



Water-Data Report 2011

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC

Cape Fear Basin
New Subbasin

LOCATION.--Lat 34°44'56", long 77°26'16" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03030001, on left bank, .28 mi downstream of bridge at U.S. Highway 17 at Jacksonville, NC.

DRAINAGE AREA.--167.35 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to current year.

GAGE.--Water stage recorder. Datum is at North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--This site is affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 and 24.84 hours.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.92 ft, September 30, 2010; minimum gage height, -1.75 ft, January 1, 2009.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 2.07 ft, October 2; minimum gage height, -1.47 ft, December 14.

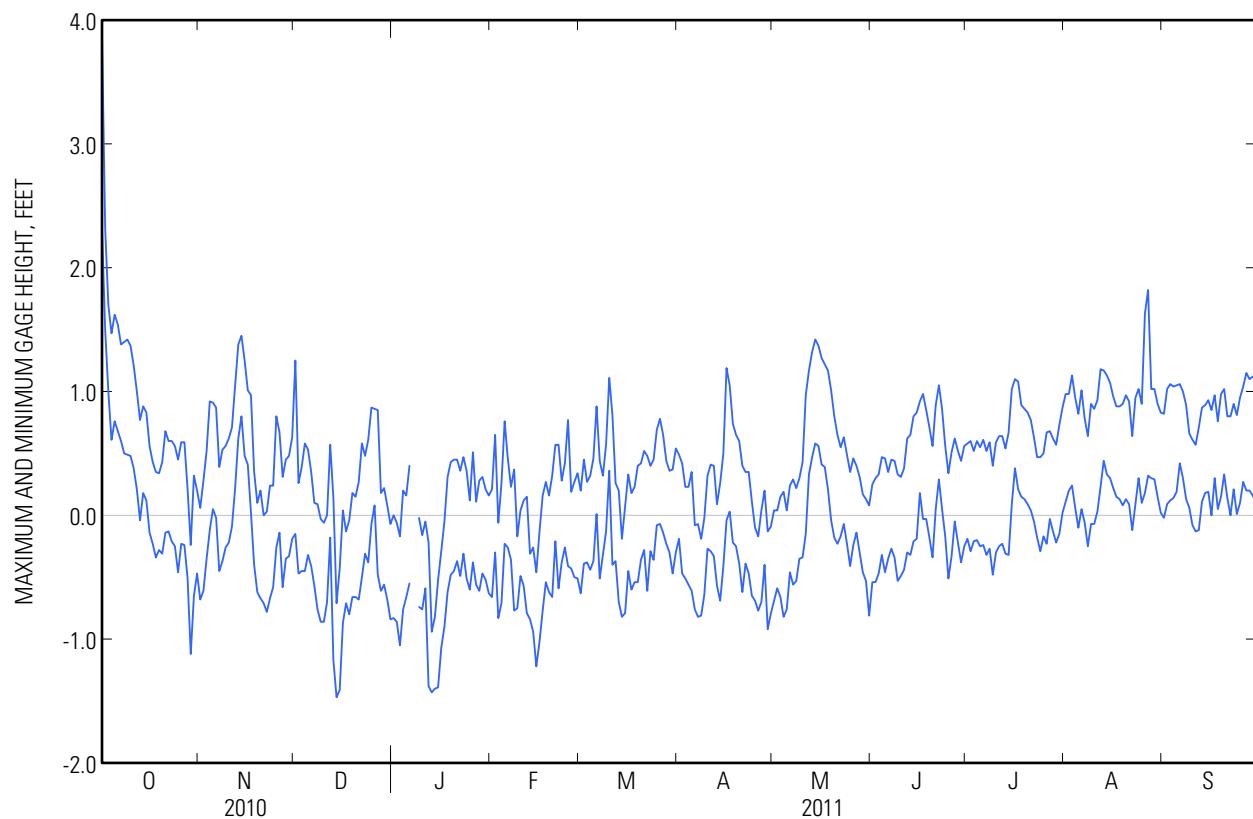
0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	3.89	2.32	0.06	-0.68	1.25	-0.15	0.00	-0.83	0.21	-0.66	0.20	-0.63
2	2.32	1.50	0.28	-0.61	0.26	-0.47	-0.06	-0.86	0.65	-0.30	0.45	-0.39
3	1.70	1.00	0.52	-0.35	0.39	-0.45	-0.17	-1.05	-0.06	-0.83	0.27	-0.38
4	1.47	0.61	0.92	-0.12	0.58	-0.45	0.20	-0.76	0.26	-0.71	0.32	-0.44
5	1.62	0.76	0.91	0.05	0.53	-0.32	0.16	-0.66	0.76	-0.23	0.46	-0.37
6	1.54	0.68	0.87	-0.02	0.35	-0.41	0.40	-0.55	0.46	-0.26	0.88	0.01
7	1.38	0.60	0.39	-0.45	0.10	-0.57	---	---	0.23	-0.36	0.44	-0.51
8	1.40	0.50	0.53	-0.37	0.09	-0.76	---	---	0.37	-0.77	0.32	-0.32
9	1.42	0.49	0.56	-0.26	-0.03	-0.86	-0.02	-0.74	-0.17	-0.75	0.57	-0.13
10	1.37	0.48	0.62	-0.22	-0.06	-0.86	-0.16	-0.76	0.04	-0.49	1.11	0.36
11	1.21	0.38	0.71	-0.09	0.00	-0.70	-0.05	-0.59	0.12	-0.57	0.81	-0.40
12	1.00	0.21	1.05	0.22	0.57	-0.18	-0.22	-1.38	0.15	-0.79	0.26	-0.37
13	0.77	-0.04	1.38	0.62	0.14	-1.17	-0.94	-1.43	-0.31	-0.84	0.20	-0.70
14	0.88	0.18	1.45	0.80	-0.71	-1.47	-0.82	-1.40	-0.26	-0.94	-0.19	-0.82
15	0.83	0.12	1.25	0.48	-0.43	-1.41	-0.52	-1.39	-0.46	-1.22	0.07	-0.79
16	0.56	-0.14	1.01	0.41	0.04	-0.87	-0.29	-1.07	-0.13	-1.02	0.33	-0.45
17	0.43	-0.23	0.97	0.02	-0.13	-0.71	-0.05	-0.90	0.16	-0.77	0.18	-0.60
18	0.35	-0.34	0.35	-0.40	-0.04	-0.80	0.31	-0.62	0.27	-0.54	0.23	-0.54
19	0.34	-0.28	0.10	-0.62	0.18	-0.66	0.43	-0.48	0.16	-0.62	0.40	-0.54
20	0.43	-0.31	0.20	-0.67	0.15	-0.66	0.45	-0.45	0.32	-0.66	0.42	-0.36
21	0.68	-0.14	0.00	-0.71	0.27	-0.68	0.45	-0.37	0.57	-0.21	0.52	-0.28
22	0.60	-0.13	0.03	-0.78	0.58	-0.50	0.36	-0.49	0.57	-0.59	0.48	-0.61
23	0.60	-0.21	0.24	-0.67	0.48	-0.31	0.47	-0.31	0.28	-0.38	0.40	-0.29
24	0.56	-0.25	0.24	-0.58	0.61	-0.38	0.36	-0.51	0.42	-0.26	0.45	-0.36
25	0.45	-0.46	0.80	-0.26	0.87	-0.07	0.12	-0.60	0.77	-0.41	0.69	-0.08
26	0.59	-0.23	0.67	-0.14	0.86	0.08	0.51	-0.38	0.19	-0.43	0.78	-0.07
27	0.59	-0.24	0.31	-0.58	0.85	-0.48	0.11	-0.56	0.27	-0.50	0.65	-0.14
28	0.21	-0.51	0.45	-0.35	0.18	-0.61	0.28	-0.61	0.34	-0.51	0.44	-0.23
29	-0.24	-1.12	0.48	-0.33	0.22	-0.56	0.31	-0.47	---	---	0.36	-0.30
30	0.32	-0.65	0.63	-0.19	0.08	-0.68	0.21	-0.52	---	---	0.37	-0.47
31	0.20	-0.47	---	---	-0.07	-0.84	0.16	-0.63	---	---	0.54	-0.30
Month	3.89	-1.12	1.45	-0.78	1.25	-1.47	---	---	0.77	-1.22	1.11	-0.82

