

## 02092162 NEUSE RIVER AT NEW BERN, NC

LOCATION.--Lat 35°06'34", long 77°01'58", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Marker 38.

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

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.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. 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. 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 dissolved oxygen percent saturation is computed using a barometric pressure of 760mm of Hg beginning October 1, 2000. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported only as <10%. Daily records of salinity and water temperature for October 1956 to September 1967 are available in the files of the District Office in Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	21.8, August 1, 2002	<0.1, on many days during the period
SALINITY (BOTOM), ppt	22.1, August 1, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.9, June 6, 7, 1999	5.7, September 29, 30, 1999, October 9, 14, 15, 1999
pH (BOTTOM), standard units	9.7, July 10, 11, 1997	4.9, October 13, 15-17, 1999
WATER TEMPERATURE (TOP), ° C	33.4, August 1, 1999	1.0, January 29, 2000
WATER TEMPERATURE (BOTTOM), ° C	31.2, August 10, 2001	1.1, January 29, 2000
DISSOLVED OXYGEN (TOP), mg/L	17.4, December 19, 1997	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	16.1, January 8, 1998	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	17.2, October 23	<0.1, on many days during the year
SALINITY (BOTTOM), ppt	17.1, October 23, 24	<0.1, on many days during the year
pH (TOP), standard units	7.8, November 4	6.1, June 3, 8
pH (BOTTOM), standard units	7.9, September 9, 10	6.2, August 20, 23
WATER TEMPERATURE (TOP), °C	30.6, July 17	1.8, January 24
WATER TEMPERATURE (BOTTOM), °C	29.7, September 3	1.7, January 24
DISSOLVED OXYGEN (TOP), mg/L	12.4, January 29	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	12.2, January 28	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	101, June 26, 27	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	100, February 12	<10, on many days during the year

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11.5	8.0	10.0	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	8.7	3.6	6.0	---	---	---
5	11.1	7.6	9.0	---	---	---	---	---	---	---	---	---
6	13.0	5.6	10.0	---	---	---	---	---	---	---	---	---
7	13.3	8.6	11.1	6.5	3.0	4.2	---	---	---	7.1	2.3	5.0
8	13.8	8.6	11.9	---	---	---	9.4	3.0	6.1	4.5	1.2	2.3
9	14.1	10.6	12.2	5.6	1.1	2.5	8.6	2.7	6.2	2.0	0.36	0.86
10	13.4	9.4	11.8	1.4	0.65	0.85	---	---	---	2.6	0.32	0.65
11	11.7	8.8	11.1	0.82	0.55	0.71	8.8	4.5	6.4	13.6	0.40	3.6
12	11.3	9.0	10	---	---	---	---	---	---	13.9	1.2	5.2
13	12.7	10.3	11.9	2.6	0.74	1.7	---	---	---	8.1	1.6	3.6
14	12.4	8.1	10.8	4.1	0.87	1.9	---	---	---	14.4	1.5	5.6
15	13.8	10.0	11.9	5.9	0.77	2.9	---	---	---	5.1	1.7	3.2
16	13.9	6.2	11.0	---	---	---	---	---	---	9.2	1.9	3.9
17	11.5	4.3	9.4	---	---	---	---	---	---	4.5	1.8	3.0
18	14.1	4.5	10.8	---	---	---	---	---	---	4.7	1.9	3.4
19	12.2	4.2	9.5	---	---	---	---	---	---	5.8	2.8	3.9
20	13.1	3.9	9.1	---	---	---	---	---	---	5.6	1.8	3.2
21	16.0	8.8	13.4	---	---	---	---	---	---	7.1	1.9	3.4
22	16.7	14.7	15.8	---	---	---	0.39	0.06	0.22	9.5	1.8	6.1
23	17.2	14.8	16.6	---	---	---	0.39	0.10	0.21	8.0	1.7	5.3
24	---	---	---	---	---	---	9.2	0.23	1.5	6.4	4.0	5.7
25	---	---	---	---	---	---	---	---	---	5.9	3.5	5.1
26	---	---	---	---	---	---	---	---	---	6.2	1.4	4.5
27	---	---	---	---	---	---	---	---	---	6.5	2.2	4.6
28	---	---	---	---	---	---	---	---	---	5.5	3.3	4.8
29	---	---	---	---	---	---	---	---	---	4.5	1.4	2.8
30	---	---	---	---	---	---	---	---	---	5.4	0.68	2.5
31	---	---	---	---	---	---	---	---	---	9.7	2.1	6.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.8	4.7	7.4	0.06	0.05	0.05	0.04	0.03	0.04	0.05	0.04	0.05
2	11.3	4.2	7.0	0.06	0.05	0.05	0.05	0.04	0.04	0.05	0.04	0.04
3	10.8	3.7	6.0	2.2	0.05	0.30	0.05	0.04	0.04	0.05	0.04	0.05
4	5.2	2.5	3.3	0.28	0.04	0.07	0.06	0.04	0.05	0.06	0.04	0.04
5	4.7	1.7	3.0	0.06	0.04	0.05	0.06	0.04	0.05	0.05	0.04	0.04
6	8.3	0.62	2.4	0.06	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04
7	3.9	1.5	2.8	0.46	0.04	0.08	0.05	0.04	0.05	0.06	0.04	0.05
8	8.7	1.1	2.4	0.06	0.04	0.05	0.06	0.05	0.05	0.05	0.04	0.04
9	5.8	1.5	3.0	0.05	0.04	0.04	0.05	0.04	0.05	0.05	0.04	0.05
10	12.3	0.61	5.8	0.05	0.03	0.04	0.06	0.04	0.05	0.05	0.05	0.05
11	6.0	1.9	3.7	0.04	0.03	0.04	0.06	0.04	0.05	0.06	0.05	0.05
12	4.8	0.93	2.1	0.04	0.03	0.04	0.06	0.04	0.05	0.06	0.05	0.05
13	4.1	1.1	2.2	0.04	0.03	0.03	0.06	0.04	0.04	1.1	0.06	0.47
14	1.2	0.33	0.56	0.21	0.03	0.04	0.04	0.04	0.04	1.4	0.22	0.38
15	0.58	0.23	0.40	0.03	0.03	0.03	0.04	0.04	0.04	0.42	0.08	0.17
16	2.6	0.23	0.73	0.04	0.03	0.03	0.04	0.04	0.04	0.23	0.06	0.08
17	1.9	0.60	1.2	0.04	0.03	0.03	0.04	0.03	0.04	0.43	0.10	0.23
18	1.1	0.31	0.70	0.04	0.03	0.03	0.04	0.03	0.03	0.96	0.18	0.30
19	0.45	0.20	0.32	0.04	0.03	0.03	0.03	0.03	0.03	0.57	0.23	0.36
20	0.39	0.08	0.15	0.04	0.03	0.03	0.03	0.03	0.03	0.43	0.10	0.24
21	0.44	0.07	0.11	0.05	0.04	0.04	0.04	0.03	0.03	0.26	0.07	0.10
22	0.12	0.05	0.07	0.06	0.04	0.05	0.04	0.04	0.04	0.09	0.07	0.08
23	0.44	0.05	0.09	0.05	0.04	0.04	0.05	0.04	0.04	0.11	0.06	0.08
24	0.43	0.05	0.12	0.04	0.04	0.04	0.05	0.04	0.04	0.10	0.06	0.07
25	0.08	0.06	0.07	0.04	0.04	0.04	0.05	0.04	0.04	0.07	0.04	0.06
26	0.06	0.05	0.06	0.04	0.04	0.04	0.05	0.04	0.04	0.06	0.04	0.05
27	0.06	0.05	0.06	0.04	0.03	0.04	0.05	0.04	0.05	0.05	0.04	0.05
28	0.25	0.05	0.09	0.04	0.03	0.04	0.05	0.04	0.04	0.06	0.04	0.04
29	---	---	---	---	---	---	0.06	0.04	0.05	0.05	0.03	0.04
30	---	---	---	0.05	0.03	0.03	0.05	0.04	0.05	0.05	0.04	0.04
31	---	---	---	0.04	0.03	0.03	---	---	---	0.04	0.04	0.04
MONTH	12.3	0.05	2.0	---	---	---	0.06	0.03	0.04	1.4	0.03	0.11

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	SEPTEMBER		
										MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	0.05	0.04	0.04	0.08	0.06	0.07	0.05	0.05	0.05	0.06	0.05	0.05
2	0.04	0.03	0.04	0.52	0.08	0.23	0.06	0.05	0.05	0.08	0.05	0.06
3	0.04	0.03	0.04	0.10	0.06	0.07	0.06	0.05	0.05	0.07	0.05	0.06
4	0.04	0.03	0.04	0.14	0.07	0.08	0.05	0.05	0.05	0.07	0.06	0.06
5	0.04	0.04	0.04	0.07	0.07	0.07	0.05	0.05	0.05	0.28	0.07	0.16
6	0.04	0.03	0.04	0.07	0.05	0.07	0.05	0.05	0.05	3.8	0.21	0.57
7	0.04	0.03	0.04	0.06	0.05	0.05	0.05	0.04	0.05	11.8	0.59	7.3
8	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.04	0.04	12.4	2.5	7.1
9	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.04	7.5	3.8	4.5
10	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	7.0	4.1	5.8
11	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.04	6.5	5.4	6.0
12	0.05	0.04	0.04	0.04	0.04	0.04	0.06	0.04	0.05	6.1	4.1	5.4
13	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.04	0.05	5.0	3.1	4.0
14	0.06	0.04	0.05	0.06	0.04	0.05	0.05	0.04	0.04	5.5	1.6	3.6
15	0.05	0.04	0.05	0.06	0.04	0.05	0.04	0.04	0.04	6.3	1.6	4.1
16	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.04	---	---	---
17	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.03	---	---	---
18	0.05	0.04	0.05	0.05	0.04	0.04	0.05	0.03	0.03	---	---	---
19	0.06	0.04	0.05	0.05	0.04	0.04	0.04	0.03	0.03	---	---	---
20	0.06	0.05	0.06	0.05	0.04	0.04	0.03	0.03	0.03	1.5	0.24	0.61
21	0.07	0.05	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.30	0.18	0.23
22	0.06	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.28	0.10	0.17
23	0.09	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.14	0.08	0.11
24	0.28	0.06	0.09	0.05	0.04	0.04	0.04	0.03	0.03	0.14	0.07	0.10
25	0.56	0.07	0.20	0.05	0.04	0.04	0.04	0.03	0.03	0.14	0.05	0.08
26	0.53	0.14	0.22	0.05	0.04	0.05	0.04	0.04	0.04	0.12	0.05	0.08
27	0.34	0.10	0.18	0.05	0.04	0.05	0.04	0.04	0.04	0.12	0.06	0.09
28	0.21	0.06	0.12	0.05	0.04	0.04	0.04	0.04	0.04	0.15	0.07	0.09
29	0.10	0.06	0.07	0.05	0.04	0.05	0.04	0.04	0.04	1.3	0.10	0.36
30	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.33	0.11	0.22
31	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05	---	---	---
MONTH	0.56	0.03	0.07	0.52	0.04	0.05	0.06	0.03	0.04	---	---	---

