.4	10.0	10.3	9.5	9.0	9.2
15	5.7	3.1	4.8	7.2	6.0	6.5	10.2	9.9	10.1	9.5	9.1	9.3
16	5.4	1.0	3.7	8.0	6.3	7.2	10.0	9.7	9.9	9.7	9.0	9.3
17	6.1	2.7	4.1	7.2	6.1	6.6	9.9	9.6	9.8	10.1	9.4	9.8
18	6.4	3.4	5.2	6.6	5.9	6.2	9.9	9.5	9.7	9.9	9.4	9.6
19	6.7	2.0	4.2	6.3	6.0	6.1	9.6	9.0	9.3	10.4	9.6	10
20	6.9	4.6	5.6	7.4	4.4	6.4	9.5	8.9	9.2	10.7	9.6	10.3
21	7.4	4.3	5.8	9.1	5.7	7.8	9.4	7.8	8.7	10.7	9.9	10.2
22	6.8	3.2	5.3	9.3	8.0	8.5	9.3	8.3	8.9	10.7	10.2	10.5
23	5.9	3.9	5.1	8.3	7.6	8.0	9.4	8.6	9.1	10.8	10.1	10.5
24	6.6	4.7	5.8	7.7	7.4	7.5	9.1	8.2	8.7	---	---	---
25	7.5	5.2	6.6	7.6	7.3	7.4	8.9	7.9	8.4	---	---	---
26	9.2	4.7	7.4	7.6	7.4	7.5	8.2	7.7	8.0	---	---	---
27	9.6	5.9	7.6	7.7	7.5	7.6	8.3	7.6	8.0	---	---	---
28	8.8	7.8	8.4	7.8	7.5	7.6	8.1	7.4	7.6	---	---	---
29	8.6	7.6	8.3	7.8	7.5	7.6	8.1	7.5	7.8	---	---	---
30	8.5	7.4	7.9	7.9	7.5	7.7	8.4	6.8	8.2	---	---	---
31	7.7	6.4	7.0	---	---	---	8.9	8.2	8.6	---	---	---
Month	---	---	---	9.3	2.6	7.2	10.6	6.8	8.8	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	11.4	10.5	11.0	10.0	8.4	9.1	8.5	6.9	7.7
2	---	---	---	10.5	9.1	9.6	10.3	8.6	9.3	9.2	6.4	7.5
3	---	---	---	9.8	9.0	9.5	10.9	9.1	9.9	9.4	7.4	8.2
4	---	---	---	9.7	8.9	9.2	9.6	8.6	9.3	8.4	6.8	7.6
5	---	---	---	9.9	9.1	9.5	9.3	7.8	8.6	7.1	5.0	6.3
6	---	---	---	10.0	8.6	9.6	10.2	8.0	9.0	8.1	6.3	7.2
7	---	---	---	9.9	9.4	9.7	9.4	7.9	8.6	8.9	7.7	8.4
8	12.1	11.7	11.9	10.2	9.7	9.9	9.8	8.6	9.2	9.2	6.9	8.5
9	12.1	11.5	11.8	10.1	9.5	9.8	10.8	9.1	9.8	10.0	6.1	7.5
10	12.0	11.7	11.8	9.9	9.5	9.7	10.3	9.1	9.7	9.6	4.9	6.8
11	12.1	11.7	11.8	9.8	9.5	9.7	10.1	9.3	9.6	9.1	5.0	6.0
12	12.0	11.6	11.8	10.4	9.8	10.1	9.8	9.2	9.4	9.2	5.6	6.8
13	11.9	11.5	11.7	10.8	9.8	10.2	10.4	9.1	9.7	9.9	6.3	7.8
14	11.7	11.3	11.4	10.5	9.9	10.2	10.7	9.5	10.1	10.6	4.2	7.1
15	11.8	10.9	11.3	10.6	9.6	10.1	10.2	8.5	9.1	---	---	---
16	11.7	11.2	11.4	10.0	8.7	9.6	---	---	---	---	---	---
17	11.6	11.1	11.4	9.7	8.3	9.3	---	---	---	---	---	---
18	11.8	11.1	11.4	10.0	8.8	9.4	---	---	---	---	---	---
19	12.0	11.1	11.7	10.5	9.2	9.8	---	---	---	---	---	---
20	11.9	11.4	11.7	9.9	9.0	9.4	7.9	6.6	7.0	---	---	---
21	11.8	11.3	11.5	10.1	9.3	9.7	7.2	6.3	6.8	---	---	---
