

02092162 NEUSE RIVER AT NEW BERN, NC

LOCATION.--Lat 35°06'33", long 77°01'59", 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. 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	21.1, August 15, 2001	<0.1, on many days during the period
SALINITY (BOTTOM), ppt	19.2, August 15, 2000	<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	21.1, August 15	<0.1, on many days during the year
SALINITY (BOTTOM), ppt	18.0, August 16	<0.1, on many days during the year
pH (TOP), standard units	8.9, May 6, July 31	6.1, October 3
pH (BOTTOM), standard units	8.4, May 7	6.0, October 5, 6, March 28, 31
WATER TEMPERATURE (TOP), °C	32.7, June 27	4.6, January 11
WATER TEMPERATURE (BOTTOM), °C	31.2, August 10	3.1, December 31, January 1
DISSOLVED OXYGEN (TOP), mg/L	16.9, January 15	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	12.5, January 11	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	155, July 31	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	116, May 7	<10, on many days during the year

02092162 NEUSE RIVER AT NEW BERN, NC--Continued

SALINITY (PARTS PER THOUSAND), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	.81	.34	.52	4.2	2.8	3.3	3.8	.98	1.7	---	---	---
2	.86	.27	.58	4.0	2.4	2.8	4.4	.45	1.2	---	---	---
3	1.1	.20	.48	---	---	---	4.1	1.0	2.8	---	---	---
4	.26	.05	.12	6.1	3.2	5.0	2.3	1.0	1.8	---	---	---
5	.08	.04	.05	5.6	2.2	3.8	2.7	.84	1.4	---	---	---
6	.05	.04	.04	6.4	3.5	4.9	---	---	---	---	---	---
7	.20	.04	.12	6.0	4.3	5.1	---	---	---	---	---	---
8	.88	.16	.44	5.8	3.2	4.0	---	---	---	---	---	---
9	1.3	.33	.72	5.3	.87	3.6	---	---	---	---	---	---
10	1.0	.33	.63	4.3	.75	2.1	---	---	---	---	---	---
11	.60	.16	.33	4.8	.87	3.3	---	---	---	---	---	---
12	3.0	.14	.32	3.7	2.7	3.0	---	---	---	4.4	1.3	2.2
13	6.7	.19	1.8	6.0	2.4	3.9	---	---	---	4.5	2.3	3.0
14	6.4	1.9	4.4	4.1	2.3	2.9	---	---	---	6.5	2.5	4.0
15	6.6	.71	3.8	4.0	2.5	3.3	---	---	---	6.7	1.6	3.1
16	6.7	1.1	5.6	5.5	2.6	3.7	---	---	---	6.2	1.8	2.3
17	6.6	1.8	5.6	5.4	2.2	3.1	---	---	---	6.5	2.0	2.5
18	6.9	2.8	4.5	7.2	2.9	4.4	---	---	---	6.6	2.1	2.7
19	6.7	3.2	4.2	5.7	3.1	3.9	---	---	---	7.3	2.2	3.9
20	7.7	4.8	6.3	6.5	3.0	5.0	---	---	---	3.8	2.6	3.2
21	7.6	3.3	6.2	5.3	2.7	4.0	---	---	---	3.8	1.0	2.5
22	8.2	1.9	4.1	5.6	4.0	4.7	---	---	---	2.0	.84	1.0