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	0.49	-0.19	0.04	-0.69	0.25	-0.54	0.58	-0.19	0.98	0.11	0.82	-0.02
2	0.42	-0.47	0.04	-0.59	0.30	-0.54	0.60	-0.29	0.98	0.20	1.02	0.09
3	0.23	-0.51	0.15	-0.66	0.33	-0.47	0.52	-0.21	1.13	0.24	1.06	0.12
4	0.23	-0.56	0.19	-0.82	0.47	-0.32	0.60	-0.20	0.95	0.06	1.04	0.14
5	0.35	-0.61	0.04	-0.76	0.46	-0.46	0.55	-0.25	0.82	-0.10	1.05	0.19
6	-0.08	-0.76	0.24	-0.46	0.35	-0.35	0.61	-0.24	1.01	0.05	1.06	0.42
7	-0.07	-0.82	0.29	-0.56	0.45	-0.27	0.52	-0.32	0.78	-0.06	1.00	0.30
8	-0.19	-0.81	0.22	-0.53	0.44	-0.34	0.59	-0.27	0.64	-0.25	0.89	0.13
9	-0.02	-0.64	0.30	-0.35	0.33	-0.53	0.40	-0.48	0.90	-0.07	0.66	0.06
10	0.32	-0.27	0.43	-0.34	0.31	-0.49	0.59	-0.30	0.86	-0.07	0.61	-0.08
11	0.41	-0.29	0.97	-0.15	0.38	-0.44	0.64	-0.25	0.93	0.03	0.57	-0.13
12	0.40	-0.33	1.17	0.33	0.62	-0.30	0.64	-0.23	1.18	0.23	0.71	-0.12
13	0.09	-0.57	1.32	0.47	0.65	-0.32	0.54	-0.31	1.17	0.44	0.87	0.11
14	0.26	-0.69	1.42	0.58	0.80	-0.21	0.67	-0.32	1.13	0.33	0.89	0.18
15	0.50	-0.41	1.37	0.56	0.83	-0.19	1.02	0.09	1.07	0.30	0.93	0.19
16	1.19	-0.04	1.27	0.41	0.92	0.18	1.10	0.38	0.96	0.22	0.85	0.00
17	1.05	0.03	1.22	0.39	0.98	-0.03	1.08	0.21	0.88	0.15	0.97	0.30
18	0.74	-0.22	1.17	0.21	0.85	-0.03	0.89	0.15	0.88	0.13	0.76	0.05
19	0.65	-0.25	1.01	-0.04	0.71	-0.18	0.86	0.13	0.90	0.08	0.98	0.15
20	0.60	-0.39	0.80	-0.18	0.56	-0.34	0.83	0.09	0.97	0.13	1.02	0.33
21	0.40	-0.62	0.65	-0.23	0.89	0.05	0.77	0.04	0.92	0.09	0.80	0.14
22	0.35	-0.39	0.55	-0.17	1.05	0.29	0.63	-0.05	0.64	-0.12	0.80	0.00
23	0.35	-0.47	0.63	-0.07	0.86	0.05	0.47	-0.18	0.95	0.09	0.90	0.21
24	0.11	-0.65	0.49	-0.23	0.56	-0.17	0.47	-0.29	1.02	0.30	0.81	0.01
25	-0.10	-0.69	0.35	-0.41	0.34	-0.51	0.50	-0.17	0.90	0.10	0.95	0.10
26	-0.17	-0.77	0.46	-0.24	0.51	-0.33	0.67	-0.23	1.63	0.18	1.04	0.27
27	0.04	-0.70	0.40	-0.14	0.62	-0.05	0.68	-0.03	1.82	0.32	1.15	0.20
28	0.20	-0.40	0.31	-0.30	0.52	-0.22	0.62	-0.13	1.02	0.30	1.10	0.20
29	-0.13	-0.92	0.17	-0.46	0.44	-0.38	0.57	-0.22	1.02	0.29	1.12	0.16
30	-0.09	-0.79	0.13	-0.53	0.56	-0.25	0.73	-0.15	0.90	0.15	1.12	0.11
31	---	---	0.08	-0.81	---	---	0.87	0.02	0.83	0.02	---	---
Month	1.19	-0.92	1.42	-0.82	1.05	-0.54	1.10	-0.48	1.82	-0.25	1.15	-0.13

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued



0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2007 to current year.

PERIOD OF DAILY RECORD.--

SALINITY: December 2007 to current year.

SPECIFIC CONDUCTANCE: December 2007 to current year.

pH: December 2007 to current year.

WATER TEMPERATURE: December 2007 to current year.

DISSOLVED OXYGEN: December 2007 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: December 2007 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry.

REMARKS.--Station operated as part of the Defense Coastal/Estuarine Research Program (DCERP) and the Strategic Environmental Research and Development Program (SERDP). The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SALINITY: Maximum recorded, 24.8 ppt, January 16, 2008; minimum recorded, 0.04 ppt, January 27, February 7, 8, 2010.

SPECIFIC CONDUCTANCE: Maximum recorded, 38,900 microsiemens, January 16, 2008; minimum recorded, 90 microsiemens, February 8, 2010.

pH: Maximum recorded, 9.0 standard units, February 6, 2008, May 1, 2, 2011; minimum recorded, 5.8 standard units, November 14, 15, 2009.

WATER TEMPERATURE: Maximum recorded, 34.3°C, July 13, 2011; minimum recorded, 1.6°C, December 15, 2010.

DISSOLVED OXYGEN: Maximum recorded, 18.6 mg/L, January 9, 2008; minimum recorded, 0.0, on many days during the period.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 251%, August 23, 2011; minimum recorded, 0.0, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 24.1 ppt, August 17; minimum recorded, 0.05 ppt, October 3.

SPECIFIC CONDUCTANCE: Maximum recorded, 37,900 microsiemens, August 17; minimum recorded, 120 microsiemens, October 3.

pH: Maximum recorded, 9.0 standard units, May 1, 2; minimum recorded, 6.1 standard units, October 1, 2, 3.

WATER TEMPERATURE: Maximum recorded, 34.3°C, July 13; minimum recorded, 1.6°C, December 15.

DISSOLVED OXYGEN: Maximum recorded, 17.6 mg/L, April 15, 25; minimum recorded, 0.0, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 251%, August 23; minimum recorded, 0.0, on several days during the year.

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
October				November				December				January
1	0.12	0.07	0.08	5.1	1.6	3.0	13.7	11.2	12.1	---	---	---
2	0.07	0.06	0.06	6.5	2.0	3.4	12.6	8.8	10.4	17.3	6.2	12.4
3	0.07	0.05	0.06	6.5	2.4	4.1	13.8	8.1	10.9	19.6	4.6	15.6
4	0.28	0.06	0.08	7.5	3.2	5.3	14.2	8.7	11.9	19.7	16.6	18.5
5	0.52	0.08	0.12	12.8	3.3	6.9	14.1	8.5	11.0	19.4	16.1	17.9
6	1.6	0.11	0.20	13.7	3.8	7.7	14.2	9.9	11.8	19.1	16.1	18.3
7	1.7	0.16	0.39	14.5	3.9	9.4	13.9	8.6	11.9	---	---	---
8	1.4	0.20	0.45	15.0	5.3	12.0	14.1	8.5	12.2	---	---	---
9	1.9	0.27	0.62	15.1	7.0	13.0	15.0	8.2	13.0	20.2	14.7	19.0
10	2.0	0.34	0.78	14.9	7.8	12.8	17.4	10.9	14.7	20.9	18.6	19.8
11	1.6	0.37	0.70	14.8	9.5	12.9	16.3	14.7	15.6	20.8	18.8	20.1
12	1.2	0.36	0.55	15.8	11.7	14.0	16.5	6.1	13.6	20.6	7.4	18.5
13	2.1	0.39	0.62	15.8	11.6	14.6	9.1	4.5	6.2	20.6	8.0	18.1
14	2.0	0.47	0.89	15.5	12.2	14.4	10.6	3.3	6.4	20.8	17.9	20.1
15	6.2	0.62	1.8	14.3	12.6	13.2	17.6	3.1	10.8	20.4	15.9	19.4
16	10.2	0.85	4.4	13.7	12.1	12.6	17.0	3.6	12.8	19.6	15.3	18.1
17	10.2	1.3	6.5	12.8	10.5	11.6	16.1	3.0	9.7	19.3	15.0	17.9
18	7.0	1.1	3.8	13.0	9.3	11.5	17.0	3.3	12.1	19.3	12.9	17.4
19	4.6	1.2	2.8	15.1	9.6	13.2	16.1	3.2	10	18.8	3.8	11.9
20	4.8	1.3	3.4	15.3	12.9	14.4	17.4	6.7	12.3	19.2	3.4	13.4
21	5.3	1.7	3.8	13.9	9.5	12.2	18.0	8.0	14.6	19.1	2.9	14.4
22	6.5	1.8	3.8	13.6	9.3	11.6	18.0	13.9	16.3	20.6	3.2	17.6
23	7.5	2.4	4.9	12.4	10.7	11.3	18.8	8.8	16.8	21.2	17.7	19.6
24	6.1	2.4	4.2	12.5	11.2	11.9	19.9	16.4	18.7	20.2	15.9	18.4
25	5.3	2.1	3.7	13.1	12.0	12.5	20.0	16.5	18.8	19.6	7.3	17.9
26	4.3	2.3	3.1	12.2	11.1	11.8	18.9	9.7	17.0	18.8	3.9	11.4
27	3.5	1.7	2.4	12.0	10.1	11.3	20.5	10.3	16.7	17.6	2.7	7.0
28	3.2	1.4	1.8	13.2	11.7	12.5	22.2	11.1	19.6	18.1	2.0	12.5
29	4.4	1.0	1.9	14.0	12.9	13.4	21.7	15.7	19.5	18.0	1.7	12.5
30	5.0	1.6	3.3	13.9	12.0	13.2	20.2	15.5	18.6	17.4	1.4	9.3
31	4.7	1.4	3.2	---	---	---	---	---	---	16.5	1.4	9.6
Month	10.2	0.05	2.1	15.8	1.6	11.1	---	---	---	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	16.8	2.0	13.3	3.7	0.98	1.5	15.3	3.0	9.7	10.8	5.0	7.9
2	16.3	2.6	7.5	7.6	0.91	3.7	15.8	2.9	10.9	10.5	5.7	7.9
3	15.7	2.4	7.4	7.5	0.97	2.9	14.2	2.8	9.3	10.2	5.9	8.1
4	16.1	2.1	8.5	7.3	1.3	4.0	12.1	2.4	5.3	10.4	5.4	8.0
5	3.8	1.6	2.5	7.3	1.7	4.1	6.7	1.9	3.9	11.8	5.3	8.5
6	1.7	0.48	0.99	5.5	1.8	3.3	9.9	1.8	5.7	12.7	5.5	10.0
7	0.53	0.18	0.30	4.6	1.4	2.4	9.8	2.7	5.9	13.0	7.7	10.5
8	0.28	0.14	0.20	8.0	1.5	4.6	8.2	3.3	5.2	15.1	9.1	12.0
9	0.34	0.15	0.21	8.5	1.9	4.4	8.2	2.8	5.2	15.7	8.9	13.2
10	13.2	0.16	0.83	6.3	2.5	4.3	9.3	3.6	6.7	15.1	9.7	12.9
11	10.0	0.18	0.81	5.5	1.0	2.2	8.2	3.3	5.4	13.2	9.5	12.0
12	10.9	0.16	1.6	7.0	0.86	3.3	6.5	2.8	4.2	13.7	10.6	12.6
13	13.6	0.19	1.7	5.7	0.58	2.2	8.9	2.4	5.0	14.1	11.5	13.0
14	0.52	0.19	0.32	8.1	0.58	3.1	11.8	2.6	7.6	13.7	12.2	13.0
15	9.9	0.23	2.3	8.7	1.4	5.3	10.4	4.5	7.7	13.6	12.2	12.9
16	9.3	0.32	2.7	8.0	1.3	5.1	10.2	5.9	9.0	13.6	11.9	12.6
17	7.9	0.41	2.1	8.0	1.6	5.3	9.9	5.3	7.4	13.6	11.7	12.5
18	3.9	0.37	1.3	7.9	2.0	5.0	9.6	5.0	7.0	13.5	11.2	12.2
19	9.5	0.42	3.8	7.6	1.9	4.3	9.3	5.2	7.0	13.3	10.9	11.8
20	10.0	0.99	5.3	7.3	2.5	4.9	8.8	4.7	6.5	13.0	10.1	11.9
21	8.3	1.4	4.3	6.3	3.0	4.8	9.3	4.5	6.6	15.9	10.4	13.1
22	6.1	1.3	2.9	6.0	2.5	4.4	11.5	5.1	7.4	16.5	10.9	13.5
23	8.0	1.5	4.6	7.9	3.2	5.6	9.2	5.6	7.1	14.9	11.4	13.4
24	8.3	1.6	4.5	8.8	2.9	6.1	8.7	5.0	6.5	14.9	10.9	13.0
25	5.4	1.5	3.3	9.5	4.1	6.7	8.3	4.6	6.2	15.1	10.6	13.4
26	6.7	1.5	3.5	9.3	4.7	7.3	7.6	4.5	5.9	14.7	11.5	13.2
27	6.5	1.4	3.2	9.5	4.7	6.5	7.0	4.6	5.9	14.5	12.2	13.3
28	4.9	1.2	2.4	10.4	3.7	7.1	6.9	4.2	5.4	14.8	10	12.4
29	---	---	---	12.2	3.9	8.9	9.9	2.8	5.2	13.6	9.8	11.2
30	---	---	---	10.6	3.2	7.4	10.7	3.2	7.4	13.0	9.5	11.5
31	---	---	---	13.2	4.2	8.9	---	---	---	14.7	9.1	12.1
Month	16.8	0.14	3.3	13.2	0.58	4.8	15.8	1.8	6.6	16.5	5.0	11.7