22	11.4	11.0	11.2	10.0	9.0	9.4	7.2	6.4	6.8	---	---	---
23	11.1	10.6	10.9	9.3	8.7	9.0	7.6	6.5	7.0	---	---	---
24	11.3	10.8	11.0	8.9	8.4	8.7	8.1	7.2	7.6	11.4	7.9	9.5
25	11.2	10.7	11.0	9.0	8.1	8.6	8.0	7.1	7.5	11.3	7.8	9.4
26	11.5	10.6	11.0	8.7	8.0	8.4	8.4	7.2	7.7	11.0	6.9	8.7
27	11.8	10.6	11.3	9.5	7.9	8.5	8.2	7.3	7.8	10.9	5.7	8.7
28	11.7	10.9	11.3	10.0	8.3	9.0	8.7	7.4	8.1	---	---	---
29	---	---	---	9.0	8.4	8.7	9.0	7.4	8.3	---	---	---
30	---	---	---	10.6	8.0	9.2	8.7	7.0	7.8	---	---	---
31	---	---	---	9.6	8.1	8.7	---	---	---	9.7	7.3	8.6
Month	---	---	---	11.4	7.9	9.5	---	---	---	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	9.6	7.2	8.3	8.6	0.1	6.6	12.3	0.4	4.3	4.8	0.1	0.9
2	9.1	6.4	7.5	8.1	0.1	6.1	6.5	0.3	3.1	5.2	0.1	3.2
3	7.5	5.9	6.7	10.7	4.5	8.6	8.0	2.7	6.0	8.2	1.2	4.1
4	7.5	6.1	6.8	10.7	8.2	9.3	10.2	4.2	6.8	7.5	3.3	5.6
5	8.4	6.6	7.3	11.6	6.3	9.2	9.7	3.0	6.9	7.2	1.5	4.5
6	8.9	6.5	7.7	10.5	7.2	8.7	8.3	4.3	6.7	9.2	3.4	6.7
7	9.7	7.5	8.5	10.1	5.4	8.0	10.9	4.6	7.6	12.4	6.2	8.9
8	9.6	6.6	7.7	9.8	4.6	6.9	10.1	5.0	7.2	10.1	7.2	8.7
9	10.9	5.4	8.1	10.2	1.1	7.3	9.6	4.3	7.4	8.8	5.5	6.8
10	9.8	3.4	8.1	11.2	6.2	8.1	7.2	3.4	5.2	8.2	3.9	5.4
11	9.1	2.9	7.1	7.9	5.6	6.6	7.8	3.9	5.8	9.4	5.0	7.2
12	9.9	5.1	7.7	9.2	4.3	6.5	8.8	2.5	5.7	7.6	5.1	6.7
13	8.8	1.3	6.7	8.0	2.5	6.2	13.2	1.0	6.9	8.9	5.4	6.8
14	8.7	5.2	7.4	8.0	1.9	4.8	8.8	0.1	4.9	8.8	5.3	6.9
15	7.9	4.7	6.4	9.8	2.9	6.3	10.6	0.1	5.6	10.2	3.8	7.3
16	9.2	4.8	6.4	10.6	6.3	8.5	10.2	6.9	8.6	10.4	7.6	8.5
17	9.2	4.6	6.9	10.9	6.3	8.3	7.9	4.2	6.2	9.5	6.4	8.0
18	11.0	4.2	7.1	11.5	6.3	8.7	10.7	4.8	7.7	8.9	5.5	7.6
19	10.1	4.7	7.9	12.5	4.4	7.4	9.3	5.6	7.2	8.6	5.5	7.2
20	8.8	5.3	7.6	11.4	0.2	7.4	8.4	3.5	6.2	7.8	2.9	5.5
21	11.3	3.8	7.9	7.8	0.0	3.6	9.3	2.5	6.6	6.7	1.1	3.6
22	9.5	3.3	6.9	8.9	0.0	4.0	8.3	2.6	5.3	7.8	0.6	3.9
23	8.6	0.5	5.5	10.4	0.0	5.0	8.3	2.0	4.5	8.1	0.1	3.8
24	8.6	4.7	7.5	9.9	0.0	5.3	6.5	1.8	4.4	9.8	0.1	4.0
25	8.8	7.0	7.8	11.5	0.0	6.4	10.0	0.7	6.5	8.3	0.0	3.0
26	11.6	5.4	7.9	8.7	0.0	4.6	10.3	1.7	6.4	10.8	3.6	7.8
27	10.8	5.5	8.5	10.3	1.6	7.0	6.8	0.5	4.1	10.4	4.3	8.2
28	8.3	4.9	7.1	9.5	1.6	7.6	9.9	0.0	3.8	10.9	6.6	9.0