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.2	11.8	12.0	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	13.3	10.4	11.9	---	---	---
5	13.2	11.6	12.5	---	---	---	---	---	---	---	---	---
6	13.9	12.8	13.3	---	---	---	---	---	---	---	---	---
7	14.3	13.1	13.6	11.3	9.2	10.5	9.1	8.3	8.8	14.3	5.9	9.0
8	15.2	14.3	14.8	---	---	---	9.9	8.8	9.3	12.3	2.5	7.5
9	15.0	13.3	14.3	11.8	10.4	11.1	12.0	9.8	11.0	11.1	4.9	8.7
10	14.9	13.2	14.1	11.7	1.0	7.5	---	---	---	13.0	8.3	11.2
11	13.9	11.5	12.5	6.2	0.67	2.4	12.4	12.0	12.2	14.1	13.0	13.8
12	12.2	10.5	11.4	---	---	---	---	---	---	14.2	13.9	14.0
13	13.3	12.2	12.8	7.6	3.5	5.6	---	---	---	13.9	13.8	13.9
14	13.5	11.8	12.7	9.3	4.1	7.4	---	---	---	14.3	13.6	13.9
15	13.7	11.7	12.6	15.1	9.3	13.1	---	---	---	13.9	11.7	13.0
16	14.0	8.6	11.8	---	---	---	---	---	---	---	---	---
17	12.0	9.5	11.2	---	---	---	---	---	---	12.0	9.0	10.5
18	14.6	11.1	13.5	---	---	---	---	---	---	11.1	9.5	10.4
19	14.5	13.7	14.2	---	---	---	---	---	---	10.4	8.6	9.8
20	14.5	13.5	14.3	---	---	---	---	---	---	9.8	5.4	8.6
21	16.3	14.5	15.0	---	---	---	---	---	---	10.4	7.6	9.0
22	16.9	15.7	16.4	---	---	---	7.2	0.27	5.0	11.5	9.5	10.8
23	17.1	16.8	16.9	---	---	---	8.7	6.4	7.7	11.7	5.5	9.3
24	---	---	---	---	---	---	10.7	2.4	9.0	6.6	5.6	6.2
25	---	---	---	---	---	---	---	---	---	7.2	6.2	6.6
26	---	---	---	---	---	---	---	---	---	8.5	6.7	7.8
27	---	---	---	---	---	---	---	---	---	9.6	5.2	7.3
28	---	---	---	---	---	---	---	---	---	7.5	5.3	6.8
29	---	---	---	---	---	---	---	---	---	7.6	5.3	6.3
30	---	---	---	---	---	---	---	---	---	8.7	6.8	8.0
31	---	---	---	---	---	---	---	---	---	10.2	8.7	9.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.2	10.0	10.5	0.06	0.05	0.06	0.04	0.03	0.04	0.05	0.04	0.04
2	11.7	10.9	11.2	0.06	0.05	0.05	---	---	---	0.05	0.04	0.04
3	11.7	8.3	10.9	2.7	0.05	0.50	---	---	---	0.05	0.04	0.04
4	10	2.7	5.6	0.72	0.05	0.11	---	---	---	0.06	0.04	0.04
5	9.5	5.1	7.0	0.07	0.05	0.05	---	---	---	0.05	0.04	0.04
6	10.7	8.5	9.4	0.07	0.04	0.05	---	---	---	0.05	0.04	0.04
7	12.6	7.8	10.4	0.72	0.04	0.12	---	---	---	0.05	0.04	0.05
8	13.0	11.4	12.3	0.06	0.04	0.05	---	---	---	0.05	0.04	0.04
9	12.8	11.7	12.3	0.05	0.04	0.05	---	---	---	0.05	0.04	0.04
10	13.0	7.1	11.8	0.05	0.04	0.04	---	---	---	0.05	0.04	0.05
11	11.3	5.9	9.9	0.04	0.04	0.04	---	---	---	0.05	0.04	0.05
12	10.1	5.3	7.9	0.05	0.04	0.04	---	---	---	0.63	0.05	0.07
13	10.4	6.8	8.0	0.05	0.04	0.04	---	---	---	4.0	0.17	2.2
14	9.2	7.5	8.2	0.37	0.03	0.05	---	---	---	3.9	0.59	2.6
15	9.4	4.5	7.4	0.04	0.03	0.04	---	---	---	1.9	0.08	0.50
16	9.7	6.1	9.0	0.04	0.03	0.04	---	---	---	1.8	0.07	0.51
17	9.3	4.4	7.3	0.04	0.04	0.04	0.04	0.03	0.03	3.3	0.16	1.4
18	8.9	6.4	7.9	0.04	0.03	0.04	0.04	0.03	0.03	3.6	1.4	2.5
19	8.6	3.8	7.6	0.04	0.04	0.04	0.03	0.03	0.03	3.2	0.26	0.68
20	8.8	2.5	6.1	0.05	0.04	0.04	0.03	0.03	0.03	1.3	0.14	0.51
21	8.8	0.36	5.3	0.05	0.04	0.05	0.04	0.03	0.03	1.1	0.08	0.51
22	2.0	0.05	0.39	0.06	0.05	0.05	0.04	0.04	0.04	0.10	0.07	0.08
23	0.53	0.05	0.12	0.05	0.04	0.04	0.05	0.04	0.04	0.10	0.06	0.08
24	0.48	0.06	0.16	0.05	0.04	0.04	0.05	0.04	0.04	0.10	0.06	0.07
25	0.10	0.06	0.07	0.05	0.04	0.04	0.05	0.04	0.04	0.07	0.05	0.06
26	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.04	0.04	0.06	0.04	0.05
27	0.06	0.06	0.06	0.05	0.03	0.04	0.05	0.04	0.05	0.05	0.04	0.05
28	0.28	0.05	0.10	0.04	0.03	0.04	0.05	0.04	0.04	0.05	0.04	0.04
29	---	---	---	---	---	---	0.05	0.04	0.05	0.05	0.04	0.04
30	---	---	---	0.05	0.03	0.03	0.05	0.04	0.05	0.05	0.03	0.04
31	---	---	---	0.05	0.03	0.04	---	---	---	0.04	0.03	0.03
MONTH	13.0	0.05	6.7	---	---	---	---	---	---	4.0	0.03	0.40

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.05	0.03	0.04	1.7	0.06	0.62	0.06	0.05	0.05	9.4	0.05	1.7			
2	0.04	0.03	0.03	2.5	0.12	1.2	0.06	0.05	0.06	0.63	0.05	0.12			
3	0.04	0.03	0.03	0.12	0.06	0.07	0.06	0.05	0.06	0.14	0.06	0.08			
4	0.04	0.04	0.04	0.27	0.07	0.09	0.06	0.06	0.06	0.72	0.06	0.10			
5	0.05	0.04	0.04	0.07	0.07	0.07	0.06	0.05	0.06	10.6	0.12	5.3			
6	0.04	0.04	0.04	0.07	0.05	0.06	0.06	0.05	0.06	12.0	10.3	11.3			
7	0.04	0.04	0.04	0.06	0.05	0.05	0.06	0.05	0.06	13.0	12.0	12.7			
8	0.05	0.04	0.04	0.05	0.04	0.05	0.06	0.05	0.05	13.1	12.9	13.0			
9	0.05	0.04	0.04	0.05	0.04	0.04	0.06	0.05	0.05	13.1	12.1	12.8			
10	0.05	0.04	0.04	0.05	0.04	0.04	0.05	0.04	0.05	12.7	6.3	9.2			
11	0.05	0.04	0.04	0.05	0.04	0.04	0.06	0.05	0.05	11.8	6.1	7.2			
12	0.05	0.04	0.04	0.04	0.04	0.04	0.06	0.05	0.06	6.5	5.2	6.0			
13	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.04	0.05	5.9	5.1	5.6			
14	0.05	0.04	0.05	0.06	0.04	0.05	0.05	0.04	0.05	5.8	5.0	5.6			
15	0.05	0.04	0.05	0.06	0.04	0.05	0.04	0.04	0.04	7.0	5.3	6.2			
16	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	---	---	---			
17	0.05	0.04	0.05	0.05	0.04	0.04	0.05	0.03	0.04	---	---	---			
18	0.06	0.04	0.05	0.05	0.04	0.04	0.20	0.03	0.05	---	---	---			
19	0.06	0.05	0.05	0.05	0.04	0.04	0.07	0.03	0.03	---	---	---			
20	0.06	0.05	0.06	0.05	0.04	0.04	0.03	0.03	0.03	4.3	3.4	4.0			
21	0.07	0.06	0.06	0.04	0.04	0.04	0.04	0.03	0.03	5.2	3.9	4.3			
22	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.03	0.03	5.1	0.12	2.9			
23	0.38	0.05	0.09	0.05	0.04	0.04	0.04	0.03	0.03	0.30	0.07	0.13			
24	2.9	0.09	1.3	0.05	0.04	0.04	0.04	0.03	0.04	1.1	0.09	0.23			
25	3.0	1.3	2.6	0.05	0.04	0.04	0.04	0.03	0.04	4.2	0.12	1.8			
26	3.0	1.2	2.1	0.05	0.04	0.05	0.04	0.04	0.04	4.4	2.2	3.8			
27	3.6	0.36	1.9	0.05	0.04	0.05	0.04	0.04	0.04	4.5	0.11	3.5			
28	0.88	0.10	0.27	0.05	0.04	0.04	0.04	0.04	0.04	4.5	0.17	3.2			
29	0.40	0.06	0.11	0.05	0.04	0.05	0.04	0.04	0.04	4.6	1.2	3.1			
30	---	---	---	0.05	0.04	0.05	0.05	0.04	0.04	4.3	3.5	4.0			
31	---	---	---	0.06	0.05	0.05	0.12	0.04	0.05	---	---	---			
MONTH	---	---	---	2.5	0.04	0.10	0.20	0.03	0.05	---	---	---			