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	16.2	10.5	13.8	20.5	16.5	18.7	20.4	14.7	17.5	18.0	0.26	4.5
2	16.0	11.2	13.8	20.7	17.2	18.9	22.7	15.5	19.3	18.2	0.75	8.4
3	15.9	11.4	14.0	20.6	17.1	18.9	23.1	17.2	20.2	12.4	1.7	5.4
4	16.9	12.3	14.4	19.8	17.4	18.8	22.3	17.7	20.1	8.8	2.4	5.4
5	16.3	12.2	14.3	19.7	17.5	18.7	21.6	17.4	19.4	7.5	2.8	5.4
6	16.9	12.8	14.6	20.0	17.4	19.0	21.6	12.4	17.3	7.2	3.4	5.2
7	16.6	13.4	15.0	19.9	17.2	18.8	13.4	4.1	9.1	6.4	2.3	3.8
8	16.1	13.1	14.8	19.5	15.3	17.6	22.4	2.1	10.1	6.2	1.4	3.0
9	15.6	12.8	14.5	18.4	11.5	15.7	22.7	7.8	18.8	5.5	1.0	2.2
10	16.1	13.6	14.8	19.5	12.6	16.3	21.5	7.0	16.1	9.3	0.99	3.1
11	16.3	13.9	15.2	19.1	13.0	16.3	22.2	13.7	18.1	9.8	1.3	4.4
12	16.9	14.2	15.5	18.6	13.6	16.3	22.8	12.0	18.4	9.9	1.6	4.7
13	17.8	14.1	15.9	20.7	14.6	17.2	20.4	11.3	15.7	7.6	0.84	2.5
14	18.2	14.4	16.7	20.8	14.0	17.4	18.2	12.4	15.2	8.0	1.3	3.5
15	18.8	15.3	17.2	20.8	16.3	18.6	19.1	11.5	15.0	10.3	1.9	4.8
16	18.9	16.4	17.8	20.8	18.6	19.7	23.0	10.8	16.7	8.8	2.6	4.2
17	18.8	16.5	17.6	20.7	18.4	19.4	24.1	12.3	19.1	11.7	4.0	6.5
18	18.6	16.6	17.7	20.2	18.0	19.0	22.9	9.9	18.4	11.3	4.2	6.6
19	18.3	16.3	17.3	20.4	17.9	19.2	21.7	14.0	18.7	13.2	4.7	8.5
20	19.0	15.7	17.5	20.9	18.8	19.7	21.7	14.9	18.9	12.9	5.9	9.4
21	19.8	16.6	18.5	20.7	18.9	19.8	21.2	14.7	18.5	12.6	6.7	9.1
22	20.0	17.6	19.1	20.6	18.0	19.4	21.1	15.0	18.2	11.1	5.5	8.1
23	19.7	17.2	18.4	20.5	17.7	19.0	21.7	15.5	19.4	9.7	4.6	6.7
24	18.8	16.5	17.7	20.2	17.2	18.4	21.7	16.7	19.4	11.8	3.6	6.4
25	18.6	16.1	17.5	20.0	15.6	18.1	21.1	17.4	19.1	12.7	3.9	7.4
26	18.9	15.9	17.7	21.7	15.2	19.0	20.9	17.5	19.1	12.7	4.9	8.2
27	19.9	17.1	18.1	21.5	15.5	19.3	19.9	0.99	6.2	11.5	5.8	8.3
28	20.0	17.0	18.5	21.1	16.2	19.0	0.99	0.22	0.43	10.5	6.4	8.3
29	19.5	16.1	18.3	20.8	16.2	18.8	0.39	0.16	0.20	10.5	6.1	7.9
30	19.9	16.3	18.5	21.3	16.6	19.4	0.50	0.15	0.22	11.4	5.5	8.2
31	---	---	---	21.7	16.5	19.4	7.2	0.20	0.64	---	---	---
Month	20.0	10.5	16.5	21.7	11.5	18.5	24.1	0.15	15.0	18.2	0.26	6.0