29	8.0	4.8	6.8	10.2	3.7	6.4	10.2	0.0	4.4	9.4	1.5	6.3
30	8.4	5.0	6.6	12.0	4.9	8.6	7.3	0.0	1.8	8.4	2.1	6.8
31	---	---	---	11.1	0.0	6.1	7.3	0.1	1.3	---	---	---
Month	11.6	0.5	7.3	12.5	0.0	6.9	13.2	0.0	5.6	12.4	0.0	6.1

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	0.6	0.0	0.1	4.4	2.6	3.6	8.0	7.1	7.6	7.5	6.6	7.0
2	1.1	0.0	0.2	5.4	3.0	3.9	7.5	7.1	7.3	7.2	6.9	7.0
3	0.2	0.0	0.1	8.3	3.8	6.9	7.8	7.1	7.4	7.4	7.0	7.2
4	---	---	---	7.2	3.6	4.9	7.7	7.2	7.5	7.7	7.1	7.4
5	---	---	---	5.5	3.1	3.5	7.6	7.2	7.4	7.9	7.5	7.7
6	---	---	---	4.0	3.1	3.5	7.8	7.2	7.6	8.3	7.5	7.8
7	4.3	0.1	1.5	4.8	2.5	3.2	8.8	7.5	7.9	7.5	7.3	7.4
8	6.9	0.3	2.9	8.9	2.6	5.3	9.8	6.8	9.0	7.7	7.4	7.5
9	7.0	2.8	5.1	---	---	---	9.4	8.7	9.0	7.7	7.2	7.4
10	6.5	3.5	5.5	---	---	---	9.5	9.0	9.3	8.6	7.6	8.0
11	5.1	3.2	4.2	---	---	---	9.8	9.4	9.6	8.3	7.9	8.0
12	4.8	0.9	2.8	---	---	---	10.0	9.6	9.8	8.4	7.8	8.2
13	4.0	1.4	2.8	---	---	---	9.9	9.5	9.7	8.8	8.3	8.5
14	3.2	0.8	2.2	---	---	---	9.7	9.3	9.5	8.8	8.4	8.6
15	2.6	0.1	1.5	---	---	---	9.6	9.2	9.4	9.0	8.6	8.7
16	2.3	0.1	1.1	8.2	6.0	7.2	9.3	5.3	8.3	9.0	8.7	8.8
17	3.3	0.4	1.6	7.2	6.2	6.6	9.1	7.0	8.5	9.7	9.0	9.4
18	5.7	0.0	2.4	6.6	6.0	6.3	8.9	3.5	5.6	9.6	9.2	9.4
19	4.4	0.3	1.4	6.4	4.5	5.4	3.9	2.5	3.1	10.2	9.5	9.9
20	6.1	0.5	3.0	4.5	4.1	4.3	3.6	3.2	3.4	10.4	9.1	10.0
21	4.9	1.2	2.8	9.0	4.0	6.6	3.4	2.9	3.2	10.4	9.9	10.2
22	2.5	0.3	1.3	9.2	7.8	8.4	9.3	2.4	3.8	10.7	10.2	10.5
23	7.1	0.4	3.7	8.2	7.5	7.9	9.2	5.3	7.9	10.6	10.1	10.4
24	8.1	4.7	6.8	7.6	7.2	7.4	9.0	2.2	6.5	---	---	---
25	8.9	5.4	7.4	7.5	7.1	7.3	8.6	3.2	7.6	---	---	---
26	7.1	3.7	6.1	7.4	7.3	7.4	7.7	7.0	7.3	---	---	---
27	8.5	5.0	6.0	7.6	7.3	7.5	7.0	6.4	6.7	---	---	---
28	9.0	7.2	8.4	7.6	7.3	7.4	6.4	5.9	6.0	---	---	---
29	8.7	7.5	8.3	7.5	7.3	7.4	6.2	6.0	6.1	---	---	---
30	8.6	6.2	7.2	7.7	7.2	7.4	6.3	5.7	6.3	---	---	---
31	6.6	3.0	4.8	---	---	---	6.8	6.3	6.5	---	---	---
Month	---	---	---	---	---	---	10.0	2.2	7.3	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	2.1	0.6	1.0
2	---	---	---	10.8	9.3	10.0	---	---	---	7.4	0.2	2.5
3	---	---	---	10.2	9.2	9.8	---	---	---	4.5	0.3	2.1
4	---	---	---	10.1	9.1	9.5	8.3	5.4	6.8	2.6	0.0	0.4
5	---	---	---	10.1	9.4	9.7	8.4	5.8	7.3	2.7	0.0	0.8