23	8.9	1.6	5.3	6.6	2.2	3.5	---	---	---	3.6	1.1	2.5
24	6.6	4.2	5.3	8.4	1.2	3.2	---	---	---	4.1	2.7	3.4
25	6.7	2.8	4.8	8.3	1.3	4.4	---	---	---	---	---	---
26	5.6	3.6	4.2	5.6	2.3	3.7	---	---	---	---	---	---
27	5.3	3.4	3.9	7.0	1.7	3.2	---	---	---	3.7	2.1	2.7
28	5.5	4.3	4.9	7.2	1.5	2.8	---	---	---	2.2	1.0	1.4
29	5.4	4.8	5.0	5.2	1.3	3.3	---	---	---	2.1	.76	1.4
30	5.1	4.0	4.7	2.9	.90	2.0	---	---	---	2.0	.73	1.3
31	4.9	4.0	4.5	---	---	---	---	---	---	1.7	1.2	1.5
MONTH	8.9	.04	3.0	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.5	.48	.96	.26	.07	.14	.04	.04	.04	.08	.05	.06
2	1.7	.39	.78	.21	.06	.09	.05	.04	.04	.06	.05	.06
3	2.3	1.4	1.9	.14	.08	.11	.05	.04	.04	.07	.05	.06
4	2.1	1.7	1.9	1.8	.10	.43	.04	.04	.04	.07	.06	.06
5	3.5	1.3	2.5	2.4	.44	1.1	.04	.04	.04	.08	.06	.07
6	3.1	1.3	2.1	2.5	.36	1.4	.04	.04	.04	3.2	.07	1.0
7	2.3	.95	1.6	2.5	.64	1.7	.05	.04	.04	2.6	.48	1.2
8	2.9	.82	1.3	.94	.35	.45	.04	.04	.04	1.6	.33	.61
9	1.8	.55	.94	.70	.36	.50	.04	.03	.04	1.7	.41	.74
10	1.2	.61	.82	.91	.34	.55	.04	.04	.04	1.8	.54	.80
11	1.3	.48	.82	.44	.19	.31	.04	.04	.04	1.1	.56	.82
12	.78	.28	.53	.34	.16	.25	.04	.04	.04	1.2	.43	.78
13	1.9	.34	1.1	.47	.18	.33	.05	.04	.04	1.6	.53	1.1
14	2.6	.50	1.5	.31	.09	.21	.04	.04	.04	2.9	.42	.95
15	2.0	.62	1.0	.25	.06	.15	.05	.04	.04	2.9	.88	1.3
16	1.4	.53	.84	.36	.08	.17	2.7	.05	.43	5.0	.67	1.3
17	2.8	.56	1.5	.30	.06	.10	3.0	.20	.66	2.6	1.2	1.6
18	2.3	.76	1.2	.80	.24	.48	.48	.06	.16	2.2	.80	1.3
19	2.3	.47	.79	.45	.22	.33	.32	.05	.12	2.1	.74	1.2
20	.77	.36	.53	2.6	.36	1.2	.07	.05	.06	3.0	1.0	1.5
21	.72	.28	.46	2.9	.10	.98	.05	.05	.05	1.8	1.2	1.4
22	2.7	.54	1.4	.17	.08	.11	.06	.05	.05	1.6	.73	1.2
23	1.9	.28	.86	.25	.07	.14	.06	.05	.05	2.3	.78	1.5
24	.71	.23	.39	.08	.04	.06	.06	.05	.05	2.4	.70	1.1
25	.53	.16	.33	.18	.04	.06	.14	.05	.06	1.5	.60	1.1
26	1.0	.10	.34	.07	.04	.05	.06	.05	.05	1.6	.58	.98
27	.48	.08	.18	.06	.04	.04	.06	.05	.05	1.6	.18	.70
28	.71	.06	.20	.04	.04	.04	.86	.05	.19	.57	.18	.35
29	---	---	---	.04	.04	.04	.44	.06	.09	.59	.11	.33
30	---	---	---	.05	.04	.04	.09	.06	.07	4.9	.20	.63
31	---	---	---	.04	.04	.04	---	---	---	6.8	1.4	2.2
MONTH	3.5	.06	1.0	2.9	.04	.37	3.0	.03	.09	6.8	.05	.90





## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.6	6.3	6.4	7.9	7.4	7.7	7.5	7.1	7.3	---	---	---