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
October				November				December				January
1	270	160	190	9,190	3,060	5,480	22,700	18,900	20,200	---	---	---
2	170	140	151	11,400	3,830	6,240	21,000	15,100	17,700	28,100	11,000	20,600
3	160	120	140	11,400	4,480	7,380	22,900	14,000	18,500	31,500	8,250	25,400
4	600	140	198	13,100	5,850	9,510	23,500	14,900	19,900	31,700	27,100	29,800
5	1,090	190	281	21,300	6,030	12,000	23,300	14,600	18,600	31,200	26,400	29,000
6	3,120	260	434	22,700	7,040	13,200	23,500	16,900	19,900	30,800	26,400	29,500
7	3,340	360	812	24,000	7,080	16,000	23,100	14,800	20,000	---	---	---
8	2,750	440	949	24,700	9,490	20,200	23,300	14,600	20,500	---	---	---
9	3,570	590	1,280	24,800	12,300	21,600	24,700	14,100	21,700	32,400	24,300	30,600
10	3,810	730	1,580	24,500	13,600	21,300	28,300	18,400	24,200	33,400	30,100	31,800
11	3,150	800	1,420	24,400	16,200	21,500	26,700	24,300	25,600	33,300	30,300	32,300
12	2,340	770	1,130	25,900	19,600	23,200	26,900	10,800	22,500	33,000	12,900	29,900
13	4,080	830	1,270	25,900	19,500	24,000	15,600	8,140	10,900	32,900	13,900	29,300
14	3,890	1,000	1,780	25,500	20,400	23,900	17,900	6,150	11,100	33,200	29,000	32,200
15	11,000	1,280	3,470	23,700	21,100	22,000	28,500	5,720	18,200	32,700	26,100	31,100
16	17,300	1,720	7,810	22,700	20,300	21,100	27,600	6,620	21,200	31,500	25,200	29,400
17	17,300	2,610	11,400	21,400	17,800	19,500	26,300	5,660	16,400	31,100	24,700	29,000
18	12,200	2,140	6,810	21,600	16,000	19,400	27,600	6,130	20,100	31,000	21,500	28,300
19	8,240	2,430	5,230	24,800	16,400	21,900	26,300	5,940	16,800	30,300	6,870	19,700
20	8,610	2,630	6,330	25,100	21,500	23,700	28,200	11,700	20,500	30,900	6,230	22,000
21	9,480	3,300	6,980	23,100	16,200	20,400	29,100	13,800	24,000	30,800	5,340	23,500
22	11,400	3,500	6,980	22,500	16,000	19,500	29,100	23,000	26,700	33,000	5,960	28,500
23	13,000	4,590	8,780	20,700	18,100	19,000	30,300	15,200	27,400	33,800	28,700	31,500
24	10,800	4,450	7,690	20,900	18,900	20,000	32,000	26,800	30,200	32,300	26,100	29,800
25	9,400	3,920	6,730	21,800	20,100	20,900	32,100	26,900	30,300	31,500	12,700	29,000
26	7,790	4,290	5,750	20,500	18,700	19,900	30,400	16,500	27,700	30,300	7,090	18,900
27	6,430	3,260	4,560	20,100	17,200	19,100	32,800	17,500	27,200	28,500	5,070	12,000
28	5,910	2,800	3,520	21,900	19,700	20,900	35,300	18,800	31,500	29,300	3,750	20,500
29	7,970	2,010	3,650	23,200	21,500	22,300	34,600	25,800	31,300	29,100	3,230	20,500
30	9,010	3,030	6,050	23,000	20,200	22,000	32,400	25,400	30,100	28,200	2,780	15,600
31	8,550	2,770	5,830	---	---	---	---	---	---	26,900	2,790	16,000
Month	17,300	120	3,840	25,900	3,060	18,600	---	---	---	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	27,400	3,810	22,000	6,700	1,960	2,950	25,200	5,610	16,400	18,300	8,920	13,700
2	26,600	4,800	12,800	13,200	1,830	6,750	25,900	5,390	18,400	17,800	10,200	13,700
3	25,700	4,490	12,700	13,000	1,950	5,430	23,500	5,160	15,800	17,400	10,400	14,000
4	26,400	4,080	14,300	12,700	2,540	7,220	20,300	4,510	9,460	17,600	9,670	13,800
5	7,040	3,140	4,710	12,800	3,230	7,380	11,700	3,620	7,180	19,800	9,540	14,700
6	3,280	1,020	1,980	9,760	3,420	6,120	16,800	3,530	10,000	21,200	9,750	17,000
7	1,100	410	644	8,380	2,680	4,510	16,700	5,060	10,400	21,700	13,400	17,800
8	620	320	435	13,800	2,920	8,180	14,200	6,180	9,330	24,900	15,600	20,000
9	740	330	457	14,700	3,630	7,950	14,200	5,280	9,340	25,800	15,300	21,900
10	22,000	360	1,540	11,100	4,740	7,810	15,900	6,540	11,700	24,900	16,500	21,500
11	17,100	410	1,520	9,750	2,090	4,160	14,200	6,030	9,530	22,000	16,300	20,100
12	18,400	370	2,900	12,200	1,740	6,080	11,400	5,260	7,620	22,800	18,000	21,000
13	22,500	420	2,940	10,200	1,200	4,170	15,300	4,580	9,000	23,400	19,400	21,700
14	1,080	420	697	14,000	1,210	5,580	19,900	4,960	13,200	22,800	20,500	21,600
15	16,800	510	4,220	14,900	2,790	9,460	17,700	8,180	13,300	22,600	20,400	21,500
16	15,900	700	4,900	13,800	2,570	9,120	17,300	10,400	15,400	22,600	20,000	21,100
17	13,700	880	3,820	13,900	3,090	9,410	16,900	9,530	12,900	22,600	19,600	20,900
18	7,160	790	2,570	13,700	3,890	8,900	16,400	9,030	12,200	22,400	18,900	20,400
19	16,200	890	6,750	13,200	3,670	7,710	16,000	9,370	12,200	22,100	18,400	19,800
20	17,100	1,990	9,270	12,700	4,660	8,810	15,200	8,510	11,400	21,700	17,200	20,000
21	14,400	2,720	7,680	11,100	5,500	8,590	15,900	8,150	11,700	26,000	17,700	21,800
22	10,800	2,530	5,300	10,600	4,680	7,910	19,400	9,060	12,900	26,900	18,500	22,400
23	13,800	2,860	8,200	13,700	5,920	9,900	15,700	10,000	12,400	24,600	19,200	22,200
24	14,400	3,040	8,050	15,100	5,370	10,700	15,000	8,930	11,400	24,500	18,500	21,700
25	9,610	2,880	6,080	16,200	7,440	11,800	14,400	8,220	10,900	24,800	18,000	22,200
26	11,800	2,880	6,330	16,000	8,410	12,700	13,200	8,210	10,500	24,200	19,400	22,000
27	11,500	2,770	5,890	16,300	8,500	11,400	12,300	8,350	10,500	24,000	20,500	22,100
28	8,800	2,340	4,490	17,600	6,810	12,400	12,100	7,570	9,640	24,400	17,000	20,700
29	---	---	---	20,500	7,100	15,300	16,800	5,310	9,190	22,500	16,700	18,800
30	---	---	---	18,000	5,910	12,800	18,100	5,960	12,900	21,700	16,300	19,300
31	---	---	---	21,900	7,680	15,200	---	---	---	24,200	15,600	20,300
Month	27,400	320	5,830	21,900	1,200	8,590	25,900	3,530	11,600	26,900	8,920	19,700

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	
June				July				August				September	
1	26,500	17,800	22,800	32,800	27,000	30,100	32,600	24,300	28,500	29,100	570	7,730	
2	26,200	18,900	22,900	33,100	27,900	30,500	36,000	25,400	31,100	29,400	1,530	14,100	
3	26,100	19,200	23,200	32,900	27,800	30,400	36,500	28,000	32,400	20,800	3,260	9,450	
4	27,500	20,600	23,800	31,800	28,200	30,400	35,400	28,700	32,200	15,200	4,500	9,570	
5	26,600	20,400	23,600	31,700	28,400	30,200	34,400	28,200	31,100	13,100	5,180	9,550	
6	27,500	21,400	24,100	32,100	28,300	30,600	34,400	20,800	28,100	12,600	6,330	9,360	
7	27,100	22,200	24,700	31,900	28,000	30,300	22,200	7,400	15,600	11,300	4,430	6,910	
8	26,300	21,800	24,400	31,400	25,100	28,500	35,500	3,950	16,800	10,900	2,810	5,530	
9	25,600	21,400	23,900	29,800	19,400	25,700	35,900	13,500	30,300	9,780	2,070	4,110	
10	26,400	22,500	24,300	31,300	21,000	26,600	34,300	12,300	26,300	16,000	1,990	5,640	
11	26,600	23,100	25,000	30,700	21,700	26,700	35,300	22,700	29,300	16,700	2,480	7,820	
12	27,500	23,500	25,500	30,100	22,600	26,600	36,100	20,200	29,600	16,900	3,160	8,450	
13	28,900	23,400	26,100	33,100	24,100	28,000	32,700	19,000	25,700	13,200	1,700	4,700	
14	29,500	23,800	27,200	33,300	23,200	28,300	29,500	20,700	24,900	13,800	2,570	6,430	
15	30,300	25,200	28,000	33,200	26,600	30,100	30,700	19,400	24,600	17,500	3,640	8,490	
16	30,500	26,800	28,900	33,300	30,000	31,700	36,400	18,300	27,200	15,100	4,860	7,540	
17	30,300	27,000	28,600	33,100	29,800	31,200	37,900	20,600	30,700	19,700	7,240	11,400	
18	30,000	27,100	28,700	32,400	29,200	30,700	36,300	16,900	29,700	19,100	7,700	11,600	
19	29,600	26,600	28,100	32,600	29,000	30,900	34,600	23,200	30,100	22,000	8,450	14,600	
20	30,600	25,700	28,400	33,400	30,300	31,600	34,600	24,500	30,500	21,500	10,500	16,000	
21	31,800	27,100	29,900	33,100	30,400	31,800	33,800	24,300	29,900	21,100	11,800	15,500	
22	32,100	28,500	30,800	33,000	29,100	31,200	33,700	24,700	29,400	18,700	9,800	13,900	
23	31,600	27,900	29,800	32,800	28,700	30,600	34,600	25,500	31,200	16,600	8,220	11,800	
24	30,300	27,000	28,700	32,400	27,900	29,800	34,600	27,300	31,200	19,800	6,610	11,200	
25	30,000	26,300	28,400	32,100	25,600	29,300	33,600	28,200	30,700	21,200	7,090	12,800	
26	30,400	26,000	28,700	34,500	25,000	30,600	33,400	28,400	30,800	21,200	8,740	14,100	
27	32,000	27,800	29,300	34,200	25,500	31,100	32,000	1,980	10,700	19,300	10,300	14,400	
28	32,100	27,600	29,800	33,700	26,500	30,600	1,980	490	902	17,800	11,200	14,300	
29	31,300	26,400	29,600	33,300	26,500	30,400	830	370	451	17,800	10,800	13,800	
30	31,900	26,600	29,800	34,000	27,100	31,200	1,050	330	487	19,200	9,720	14,200	
31	---	---	---	34,600	27,000	31,300	12,500	440	1,270	---	---	---	
Month	32,100	17,800	26,900	34,600	19,400	29,900	37,900	330	24,200	29,400	570	10,500	