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.2	6.9	7.0	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	7.1	6.9	7.0	---	---	---
5	7.7	6.8	7.3	---	---	---	---	---	---	---	---	---
6	7.5	6.8	7.1	---	---	---	---	---	---	---	---	---
7	7.5	6.9	7.0	7.7	7.2	7.3	---	---	---	6.9	6.7	6.8
8	7.6	6.8	7.2	---	---	---	7.5	7.0	7.2	6.8	6.6	6.7
9	7.3	6.9	7.1	7.2	7.0	7.1	7.4	7.0	7.2	6.8	6.6	6.7
10	7.3	6.8	6.9	7.1	7.0	7.0	---	---	---	6.9	6.6	6.7
11	7.1	6.8	7.0	7.2	7.0	7.1	7.4	7.2	7.3	7.3	6.6	6.8
12	7.2	6.9	7.0	---	---	---	---	---	---	7.3	6.7	7.0
13	7.2	6.9	7.0	7.2	7.0	7.1	---	---	---	7.0	6.8	6.9
14	7.7	6.9	7.3	7.2	6.9	7.1	---	---	---	7.6	6.7	7.0
15	7.5	7.1	7.2	7.0	6.9	7.0	---	---	---	7.1	6.8	7.0
16	7.4	6.6	7.0	---	---	---	---	---	---	---	---	---
17	7.0	6.6	6.8	---	---	---	---	---	---	7.0	6.6	6.9
18	7.0	6.7	6.9	---	---	---	---	---	---	7.0	6.7	6.8
19	6.9	6.6	6.8	---	---	---	---	---	---	7.0	6.7	6.8
20	6.9	6.6	6.7	---	---	---	---	---	---	7.0	6.7	6.8
21	6.9	6.7	6.8	---	---	---	---	---	---	7.0	6.7	6.8
22	7.0	6.8	6.9	---	---	---	6.7	6.5	6.6	6.9	6.6	6.8
23	7.0	7.0	7.0	---	---	---	6.8	6.5	6.6	7.0	6.7	6.9
24	---	---	---	---	---	---	7.2	6.5	6.6	7.2	6.9	7.1
25	---	---	---	---	---	---	---	---	---	7.2	7.0	7.1
26	---	---	---	---	---	---	---	---	---	7.2	6.9	7.1
27	---	---	---	---	---	---	---	---	---	7.2	6.9	7.1
28	---	---	---	---	---	---	---	---	---	7.2	7.0	7.1
29	---	---	---	---	---	---	---	---	---	7.2	6.9	7.0
30	---	---	---	---	---	---	---	---	---	7.2	6.8	7.0
31	---	---	---	---	---	---	---	---	---	7.1	6.8	6.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.1	6.9	7.0	7.1	7.0	7.1	6.7	6.5	6.6	6.7	6.6	6.7
2	7.2	6.9	7.0	7.2	7.0	7.1	7.0	6.6	6.8	6.7	6.6	6.7
3	7.2	6.9	7.0	7.2	7.1	7.2	7.0	6.9	6.9	6.8	6.6	6.7
4	7.1	6.9	6.9	7.2	7.1	7.2	7.2	6.9	7.0	6.8	6.7	6.7
5	7.1	6.9	7.0	7.2	7.1	7.1	7.0	6.9	6.9	6.7	6.6	6.6
6	7.2	6.8	6.9	7.2	7.1	7.1	7.1	6.9	7.0	6.8	6.7	6.7
7	7.3	6.7	7.0	7.2	7.1	7.2	7.1	6.8	6.9	6.8	6.6	6.7
8	7.4	6.7	6.9	7.1	7.0	7.1	7.0	6.8	6.9	6.8	6.4	6.6
9	7.1	6.8	6.9	7.1	7.0	7.0	7.0	6.8	7.0	6.8	6.5	6.6
10	7.4	6.7	6.9	7.1	6.8	6.9	7.2	6.8	7.1	6.8	6.6	6.7
11	7.4	6.8	7.0	7.0	6.8	6.9	6.9	6.8	6.9	6.8	6.6	6.7
12	7.3	7.0	7.2	7.0	6.8	6.9	6.9	6.7	6.8	6.9	6.7	6.8
13	7.4	7.0	7.2	7.0	6.8	6.9	6.8	6.7	6.7	7.0	6.6	6.8
14	7.2	6.9	7.0	7.2	6.7	7.0	6.7	6.6	6.6	6.9	6.6	6.7
15	7.1	7.0	7.0	7.0	6.8	6.9	6.6	6.5	6.5	6.7	6.6	6.6
16	7.1	6.8	7.0	7.0	6.9	6.9	6.6	6.3	6.4	6.7	6.6	6.7
17	7.2	6.9	7.1	6.9	6.8	6.9	6.4	6.3	6.4	6.9	6.6	6.8
18	7.2	7.0	7.1	7.0	6.8	6.9	6.4	6.3	6.3	7.0	6.8	6.9
19	7.1	7.0	7.1	7.0	6.9	7.0	6.3	6.3	6.3	7.0	6.8	6.9
20	7.1	6.9	7.0	7.1	6.8	7.0	6.4	6.3	6.3	7.0	6.8	6.9
21	7.1	6.9	7.0	7.1	6.9	7.0	6.4	6.3	6.3	6.8	6.6	6.7
22	7.1	7.0	7.0	7.1	7.0	7.0	6.5	6.4	6.4	6.8	6.7	6.8
23	7.4	7.1	7.2	7.0	6.9	6.9	6.6	6.5	6.5	7.0	6.8	6.9
24	7.3	7.1	7.2	6.9	6.8	6.9	6.6	6.4	6.5	7.1	6.7	6.8
25	7.2	7.0	7.1	6.9	6.7	6.8	6.6	6.5	6.6	6.7	6.5	6.6
26	7.2	7.1	7.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.5
27	7.2	7.0	7.1	6.9	6.7	6.8	6.6	6.5	6.6	6.6	6.4	6.5
28	7.4	7.0	7.2	6.8	6.6	6.7	6.6	6.5	6.6	6.6	6.4	6.4
29	---	---	---	---	---	---	6.7	6.6	6.6	6.5	6.4	6.4
30	---	---	---	6.8	6.5	6.6	6.7	6.6	6.6	6.5	6.3	6.4
31	---	---	---	6.7	6.6	6.7	---	---	---	6.5	6.3	6.4
MONTH	7.4	6.7	7.0	---	---	---	7.2	6.3	6.7	7.1	6.3	6.7

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.3	6.4	7.3	7.0	7.1	6.8	6.6	6.6	7.0	6.8	6.9
2	6.4	6.2	6.3	7.2	7.0	7.1	6.8	6.8	6.8	7.1	6.9	7.0
3	6.4	6.1	6.3	7.2	7.0	7.1	6.9	6.8	6.8	7.2	6.9	7.1
4	6.4	6.2	6.3	7.2	7.0	7.1	7.0	6.8	6.9	7.2	7.0	7.1
5	6.3	6.2	6.3	7.1	6.9	7.0	7.1	6.9	7.0	7.3	7.0	7.1
6	6.3	6.2	6.2	7.1	6.8	6.9	7.1	6.9	7.0	7.3	6.9	7.2
7	6.4	6.2	6.3	7.0	6.7	6.7	7.1	6.9	7.0	7.6	6.9	7.4
8	6.4	6.1	6.2	6.8	6.4	6.6	7.1	7.0	7.0	7.6	7.0	7.3
9	6.3	6.2	6.2	6.6	6.4	6.5	7.1	6.9	7.0	7.0	6.8	6.9
10	6.5	6.3	6.4	6.6	6.4	6.5	7.1	6.9	7.0	7.1	7.0	7.0
11	6.6	6.3	6.4	6.7	6.5	6.5	7.1	7.0	7.0	7.1	6.8	7.0
12	6.8	6.5	6.6	6.6	6.5	6.6	7.1	6.7	6.9	7.0	6.8	7.0
13	6.8	6.6	6.7	6.6	6.5	6.5	6.8	6.6	6.7	6.9	6.7	6.8
14	6.9	6.6	6.7	6.8	6.6	6.7	6.7	6.5	6.6	6.9	6.7	6.7
15	6.9	6.7	6.8	6.8	6.5	6.6	6.6	6.5	6.6	6.9	6.6	6.7
16	7.0	6.8	6.9	6.6	6.4	6.5	6.6	6.5	6.5	---	---	---
17	7.0	6.9	6.9	6.5	6.4	6.5	6.7	6.5	6.5	---	---	---
18	7.0	6.7	6.9	6.7	6.5	6.6	6.6	6.4	6.5	---	---	---
19	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.4	---	---	---
20	7.0	6.8	6.9	6.6	6.5	6.6	6.6	6.3	6.5	6.8	6.6	6.7
21	7.1	6.9	7.0	6.7	6.5	6.6	6.8	6.6	6.6	6.6	6.5	6.6
22	7.2	7.0	7.1	6.8	6.6	6.6	6.8	6.7	6.7	6.7	6.5	6.6
23	7.1	6.7	6.9	6.8	6.6	6.7	6.8	6.7	6.7	6.7	6.5	6.6
24	6.9	6.6	6.8	6.8	6.6	6.7	6.8	6.6	6.7	6.6	6.4	6.5
25	6.9	6.6	6.7	6.7	6.6	6.6	6.7	6.6	6.7	6.5	6.4	6.5
26	7.2	6.6	6.8	6.7	6.5	6.6	6.8	6.7	6.7	6.5	6.4	6.5
27	7.3	6.9	7.0	6.7	6.6	6.6	6.8	6.7	6.7	6.6	6.5	6.5
28	7.1	6.8	7.0	6.8	6.6	6.6	6.8	6.7	6.8	6.6	6.5	6.6
29	7.3	6.9	7.0	6.6	6.5	6.6	6.8	6.6	6.7	6.8	6.6	6.7
30	7.3	6.9	7.0	6.7	6.5	6.6	6.9	6.7	6.7	6.8	6.6	6.7
31	---	---	---	6.7	6.6	6.6	6.9	6.8	6.9	---	---	---
MONTH	7.3	6.1	6.7	7.3	6.4	6.7	7.1	6.3	6.7	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	7.0	6.9	7.0	---	---	---	---	---	---	---	---	---
6	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
7	6.8	6.6	6.7	7.2	6.9	7.1	---	---	---	7.3	7.1	7.2
8	7.1	6.7	6.9	---	---	---	---	---	---	7.3	7.0	7.1
9	7.2	6.9	7.0	6.9	6.7	6.8	---	---	---	7.2	7.0	7.1
10	7.0	6.9	7.0	7.0	6.7	6.8	---	---	---	7.4	7.1	7.2
11	7.2	6.8	7.0	7.2	6.8	6.9	---	---	---	7.6	7.3	7.5
12	7.2	7.0	7.1	---	---	---	---	---	---	7.6	7.5	7.5
13	7.1	7.0	7.0	7.2	6.8	7.0	---	---	---	7.5	7.3	7.4
14	7.6	6.9	7.2	7.2	6.8	6.9	---	---	---	7.4	7.2	7.2
15	7.8	7.2	7.4	7.0	6.8	7.0	---	---	---	7.2	7.0	7.1
16	7.8	6.7	7.1	---	---	---	---	---	---	---	---	---
17	7.0	6.7	6.9	---	---	---	---	---	---	6.9	6.8	6.8
18	7.1	6.8	7.0	---	---	---	---	---	---	7.0	6.8	6.8
19	7.1	6.9	7.0	---	---	---	---	---	---	6.9	6.7	6.8
20	7.0	6.9	6.9	---	---	---	---	---	---	7.0	6.7	6.8
21	7.2	6.9	7.0	---	---	---	---	---	---	7.1	6.7	6.9
22	7.2	7.1	7.2	---	---	---	7.2	6.6	6.9	7.1	6.9	7.0
23	7.2	7.1	7.1	---	---	---	7.3	7.0	7.1	7.2	6.9	7.1
24	---	---	---	---	---	---	7.5	6.8	7.3	7.3	7.2	7.3
25	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
26	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
27	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
28	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
29	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
30	---	---	---	---	---	---	---	---	---	7.2	6.9	7.0
31	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	7.0	7.1	7.0	6.8	6.9	6.7	6.6	6.6	6.9	6.8	6.8
2	7.2	7.0	7.1	6.9	6.8	6.9	---	---	---	6.9	6.8	6.8
3	7.3	7.0	7.1	7.1	6.9	7.0	---	---	---	7.0	6.8	6.9
4	7.3	7.0	7.2	7.1	6.8	6.9	---	---	---	7.0	6.8	6.9
5	7.2	7.1	7.2	6.9	6.8	6.8	---	---	---	6.9	6.8	6.8
6	7.1	6.9	7.0	6.9	6.7	6.8	---	---	---	6.9	6.8	6.9
7	7.1	6.9	7.0	7.0	6.8	6.9	---	---	---	6.9	6.8	6.9
8	6.9	6.8	6.9	6.9	6.7	6.8	---	---	---	6.9	6.6	6.8
9	7.1	6.8	6.9	6.8	6.8	6.8	---	---	---	6.8	6.6	6.7
10	7.2	6.8	6.9	6.8	6.5	6.7	---	---	---	6.8	6.6	6.7
11	7.5	6.9	7.1	6.6	6.4	6.5	---	---	---	6.8	6.6	6.7
12	7.7	7.2	7.4	6.5	6.4	6.5	---	---	---	7.0	6.7	6.8
13	7.5	7.2	7.4	6.5	6.4	6.5	---	---	---	7.2	6.8	7.0
14	7.4	7.2	7.3	6.8	6.4	6.5	---	---	---	7.1	6.4	6.8
15	7.3	7.0	7.2	6.5	6.4	6.4	---	---	---	6.5	6.3	6.4
16	7.4	7.1	7.3	6.6	6.4	6.5	---	---	---	6.8	6.3	6.6
17	7.5	7.2	7.4	6.6	6.5	6.6	6.5	6.4	6.4	7.0	6.5	6.7
18	7.5	7.3	7.4	6.6	6.5	6.6	6.5	6.4	6.4	7.1	6.7	6.8
19	7.8	7.0	7.5	6.7	6.6	6.6	6.4	6.4	6.4	7.2	6.7	7.0
20	7.4	7.0	7.2	6.7	6.6	6.7	6.5	6.4	6.4	7.2	6.8	7.0
21	7.3	6.8	7.1	6.8	6.6	6.7	6.5	6.4	6.5	7.0	6.6	6.8
22	7.1	6.7	6.8	6.8	6.7	6.8	6.6	6.5	6.6	6.8	6.6	6.8
23	7.3	6.8	7.0	6.8	6.7	6.8	6.7	6.6	6.6	7.0	6.7	6.9
24	7.2	6.8	7.0	6.8	6.7	6.7	6.7	6.6	6.6	7.1	6.7	6.9
25	6.9	6.7	6.9	6.7	6.6	6.6	6.7	6.6	6.7	6.7	6.5	6.6
26	7.0	6.8	6.9	6.6	6.6	6.6	6.8	6.7	6.7	6.6	6.4	6.5
27	7.0	6.9	6.9	6.7	6.5	6.6	6.8	6.7	6.7	6.7	6.5	6.6
28	7.4	6.8	7.1	6.7	6.5	6.5	6.8	6.7	6.7	6.8	6.4	6.5
29	---	---	---	---	---	---	6.9	6.7	6.8	6.7	6.6	6.6
30	---	---	---	6.8	6.6	6.6	6.9	6.7	6.8	6.8	6.5	6.7
31	---	---	---	6.8	6.6	6.7	---	---	---	6.8	6.7	6.7
MONTH	7.8	6.7	7.1	---	---	---	---	---	---	7.2	6.3	6.8