2	6.6	6.3	6.4	7.7	7.1	7.5	7.5	6.8	7.0	---	---	---
3	6.4	6.1	6.3	---	---	---	7.5	7.2	7.4	---	---	---
4	6.3	6.2	6.2	7.5	6.9	7.1	7.5	7.1	7.3	---	---	---
5	6.4	6.3	6.3	7.6	6.9	7.3	7.3	7.1	7.2	---	---	---
6	6.4	6.3	6.4	7.5	7.1	7.3	---	---	---	---	---	---
7	6.5	6.4	6.4	7.4	6.9	7.1	---	---	---	---	---	---
8	6.7	6.4	6.5	7.6	6.9	7.3	---	---	---	---	---	---
9	6.7	6.4	6.6	7.6	6.7	7.0	---	---	---	---	---	---
10	6.8	6.6	6.7	7.3	6.8	7.1	---	---	---	---	---	---
11	6.9	6.6	6.7	7.4	7.1	7.2	---	---	---	---	---	---
12	6.8	6.6	6.7	7.3	7.2	7.2	---	---	---	---	---	---
13	6.8	6.6	6.8	7.3	7.0	7.2	---	---	---	---	---	---
14	6.9	6.7	6.8	7.2	7.0	7.1	---	---	---	---	---	---
15	6.9	6.7	6.8	7.2	7.1	7.1	---	---	---	---	---	---
16	7.0	6.7	6.8	7.5	7.0	7.1	---	---	---	---	---	---
17	7.0	6.7	6.8	7.4	7.1	7.2	---	---	---	---	---	---
18	7.1	6.8	7.0	7.4	7.1	7.3	---	---	---	---	---	---
19	7.1	6.9	7.0	7.5	7.2	7.4	---	---	---	---	---	---
20	7.1	6.8	6.9	7.7	7.3	7.4	---	---	---	---	---	---
21	7.2	6.8	7.0	7.7	7.4	7.5	---	---	---	---	---	---
22	7.4	6.9	7.2	7.7	7.5	7.7	---	---	---	---	---	---
23	7.5	6.9	7.2	7.9	7.5	7.6	---	---	---	---	---	---
24	7.4	7.1	7.2	7.6	7.3	7.5	---	---	---	---	---	---
25	7.9	7.1	7.2	7.8	7.3	7.5	---	---	---	---	---	---
26	7.4	7.1	7.3	7.7	7.4	7.6	---	---	---	---	---	---
27	7.4	7.0	7.2	7.7	7.3	7.5	---	---	---	---	---	---
28	7.7	7.1	7.4	7.7	7.2	7.4	---	---	---	---	---	---
29	8.0	7.3	7.6	7.7	7.2	7.4	---	---	---	---	---	---
30	8.1	7.3	7.7	7.5	7.1	7.3	---	---	---	---	---	---
31	8.0	7.4	7.7	---	---	---	---	---	---	---	---	---
MONTH	8.1	6.1	6.9	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	7.1	6.9	7.0	6.8	6.6	6.6	7.1	7.0	7.0
2	---	---	---	7.0	6.9	6.9	6.9	6.7	6.8	7.2	7.0	7.1
3	---	---	---	7.0	6.9	6.9	6.8	6.7	6.7	7.4	7.0	7.1
4	---	---	---	7.1	6.9	7.0	6.8	6.6	6.7	8.6	6.8	7.2
5	---	---	---	7.1	6.9	7.0	6.8	6.7	6.7	8.5	6.9	7.4
6	---	---	---	7.4	7.1	7.3	6.8	6.7	6.8	8.9	7.1	7.8
7	---	---	---	7.5	7.3	7.4	6.9	6.6	6.8	8.8	7.5	7.9
8	---	---	---	7.4	7.1	7.2	6.7	6.6	6.6	7.9	7.1	7.4
9	---	---	---	7.2	7.0	7.1	6.6	6.5	6.6	7.9	6.8	7.2
10	---	---	---	7.1	6.9	7.1	6.7	6.5	6.6	7.2	6.7	6.9
11	---	---	---	7.1	6.9	7.0	6.7	6.6	6.6	7.3	6.7	6.9
12	7.4	7.2	7.3	7.0	6.9	7.0	6.6	6.5	6.6	7.1	6.7	6.8
13	7.3	7.1	7.2	7.2	6.9	7.1	6.8	6.6	6.7	7.6	6.8	7.2