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0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median	
October				November				December				January	
1	6.7	6.1	6.2	7.6	7.4	7.5	8.0	7.6	7.8	---	---	---	
2	6.2	6.1	6.2	7.8	7.5	7.6	8.0	7.5	7.7	7.9	7.2	7.6	
3	6.2	6.1	6.2	7.7	7.5	7.6	8.0	7.6	7.8	8.0	7.3	7.8	
4	6.4	6.2	6.3	7.6	7.4	7.5	8.0	7.8	7.8	8.0	7.6	7.9	
5	6.4	6.3	6.4	7.7	7.1	7.4	8.0	7.8	7.9	8.0	7.7	7.9	
6	6.5	6.4	6.5	7.6	7.1	7.3	8.0	7.8	8.0	8.0	7.8	7.9	
7	6.6	6.5	6.5	7.4	7.0	7.2	8.0	7.8	7.8	---	---	---	
8	6.7	6.6	6.6	7.4	7.1	7.2	8.1	7.8	7.9	---	---	---	
9	6.7	6.6	6.6	7.3	7.1	7.2	8.0	7.8	7.9	8.0	7.7	7.9	
10	6.8	6.7	6.7	7.4	7.1	7.2	8.0	7.9	7.9	8.0	7.7	7.9	
11	6.8	6.7	6.8	7.3	7.1	7.2	8.0	7.8	7.9	7.9	7.7	7.8	
12	6.9	6.8	6.8	7.5	7.1	7.2	7.8	7.6	7.7	8.0	7.5	7.8	
13	7.0	6.8	6.9	7.7	7.2	7.3	7.8	7.5	7.6	8.1	7.5	7.9	
14	7.0	6.9	6.9	7.8	7.4	7.6	7.8	7.5	7.7	8.3	7.6	8.0	
15	7.1	6.8	7.0	7.6	7.3	7.4	7.9	7.6	7.8	8.4	8.1	8.3	
16	7.1	6.9	7.0	7.4	7.2	7.3	7.9	7.5	7.8	8.4	8.2	8.3	
17	7.2	7.0	7.0	7.3	7.1	7.2	7.7	7.3	7.6	8.4	8.2	8.3	
18	7.2	7.0	7.1	7.2	7.1	7.2	7.7	7.4	7.6	8.2	7.9	8.1	
19	7.3	7.1	7.2	7.2	7.0	7.1	7.7	7.3	7.4	7.9	7.2	7.8	
20	7.3	7.2	7.2	7.3	7.0	7.1	7.6	7.3	7.5	7.9	7.1	7.8	
21	7.4	7.2	7.2	7.4	7.1	7.2	7.6	7.3	7.5	8.0	7.1	7.8	
22	7.4	7.1	7.2	7.4	7.2	7.3	7.7	7.3	7.6	7.9	7.2	7.8	
23	7.4	7.0	7.2	7.5	7.2	7.3	7.7	7.3	7.6	8.0	7.6	7.8	
24	7.5	7.2	7.3	7.3	7.1	7.2	7.7	7.4	7.6	7.9	7.5	7.8	
25	7.5	7.2	7.3	7.4	7.0	7.3	7.8	7.5	7.7	7.9	7.4	7.8	
26	7.6	7.3	7.4	7.6	7.3	7.6	7.8	7.4	7.6	7.5	7.2	7.3	
27	7.8	7.4	7.6	8.0	7.2	7.6	7.8	7.3	7.6	7.3	7.0	7.1	
28	7.7	7.4	7.6	7.6	7.2	7.5	7.9	7.5	7.7	7.7	6.9	7.4	
29	7.6	7.4	7.5	7.6	7.2	7.4	8.0	7.7	7.9	7.7	6.8	7.5	
30	7.8	7.3	7.6	7.6	7.3	7.4	8.0	7.5	7.9	7.6	6.9	7.4	
31	7.7	7.4	7.5	---	---	---	---	---	---	7.7	7.0	7.4	
Max	7.8	7.4	7.6	8.0	7.5	7.6	---	---	---	---	---	---	
Min	6.2	6.1	6.2	7.2	7.0	7.1	---	---	---	---	---	---	

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.3	7.4	7.7	8.4	8.0	8.2	8.0	7.3	7.6	7.0	6.5	6.6
2	8.5	7.6	7.8	8.5	7.7	8.1	8.0	7.3	7.8	7.0	6.6	6.7
3	8.6	7.9	8.2	8.3	7.9	8.1	8.4	7.6	7.9	6.8	6.6	6.7
4	8.7	8.0	8.3	8.4	7.8	8.1	8.2	7.9	8.0	6.9	6.6	6.7
5	8.5	8.1	8.2	8.3	7.9	8.1	8.4	7.6	7.9	7.0	6.7	6.7
6	8.4	8.0	8.2	8.4	7.9	8.0	8.0	7.4	7.7	7.1	6.8	6.9
7	8.4	7.8	8.1	8.3	8.0	8.1	7.4	7.0	7.1	7.1	6.9	7.0
8	8.3	7.7	8.0	8.2	7.8	7.9	7.7	6.8	7.0	7.0	6.9	7.0
9	8.1	7.7	7.9	7.9	7.5	7.7	7.9	7.2	7.6	7.0	6.8	6.9
10	8.3	7.6	7.9	8.3	7.4	7.6	8.0	7.1	7.5	7.1	6.8	7.0
11	8.1	7.8	8.0	8.2	7.6	7.9	8.1	7.3	7.9	7.3	6.8	7.0
12	8.2	7.7	7.9	8.2	7.6	7.8	8.0	7.4	7.8	7.6	6.8	7.0
13	8.1	7.8	7.9	8.0	7.5	7.6	8.0	7.3	7.7	7.2	6.7	6.9
14	8.4	7.6	7.7	8.3	7.5	7.8	7.8	7.2	7.5	7.2	6.7	6.9
15	8.0	7.6	7.7	8.2	7.9	8.0	8.2	7.3	7.6	8.2	6.8	6.9
16	8.0	7.4	7.7	8.2	7.7	7.9	8.0	7.3	7.6	7.8	7.1	7.3
17	8.0	7.5	7.8	8.0	7.7	7.9	7.9	7.1	7.6	7.5	7.0	7.2
18	8.2	7.7	7.9	8.1	7.4	7.7	8.0	7.5	7.7	7.4	7.1	7.2
19	8.2	7.9	8.0	7.9	7.3	7.6	7.9	7.4	7.7	7.4	7.1	7.2
20	8.4	7.7	7.9	8.3	7.5	8.0	8.0	7.4	7.7	7.3	7.0	7.2
21	8.3	7.8	8.0	8.2	8.0	8.1	8.3	7.4	7.7	7.2	7.0	7.0
22	8.3	7.8	8.0	8.3	7.8	8.0	7.9	7.4	7.7	7.5	7.0	7.2
23	8.1	7.8	8.0	8.2	7.7	8.0	8.4	7.6	7.8	7.6	7.1	7.3
24	8.3	7.7	7.9	8.5	7.7	7.8	8.1	7.8	7.9	7.6	7.1	7.3
25	8.2	7.7	7.9	8.0	7.5	7.8	8.3	7.7	7.8	7.5	7.2	7.3
26	8.2	7.7	7.8	8.1	7.4	7.7	8.1	7.8	7.9	7.4	7.2	7.3
27	8.1	7.8	7.9	8.1	7.5	7.7	8.0	6.8	7.2	7.5	7.2	7.3
28	8.2	7.6	7.8	8.3	7.5	7.8	6.8	6.3	6.4	7.4	7.2	7.3
29	8.2	7.7	7.9	8.0	7.6	7.8	6.4	6.3	6.3	7.5	7.2	7.3
30	8.7	7.7	7.9	8.1	7.5	7.7	6.4	6.3	6.4	7.7	7.2	7.3
31	---	---	---	8.0	7.6	7.8	6.6	6.3	6.4	---	---	---
Max	8.7	8.1	8.3	8.5	8.0	8.2	8.4	7.9	8.0	8.2	7.2	7.3
Min	8.0	7.4	7.7	7.9	7.3	7.6	6.4	6.3	6.3	6.8	6.5	6.6