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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.7	6.8	7.0	6.6	6.8	6.7	6.5	6.6	7.2	6.7	6.9
2	6.8	6.7	6.7	7.2	6.6	6.9	6.7	6.6	6.7	7.0	6.9	6.9
3	6.8	6.7	6.7	7.1	6.9	7.0	6.8	6.7	6.8	7.2	6.8	7.0
4	6.8	6.7	6.8	7.1	6.9	7.0	6.8	6.7	6.8	7.1	6.8	6.9
5	6.8	6.7	6.7	7.0	6.8	6.9	6.9	6.6	6.8	7.4	6.9	7.2
6	6.8	6.6	6.7	7.0	6.7	6.8	7.0	6.7	6.9	7.5	7.4	7.5
7	6.8	6.7	6.7	6.8	6.6	6.6	7.0	6.8	6.9	7.5	7.5	7.5
8	6.9	6.7	6.8	6.7	6.4	6.6	6.9	6.8	6.8	7.6	7.5	7.5
9	6.8	6.6	6.8	6.5	6.4	6.4	6.9	6.7	6.8	7.9	7.6	7.7
10	6.8	6.6	6.7	6.5	6.4	6.5	6.9	6.7	6.8	7.9	7.0	7.4
11	6.9	6.6	6.8	6.7	6.4	6.5	6.9	6.7	6.8	7.5	6.9	7.1
12	6.9	6.8	6.8	6.6	6.4	6.5	6.9	6.7	6.8	7.3	7.1	7.2
13	6.9	6.8	6.8	6.6	6.4	6.5	6.8	6.6	6.7	7.2	7.0	7.1
14	6.9	6.8	6.8	6.7	6.5	6.6	6.7	6.5	6.6	7.1	6.9	7.0
15	7.0	6.8	6.8	6.7	6.5	6.5	6.6	6.5	6.6	7.0	6.8	6.9
16	7.1	6.9	7.0	6.5	6.4	6.5	6.6	6.4	6.5	---	---	---
17	7.0	6.9	6.9	6.5	6.4	6.5	6.7	6.4	6.5	---	---	---
18	6.9	6.7	6.8	6.7	6.4	6.6	6.7	6.3	6.5	---	---	---
19	7.0	6.8	6.8	6.6	6.5	6.6	6.4	6.3	6.4	---	---	---
20	7.0	6.9	7.0	6.6	6.5	6.5	6.4	6.2	6.3	6.7	6.6	6.6
21	7.1	7.0	7.0	6.7	6.4	6.5	6.4	6.3	6.3	6.7	6.6	6.6
22	7.1	6.9	7.0	6.7	6.6	6.6	6.4	6.3	6.3	6.7	6.5	6.6
23	7.1	6.7	6.9	6.8	6.6	6.7	6.4	6.2	6.3	6.6	6.4	6.5
24	6.8	6.7	6.8	6.8	6.6	6.6	6.3	6.3	6.3	6.6	6.4	6.5
25	6.8	6.7	6.8	6.7	6.6	6.6	6.4	6.3	6.3	6.7	6.3	6.5
26	6.8	6.7	6.8	6.7	6.6	6.6	6.4	6.3	6.3	6.7	6.6	6.7
27	7.1	6.8	6.8	6.7	6.6	6.6	6.4	6.3	6.4	6.8	6.5	6.7
28	7.2	6.9	7.0	6.8	6.5	6.6	6.5	6.3	6.3	6.8	6.5	6.7
29	7.1	6.9	7.0	6.6	6.4	6.5	6.6	6.3	6.4	6.8	6.7	6.8
30	7.1	6.7	6.9	6.6	6.4	6.5	6.8	6.5	6.6	6.8	6.7	6.7
31	---	---	---	6.7	6.5	6.6	6.8	6.6	6.7	---	---	---
MONTH	7.2	6.6	6.8	7.2	6.4	6.6	7.0	6.2	6.6	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.4	25.2	25.9	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	9.6	7.6	8.4	---	---	---
5	27.6	26.7	27.1	---	---	---	---	---	---	---	---	---
6	27.6	26.2	26.7	---	---	---	---	---	---	---	---	---
7	26.8	26.0	26.5	14.9	13.0	14.0	---	---	---	8.1	6.6	7.3
8	26.4	25.2	25.8	---	---	---	8.0	7.4	7.7	7.4	5.9	6.8
9	25.8	24.1	24.9	14.9	13.3	14.2	8.2	6.4	7.1	8.3	6.6	7.4
10	25.2	24.1	24.8	15.8	14.2	15.0	---	---	---	8.7	7.5	8.0
11	24.8	24.0	24.4	17.1	15.8	16.5	7.5	6.8	7.1	8.4	7.0	7.6
12	24.4	23.9	24.2	---	---	---	---	---	---	7.9	5.9	6.8
13	24.5	23.9	24.3	17.0	14.8	15.9	---	---	---	7.0	5.5	6.3
14	24.6	22.9	23.6	15.9	13.9	14.8	---	---	---	8.2	4.8	6.3
15	23.3	21.5	22.2	16.2	14.0	15.2	---	---	---	6.6	5.4	6.0
16	21.8	20.8	21.4	---	---	---	---	---	---	6.8	4.3	5.6
17	21.6	20.3	21.2	---	---	---	---	---	---	6.1	4.9	5.7
18	21.3	19.2	20.8	---	---	---	---	---	---	5.2	3.8	4.6
19	21.2	19.8	20.8	---	---	---	---	---	---	5.4	3.6	4.8
20	21.1	19.4	20.5	---	---	---	---	---	---	5.7	3.6	4.8
21	21.1	20.4	20.9	---	---	---	---	---	---	5.8	4.7	5.3
22	21.1	20.4	20.9	---	---	---	9.4	8.2	8.9	5.9	3.9	5.0
23	21.2	20.7	21.0	---	---	---	9.4	8.2	8.9	5.3	3.0	3.9
24	---	---	---	---	---	---	9.9	8.4	8.8	3.2	1.8	2.4
25	---	---	---	---	---	---	---	---	---	2.8	2.2	2.4
26	---	---	---	---	---	---	---	---	---	3.5	2.6	2.8
27	---	---	---	---	---	---	---	---	---	3.0	2.2	2.6
28	---	---	---	---	---	---	---	---	---	3.1	2.4	2.9
29	---	---	---	---	---	---	---	---	---	4.8	2.8	3.8
30	---	---	---	---	---	---	---	---	---	4.8	4.1	4.5
31	---	---	---	---	---	---	---	---	---	4.6	3.7	4.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	3.9	4.4	9.6	8.6	8.9	15.8	14.7	15.1	22.0	20.5	21.2
2	6.0	4.2	4.9	10.5	9.2	9.9	17.0	14.6	15.4	22.0	20.6	21.2
3	7.0	4.8	5.9	11.3	9.5	10.2	18.0	15.6	16.7	21.8	20.8	21.1
4	8.6	7.0	7.8	10.5	9.6	10.1	18.8	16.2	17.4	20.8	19.4	20.0
5	8.5	7.6	8.1	11.8	10.0	11.0	19.1	16.9	18.0	19.4	18.6	19.0
6	8.0	7.0	7.5	12.1	11.3	11.7	18.7	17.7	18.2	20.4	18.7	19.4
7	7.6	7.0	7.3	11.9	10.0	10.9	17.8	16.2	17.2	21.9	19.8	20.4
8	8.0	6.3	6.9	11.2	9.4	10.1	16.3	14.9	15.5	23.2	21.1	22.0
9	7.8	6.8	7.3	11.9	10.3	11.1	14.9	13.6	14.3	24.1	21.9	22.9
10	7.6	6.7	7.1	12.2	11.1	11.6	13.7	12.8	13.4	25.9	22.6	23.4
11	7.7	6.3	7.0	11.5	10.7	11.0	12.8	11.6	12.1	25.5	23.4	24.4
12	7.8	6.0	7.0	12.1	10.6	11.1	12.9	11.3	12.0	24.8	23.6	24.1
13	7.9	6.2	7.1	13.1	11.6	12.3	15.6	12.6	13.7	23.8	22.5	23.1
14	7.4	5.8	6.6	12.7	12.1	12.4	15.3	13.5	14.3	24.1	21.8	23.0
15	8.2	6.7	7.3	12.2	11.9	12.0	16.7	14.2	15.0	23.2	22.2	22.5
16	7.9	6.9	7.1	13.8	12.0	12.9	17.1	15.1	15.9	24.7	21.8	23.0
17	7.0	6.2	6.8	14.3	13.5	13.9	17.9	16.1	16.8	23.9	22.2	22.9
18	7.0	5.8	6.3	14.8	13.8	14.2	17.4	16.6	16.9	22.3	21.1	21.6
19	7.6	5.7	6.5	14.5	13.9	14.3	17.4	16.7	17.0	21.1	19.9	20.4
20	7.6	6.4	7.0	14.8	14.1	14.5	17.4	16.2	16.8	21.9	19.6	20.6
21	7.9	6.8	7.3	16.3	14.7	15.5	17.9	16.6	17.1	21.4	19.9	20.9
22	10.4	7.6	8.8	17.4	15.6	16.4	18.8	17.4	18.0	21.4	20.5	21.0
23	11.9	10.2	10.8	17.2	16.3	16.8	18.8	17.3	18.0	21.2	20.2	20.6
24	11.2	9.9	10.5	17.2	16.1	16.6	19.0	17.3	18.0	21.6	19.9	20.4
25	10.9	10.2	10.6	17.8	16.3	16.8	18.1	17.5	17.8	21.4	19.5	20.2
26	10.8	9.6	10.1	17.8	16.6	17.1	19.2	17.4	17.9	22.1	20.2	21.0
27	9.6	9.1	9.3	17.2	16.7	16.9	18.9	17.9	18.5	21.2	20.5	20.9
28	9.4	8.5	8.9	17.8	16.6	17.1	20.0	17.9	18.7	21.6	19.8	20.6
29	---	---	---	---	---	---	20.7	18.7	19.5	21.3	20.1	20.7
30	---	---	---	18.6	16.5	18.0	21.7	19.4	20.2	21.5	20.0	20.7
31	---	---	---	16.5	15.0	15.5	---	---	---	21.2	20.5	20.7
MONTH	11.9	3.9	7.6	---	---	---	21.7	11.3	16.5	25.9	18.6	21.4