14	7.2	7.1	7.2	7.2	7.1	7.2	6.7	6.6	6.6	8.0	6.9	7.3
15	7.2	7.1	7.2	7.2	7.0	7.1	6.7	6.6	6.6	7.5	6.9	7.2
16	7.3	7.1	7.2	7.2	7.0	7.1	6.9	6.7	6.8	7.4	6.6	7.0
17	7.3	7.1	7.3	7.2	7.0	7.1	6.9	6.7	6.8	7.3	6.9	7.1
18	7.4	7.2	7.3	7.2	7.1	7.1	7.0	6.8	6.9	7.0	6.8	6.9
19	7.3	7.2	7.2	7.2	7.1	7.1	7.1	6.8	6.9	7.3	6.9	7.1
20	7.2	7.1	7.1	---	---	---	7.0	6.8	6.9	7.9	6.9	7.3
21	7.2	7.1	7.2	---	---	---	7.0	6.9	6.9	7.1	6.8	7.0
22	7.3	7.1	7.2	---	---	---	7.0	6.8	6.9	7.3	6.9	7.0
23	7.3	7.0	7.1	---	---	---	7.0	6.9	6.9	7.3	6.8	7.0
24	7.1	6.9	7.0	---	---	---	7.1	6.9	7.0	7.4	6.7	7.1
25	7.1	6.9	7.0	---	---	---	7.2	7.0	7.1	7.3	6.8	7.0
26	7.2	7.0	7.1	---	---	---	7.2	7.0	7.1	7.1	7.0	7.0
27	7.1	7.0	7.0	---	---	---	7.2	6.8	7.0	7.2	6.7	7.0
28	7.1	6.9	7.0	6.7	6.5	6.6	7.5	6.9	7.1	7.2	7.0	7.1
29	---	---	---	6.7	6.5	6.6	7.4	7.1	7.1	7.3	7.0	7.1
30	---	---	---	6.9	6.6	6.7	7.2	7.0	7.1	7.2	6.5	7.1
31	---	---	---	6.7	6.5	6.6	---	---	---	7.3	6.4	7.0
MONTH	---	---	---	---	---	---	7.5	6.5	6.8	8.9	6.4	7.1





NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC--Continued

TEMPERATURE, WATER (DEG. C), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.4	19.9	20.1	16.2	14.9	15.7	9.9	8.7	9.2	---	---	---
2	21.4	19.6	20.4	16.1	14.9	15.6	9.9	8.3	8.8	---	---	---
3	21.2	19.9	20.4	---	---	---	8.6	6.6	7.8	---	---	---
4	21.0	20.0	20.3	16.5	15.9	16.2	6.6	6.1	6.3	---	---	---
5	22.1	20.5	21.0	16.8	16.0	16.4	6.8	5.5	6.3	---	---	---
6	22.7	21.2	21.9	16.5	14.6	15.8	---	---	---	---	---	---
7	22.5	21.5	21.9	16.3	15.8	16.2	---	---	---	---	---	---
8	21.6	18.5	20.0	16.2	15.6	15.9	---	---	---	---	---	---
9	18.8	16.9	17.7	17.4	15.9	16.4	---	---	---	---	---	---
10	17.0	15.8	16.6	18.4	17.2	17.8	---	---	---	---	---	---
11	18.3	15.4	16.6	17.3	15.7	16.5	---	---	---	---	---	---
12	17.8	15.6	16.8	15.8	15.1	15.4	---	---	---	5.8	4.7	5.3
13	18.8	15.7	17.3	16.0	14.1	15.3	---	---	---	6.9	5.2	6.0
14	18.0	16.5	17.6	15.6	14.6	15.2	---	---	---	7.8	5.7	6.3
15	18.1	17.1	17.7	14.6	13.4	13.9	---	---	---	8.7	6.3	7.3
16	18.4	17.1	18.0	14.9	12.4	13.8	---	---	---	9.0	6.8	8.1
17	18.6	17.7	18.2	14.8	13.2	13.9	---	---	---	8.3	6.8	7.6
18	19.5	18.2	18.8	14.7	12.3	13.2	---	---	---	8.3	7.4	7.8
19	19.7	18.1	18.9	13.8	11.0	12.1	---	---	---	10.5	7.3	8.9
20	19.7	18.8	19.2	12.7	11.0	11.9	---	---	---	11.5	10.5	11.2