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	
October				November				December				January	
1	22.4	21.7	21.9	20.3	18.2	19.2	16.5	15.2	15.8	---	---	---	
2	22.0	21.1	21.5	19.6	17.3	18.0	15.3	13.4	14.5	9.1	6.7	7.8	
3	21.3	20.0	20.6	18.0	16.4	17.2	14.2	11.7	13.4	9.3	6.6	7.6	
4	20.0	19.2	19.6	17.7	16.8	17.3	13.4	11.9	12.7	7.9	6.6	7.3	
5	19.5	18.5	18.9	18.2	16.1	17.2	13.1	9.8	11.3	7.8	7.1	7.5	
6	19.0	17.5	18.2	18.2	15.6	16.8	11.8	8.4	10.4	7.7	7.3	7.5	
7	18.9	16.9	18.0	17.6	13.3	16.0	10.8	6.4	9.0	---	---	---	
8	19.9	17.2	18.5	17.1	13.3	15.8	9.8	4.7	8.0	---	---	---	
9	20.3	17.6	19.1	16.3	14.3	15.8	9.2	5.4	7.9	7.5	5.3	7.2	
10	21.0	18.1	19.8	16.2	14.6	15.8	8.9	8.1	8.5	7.3	5.7	7.0	
11	21.7	19.1	20.4	16.2	15.2	15.9	8.9	7.9	8.3	6.8	5.4	6.1	
12	22.0	19.6	20.9	16.2	15.1	15.8	9.6	7.9	8.9	6.5	3.7	5.8	
13	22.2	20.5	21.4	15.9	13.9	15.4	9.2	5.2	7.3	6.4	3.1	5.6	
14	22.5	21.0	21.7	15.3	14.0	14.8	6.9	3.0	4.7	6.4	5.4	6.1	
15	21.8	19.8	20.8	15.2	14.1	14.7	5.6	1.6	4.3	6.8	5.7	6.1	
16	22.0	18.8	20.5	15.7	14.8	15.3	5.3	3.8	4.6	7.1	6.1	6.4	
17	21.9	19.1	20.7	16.2	15.4	15.8	6.8	4.9	5.4	7.1	6.4	6.6	
18	20.8	19.2	20.2	16.1	15.0	15.8	6.1	4.7	5.3	6.9	6.4	6.7	
19	21.3	19.3	20.4	16.1	14.4	15.6	6.5	4.7	5.4	7.7	6.5	6.8	
20	21.2	19.8	20.7	15.9	15.2	15.6	6.0	4.9	5.5	8.2	6.3	7.0	
21	21.5	19.1	20.7	15.8	15.0	15.6	6.0	5.2	5.5	7.9	6.6	7.2	
22	21.1	18.9	20.2	16.2	15.4	15.8	6.1	5.2	5.5	6.9	5.4	6.4	
23	20.8	17.7	19.8	17.1	16.1	16.5	6.0	5.3	5.6	6.4	5.5	6.0	
24	20.4	17.7	19.6	17.2	16.7	16.9	6.0	5.3	5.6	6.3	5.7	6.0	
25	20.2	19.0	19.9	16.9	15.3	16.3	6.3	5.6	5.9	6.2	5.5	5.8	
26	21.8	19.6	20.7	16.8	16.3	16.6	6.2	4.7	5.7	7.6	5.8	6.5	
27	23.5	21.5	22.4	16.8	14.9	16.2	5.7	2.8	4.9	8.0	6.0	7.0	
28	23.6	22.7	23.1	16.0	12.9	15.1	5.5	3.3	5.0	8.0	6.7	7.3	
29	23.2	19.7	21.4	14.9	13.6	14.3	5.5	4.8	5.1	8.3	7.1	7.5	
30	21.6	18.8	20.2	15.2	14.0	14.3	5.8	5.0	5.4	9.6	7.4	8.1	
31	20.5	17.9	19.3	---	---	---	---	---	---	9.1	8.0	8.6	
Month	23.6	16.9	20.4	20.3	12.9	16.0	---	---	---	---	---	---	

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	8.7	7.4	8.3	17.2	14.6	16.3	14.6	12.9	13.9	26.0	22.8	24.8
2	13.0	8.4	10.6	15.9	13.2	14.9	14.7	12.6	14.0	26.6	23.2	24.8
3	12.1	9.7	10.7	15.7	13.5	14.7	15.9	12.8	14.5	26.6	23.9	25.2
4	10.0	8.6	9.2	15.3	11.6	13.7	18.6	14.4	16.3	25.4	23.7	24.8
5	9.2	7.9	8.4	15.5	13.1	14.5	18.9	17.9	18.5	24.5	20.9	23.3
6	10.0	8.3	9.0	16.2	14.8	15.6	19.3	16.2	18.0	23.3	21.7	22.8
7	9.5	8.9	9.2	15.8	13.0	14.6	19.6	16.5	18.2	24.2	21.7	22.7
8	10.4	8.8	9.4	15.4	12.6	14.5	21.4	18.5	19.5	23.8	22.4	22.9
9	10.4	8.2	9.0	15.3	13.6	14.6	20.7	18.9	19.6	24.6	22.4	23.0
10	8.8	7.2	8.0	15.5	14.9	15.1	20.4	18.8	19.4	24.8	22.9	23.5
11	8.3	5.9	6.6	15.3	13.2	14.3	22.6	19.6	20.8	24.7	23.1	23.9
12	8.0	5.1	6.6	15.0	12.5	14.2	22.6	21.2	21.8	23.9	22.9	23.4
13	7.7	5.2	6.7	15.9	13.4	14.6	21.7	20.2	21.0	23.9	22.8	23.3
14	9.3	6.4	7.7	16.6	14.6	15.4	22.8	19.8	21.3	25.5	23.1	24.0
15	9.7	7.5	8.7	15.7	14.4	15.2	22.8	20.7	21.7	25.6	24.1	24.7
16	9.8	7.7	8.9	17.7	14.7	15.7	22.0	20.8	21.3	25.9	23.9	24.7
17	11.2	8.8	9.9	18.3	15.4	16.2	21.9	19.4	20.8	25.0	23.6	24.3
18	13.6	10.7	11.9	18.7	15.9	16.9	22.4	19.6	20.9	24.4	23.1	23.7
19	13.4	11.2	12.3	19.8	16.4	18.0	23.5	20.3	21.9	24.7	22.3	23.4
20	12.9	10.2	11.8	18.6	16.3	17.7	24.5	21.8	22.9	25.5	22.9	23.9
21	14.6	11.8	13.0	18.8	16.5	17.7	24.3	22.8	23.4	26.1	24.0	24.7
22	14.2	12.9	13.7	20.2	17.2	18.3	23.2	21.2	22.4	27.3	24.6	25.8
23	13.4	10.9	12.6	19.8	18.2	18.9	23.8	21.4	22.4	27.7	25.7	26.7
24	13.4	11.8	12.7	19.9	18.6	19.1	25.1	22.6	23.7	28.5	26.6	27.1
25	15.1	13.1	14.1	19.4	17.4	18.5	26.1	23.5	24.7	30.2	27.1	28.2
26	14.7	13.6	14.1	18.4	16.8	17.9	25.9	24.9	25.3	30.0	28.1	28.9
27	16.0	13.3	14.4	17.7	14.8	16.1	25.8	24.4	25.1	29.6	28.3	28.9
28	17.3	14.6	16.0	16.1	12.8	14.6	25.5	24.7	25.1	28.8	26.8	28.0
29	---	---	---	15.4	13.1	14.6	26.0	23.7	24.9	29.5	27.2	28.3
30	---	---	---	14.9	13.7	14.5	26.2	22.6	24.7	30.6	27.9	29.0
31	---	---	---	14.9	13.1	14.0	---	---	---	31.3	28.7	29.5
Month	17.3	5.1	10.5	20.2	11.6	15.8	26.2	12.6	20.9	31.3	20.9	25.2

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
				June			July			August		
1	32.1	29.1	30.1	31.8	29.2	30.4	32.5	30.5	31.6	26.8	23.4	25.0
2	32.5	29.6	30.6	31.4	29.6	30.5	32.9	30.2	31.5	26.5	24.0	25.4
3	31.7	29.1	30.7	31.5	28.8	30.4	33.1	31.1	32.1	28.0	24.6	26.1
4	30.5	28.3	29.8	31.0	29.0	30.3	33.1	31.0	32.1	28.7	25.4	26.9
5	30.5	28.2	29.4	30.4	29.0	29.9	33.0	31.4	32.3	28.7	26.6	27.6
6	30.3	28.5	29.4	30.7	29.2	29.9	32.3	30.8	31.5	28.6	27.4	28.0
7	30.4	28.4	29.3	31.4	29.5	30.3	30.9	28.8	30.0	28.9	27.4	28.0
8	30.7	28.3	29.4	30.7	29.2	29.9	31.7	28.5	30.1	29.5	27.7	28.3
9	31.1	28.6	29.8	30.0	28.8	29.4	32.6	30.8	31.7	28.2	26.6	27.5
10	31.3	28.8	30.0	31.8	29.4	30.3	33.3	31.2	32.0	28.7	25.8	27.4
11	31.0	29.0	30.0	32.6	29.9	31.3	33.4	32.1	32.6	28.6	26.0	27.7
12	30.6	28.7	29.9	32.6	30.3	31.5	32.7	30.9	31.8	29.7	26.5	27.8
13	31.4	28.4	29.8	34.3	31.1	32.0	31.4	29.0	30.4	27.7	24.4	26.1
14	30.1	28.2	29.4	32.5	30.6	31.8	30.8	28.9	29.9	28.1	25.4	26.9
15	29.9	27.1	28.7	31.1	27.8	29.8	30.8	28.3	29.6	28.8	26.0	27.6
16	29.2	27.1	28.3	30.0	27.9	28.9	30.9	28.1	29.6	28.1	23.3	25.4
17	29.3	27.4	28.2	29.3	27.8	28.6	31.0	28.7	30.0	25.8	22.5	23.8
18	29.9	28.0	28.9	30.0	27.5	28.6	30.7	29.2	30.2	23.9	21.6	22.7
19	30.0	28.0	29.1	30.2	28.1	29.1	30.9	28.9	30.2	23.8	21.8	22.9
20	30.4	28.9	29.7	31.4	28.9	29.8	31.2	29.5	30.4	23.8	22.8	23.4
21	30.0	28.8	29.5	31.6	29.8	30.6	31.4	29.8	30.7	24.8	23.2	23.7
22	29.7	28.6	29.1	32.1	30.2	31.0	30.8	29.1	30.3	25.4	24.2	24.7
23	30.3	28.6	29.3	32.4	30.2	31.2	30.8	29.5	30.3	25.8	24.7	25.1
24	30.4	28.7	29.6	32.3	30.2	31.0	30.2	28.0	29.3	25.4	24.5	25.0
25	31.2	29.0	29.7	32.2	30.2	31.3	31.0	28.8	29.8	25.1	24.0	24.5
26	31.7	29.4	30.4	31.7	29.7	31.0	30.5	28.3	29.6	25.1	23.6	24.4
27	31.2	30.1	30.7	32.1	29.8	30.7	28.6	23.7	25.3	25.7	23.8	24.7
28	31.4	29.6	30.6	33.1	30.8	31.7	25.8	23.3	24.5	26.6	24.5	25.4
29	30.5	29.2	30.2	33.8	31.1	32.1	26.4	24.4	25.4	26.8	25.0	25.9
30	31.7	29.1	30.3	33.7	31.4	32.5	26.2	25.0	25.6	26.9	24.7	26.0
31	---	---	---	33.7	31.6	32.5	27.3	24.3	25.2	---	---	---
Month	32.5	27.1	29.7	34.3	27.5	30.6	33.4	23.3	29.9	29.7	21.6	25.8