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.9	19.9	20.7	29.4	28.4	28.7	29.0	27.8	28.4	30.1	28.8	29.4
2	22.5	20.1	20.9	28.4	26.5	27.4	28.6	27.8	28.2	29.8	28.6	29.2
3	21.8	20.3	21.1	27.9	26.3	27.0	28.5	27.6	28.0	29.8	28.6	29.2
4	21.6	20.7	21.1	28.7	27.0	27.6	28.5	27.6	28.0	29.6	28.6	29.1
5	23.1	21.1	21.9	28.9	27.1	28.1	28.2	27.2	27.7	29.0	28.0	28.5
6	23.6	21.9	22.5	29.0	27.2	28.2	29.1	27.5	28.2	28.0	26.1	26.9
7	22.9	22.4	22.7	28.9	27.1	28.0	28.4	27.4	27.9	27.2	25.6	26.5
8	23.8	22.6	22.9	28.6	27.2	27.8	28.2	27.1	27.6	27.2	25.0	26.2
9	26.4	23.3	24.3	29.7	27.5	28.4	27.4	26.8	27.1	26.1	24.8	25.5
10	26.5	24.3	25.1	28.9	28.2	28.5	27.1	26.4	26.7	25.9	24.3	25.0
11	26.4	24.6	25.3	29.2	27.2	28.2	27.3	26.1	26.6	24.3	23.1	23.6
12	27.1	25.1	26.0	28.7	27.6	28.1	27.3	26.2	26.7	23.8	23.3	23.5
13	26.7	25.6	26.1	28.0	26.5	27.2	28.6	26.2	27.0	23.6	23.1	23.4
14	27.7	25.5	26.5	26.5	25.8	26.0	28.7	26.7	27.2	24.5	22.5	23.4
15	28.0	26.2	27.0	28.2	25.1	26.1	28.4	26.8	27.3	24.0	23.5	23.7
16	28.3	27.0	27.5	27.3	25.8	26.4	27.7	26.8	27.1	---	---	---
17	27.5	26.0	26.6	30.6	26.3	27.2	28.0	26.3	26.9	---	---	---
18	27.1	25.7	26.2	28.0	26.3	27.0	28.0	26.1	26.7	---	---	---
19	26.3	25.6	25.9	27.3	26.3	26.7	27.1	26.1	26.6	---	---	---
20	27.7	25.7	26.2	28.2	26.0	26.6	27.9	26.0	26.6	23.2	22.6	22.8
21	26.2	25.2	25.7	28.1	26.4	27.3	28.3	26.0	26.7	24.6	23.1	23.8
22	26.3	24.8	25.4	28.7	26.9	27.6	27.7	26.1	26.8	24.8	24.0	24.4
23	27.4	24.6	25.7	27.4	26.7	27.1	27.9	26.3	27.0	24.2	23.5	23.8
24	28.3	25.5	26.5	27.1	26.2	26.6	27.7	26.5	27.1	24.8	23.3	24.0
25	27.7	25.6	26.4	28.6	26.4	27.0	27.4	26.1	26.6	25.9	23.5	24.3
26	28.0	25.6	26.6	28.6	26.6	27.3	27.7	26.1	26.6	24.7	23.0	23.7
27	28.2	26.4	27.2	28.1	26.7	27.3	27.8	26.8	27.1	25.0	23.4	23.9
28	28.0	27.0	27.5	28.4	26.7	27.4	28.3	27.1	27.5	24.6	23.5	24.0
29	29.2	27.3	28.0	28.8	27.1	27.8	28.6	27.4	27.9	24.3	22.8	23.5
30	29.5	28.1	28.6	30.1	27.6	28.3	29.2	27.7	28.2	23.1	21.9	22.5
31	---	---	---	30.0	28.0	28.5	30.0	27.9	28.8	---	---	---
MONTH	29.5	19.9	25.1	30.6	25.1	27.5	30.0	26.0	27.3	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	26.0	26.2	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	12.0	10.2	11.0	---	---	---
5	26.4	25.8	26.1	---	---	---	---	---	---	---	---	---
6	26.2	25.9	26.1	---	---	---	---	---	---	---	---	---
7	26.2	26.1	26.2	16.1	15.5	15.8	8.5	8.0	8.2	9.1	7.1	8.0
8	26.2	26.0	26.1	---	---	---	9.0	8.0	8.5	8.3	6.2	7.7
9	26.1	24.8	25.6	16.2	15.7	15.9	8.2	7.8	8.0	8.2	7.6	8.0
10	25.6	25.2	25.4	16.2	15.3	15.8	---	---	---	8.4	7.8	8.0
11	25.4	24.3	24.8	17.2	15.5	16.3	8.2	7.9	8.1	8.0	7.8	7.9
12	24.6	24.3	24.4	---	---	---	---	---	---	8.1	7.9	8.0
13	24.4	24.2	24.4	17.5	16.1	16.7	---	---	---	8.3	8.0	8.2
14	24.4	23.2	23.8	16.9	16.0	16.6	---	---	---	8.4	8.1	8.2
15	23.4	21.6	22.7	16.9	16.5	16.6	---	---	---	8.3	7.4	7.9
16	21.8	21.1	21.4	---	---	---	---	---	---	---	---	---
17	21.6	21.3	21.5	---	---	---	---	---	---	7.9	7.0	7.3
18	21.5	21.2	21.3	---	---	---	---	---	---	7.4	6.3	6.9
19	21.6	21.2	21.4	---	---	---	---	---	---	7.1	6.3	6.7
20	21.5	21.3	21.4	---	---	---	---	---	---	6.7	5.3	6.1
21	21.4	21.0	21.1	---	---	---	---	---	---	6.3	5.7	5.9
22	21.1	21.0	21.0	---	---	---	9.9	8.7	9.4	6.0	5.7	5.9
23	21.1	21.0	21.1	---	---	---	9.9	9.6	9.8	6.1	2.8	4.9
24	---	---	---	---	---	---	10.1	8.8	9.9	3.5	1.7	2.3
25	---	---	---	---	---	---	---	---	---	3.0	2.0	2.5
26	---	---	---	---	---	---	---	---	---	2.8	2.3	2.6
27	---	---	---	---	---	---	---	---	---	2.9	2.3	2.5
28	---	---	---	---	---	---	---	---	---	3.1	2.5	2.8
29	---	---	---	---	---	---	---	---	---	3.4	2.9	3.2
30	---	---	---	---	---	---	---	---	---	3.7	3.2	3.5
31	---	---	---	---	---	---	---	---	---	3.6	3.1	3.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.1	3.6	3.9	9.3	8.5	8.8	15.8	14.7	15.1	21.3	20.4	20.9
2	4.3	4.0	4.2	10.4	9.1	9.8	---	---	---	21.4	20.6	20.9
3	5.4	4.3	4.6	10.8	9.4	10.1	---	---	---	21.3	20.7	21.0
4	8.3	5.1	6.9	10.5	9.6	10	---	---	---	20.8	19.3	20.0
5	7.9	6.9	7.4	11.7	9.9	10.9	---	---	---	19.3	18.4	18.8
6	7.2	6.8	7.0	12.0	11.2	11.6	---	---	---	19.8	18.6	19.0
7	7.2	6.8	7.0	11.8	9.9	10.8	---	---	---	21.2	19.6	20.0
8	7.0	6.8	6.9	10.8	9.3	9.9	---	---	---	23.0	20.8	21.6
9	7.1	6.8	6.9	11.8	10.2	11.0	---	---	---	23.8	21.8	22.7
10	7.2	6.9	7.0	12.2	11.0	11.6	---	---	---	23.6	22.5	23.0
11	7.3	7.0	7.1	11.6	10.8	11.1	---	---	---	25.5	23.4	24.3
12	7.8	7.2	7.4	12.1	10.6	11.1	---	---	---	24.7	23.5	24.0
13	7.6	7.3	7.5	13.1	11.6	12.3	---	---	---	23.6	21.2	22.4
14	7.6	7.4	7.5	12.7	12.2	12.5	---	---	---	22.8	21.2	21.8
15	8.0	7.1	7.5	12.3	11.9	12.0	---	---	---	22.6	21.8	22.2
16	7.7	7.4	7.6	13.7	12.0	12.8	---	---	---	22.4	21.5	21.8
17	7.8	7.0	7.5	14.3	13.6	13.8	17.4	16.0	16.6	23.1	21.3	22.1
18	7.6	7.2	7.4	14.8	13.8	14.2	17.3	16.5	16.8	21.9	21.2	21.5
19	7.6	6.8	7.4	14.5	14.0	14.3	17.3	16.7	16.9	21.4	19.6	20.2
20	7.7	6.8	7.3	14.8	14.2	14.5	17.3	16.2	16.7	20.9	19.2	19.8
21	7.8	7.3	7.6	16.2	14.8	15.4	17.8	16.6	17.0	20.7	19.5	20.0
22	10.3	7.5	8.7	17.3	15.6	16.3	18.6	17.3	17.8	20.9	20.2	20.5
23	11.9	10.1	10.7	17.1	16.3	16.7	18.7	17.3	17.8	20.8	19.9	20.2
24	11.1	10.0	10.5	17.2	16.1	16.6	18.5	17.2	17.8	20.5	19.6	19.8
25	10.8	10.1	10.5	17.5	16.3	16.6	18.1	17.5	17.7	20.9	19.2	19.7
26	10.7	9.5	10.0	17.8	16.7	17.1	18.8	17.3	17.7	21.5	19.9	20.4
27	9.5	9.0	9.2	17.3	16.7	17.0	18.8	17.7	18.2	20.9	20.2	20.6
28	9.4	8.5	8.9	17.8	16.5	17.1	19.1	17.9	18.3	20.9	19.5	20.1
29	---	---	---	---	---	---	20.6	18.6	19.2	21.0	19.8	20.4
30	---	---	---	18.6	16.5	18.0	21.4	19.4	19.8	21.3	19.7	20.4
31	---	---	---	16.5	15.0	15.5	---	---	---	21.2	20.4	20.7
MONTH	11.9	3.6	7.6	---	---	---	---	---	---	25.5	18.4	21.0