6	---	---	---	10.2	8.8	9.7	8.3	5.7	6.8	7.6	0.7	5.3
7	---	---	---	10.1	9.5	9.8	8.6	5.8	7.3	8.4	6.1	7.4
8	12.0	11.6	11.8	10.3	9.9	10.0	9.1	4.3	6.1	8.2	5.1	7.0
9	12.0	11.5	11.8	10.2	9.6	10	7.7	2.9	4.9	5.3	1.8	4.0
10	12.0	11.8	11.9	10.0	9.6	9.8	7.8	1.9	3.9	4.2	0.8	1.7
11	12.0	11.7	11.8	10.1	9.5	9.8	9.2	3.0	7.5	3.0	0.1	1.0
12	11.9	11.6	11.8	10.6	9.9	10.2	9.2	6.4	7.8	1.9	0.1	0.7
13	11.8	11.5	11.7	10.6	9.9	10.2	8.9	6.1	7.6	5.1	0.0	1.7
14	11.6	11.3	11.4	10.6	9.9	10.2	9.9	5.5	8.1	2.1	0.0	0.5
15	11.7	10.9	11.3	10.6	9.6	10.1	9.6	6.8	8.4	6.1	0.0	1.8
16	11.6	11.3	11.4	10.0	8.9	9.6	---	---	---	8.3	0.6	5.6
17	11.5	11.2	11.4	9.8	8.4	9.4	---	---	---	7.5	4.4	6.4
18	11.8	11.2	11.5	10.0	9.2	9.6	---	---	---	6.7	1.2	4.7
19	12.0	11.2	11.8	10.6	9.3	9.9	---	---	---	5.0	1.5	2.6
20	11.8	11.6	11.7	9.9	9.1	9.5	7.1	6.5	6.8	2.8	0.3	1.6
21	11.7	11.4	11.6	10.2	9.3	9.8	6.8	6.2	6.5	3.4	0.1	0.6
22	---	---	---	9.9	9.0	9.3	6.6	6.2	6.4	6.7	0.4	1.8
23	---	---	---	9.3	8.8	9.0	7.4	6.3	6.7	4.2	0.1	1.1
24	---	---	---	9.0	8.5	8.8	7.4	6.7	7.2	7.8	0.2	2.0
25	---	---	---	9.5	8.5	8.9	7.7	6.6	7.0	7.7	0.5	2.6
26	---	---	---	9.0	8.2	8.7	8.0	6.5	7.2	7.3	1.1	4.2
27	---	---	---	9.8	8.3	8.8	7.8	7.0	7.4	8.1	1.6	4.5
28	---	---	---	10.0	8.5	9.2	8.1	6.8	7.4	7.2	4.2	5.9
29	---	---	---	10.1	6.2	9.3	7.8	2.3	6.0	6.8	0.3	2.9
30	---	---	---	10.6	3.6	8.7	2.7	1.2	1.9	1.2	0.0	0.3
31	---	---	---	---	---	---	---	---	---	6.5	0.0	2.5
Month	---	---	---	---	---	---	---	---	---	8.4	0.0	2.8

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.5	1.4	3.6	2.2	0.1	0.4	0.5	0.0	0.0	0.0	0.0	0.0
2	5.6	1.2	3.1	0.3	0.1	0.1	0.2	0.0	0.0	2.8	0.0	0.3
3	6.1	2.5	4.5	0.6	0.0	0.1	0.5	0.0	0.0	1.4	0.0	0.4
4	6.1	2.7	4.2	0.8	0.0	0.0	1.5	0.0	0.1	3.4	0.0	1.2
5	5.1	1.8	3.3	5.8	0.0	1.6	1.1	0.0	0.0	2.1	0.0	0.6
6	5.2	1.7	3.5	3.1	0.0	0.3	5.2	0.0	1.2	2.4	0.0	0.7
7	6.2	1.2	3.5	0.1	0.0	0.0	1.7	0.0	0.1	6.0	0.0	2.2
8	5.2	1.6	3.6	0.0	0.0	0.0	3.6	0.0	0.9	6.8	0.2	4.2
9	5.2	0.4	3.4	0.7	0.0	0.0	0.4	0.0	0.1	7.2	2.6	5.0
10	1.8	0.1	0.9	2.5	0.0	0.2	5.1	0.0	2.4	6.0	2.5	4.4
11	1.4	0.0	0.3	7.1	0.0	1.8	3.3	0.2	2.1	8.5	2.7	5.7
12	0.1	0.0	0.0	5.3	0.1	2.3	1.8	0.1	0.8	6.8	2.7	5.1