21	19.6	19.0	19.3	11.5	10.1	10.8	---	---	---	10.9	8.0	9.5
22	20.3	18.9	19.6	10.4	8.2	9.0	---	---	---	9.0	6.9	7.9
23	19.7	18.2	19.1	9.8	7.4	8.3	---	---	---	8.8	7.6	8.1
24	19.9	18.1	18.7	10.2	7.4	8.5	---	---	---	8.9	7.1	7.9
25	19.7	17.6	18.5	10.2	8.2	9.3	---	---	---	---	---	---
26	18.9	17.8	18.4	11.0	10.0	10.5	---	---	---	---	---	---
27	19.0	18.1	18.6	10.9	9.4	10.4	---	---	---	7.4	5.8	6.6
28	19.5	18.6	19.1	10.8	9.3	10.2	---	---	---	8.2	6.0	7.1
29	19.0	17.9	18.4	10.6	9.9	10.4	---	---	---	8.0	5.8	7.3
30	17.9	16.5	17.4	10.4	9.1	9.9	---	---	---	9.7	7.5	8.6
31	17.2	15.9	16.5	---	---	---	---	---	---	10.4	9.3	9.8
MONTH	22.7	15.4	18.8	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.8	9.6	10.0	12.4	10.9	11.6	14.8	13.4	14.3	20.5	18.7	19.5
2	9.9	8.8	9.2	13.4	11.5	12.3	14.2	12.8	13.5	21.5	19.3	20.3
3	9.1	7.7	8.3	12.9	11.9	12.3	14.1	13.3	13.7	22.6	20.0	21.2
4	7.8	7.0	7.4	12.6	11.6	12.0	13.8	13.2	13.5	24.1	20.9	22.1
5	9.3	7.8	8.6	12.5	11.4	12.1	15.1	12.8	13.8	23.9	21.9	22.8
6	9.7	7.4	8.8	11.5	8.4	9.9	16.0	13.5	14.6	23.1	21.2	22.3
7	10.5	8.4	9.4	9.2	7.8	8.6	20.0	14.8	16.6	21.3	20.2	20.8
8	11.1	8.7	9.7	11.3	8.5	9.7	19.7	16.8	18.0	22.2	20.3	21.1
9	11.6	9.3	10.6	10.2	9.4	9.9	20.5	18.1	19.1	23.2	20.6	21.8
10	12.6	11.4	11.9	11.0	8.6	9.7	22.6	19.3	20.5	24.5	21.5	22.7
11	12.0	10.2	11.1	11.3	9.2	10.3	21.8	20.3	21.1	23.7	22.0	22.8
12	10.2	9.2	9.6	11.5	10.5	11.1	22.5	20.6	21.5	23.8	22.2	22.9
13	10.2	9.5	9.9	14.0	11.3	12.9	22.4	21.1	21.7	23.9	22.5	23.1
14	11.4	9.9	10.5	14.6	13.3	13.9	23.2	21.2	22.0	23.7	21.9	22.7
15	13.6	11.3	12.3	14.1	13.6	13.8	21.8	20.7	21.1	22.7	21.7	22.0
16	15.1	12.4	13.6	14.8	13.6	14.2	20.8	19.4	20.2	22.6	21.1	21.8
17	14.4	12.4	13.4	16.8	14.0	15.1	19.6	17.3	18.7	21.5	20.4	20.7
18	12.4	10.7	11.2	15.0	13.6	14.1	17.3	15.6	16.2	22.5	20.1	20.8
19	11.6	9.8	10.6	13.6	12.7	13.2	17.1	14.7	15.7	24.8	21.7	23.3
20	12.8	10.5	11.8	12.9	12.0	12.3	16.3	15.1	15.8	27.1	23.8	24.8
21	13.9	12.4	13.0	13.4	12.2	12.7	17.5	15.5	16.5	25.4	24.3	24.7
22	12.6	10.1	11.1	13.3	12.4	12.8	18.7	16.8	17.6	25.7	24.0	24.9
23	11.4	9.0	10.2	13.8	12.4	13.1	19.9	17.9	18.9	25.5	24.6	25.0
24	11.1	9.1	10.2	14.4	12.7	13.6	21.1	18.9	20.0	25.5	24.1	24.7
25	11.8	10.2	10.9	13.8	12.6	13.2	20.7	18.0	19.6	26.2	24.5	25.5