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.8	19.9	20.7	28.6	27.0	28.0	28.8	27.6	28.1	29.6	27.4	28.8
2	21.5	20.1	20.8	27.6	26.5	26.9	28.5	27.7	28.1	29.4	28.5	28.9
3	21.6	20.3	20.9	27.7	26.0	26.8	28.4	27.5	27.9	29.7	28.5	29.0
4	21.5	20.6	21.1	28.4	27.0	27.2	28.5	27.4	27.9	29.5	28.5	28.8
5	22.6	21.1	21.6	28.7	27.0	27.7	28.1	27.2	27.6	29.1	27.6	28.3
6	22.9	21.9	22.3	28.8	27.1	27.9	29.0	27.4	28.1	27.6	27.4	27.6
7	22.9	22.4	22.6	28.7	27.0	27.6	28.3	27.3	27.9	27.5	27.2	27.3
8	23.7	22.6	22.9	28.6	27.1	27.4	28.1	27.0	27.5	27.3	27.2	27.3
9	24.7	23.3	23.7	28.9	27.5	27.8	27.3	26.8	27.0	27.2	26.7	27.0
10	26.0	24.4	25.0	28.8	28.0	28.3	27.0	26.3	26.7	26.8	24.9	25.7
11	26.6	24.6	25.3	29.1	27.1	28.1	27.1	26.1	26.4	26.2	23.4	24.1
12	27.2	25.3	26.0	28.6	27.5	27.8	27.0	26.1	26.4	23.7	23.3	23.5
13	26.9	25.8	26.3	27.9	26.4	27.1	27.3	26.1	26.4	23.9	23.6	23.7
14	27.9	25.7	26.5	26.4	25.6	25.9	27.3	26.5	26.8	23.9	23.5	23.8
15	27.9	26.4	26.8	26.2	25.1	25.4	27.4	26.7	26.9	23.8	23.4	23.6
16	28.2	27.1	27.6	27.2	25.7	26.2	27.6	26.5	26.9	---	---	---
17	27.7	26.2	26.8	28.0	26.2	26.6	27.9	26.1	26.6	---	---	---
18	27.0	25.9	26.2	27.6	26.3	26.7	27.0	26.0	26.5	---	---	---
19	26.4	25.8	26.0	27.1	26.1	26.6	27.0	26.0	26.5	---	---	---
20	26.8	25.8	26.1	27.2	25.8	26.1	27.1	25.9	26.4	23.1	22.5	22.8
21	26.4	25.4	25.9	28.0	26.1	26.9	27.3	26.0	26.6	23.1	22.6	22.9
22	26.0	24.7	25.3	28.5	26.8	27.4	27.6	26.1	26.6	24.6	22.7	23.4
23	25.7	24.5	24.9	27.3	26.5	26.9	27.6	26.3	26.8	24.0	23.3	23.5
24	25.1	24.6	24.9	26.8	26.0	26.3	27.6	26.4	27.0	24.4	23.1	23.6
25	25.3	25.0	25.1	27.1	26.3	26.5	27.2	26.0	26.5	24.1	23.4	23.7
26	25.5	25.0	25.2	28.0	26.4	26.9	27.2	26.1	26.4	23.9	23.6	23.7
27	26.8	25.2	25.7	27.9	26.5	26.9	27.5	26.7	26.9	24.0	23.6	23.8
28	27.8	26.5	27.0	28.4	26.6	27.2	28.1	27.0	27.3	24.2	23.7	23.9
29	28.6	27.1	27.5	28.1	27.0	27.4	28.6	27.4	27.8	24.4	23.6	23.9
30	28.6	27.5	28.1	28.8	27.5	28.0	28.8	27.7	28.0	24.0	23.5	23.8
31	---	---	---	29.0	27.8	28.2	29.4	27.8	28.3	---	---	---
MONTH	28.6	19.9	24.8	29.1	25.1	27.1	29.4	25.9	27.1	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	0.6	2.2	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	8.0	5.8	7.1	---	---	---
5	7.1	0.5	4.7	---	---	---	---	---	---	---	---	---
6	6.9	0.4	3.5	---	---	---	---	---	---	---	---	---
7	6.5	0.8	2.2	9.5	7.1	8.0	---	---	---	10.3	8.0	9.4
8	7.0	0.4	3.6	---	---	---	10.0	8.1	8.8	10.4	9.6	10.1
9	5.9	1.4	3.5	8.2	5.8	7.2	9.4	7.7	8.7	10.6	9.5	10.4
10	6.0	0.8	2.6	8.0	7.1	7.6	---	---	---	10.3	8.6	9.7
11	5.1	2.2	4.1	8.0	7.5	7.7	9.2	8.5	8.9	10.1	7.5	9.3
12	5.8	3.1	4.6	---	---	---	---	---	---	10.5	7.8	9.6
13	5.4	2.1	3.0	7.6	6.8	7.3	---	---	---	10.5	7.9	9.7
14	8.3	2.2	5.6	7.9	4.8	6.9	---	---	---	11.0	5.4	9.4
15	6.8	4.3	5.6	7.2	3.1	5.5	---	---	---	11.2	8.7	10.4
16	6.2	2.8	4.3	---	---	---	---	---	---	11.0	7.7	10.1
17	4.8	2.7	3.8	---	---	---	---	---	---	10.7	9.9	10.3
18	4.3	2.3	3.4	---	---	---	---	---	---	11.3	9.9	10.5
19	5.3	1.5	3.0	---	---	---	---	---	---	11.0	9.3	10.5
20	4.4	1.2	2.5	---	---	---	---	---	---	11.3	9.7	10.8
21	2.1	0.8	1.4	---	---	---	---	---	---	11.3	9.1	10.6
22	2.3	0.9	1.5	---	---	---	9.3	8.6	8.9	10.7	8.2	9.3
23	2.1	1.1	1.5	---	---	---	9.0	8.6	8.8	11.3	9.1	10.4
24	---	---	---	---	---	---	9.4	8.0	8.6	11.9	10.4	11.1
25	---	---	---	---	---	---	---	---	---	11.9	11.3	11.5
26	---	---	---	---	---	---	---	---	---	11.9	11.2	11.5
27	---	---	---	---	---	---	---	---	---	12.0	11.2	11.7
28	---	---	---	---	---	---	---	---	---	12.3	11.5	11.9
29	---	---	---	---	---	---	---	---	---	12.4	11.6	12.0
30	---	---	---	---	---	---	---	---	---	12.2	11.0	11.8
31	---	---	---	---	---	---	---	---	---	11.4	9.8	10.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.2	9.6	10.6	9.3	8.8	9.0	8.6	6.2	7.1	5.7	5.1	5.4
2	11.2	9.6	10.6	9.3	8.7	9.0	8.2	6.6	7.4	5.5	5.1	5.3
3	11.2	9.6	10.8	9.2	7.4	8.8	6.9	6.5	6.8	5.6	4.9	5.2
4	11.0	10.3	10.7	9.2	8.6	8.9	7.0	6.2	6.7	5.5	5.0	5.2
5	11.0	10.0	10.6	9.0	8.3	8.7	6.8	6.1	6.6	5.4	4.8	5.0
6	11.3	9.2	10.7	8.8	8.1	8.4	7.4	5.9	6.7	5.5	5.2	5.4
7	11.4	9.9	10.6	9.0	8.0	8.6	7.1	5.3	6.4	5.3	4.8	5.1
8	11.4	9.2	10.5	8.2	7.8	8.0	6.2	5.8	6.0	5.5	4.9	5.1
9	10.9	9.4	10.2	8.2	7.7	8.0	7.2	6.2	6.8	5.2	4.6	4.9
10	10.6	7.4	9.6	8.8	7.2	7.9	8.6	6.6	8.0	5.4	4.5	4.9
11	11.6	9.3	10.4	8.0	6.5	7.3	7.0	6.2	6.6	5.5	4.7	5.1
12	11.6	10.6	11.1	7.7	5.9	6.7	7.0	6.7	6.8	6.1	5.1	5.6
13	11.8	10.7	11.2	7.6	6.0	6.5	7.1	6.6	6.8	6.2	4.6	5.6
14	11.2	10.5	10.8	8.3	6.2	7.7	7.0	6.4	6.6	6.3	4.5	5.6
15	10.9	10.4	10.7	7.4	6.2	6.8	6.7	6.1	6.4	5.3	4.8	5.1
16	10.8	9.9	10.6	7.8	6.0	6.8	7.0	6.2	6.6	5.3	4.7	5.1
17	10.9	10.3	10.6	7.3	5.9	6.3	7.2	6.6	6.8	6.0	4.8	5.5
18	10.7	10.3	10.5	7.4	6.3	6.7	7.3	6.2	6.6	6.7	5.7	6.2
19	10.6	10.2	10.4	7.5	6.3	6.9	6.6	6.3	6.5	6.9	5.8	6.5
20	10.6	10.2	10.4	8.4	6.6	7.8	6.4	6.0	6.2	6.8	5.9	6.3
21	10.5	10.0	10.3	7.8	6.0	6.9	6.3	5.5	5.9	6.0	4.5	5.5
22	10.3	9.9	10.1	6.6	5.4	5.8	6.1	5.6	5.8	6.0	5.0	5.5
23	10.0	8.9	9.6	6.3	5.4	5.8	6.5	5.9	6.1	6.7	5.4	6.1
24	9.8	8.5	9.2	7.3	5.4	5.9	6.1	5.5	5.9	6.8	5.1	6.0
25	9.9	8.9	9.3	6.7	5.2	5.9	6.4	5.9	6.1	5.4	4.7	5.0
26	9.9	9.3	9.6	7.7	5.5	6.3	6.3	5.5	5.9	5.4	5.0	5.2
27	9.5	8.9	9.2	7.1	5.9	6.5	6.0	5.2	5.6	5.8	5.0	5.4
28	9.5	8.9	9.3	7.7	5.7	6.8	5.7	5.0	5.4	5.4	4.8	5.1
29	---	---	---	---	---	---	5.8	4.9	5.4	5.6	5.0	5.2
30	---	---	---	8.1	5.3	6.6	5.7	5.2	5.4	5.8	5.0	5.4
31	---	---	---	7.1	6.2	6.6	---	---	---	6.4	5.5	5.8
MONTH	11.8	7.4	10.3	---	---	---	8.6	4.9	6.4	6.9	4.5	5.4