13	0.6	0.0	0.1	0.3	0.1	0.1	0.2	0.0	0.1	6.6	2.7	5.1
14	0.3	0.0	0.0	0.1	0.0	0.1	0.4	0.0	0.1	6.8	0.6	3.6
15	0.8	0.0	0.1	0.1	0.0	0.1	4.5	0.0	0.3	8.0	0.5	3.9
16	4.0	0.0	1.0	2.5	0.0	0.2	6.4	0.0	2.0	8.9	4.1	6.6
17	4.5	0.0	1.6	0.1	0.0	0.1	5.5	0.2	3.3	8.8	2.4	6.1
18	2.9	0.0	0.3	0.1	0.1	0.1	5.7	0.9	2.8	8.2	5.4	7.1
19	4.8	0.0	0.8	0.1	0.0	0.0	4.3	0.0	1.5	7.2	4.3	5.6
20	5.5	0.1	2.5	0.0	0.0	0.0	4.3	0.0	1.0	4.6	0.4	2.9
21	2.6	0.0	1.0	0.0	0.0	0.0	3.7	0.0	1.3	2.3	0.0	1.0
22	1.1	0.0	0.2	0.0	0.0	0.0	3.4	0.0	1.3	1.8	0.0	0.4
23	0.1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.9	1.0	0.0	0.1
24	0.9	0.0	0.0	0.1	0.0	0.0	1.8	0.0	0.3	0.1	0.0	0.0
25	5.8	0.0	2.1	0.1	0.0	0.1	3.8	0.0	0.4	1.0	0.0	0.0
26	3.0	0.0	1.1	0.1	0.0	0.1	0.5	0.0	0.1	2.4	0.0	0.0
27	2.9	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	4.6	0.0	0.6
28	8.2	0.0	2.6	0.1	0.0	0.0	0.2	0.0	0.0	4.0	0.0	1.0
29	6.7	0.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.6
30	3.4	0.6	2.0	0.0	0.0	0.0	0.1	0.0	0.0	7.2	0.0	2.9
31	---	---	---	0.1	0.0	0.0	0.0	0.0	0.0	---	---	---
Month	8.2	0.0	1.8	7.1	0.0	0.2	6.4	0.0	0.7	8.9	0.0	2.6

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	106	97	102	106	87	96	100	79	89
2	---	---	---	99	89	93	113	91	99	111	73	88
3	---	---	---	96	86	92	122	98	109	111	87	97
4	---	---	---	93	84	88	108	96	104	98	77	87
5	---	---	---	93	85	89	103	86	95	80	57	71
6	---	---	---	93	80	89	111	85	96	92	72	82
7	---	---	---	93	85	89	100	83	90	97	85	91
8	98	92	95	96	90	92	99	86	92	99	75	91
9	97	90	94	94	86	90	109	89	97	112	65	82
10	97	92	94	94	87	90	102	89	96	106	54	75
11	97	92	95	94	89	91	101	93	96	102	56	68
12	97	93	95	101	92	95	102	92	96	110	65	80
13	98	95	96	107	93	98	109	92	100	116	73	92
14	99	95	97	104	96	100	113	98	105	122	48	81
15	97	91	94	108	94	101	107	90	96	---	---	---
16	96	91	94	102	88	97	---	---	---	---	---	---
17	95	90	93	95	83	91	---	---	---	---	---	---
18	97	90	94	94	85	89	---	---	---	---	---	---
19	98	90	95	102	86	94	---	---	---	---	---	---
20	99	92	95	97	85	91	81	65	70	---	---	---
21	99	96	98	98	90	94	77	63	70	---	---	---
22	100	94	97	100	86	92	77	65	71	---	---	---
23	97	93	95	93	87	90	82	68	74	---	---	---