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October				November				December			
1	6.0	4.0	4.7	8.5	5.3	7.0	---	---	---	---	---	---
2	4.0	3.7	3.8	9.2	6.5	7.9	---	---	---	13.3	10.1	11.6
3	3.8	3.6	3.7	8.7	6.6	7.6	7.4	4.6	5.7	14.4	9.8	12.0
4	3.9	2.2	3.6	7.6	5.6	6.8	6.6	4.3	5.1	14.1	10.8	12.6
5	4.1	2.4	3.6	9.2	2.9	6.0	7.3	4.5	6.0	14.2	11.5	13.0
6	4.4	3.4	4.0	8.8	2.6	5.5	6.9	3.7	5.6	13.7	11.7	12.5
7	4.3	3.5	4.0	6.8	1.2	4.0	8.2	4.9	5.9	---	---	---
8	4.3	3.5	4.0	6.7	1.3	3.7	9.1	4.9	6.0	---	---	---
9	4.5	3.4	4.0	5.4	1.6	3.1	7.0	4.3	5.9	12.9	10.8	11.7
10	4.4	3.5	4.0	5.0	1.0	2.7	8.2	6.0	7.2	12.7	10.1	11.0
11	4.5	3.4	3.9	4.6	0.8	2.7	6.7	4.4	5.1	11.6	9.5	10.6
12	4.5	3.4	4.0	5.7	0.3	2.4	7.2	2.7	4.0	13.8	9.4	11.0
13	4.6	3.5	4.0	7.1	0.4	3.8	9.6	4.3	7.1	15.2	9.7	11.7
14	4.8	3.6	4.2	9.3	3.8	6.4	11.0	6.1	9.4	15.1	8.9	11.6
15	4.9	1.6	3.9	---	---	---	12.2	8.0	9.7	15.2	11.0	13.3
16	4.9	0.0	2.6	---	---	---	11.5	8.9	9.8	16.2	12.7	14.2
17	4.5	0.0	1.3	---	---	---	10.4	7.6	8.9	16.8	12.2	13.6
18	5.3	0.9	3.2	---	---	---	10.2	7.8	8.5	13.6	10.8	12.1
19	6.2	3.4	4.6	---	---	---	10.3	7.1	9.1	12.2	9.7	10.5
20	6.2	3.8	4.6	---	---	---	9.9	7.5	9.1	10.8	9.0	9.8
21	7.1	3.8	4.8	---	---	---	10.3	8.3	9.5	11.3	8.9	9.8
22	7.1	2.2	4.8	---	---	---	10.6	8.1	9.7	10.4	8.9	9.5
23	7.2	1.5	4.1	---	---	---	10.4	7.9	9.6	11.3	8.1	9.6
24	7.8	3.3	5.4	---	---	---	10.5	8.5	9.7	10.5	7.9	9.4
25	7.0	4.2	5.8	---	---	---	11.3	8.9	9.9	10.4	7.5	9.2
26	7.8	5.3	6.6	---	---	---	10.9	8.9	10	10.4	6.0	8.4
27	8.6	6.1	7.4	---	---	---	10.8	9.4	10.1	10.0	6.6	8.7
28	7.8	5.8	7.0	---	---	---	11.7	9.2	10.5	9.9	6.7	8.7
29	6.8	5.5	6.3	---	---	---	13.5	10.7	11.9	10.4	8.6	9.3
30	8.9	4.7	6.6	---	---	---	14.1	10.4	12.6	11.3	8.4	9.4
31	7.8	5.8	6.8	---	---	---	---	---	---	11.4	8.7	9.6
Month	8.9	0.0	4.6	---	---	---	---	---	---	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	10.8	8.8	9.8	---	---	---	9.2	1.0	3.7	17.2	4.3	9.0
2	11.5	8.5	9.9	---	---	---	9.4	0.8	3.4	14.8	4.0	8.6
3	10.1	7.5	8.9	---	---	---	9.8	1.1	4.7	11.6	3.1	7.2
4	9.4	7.6	8.6	---	---	---	15.7	1.4	8.6	9.0	2.5	5.6
5	9.4	8.0	8.9	---	---	---	10.0	3.0	6.9	11.5	2.9	5.7
6	9.3	8.2	8.6	---	---	---	15.3	0.9	5.2	---	---	---
7	8.3	8.0	8.2	---	---	---	10.9	0.1	3.8	---	---	---
8	9.3	8.2	8.8	12.1	4.7	6.9	9.8	0.5	3.7	---	---	---
9	8.9	8.5	8.6	10.8	3.6	7.6	6.8	0.5	2.2	---	---	---
10	9.3	6.8	8.9	9.2	6.9	7.9	5.2	0.5	1.7	---	---	---
11	---	---	---	9.0	5.9	7.7	5.3	0.6	2.6	---	---	---
12	---	---	---	8.8	4.3	6.5	3.3	1.7	2.6	7.8	5.2	6.1
13	---	---	---	10.6	4.3	7.4	9.3	1.0	3.3	7.3	5.0	6.0
14	---	---	---	10.5	2.6	6.5	14.1	0.6	6.0	8.1	5.5	6.6
15	---	---	---	10.2	4.2	6.4	17.6	4.2	9.4	7.1	4.8	6.2
16	---	---	---	10.4	4.4	6.1	10.5	6.7	8.0	7.8	3.6	6.0
17	---	---	---	12.3	3.2	6.1	13.4	4.9	7.8	---	---	---
18	---	---	---	12.8	3.4	6.8	13.3	6.0	9.2	---	---	---
19	---	---	---	14.8	4.7	9.2	12.3	6.1	8.9	---	---	---
20	---	---	---	14.3	5.9	9.1	11.4	5.4	8.1	---	---	---
21	---	---	---	13.7	5.8	9.5	9.1	3.1	6.3	---	---	---
22	---	---	---	15.2	5.2	8.4	9.4	2.2	5.8	---	---	---
23	---	---	---	10.9	3.7	6.8	12.9	4.1	8.0	---	---	---
24	---	---	---	10.3	3.3	6.4	14.1	3.5	9.0	---	---	---
25	---	---	---	10.2	4.4	7.1	17.6	3.3	10.3	---	---	---
26	---	---	---	9.3	4.9	6.3	13.5	4.3	9.3	9.1	3.4	5.9
27	---	---	---	8.2	4.0	6.1	9.5	3.5	7.1	---	---	---
28	---	---	---	6.8	3.7	5.1	7.6	3.9	6.1	---	---	---
29	---	---	---	12.9	2.9	5.3	11.9	2.8	5.9	---	---	---
30	---	---	---	12.7	4.0	7.5	14.3	2.8	6.9	---	---	---
31	---	---	---	8.5	1.6	4.6	---	---	---	---	---	---
Month	---	---	---	---	---	---	17.6	0.1	6.2	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	0.3	0.0	0.0
2	---	---	---	---	---	---	---	---	---	0.8	0.0	0.1
3	11.7	3.2	6.6	---	---	---	11.0	2.4	5.2	2.7	0.0	0.3
4	11.4	4.2	7.0	---	---	---	8.8	3.5	5.3	4.3	0.0	0.9
5	8.4	4.3	6.2	---	---	---	12.7	1.4	5.8	4.6	0.0	1.6
6	8.8	3.1	5.8	---	---	---	6.6	1.6	3.8	4.5	2.1	3.0
7	8.8	2.3	5.3	---	---	---	4.4	0.1	2.1	4.4	1.2	3.1
8	8.6	3.0	5.4	7.3	3.0	4.5	4.4	0.0	1.8	3.3	0.6	2.3
9	7.4	3.4	5.6	6.7	2.0	3.7	4.5	0.3	1.7	3.8	0.1	1.8
10	9.5	2.5	5.9	13.2	1.2	5.3	7.1	0.1	2.6	3.6	0.1	1.8
11	7.0	4.2	5.7	10.3	2.6	6.7	7.1	0.7	3.1	9.0	0.1	3.1
12	7.5	3.4	5.3	11.9	1.8	5.8	7.0	0.0	2.0	10.4	0.4	4.3
13	7.9	3.4	4.8	8.8	0.4	3.8	---	---	---	8.3	0.4	4.0
14	---	---	---	10.9	0.1	4.8	---	---	---	10.4	0.1	4.0
15	---	---	---	7.9	4.5	5.9	---	---	---	13.1	0.1	4.8
16	---	---	---	10.5	3.6	6.5	---	---	---	9.3	2.7	6.7
17	---	---	---	8.5	4.9	6.9	7.9	0.2	2.4	8.8	1.4	5.0
18	9.4	4.1	5.9	11.6	2.5	6.6	6.5	0.3	3.9	---	---	---
19	7.6	4.3	5.9	9.4	3.1	6.7	6.7	1.2	3.4	---	---	---
20	10.0	3.4	6.1	9.3	3.7	6.2	5.5	0.4	2.9	---	---	---
21	9.4	4.7	6.7	7.5	4.0	5.4	11.4	0.1	3.4	---	---	---
22	10.1	3.5	6.1	9.3	2.8	5.4	7.0	0.3	3.2	---	---	---
23	7.7	4.0	6.0	7.8	2.5	5.4	17.2	0.0	4.0	6.7	0.8	3.5
24	13.1	3.3	6.6	12.2	1.9	4.8	8.2	1.2	4.8	6.6	0.6	3.7
25	9.3	4.2	6.3	7.2	1.5	3.8	10.1	1.7	5.2	6.2	0.3	2.8
26	11.6	1.1	6.1	8.6	0.6	3.3	7.1	2.6	5.3	5.2	0.9	2.8
27	8.3	2.5	5.5	8.5	0.7	3.9	7.3	5.2	6.4	5.6	1.5	3.1
28	8.9	1.9	4.7	10.6	1.2	5.1	5.2	2.0	3.0	5.8	2.0	3.6
29	6.6	2.2	4.1	7.2	1.5	4.3	2.6	1.1	1.8	5.8	2.5	4.0
30	13.4	1.3	4.9	---	---	---	2.5	0.5	1.5	7.4	2.9	4.6
31	---	---	---	---	---	---	0.8	0.0	0.3	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	
October				November				December				January	
1	69	46	54	95	60	78	---	---	---	---	---	---	---
2	46	42	43	100	72	85	---	---	---	123	90	106	
3	43	40	41	92	70	81	74	48	58	135	87	112	
4	43	24	39	82	60	74	65	44	52	132	100	118	
5	45	26	39	98	33	65	71	46	58	134	108	122	
6	47	36	42	93	30	59	67	37	54	128	110	118	
7	46	37	43	69	14	42	73	46	55	---	---	---	
8	48	37	42	72	15	40	75	46	55	---	---	---	
9	50	36	43	55	18	34	66	40	54	121	101	110	
10	50	37	44	55	11	30	77	57	67	119	96	104	
11	52	37	44	50	9	30	63	42	48	107	89	97	
12	52	37	45	63	3	27	65	26	38	120	87	99	
13	53	40	46	79	4	41	79	39	61	128	90	105	
14	56	41	48	100	41	69	87	51	76	138	82	106	
15	55	19	44	---	---	---	98	68	80	139	102	122	
16	54	0	29	---	---	---	94	77	83	148	116	129	
17	49	0	15	---	---	---	85	66	75	155	112	125	
18	60	10	36	---	---	---	82	67	73	124	100	111	
19	71	39	52	---	---	---	86	61	77	110	82	94	
20	71	44	52	---	---	---	87	65	79	99	79	88	
21	82	44	55	---	---	---	91	71	83	105	79	90	
22	79	25	54	---	---	---	94	72	86	93	78	87	
23	80	18	46	---	---	---	92	70	86	101	74	88	
24	88	38	61	---	---	---	94	76	88	94	72	85	
25	78	48	66	---	---	---	102	80	90	94	67	83	
26	90	60	75	---	---	---	99	79	89	89	54	73	
27	103	71	87	---	---	---	94	79	88	85	59	75	
28	93	69	83	---	---	---	105	84	93	92	61	79	
29	79	62	72	---	---	---	120	96	106	96	76	84	
30	102	53	75	---	---	---	126	92	113	101	78	85	
31	86	66	75	---	---	---	---	---	---	106	78	88	
Month	103	0	51	---	---	---	---	---	---	---	---	---	