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	5.6	6.0	7.6	6.2	6.8	5.7	4.7	5.1	5.4	4.2	4.8
2	6.2	5.6	5.9	6.9	6.0	6.3	5.8	5.2	5.4	5.3	4.5	5.0
3	6.4	5.4	5.9	6.3	5.4	5.9	5.9	5.0	5.5	6.7	4.9	5.7
4	6.4	5.6	6.0	6.6	5.8	6.1	6.0	5.2	5.6	6.1	5.2	5.7
5	6.2	5.7	6.0	6.1	5.3	5.6	6.3	5.2	5.7	6.3	5.4	5.9
6	6.2	5.5	5.8	6.0	5.2	5.6	6.4	5.4	5.8	6.3	3.0	5.6
7	6.5	5.7	6.1	6.0	5.1	5.4	6.0	5.4	5.7	5.8	0.1	1.7
8	6.4	5.4	5.9	6.2	5.1	5.5	6.0	5.1	5.6	5.1	0.1	2.2
9	5.9	5.0	5.4	5.8	4.9	5.3	5.7	5.3	5.5	5.0	1.2	3.5
10	5.7	4.7	5.2	5.5	4.9	5.2	5.9	5.2	5.5	5.1	3.8	4.6
11	5.6	4.7	5.2	6.1	4.9	5.4	5.7	5.1	5.3	5.6	3.8	4.9
12	5.6	4.8	5.2	5.7	4.7	5.1	5.4	4.7	5.1	5.7	4.9	5.4
13	5.5	4.9	5.2	5.2	4.5	4.8	5.2	4.4	4.9	5.2	4.3	4.7
14	5.8	4.8	5.1	5.4	4.6	5.0	5.1	4.2	4.7	6.5	3.2	4.6
15	5.5	4.8	5.2	4.8	3.9	4.3	4.9	4.3	4.5	5.9	1.9	3.9
16	6.2	5.1	5.6	4.5	3.8	4.2	5.1	4.4	4.8	---	---	---
17	5.5	4.6	5.0	4.8	4.0	4.3	5.8	4.7	5.0	---	---	---
18	5.0	3.8	4.5	5.5	4.4	5.0	5.6	4.3	4.8	---	---	---
19	4.6	3.9	4.2	5.4	4.9	5.1	4.9	4.5	4.7	---	---	---
20	4.9	4.0	4.3	5.2	4.3	4.8	4.7	4.1	4.3	5.0	2.6	3.5
21	5.1	4.0	4.5	5.6	4.5	5.0	4.5	3.9	4.2	3.7	2.4	2.9
22	5.6	4.4	5.0	5.9	5.0	5.3	4.4	3.9	4.1	4.4	3.1	3.8
23	7.0	4.4	5.4	6.0	5.1	5.5	4.2	3.8	4.0	4.3	2.5	3.2
24	6.6	5.0	5.7	5.9	4.9	5.3	4.2	4.0	4.1	3.7	1.4	2.3
25	6.7	3.5	4.9	5.2	4.2	4.7	4.3	3.7	4.0	2.5	1.6	2.0
26	7.9	3.5	5.8	4.9	3.8	4.5	4.4	3.6	3.9	2.2	0.9	1.6
27	7.9	5.8	6.5	4.8	3.9	4.3	4.1	3.7	3.9	3.1	1.4	2.2
28	7.2	5.3	6.1	5.5	4.4	4.9	4.1	3.6	3.9	3.8	2.7	3.2
29	7.5	5.1	6.1	5.6	4.8	5.1	4.8	3.6	4.1	4.3	3.1	3.8
30	7.6	5.3	6.3	5.5	4.5	5.0	4.8	4.0	4.3	4.5	3.3	3.8
31	---	---	---	6.0	4.7	5.1	5.2	4.0	4.5	---	---	---
MONTH	7.9	3.5	5.5	7.6	3.8	5.2	6.4	3.6	4.8	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.5	0.0	1.1	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	6.4	2.8	5.2	---	---	---
5	0.2	0.0	0.1	---	---	---	---	---	---	---	---	---
6	1.0	0.1	0.3	---	---	---	---	---	---	---	---	---
7	0.6	0.1	0.3	5.5	1.9	4.1	8.6	8.1	8.3	9.0	4.0	7.2
8	1.8	0.2	1.1	---	---	---	8.9	7.0	7.9	9.7	5.8	7.6
9	2.8	0.3	1.1	3.3	0.5	1.8	8.8	7.8	8.3	8.6	6.1	7.2
10	0.9	0.3	0.5	7.8	0.2	3.0	---	---	---	8.0	6.3	7.2
11	4.7	0.4	2.1	8.2	3.3	6.7	8.6	7.8	8.1	8.1	7.1	7.8
12	4.3	2.2	3.3	---	---	---	---	---	---	8.0	7.3	7.7
13	3.5	1.8	2.5	7.5	2.4	5.0	---	---	---	7.6	6.5	7.0
14	6.2	0.8	3.8	7.1	2.6	4.3	---	---	---	6.9	5.5	6.1
15	6.1	3.6	4.8	4.2	2.6	3.4	---	---	---	6.3	4.6	5.6
16	6.2	3.3	4.4	---	---	---	---	---	---	---	---	---
17	4.1	2.5	3.6	---	---	---	---	---	---	7.3	5.0	6.1
18	3.2	1.0	2.6	---	---	---	---	---	---	7.5	5.0	6.0
19	2.5	0.4	1.3	---	---	---	---	---	---	7.1	4.4	5.9
20	1.6	0.0	0.3	---	---	---	---	---	---	9.5	4.8	6.3
21	1.2	0.0	0.5	---	---	---	---	---	---	9.0	4.8	7.3
22	1.5	0.7	1.1	---	---	---	9.3	7.0	8.0	8.5	6.2	7.4
23	1.2	0.5	0.7	---	---	---	8.4	7.1	7.9	10.9	6.0	8.5
24	---	---	---	---	---	---	9.1	7.6	8.3	11.8	10.3	11.2
25	---	---	---	---	---	---	---	---	---	11.6	10.5	11.1
26	---	---	---	---	---	---	---	---	---	11.2	10.6	10.9
27	---	---	---	---	---	---	---	---	---	12.1	10.4	11.3
28	---	---	---	---	---	---	---	---	---	12.2	9.9	11.2
29	---	---	---	---	---	---	---	---	---	11.9	9.8	11.0
30	---	---	---	---	---	---	---	---	---	10.8	8.2	9.4
31	---	---	---	---	---	---	---	---	---	10.3	9.6	10
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.8	8.6	9.3	9.3	8.8	9.0	7.4	6.7	7.0	5.3	4.6	4.9
2	9.7	8.9	9.3	9.3	8.8	9.0	---	---	---	5.3	4.5	5.0
3	10.5	8.4	9.4	9.1	6.9	8.6	---	---	---	5.6	4.4	5.0
4	10.9	9.1	10.1	9.1	8.6	8.9	---	---	---	5.4	4.8	5.1
5	10.1	8.6	9.5	9.1	8.3	8.8	---	---	---	5.1	4.4	4.8
6	8.9	7.5	8.3	8.9	8.2	8.5	---	---	---	5.2	4.7	5.0
7	8.8	6.6	7.7	9.1	8.1	8.6	---	---	---	4.9	4.1	4.6
8	7.2	6.3	6.7	8.2	7.6	7.9	---	---	---	5.1	4.3	4.7
9	8.1	5.9	7.2	8.2	7.7	8.0	---	---	---	5.0	4.0	4.6
10	9.7	5.3	6.7	8.1	7.6	7.9	---	---	---	5.1	4.0	4.6
11	11.4	6.5	8.1	8.0	7.6	7.8	---	---	---	5.4	4.0	4.9
12	12.0	7.6	9.8	7.8	7.4	7.6	---	---	---	6.2	4.9	5.5
13	10.3	7.6	9.7	7.9	7.5	7.7	---	---	---	5.9	0.6	3.4
14	10.0	7.3	9.0	8.7	7.8	8.1	---	---	---	5.6	2.0	3.4
15	9.5	6.4	8.2	7.9	7.4	7.6	---	---	---	5.5	2.9	4.5
16	8.5	6.4	7.4	7.8	7.4	7.6	---	---	---	5.6	2.8	4.9
17	9.5	6.6	8.1	7.6	7.2	7.4	7.5	6.7	7.0	6.3	1.6	4.2
18	8.7	6.9	8.0	7.8	7.4	7.5	7.6	6.3	6.8	5.7	1.6	3.0
19	9.1	6.2	7.9	8.1	7.4	7.8	6.8	6.4	6.6	7.4	1.7	6.5
20	9.1	5.0	7.4	8.2	7.4	7.8	6.5	6.1	6.3	7.4	4.3	6.4
21	9.9	5.4	7.3	7.6	6.8	7.2	6.3	5.6	6.0	5.6	3.9	4.9
22	10.2	8.8	9.8	6.9	6.3	6.6	6.2	5.5	5.9	6.1	5.0	5.6
23	9.9	8.8	9.5	6.6	6.2	6.4	6.6	6.0	6.2	7.4	5.8	6.6
24	9.7	8.7	9.1	6.6	6.2	6.3	6.3	5.6	6.0	7.3	5.4	6.3
25	9.8	8.8	9.2	6.6	5.8	6.2	6.3	5.7	6.0	5.6	4.9	5.2
26	9.8	9.2	9.5	6.8	6.3	6.5	6.2	5.0	5.7	5.7	5.1	5.3
27	9.6	8.8	9.1	7.1	6.6	6.8	5.6	4.8	5.3	6.0	5.1	5.6
28	9.6	8.9	9.3	6.7	5.9	6.4	5.5	4.4	5.0	5.7	4.8	5.2
29	---	---	---	---	---	---	5.4	4.5	5.0	5.9	5.0	5.3
30	---	---	---	7.1	6.1	6.6	5.3	4.6	4.9	6.1	5.0	5.6
31	---	---	---	7.2	6.7	6.9	---	---	---	6.7	6.0	6.2
MONTH	12.0	5.0	8.6	---	---	---	---	---	---	7.4	0.6	5.1



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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.0	6.4	6.4	1.4	4.1	5.4	4.4	4.8	5.5	0.0	3.4
2	6.4	6.1	6.2	6.8	0.8	3.7	5.8	5.0	5.3	5.3	4.0	4.6
3	6.6	5.9	6.2	6.4	5.4	6.0	6.2	4.9	5.5	6.7	4.5	5.3
4	6.6	6.0	6.4	6.4	5.2	5.8	6.1	5.1	5.6	6.4	4.2	5.3
5	6.5	5.9	6.2	5.9	4.8	5.4	6.5	5.2	5.7	5.7	0.0	2.6
6	6.3	5.8	6.0	6.1	5.1	5.5	6.5	5.5	5.9	0.1	0.0	0.0
7	6.6	6.0	6.3	5.8	5.0	5.3	6.2	5.7	6.0	0.0	0.0	0.0
8	6.5	5.6	6.0	5.9	4.6	5.2	6.2	5.5	5.8	0.1	0.0	0.0
9	6.2	5.1	5.7	5.2	4.4	4.7	5.9	5.5	5.7	0.1	0.0	0.1
10	5.7	4.9	5.2	5.2	4.2	4.7	6.0	5.4	5.7	5.6	0.1	2.5
11	6.0	4.8	5.4	5.7	4.6	5.0	6.0	4.9	5.5	6.6	0.1	4.5
12	5.9	5.2	5.5	5.4	4.4	4.7	5.7	4.5	5.2	6.7	5.6	6.3
13	5.8	5.1	5.3	5.0	4.2	4.5	5.3	4.2	4.7	6.6	4.8	5.6
14	5.8	4.9	5.2	5.2	4.3	4.8	5.1	4.2	4.6	5.0	3.8	4.4
15	5.5	4.9	5.2	4.7	3.6	4.1	4.7	4.2	4.5	5.3	0.9	2.6
16	6.3	5.0	5.5	4.5	3.6	4.0	5.1	4.3	4.8	---	---	---
17	5.6	4.8	5.1	4.8	3.7	4.2	5.8	4.5	4.9	---	---	---
18	5.1	3.9	4.5	5.3	4.3	4.8	5.7	4.4	4.8	---	---	---
19	4.8	3.8	4.2	5.2	4.8	5.0	4.9	4.5	4.6	---	---	---
20	4.7	4.0	4.3	5.0	4.0	4.4	4.8	3.8	4.2	4.6	2.8	3.6
21	5.0	4.0	4.5	5.5	4.4	4.7	4.4	3.7	4.1	3.2	0.6	2.5
22	5.3	3.8	4.6	5.6	4.9	5.2	4.3	3.7	3.9	4.3	0.3	1.9
23	5.7	3.5	4.5	5.7	5.0	5.4	4.2	3.6	3.9	4.2	2.2	2.9
24	4.0	0.5	1.9	5.5	4.2	5.0	4.2	3.8	4.0	2.6	1.0	2.0
25	1.6	0.2	0.5	4.9	4.0	4.4	4.2	3.5	3.9	1.9	0.0	1.0
26	1.9	0.2	0.9	4.6	3.7	4.2	3.9	3.4	3.7	0.2	0.0	0.1
27	5.5	0.1	1.6	4.5	3.6	4.0	4.0	3.2	3.7	2.6	0.0	0.5
28	6.2	3.7	5.0	5.1	4.2	4.6	4.1	3.4	3.8	2.4	0.0	0.4
29	6.1	4.3	5.3	5.2	4.2	4.7	4.9	3.6	4.0	3.7	0.0	1.3
30	6.2	3.9	5.2	5.5	4.3	4.7	4.8	3.5	4.1	1.1	0.0	0.3
31	---	---	---	5.7	4.4	4.9	4.8	3.6	4.2	---	---	---
MONTH	6.8	0.1	4.8	6.8	0.8	4.8	6.5	3.2	4.7	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	46	7	27	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	67	51	60	---	---	---
5	90	6	60	---	---	---	---	---	---	---	---	---
6	87	5	43	---	---	---	---	---	---	---	---	---
7	81	10	27	93	70	78	---	---	---	85	68	78
8	85	5	44	---	---	---	84	69	73	87	79	83
9	71	17	43	80	57	71	78	65	72	90	81	86
10	72	10	32	81	70	76	---	---	---	87	72	82
11	61	27	49	83	76	79	76	71	74	85	63	78
12	70	37	55	---	---	---	---	---	---	86	66	79
13	65	25	37	79	70	74	---	---	---	85	65	79
14	97	26	66	78	49	68	---	---	---	90	46	76
15	78	50	65	71	32	55	---	---	---	89	71	84
16	71	32	49	---	---	---	---	---	---	85	63	80
17	54	31	43	---	---	---	---	---	---	85	79	82
18	47	26	38	---	---	---	---	---	---	89	75	82
19	58	17	33	---	---	---	---	---	---	86	74	82
20	49	14	28	---	---	---	---	---	---	90	77	84
21	24	9	16	---	---	---	---	---	---	88	73	84
22	26	10	17	---	---	---	81	73	77	82	65	73
23	24	12	17	---	---	---	79	73	76	85	72	79
24	---	---	---	---	---	---	81	71	74	87	77	81
25	---	---	---	---	---	---	---	---	---	87	82	84
26	---	---	---	---	---	---	---	---	---	89	83	85
27	---	---	---	---	---	---	---	---	---	89	83	86
28	---	---	---	---	---	---	---	---	---	92	85	89
29	---	---	---	---	---	---	---	---	---	96	87	92
30	---	---	---	---	---	---	---	---	---	95	85	91
31	---	---	---	---	---	---	---	---	---	87	75	81
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	87	73	82	82	76	78	86	61	70	65	57	60
2	89	74	83	83	76	80	81	68	74	62	57	60
3	92	75	87	83	67	79	72	67	70	63	55	58
4	92	87	90	82	76	79	75	64	70	61	55	57
5	94	85	90	82	76	79	74	66	70	58	51	54
6	95	77	89	81	75	78	79	62	72	61	57	59
7	95	83	88	83	71	78	75	55	66	60	54	56
8	94	76	86	73	70	71	61	58	60	64	55	59
9	92	78	85	74	71	73	69	61	66	62	53	57
10	88	61	79	81	67	72	82	62	76	66	53	58
11	97	76	86	73	59	66	65	58	61	67	55	61
12	98	88	92	72	53	61	66	62	64	73	60	66
13	100	88	93	71	56	61	69	63	66	73	53	65
14	93	85	88	78	58	72	68	62	65	73	51	65
15	91	87	89	69	58	63	66	60	64	62	56	59
16	90	82	88	73	58	65	72	62	67	64	54	59
17	90	85	87	71	57	61	75	67	70	70	57	64
18	87	83	86	72	61	66	76	64	68	76	65	70
19	88	81	84	74	62	68	68	66	67	77	65	72
20	89	83	86	83	64	77	66	62	64	75	66	71
21	88	83	86	77	61	69	65	58	62	68	50	62
22	91	84	87	67	56	60	64	59	62	68	56	62
23	90	80	87	66	56	60	68	62	65	74	61	68
24	89	75	82	74	55	60	64	59	63	75	57	66
25	90	79	84	71	53	61	67	62	64	61	51	56
26	89	82	85	81	57	65	66	58	62	61	56	58
27	83	78	80	74	61	68	65	55	59	65	56	61
28	83	77	80	79	59	70	61	54	58	59	53	57
29	---	---	---	---	---	---	65	53	59	63	55	58
30	---	---	---	86	57	70	65	57	59	66	55	60
31	---	---	---	72	62	67	---	---	---	72	61	65
MONTH	100	61	86	---	---	---	86	53	65	77	50	61