26	13.3	11.4	12.3	12.6	11.9	12.4	18.0	16.9	17.5	25.9	25.1	25.4
27	13.3	12.1	12.6	12.3	10.8	11.7	19.2	17.0	17.9	26.0	24.7	25.3
28	12.9	11.2	12.1	12.4	10.7	11.6	20.0	17.4	18.7	25.0	24.3	24.7
29	---	---	---	12.7	11.0	11.8	19.7	18.3	19.0	25.1	24.0	24.3
30	---	---	---	15.1	12.3	13.6	21.3	18.0	19.1	26.0	23.6	24.8
31	---	---	---	15.6	13.9	14.8	---	---	---	25.1	23.3	24.3
MONTH	15.1	7.0	10.7	16.8	7.8	12.3	23.2	12.8	17.9	27.1	18.7	23.0







## NEUSE RIVER BASIN

02092162 NEUSE RIVER AT NEW BERN, NC--Continued

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.9	4.8	5.3	11.8	9.5	10.9	9.7	8.2	9.1	---	---	---
2	5.9	5.0	5.3	11.4	9.0	10.6	9.7	8.6	9.2	---	---	---
3	5.5	4.4	4.8	---	---	---	10.1	8.9	9.5	---	---	---
4	5.4	4.8	5.0	10.6	5.9	7.8	10.2	9.9	10.1	---	---	---
5	5.5	5.0	5.2	11.1	6.1	9.4	10.1	9.5	9.8	---	---	---
6	5.5	5.1	5.2	9.6	7.0	8.6	---	---	---	---	---	---
7	6.0	5.1	5.5	9.4	6.3	7.6	---	---	---	---	---	---
8	6.5	5.4	6.0	10.3	5.1	8.4	---	---	---	---	---	---
9	7.2	5.4	6.5	9.5	4.3	6.4	---	---	---	---	---	---
10	7.3	6.8	7.1	8.1	5.0	7.2	---	---	---	---	---	---
11	7.3	6.4	6.9	7.8	6.3	7.2	---	---	---	---	---	---
12	6.7	5.5	6.5	7.9	6.7	7.4	---	---	---	15.2	12.3	13.0
13	7.0	4.5	6.0	7.6	5.8	6.8	---	---	---	12.8	12.2	12.4
14	6.0	4.4	5.1	7.6	6.4	7.2	---	---	---	15.0	11.9	13.0
15	6.9	4.0	5.1	8.3	7.2	7.8	---	---	---	16.9	11.6	13.1
16	6.7	3.5	4.3	7.7	5.9	7.3	---	---	---	14.5	11.8	12.4
17	6.6	2.3	3.8	8.0	5.8	7.1	---	---	---	16.3	11.7	12.5
18	6.6	1.4	4.6	7.9	4.5	7.0	---	---	---	14.9	11.2	12.3
19	6.6	1.6	5.1	8.2	5.8	7.3	---	---	---	14.4	10.8	12.5
20	6.7	1.6	3.4	8.6	5.9	7.4	---	---	---	11.7	9.7	10.5
21	6.6	.9	3.3	8.6	7.7	8.1	---	---	---	12.5	9.6	10.6
22	8.3	1.4	6.3	9.4	7.9	8.9	---	---	---	12.8	10.7	11.2
23	8.1	.7	6.3	10.2	7.9	9.3	---	---	---	11.3	9.8	10.5
24	7.9	3.4	6.2	9.6	7.3	8.9	---	---	---	15.8	9.7	11.9
25	10.4	3.4	6.4	9.6	6.4	8.7	---	---	---	---	---	---
26	8.8	5.5	7.9	9.9	8.8	9.4	---	---	---	---	---	---
27	8.7	6.3	7.8	10.0	7.7	9.4	---	---	---	13.2	11.5	12.3
28	9.3	6.3	8.2	9.6	8.2	9.2	---	---	---	14.4	10.7	11.5
29	10.5	7.7	9.0	10.2	8.3	8.8	---	---	---	16.5	10.2	12.8
30	11.2	8.2	9.7	9.4	8.7	9.1	---	---	---	13.3	10.4	11.5
31	11.1	8.8	10.0	---	---	---	---	---	---	12.2	10.5	10.9
MONTH	11.2	.7	6.1	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.6	10.0	10.7	9.7	9.3	9.5	9.1	8.5	8.7	7.6	6.8	7.2