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued
**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	102	81	91	---	---	---	90	11	37	220	55	114
2	108	81	93	---	---	---	95	8	35	191	50	109
3	95	73	84	---	---	---	101	12	48	150	40	92
4	83	71	79	---	---	---	172	14	91	111	32	71
5	82	70	77	---	---	---	109	33	75	140	36	70
6	81	71	75	---	---	---	169	10	57	---	---	---
7	73	70	72	---	---	---	121	1	42	---	---	---
8	83	71	77	122	48	70	114	6	42	---	---	---
9	79	73	75	110	38	76	76	6	25	---	---	---
10	79	63	75	93	71	81	58	6	19	---	---	---
11	---	---	---	88	61	76	63	7	31	---	---	---
12	---	---	---	88	44	65	39	20	31	99	66	77
13	---	---	---	108	44	74	108	12	39	93	63	77
14	---	---	---	109	27	67	166	7	71	106	69	85
15	---	---	---	103	44	66	210	50	112	93	62	80
16	---	---	---	110	46	64	124	80	95	103	46	79
17	---	---	---	133	34	64	158	56	92	---	---	---
18	---	---	---	140	36	72	158	71	108	---	---	---
19	---	---	---	164	51	101	150	71	106	---	---	---
20	---	---	---	154	64	98	141	64	99	---	---	---
21	---	---	---	150	63	103	112	38	77	---	---	---
22	---	---	---	171	57	92	113	27	70	---	---	---
23	---	---	---	122	41	76	160	49	97	---	---	---
24	---	---	---	115	37	72	178	43	111	---	---	---
25	---	---	---	113	50	80	222	41	130	---	---	---
26	---	---	---	100	55	70	172	54	118	128	48	82
27	---	---	---	86	44	64	118	44	90	---	---	---
28	---	---	---	67	39	52	95	49	76	---	---	---
29	---	---	---	132	30	55	149	36	74	---	---	---
30	---	---	---	126	42	77	183	36	87	---	---	---
31	---	---	---	84	17	47	---	---	---	---	---	---
Month	---	---	---	---	---	---	222	1	73	---	---	---

0209303205 NEW RIVER BELOW U.S. HIGHWAY 17 BRIDGE AT JACKSONVILLE, NC—Continued**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	
June				July				August				September	
1	---	---	---	---	---	---	---	---	---	4	0	0	
2	---	---	---	---	---	---	---	---	---	11	0	1	
3	170	47	95	---	---	---	172	37	80	36	0	4	
4	162	61	100	---	---	---	134	54	82	58	0	12	
5	119	61	89	---	---	---	197	21	88	62	0	21	
6	124	44	83	---	---	---	99	25	57	61	27	40	
7	124	33	76	---	---	---	61	1	30	58	16	41	
8	126	42	78	105	44	66	60	0	26	44	8	31	
9	105	49	80	95	29	54	69	5	26	49	1	23	
10	139	36	85	196	17	78	102	2	39	47	1	23	
11	102	61	82	154	39	100	107	11	47	118	1	41	
12	109	49	76	179	27	87	102	0	30	139	5	56	
13	116	49	70	135	6	57	126	6	54	105	5	50	
14	---	---	---	163	2	73	88	14	40	135	1	51	
15	---	---	---	116	66	86	111	9	43	172	1	62	
16	---	---	---	155	51	95	---	---	---	113	35	83	
17	---	---	---	123	70	100	116	3	35	104	18	61	
18	136	58	85	171	36	95	96	5	57	93	35	65	
19	108	62	85	139	44	97	99	18	50	84	25	53	
20	145	49	89	142	54	91	82	6	43	84	27	51	
21	137	69	98	114	59	81	172	1	51	---	---	---	
22	146	51	89	142	42	81	101	4	47	---	---	---	
23	112	58	87	120	37	81	251	0	60	85	10	44	
24	191	48	97	186	28	71	121	18	70	82	8	47	
25	138	60	91	109	23	58	150	25	77	76	4	35	
26	174	16	91	124	9	50	106	39	78	64	11	35	
27	123	37	82	128	11	58	89	62	80	71	19	40	
28	133	28	70	163	18	77	62	24	36	75	26	46	
29	97	33	61	111	23	65	32	14	22	76	32	52	
30	200	19	72	---	---	---	31	6	18	98	38	60	
31	---	---	---	---	---	---	10	0	4	---	---	---	
Month	---	---	---	---	---	---	---	---	---	---	---	---	