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	74	62	68	99	80	89	74	60	66	72	55	63
2	70	62	66	89	75	81	75	66	70	70	58	65
3	73	60	66	79	67	75	76	64	70	89	63	75
4	73	63	68	86	73	78	78	66	72	80	67	75
5	71	66	68	79	67	72	81	66	73	82	70	76
6	73	63	67	78	66	72	82	69	75	79	37	71
7	76	66	71	78	64	70	77	69	73	71	1	21
8	74	63	69	80	64	71	77	64	71	62	1	27
9	71	60	65	74	63	68	72	67	69	61	15	43
10	71	56	64	72	63	68	74	65	69	61	47	56
11	70	57	64	80	63	69	71	64	67	66	45	58
12	71	59	64	74	60	65	68	60	64	67	58	64
13	69	60	64	65	57	60	67	55	61	62	50	55
14	74	59	64	67	57	62	65	53	59	77	38	54
15	70	60	65	59	49	54	63	54	57	70	23	46
16	79	64	71	57	47	52	65	55	60	---	---	---
17	70	57	63	64	50	55	74	58	62	---	---	---
18	63	47	56	71	55	63	70	54	61	---	---	---
19	57	48	52	68	61	64	62	56	59	---	---	---
20	62	49	54	67	54	60	59	51	54	59	30	40
21	63	49	55	72	56	63	57	48	53	45	28	35
22	69	53	61	76	63	68	56	49	52	53	37	46
23	89	53	67	76	64	70	54	48	51	51	30	38
24	83	61	71	74	61	66	54	50	52	44	17	27
25	85	43	61	65	53	59	55	46	49	31	19	24
26	101	43	72	63	48	57	56	45	48	26	11	19
27	101	73	83	61	49	55	52	46	49	38	16	27
28	92	67	77	71	55	62	53	45	49	46	32	39
29	98	65	79	73	61	65	62	46	52	51	37	45
30	100	68	81	72	58	64	63	51	55	52	38	44
31	---	---	---	80	60	67	69	51	59	---	---	---
MONTH	101	43	67	99	47	66	82	45	61	---	---	---

## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	31	0	14	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	57	26	48	---	---	---
5	2	0	1	---	---	---	---	---	---	---	---	---
6	12	1	4	---	---	---	---	---	---	---	---	---
7	7	1	4	56	19	41	73	69	70	75	35	61
8	22	2	13	---	---	---	75	61	68	78	49	64
9	34	4	13	33	5	18	74	66	70	72	52	61
10	11	4	6	79	2	30	---	---	---	67	54	61
11	56	5	25	85	33	69	73	66	69	68	60	66
12	52	26	39	---	---	---	---	---	---	68	62	65
13	42	22	30	76	25	52	---	---	---	64	55	60
14	73	10	44	72	27	44	---	---	---	59	47	52
15	70	42	56	43	27	35	---	---	---	54	39	48
16	71	37	50	---	---	---	---	---	---	---	---	---
17	46	28	40	---	---	---	---	---	---	60	42	51
18	36	11	30	---	---	---	---	---	---	61	42	50
19	28	5	15	---	---	---	---	---	---	58	36	48
20	18	0	3	---	---	---	---	---	---	75	39	51
21	14	0	6	---	---	---	---	---	---	72	39	58
22	17	8	13	---	---	---	81	62	70	68	50	59
23	14	6	8	---	---	---	74	63	69	82	48	66
24	---	---	---	---	---	---	79	68	74	86	78	82
25	---	---	---	---	---	---	---	---	---	85	78	82
26	---	---	---	---	---	---	---	---	---	82	78	80
27	---	---	---	---	---	---	---	---	---	89	77	83
28	---	---	---	---	---	---	---	---	---	90	74	82
29	---	---	---	---	---	---	---	---	---	89	74	82
30	---	---	---	---	---	---	---	---	---	81	62	71
31	---	---	---	---	---	---	---	---	---	77	72	75
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	75	66	71	81	76	78	75	66	69	60	52	55
2	75	68	71	83	76	80	---	---	---	59	51	56
3	83	65	73	81	62	76	---	---	---	63	50	57
4	90	72	83	81	76	79	---	---	---	61	53	56
5	85	71	79	82	76	79	---	---	---	55	47	51
6	74	62	68	82	75	78	---	---	---	56	50	54
7	73	54	63	84	72	78	---	---	---	54	45	51
8	59	52	55	72	68	70	---	---	---	60	48	54
9	67	49	59	75	70	73	---	---	---	59	46	53
10	80	44	56	75	69	72	---	---	---	60	47	54
11	95	54	67	73	69	71	---	---	---	65	47	59
12	100	63	82	73	67	70	---	---	---	74	58	66
13	86	63	81	74	70	72	---	---	---	70	7	39
14	84	61	76	82	73	77	---	---	---	64	23	39
15	80	54	69	74	69	71	---	---	---	63	33	52
16	71	54	62	75	70	72	---	---	---	64	32	56
17	78	55	68	73	70	72	78	69	72	73	18	48
18	72	58	66	77	72	74	78	65	71	65	18	34
19	76	51	66	80	72	76	70	66	68	81	19	72
20	75	42	62	81	72	77	67	62	65	81	47	70
21	83	45	61	75	69	73	65	59	62	62	43	54
22	89	74	84	70	64	67	65	58	63	68	56	62
23	90	79	86	68	64	66	69	63	66	82	65	73
24	88	78	82	69	63	65	66	60	63	80	59	69
25	88	78	83	68	59	64	66	60	63	62	53	57
26	88	81	84	71	65	68	65	52	60	64	57	59
27	83	77	80	74	68	71	60	51	56	67	57	63
28	83	77	80	70	61	66	59	47	53	62	53	58
29	---	---	---	---	---	---	60	48	54	66	55	59
30	---	---	---	74	65	69	60	50	54	69	55	62
31	---	---	---	73	67	70	---	---	---	75	67	70
MONTH	100	42	72	---	---	---	---	---	---	82	7	57

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	78	67	72	83	18	53	70	56	62	73	0	44
2	72	68	70	85	10	46	75	64	68	70	52	60
3	75	65	70	81	68	75	80	63	70	88	59	70
4	75	67	72	81	65	73	79	65	72	84	54	69
5	74	67	71	77	61	69	83	66	73	74	0	33
6	73	67	69	79	64	70	83	70	76	1	0	0
7	77	69	73	75	63	68	80	72	76	0	0	0
8	76	65	70	76	58	66	80	69	74	1	0	0
9	73	61	67	68	56	59	75	69	71	1	0	0
10	70	59	64	68	54	61	76	67	71	68	1	30
11	75	58	65	74	59	65	75	61	69	78	1	54
12	75	63	68	70	56	61	72	56	65	79	66	74
13	73	63	66	63	53	57	66	52	59	78	57	67
14	74	60	65	64	53	59	65	53	58	59	45	52
15	70	62	66	58	44	51	59	53	56	63	11	31
16	81	63	70	57	44	50	65	54	60	---	---	---
17	71	60	64	60	46	52	74	56	61	---	---	---
18	64	48	56	67	54	60	71	54	60	---	---	---
19	60	47	52	66	60	62	61	56	58	---	---	---
20	59	49	54	62	50	55	60	48	53	54	33	42
21	62	49	56	71	55	60	56	46	51	37	7	29
22	66	46	57	72	61	66	54	46	49	52	3	22
23	69	42	55	72	63	68	53	45	49	50	26	35
24	49	6	24	69	53	62	53	48	50	31	12	24
25	20	2	7	61	50	54	53	44	48	23	0	12
26	23	2	11	58	46	53	49	42	46	2	0	0
27	69	1	20	58	45	50	50	40	47	31	0	5
28	78	46	63	66	53	58	53	43	48	29	0	5
29	79	54	67	66	53	60	63	46	51	44	0	15
30	80	50	66	72	55	60	62	45	53	13	0	4
31	---	---	---	74	56	63	62	46	54	---	---	---
MONTH	81	1	58	85	10	60	83	40	60	---	---	---