2	12.3	10.0	10.5	9.9	9.2	9.5	9.4	9.0	9.1	8.3	7.1	7.6
3	11.3	9.4	10.2	9.7	8.9	9.4	9.1	8.5	8.9	9.4	7.5	8.2
4	13.7	10.6	11.9	10.0	7.2	9.2	9.2	8.5	8.8	11.5	7.6	8.9
5	12.3	9.9	11.0	9.2	8.2	8.8	9.3	8.7	9.0	11.0	7.7	9.2
6	13.1	9.8	11.2	10.9	8.8	10.1	9.2	8.7	8.9	9.9	7.5	9.0
7	14.5	10.8	12.2	11.4	10.7	11.1	9.2	8.5	8.8	10.4	7.7	9.0
8	12.9	10.4	11.5	11.3	10.3	10.7	8.7	8.0	8.4	9.6	7.9	8.7
9	11.5	9.8	10.3	11.0	10.3	10.7	8.3	7.4	7.9	9.4	5.4	7.8
10	11.1	9.7	10.2	11.1	10.6	10.8	8.0	7.3	7.5	8.5	5.5	7.4
11	10.9	9.8	10.2	10.9	10.3	10.5	7.7	6.6	7.2	8.6	6.3	7.3
12	10.7	10.0	10.4	10.6	10.2	10.4	7.0	6.5	6.7	8.0	6.0	6.8
13	10.3	9.0	9.5	10.4	10.1	10.3	7.0	6.2	6.7	8.4	6.3	7.2
14	9.4	8.3	9.0	10.4	10.0	10.2	6.7	5.6	6.1	9.0	5.2	7.6
15	9.4	8.8	9.1	10.2	9.6	9.8	6.2	5.5	5.8	8.2	5.2	7.5
16	9.5	8.5	9.1	10.0	9.5	9.7	7.2	5.5	6.6	8.4	2.4	6.8
17	9.4	8.1	8.7	9.6	9.1	9.3	7.5	5.4	7.1	7.8	6.2	7.0
18	9.8	8.6	9.3	9.9	8.9	9.5	8.3	6.9	7.7	7.1	5.0	6.4
19	9.8	8.8	9.4	10.4	9.8	10.0	8.4	7.3	7.8	8.3	6.2	7.3
20	9.6	8.8	9.2	10.7	9.7	10.4	8.2	7.5	7.8	9.3	5.8	8.1
21	9.4	8.8	9.1	10.7	9.1	9.8	8.4	8.0	8.2	7.6	5.8	6.8
22	9.8	8.1	9.3	9.9	9.0	9.5	8.4	7.8	8.0	8.2	6.3	7.0
23	9.9	9.1	9.6	9.9	9.0	9.6	8.0	7.5	7.8	8.1	6.4	7.2
24	9.9	9.4	9.6	9.3	8.7	9.0	7.8	7.5	7.7	8.2	6.0	7.3
25	9.8	9.4	9.6	9.6	8.9	9.3	8.4	7.5	8.0	8.2	6.1	7.0
26	9.8	9.3	9.6	9.4	8.6	9.0	8.7	8.1	8.5	7.6	6.4	6.9
27	10.0	9.2	9.6	9.5	8.3	9.3	8.6	7.0	7.5	7.1	6.3	6.7
28	9.7	9.2	9.5	9.8	9.3	9.6	8.4	7.0	7.3	6.8	6.1	6.5
29	---	---	---	10.2	9.5	9.8	8.2	7.2	7.4	6.8	5.8	6.4
30	---	---	---	10.2	8.8	9.5	7.8	6.8	7.3	7.0	2.8	6.1
31	---	---	---	8.8	8.4	8.7	---	---	---	6.7	1.6	5.6
MONTH	14.5	8.1	10.0	11.4	7.2	9.8	9.4	5.4	7.8	11.5	1.6	7.4





02092162 NEUSE RIVER AT NEW BERN, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	66	47	59	120	97	111	86	72	79	---	---	---
2	66	55	59	116	90	107	84	76	79	---	---	---
3	61	48	53	---	---	---	85	76	80	---	---	---
4	61	53	55	109	60	79	83	80	82	---	---	---
5	63	56	58	115	62	96	82	76	79	---	---	---
6	64	58	60	98	71	87	---	---	---	---	---	---
7	68	59	63	96	64	77	---	---	---	---	---	---
8	70	62	66	104	51	85	---	---	---	---	---	---
9	74	58	68	97	44	66	---	---	---	---	---	---
10	75	70	73	87	52	76	---	---	---	---	---	---
11	74	66	71	79	65	74	---	---	---	---	---	---