24	99	92	95	90	85	88	89	75	82	138	92	114
25	98	94	96	95	83	89	90	76	83	135	93	112
26	109	94	100	93	83	88	96	79	86	135	81	105
27	113	95	104	103	82	90	95	82	89	136	69	106
28	110	100	105	109	88	97	101	85	93	---	---	---
29	---	---	---	97	88	93	104	84	95	---	---	---
30	---	---	---	116	83	97	103	79	91	---	---	---
31	---	---	---	101	84	92	---	---	---	122	91	108
Month	---	---	---	116	80	93	---	---	---	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	123	90	105	114	1	87	171	6	59	67	1	12
2	115	80	94	104	1	79	87	4	43	71	1	43
3	93	73	83	139	59	110	109	37	82	115	16	57
4	94	76	83	138	102	118	141	58	93	102	45	76
5	106	81	91	152	81	119	134	42	95	99	21	61
6	112	81	97	138	93	113	115	59	93	128	47	91
7	125	94	108	131	71	104	152	64	107	171	84	121
8	125	84	99	129	61	89	143	70	101	137	95	117
9	145	69	105	137	15	97	135	60	103	118	73	90
10	129	44	106	149	81	108	101	47	72	110	52	72
11	117	37	90	105	73	87	107	54	80	128	66	96
12	127	65	97	123	57	86	121	35	77	102	68	90
13	112	17	85	107	33	83	185	14	94	118	72	89
14	108	65	91	106	26	64	122	1	67	117	69	91
15	100	57	79	132	39	85	148	1	77	136	50	97
16	116	61	80	143	84	113	144	95	119	135	97	110
17	117	58	88	145	83	110	108	58	85	121	80	101
18	143	53	91	156	83	116	149	66	105	112	68	95
19	130	61	102	170	61	100	128	76	97	108	68	91
20	115	69	99	157	3	100	116	48	85	98	37	69
21	149	50	102	105	0	49	129	35	90	85	14	45
22	126	43	90	118	0	52	117	36	73	99	8	50
23	112	7	72	139	0	66	114	28	62	103	1	49
24	113	61	97	130	0	70	89	25	60	126	1	52
25	118	92	103	151	0	83	141	10	90	108	0	39
26	157	71	105	113	0	61	142	24	88	139	46	100
27	146	73	114	139	22	94	93	7	56	134	56	107
28	111	65	94	129	22	102	137	0	52	144	87	119
29	108	64	91	139	50	87	142	0	61	123	19	80
30	112	65	87	163	67	116	102	0	25	107	28	85
31	---	---	---	151	0	82	99	1	17	---	---	---
Month	157	7	94	170	0	91	185	0	78	171	0	80

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	24	7	12
2	---	---	---	102	90	97	---	---	---	89	2	30
3	---	---	---	100	88	95	---	---	---	53	3	24
4	---	---	---	96	86	90	93	61	75	30	0	5
5	---	---	---	95	88	91	93	64	80	31	0	10
6	---	---	---	96	82	91	88	62	72	86	8	60
7	---	---	---	95	86	91	89	59	76	91	68	81