12	70	58	67	80	68	75	---	---	---	120	98	103
13	72	48	63	74	59	68	---	---	---	103	96	99
14	62	47	54	76	64	72	---	---	---	122	95	106
15	72	42	53	81	71	76	---	---	---	137	96	109
16	71	37	46	74	58	70	---	---	---	121	100	105
17	70	25	40	76	57	69	---	---	---	135	96	105
18	71	15	50	74	45	66	---	---	---	124	95	104
19	72	18	55	74	57	68	---	---	---	122	91	108
20	73	17	37	80	56	69	---	---	---	106	88	96
21	72	10	36	78	70	73	---	---	---	111	85	93
22	91	15	69	81	71	77	---	---	---	109	88	95
23	88	8	68	87	70	79	---	---	---	96	83	89
24	85	36	67	81	66	76	---	---	---	136	81	101
25	114	37	68	85	57	76	---	---	---	---	---	---
26	94	60	84	90	78	84	---	---	---	---	---	---
27	93	68	84	90	69	84	---	---	---	110	92	100
28	102	68	88	86	73	82	---	---	---	120	87	95
29	112	83	96	92	75	79	---	---	---	138	84	107
30	117	87	102	84	77	81	---	---	---	112	91	99
31	114	90	103	---	---	---	---	---	---	108	92	97
MONTH	117	8	65	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	113	89	95	91	85	88	89	83	85	85	74	79
2	108	87	92	95	85	89	90	86	88	94	77	84
3	97	80	87	91	84	88	89	82	86	109	82	92
4	114	89	99	93	67	86	89	82	85	136	85	103
5	106	84	95	87	76	82	92	82	87	131	88	108
6	114	84	97	94	81	89	94	84	88	116	85	104
7	130	94	107	99	91	95	99	86	91	118	86	100
8	118	91	101	98	90	94	94	84	89	107	88	98
9	104	86	92	98	91	95	91	82	86	106	61	89
10	104	89	95	98	93	96	92	79	84	98	63	86
11	101	89	93	96	92	94	87	75	81	100	72	85
12	94	88	91	97	93	95	80	73	76	94	70	80
13	91	79	84	101	94	98	80	70	76	100	74	85
14	84	75	81	101	97	99	78	64	70	107	60	88
15	89	81	85	99	93	95	70	62	66	95	60	86
16	94	82	88	98	93	95	80	60	73	97	28	78
17	90	77	84	97	89	93	81	59	76	88	70	79
18	90	80	85	96	87	92	84	71	78	82	56	72
19	89	80	85	99	93	96	84	72	79	100	71	86
20	90	81	85	100	91	98	84	75	78	115	69	97
21	91	84	86	100	86	93	88	81	84	92	69	82
22	89	75	84	94	85	90	87	82	84	101	75	85
23	90	80	85	94	87	91	87	80	84	99	77	87
24	89	82	86	91	83	86	88	81	84	101	73	88
25	90	84	87	92	84	88	91	84	87	102	74	86
26	92	87	90	88	81	85	91	85	89	93	78	84
27	95	86	91	88	77	86	90	72	79	87	76	82
28	90	86	88	91	84	88	91	74	79	82	74	78
29	---	---	---	97	87	91	88	78	80	83	69	77
30	---	---	---	96	86	91	88	75	80	86	34	74
31	---	---	---	88	83	86	---	---	---	81	19	67
MONTH	130	75	90	101	67	91	99	59	82	136	19	86