8	97	92	94	98	91	93	91	44	62	88	55	75
9	96	90	93	95	87	92	78	30	50	57	20	43
10	96	92	94	94	88	91	80	19	40	46	9	19
11	96	92	94	96	89	93	92	30	75	33	1	11
12	96	93	95	102	93	96	92	65	79	21	1	8
13	98	94	96	104	94	98	93	64	78	59	0	19
14	98	95	97	105	95	100	104	57	85	24	0	5
15	96	91	94	107	94	101	101	72	88	70	0	20
16	95	92	94	102	90	98	---	---	---	96	7	65
17	95	91	93	96	84	93	---	---	---	88	51	74
18	96	91	94	95	88	91	---	---	---	78	14	54
19	98	91	95	103	87	94	---	---	---	57	17	30
20	99	93	96	96	86	91	72	64	68	32	3	19
21	99	96	98	99	89	95	71	62	66	40	1	7
22	---	---	---	98	88	90	68	63	65	79	5	21
23	---	---	---	93	87	90	80	65	70	50	1	13
24	---	---	---	91	85	89	81	71	76	92	2	24
25	---	---	---	101	87	92	87	71	77	92	6	31
26	---	---	---	96	85	91	91	71	80	89	13	50
27	---	---	---	105	86	92	91	79	85	100	19	55
28	---	---	---	108	91	99	94	78	85	87	51	72
29	---	---	---	106	65	99	90	26	69	83	4	36
30	---	---	---	110	38	90	31	14	21	15	0	4
31	---	---	---	---	---	---	---	---	---	82	0	31
Month	---	---	---	---	---	---	---	---	---	100	0	33

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	82	17	45	29	1	6	7	0	0	0	0	0
2	70	15	39	4	1	1	3	0	0	38	0	4
3	75	31	56	8	0	0	7	0	0	19	0	5
4	76	33	52	10	0	0	21	0	0	46	0	17
5	64	22	41	76	0	21	15	0	0	29	0	8
6	64	21	44	40	0	4	72	0	17	33	0	10
7	79	15	45	1	0	0	24	0	2	82	0	30
8	66	20	46	0	0	0	50	0	12	91	3	57
9	66	5	43	9	0	0	6	0	1	97	35	68
10	23	1	12	33	0	3	71	0	33	80	34	58
11	18	0	4	94	0	24	46	3	30	115	36	77
12	1	0	0	70	1	30	25	1	11	91	36	68
13	8	0	1	4	1	1	3	0	0	88	36	69
14	4	0	0	1	0	0	6	0	1	91	8	48
15	10	0	0	1	0	0	63	0	4	107	7	53
16	50	0	13	34	0	3	88	0	27	116	54	87
17	56	0	20	1	0	0	76	3	45	113	32	79
18	37	0	4	1	1	1	79	12	38	104	69	90
19	62	0	10	1	0	0	59	0	20	91	55	71
20	72	1	33	0	0	0	59	0	13	59	5	37
21	34	0	14	0	0	0	51	0	18	29	0	13
22	14	0	2	0	0	0	47	0	18	23	0	5
23	1	0	0	0	0	0	29	0	13	13	0	1
24	12	0	0	1	0	0	25	0	5	1	0	0
25	77	0	27	1	0	0	53	0	6	13	0	0
26	39	0	14	1	0	0	7	0	0	31	0	0
27	39	0	5	0	0	0	1	0	0	60	0	8
28	110	0	35	1	0	0	3	0	0	52	0	13
29	89	11	42	0	0	0	0	0	0	22	0	7
30	45	8	27	0	0	0	1	0	0	92	0	38
31	---	---	---	1	0	0	0	0	0	---	---	---
Month	110	0	22	94	0	3	88	0	10	116	0	34