



Water-Data Report 2010

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, 3.92 ft, September 30; minimum gage height, not determined.

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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

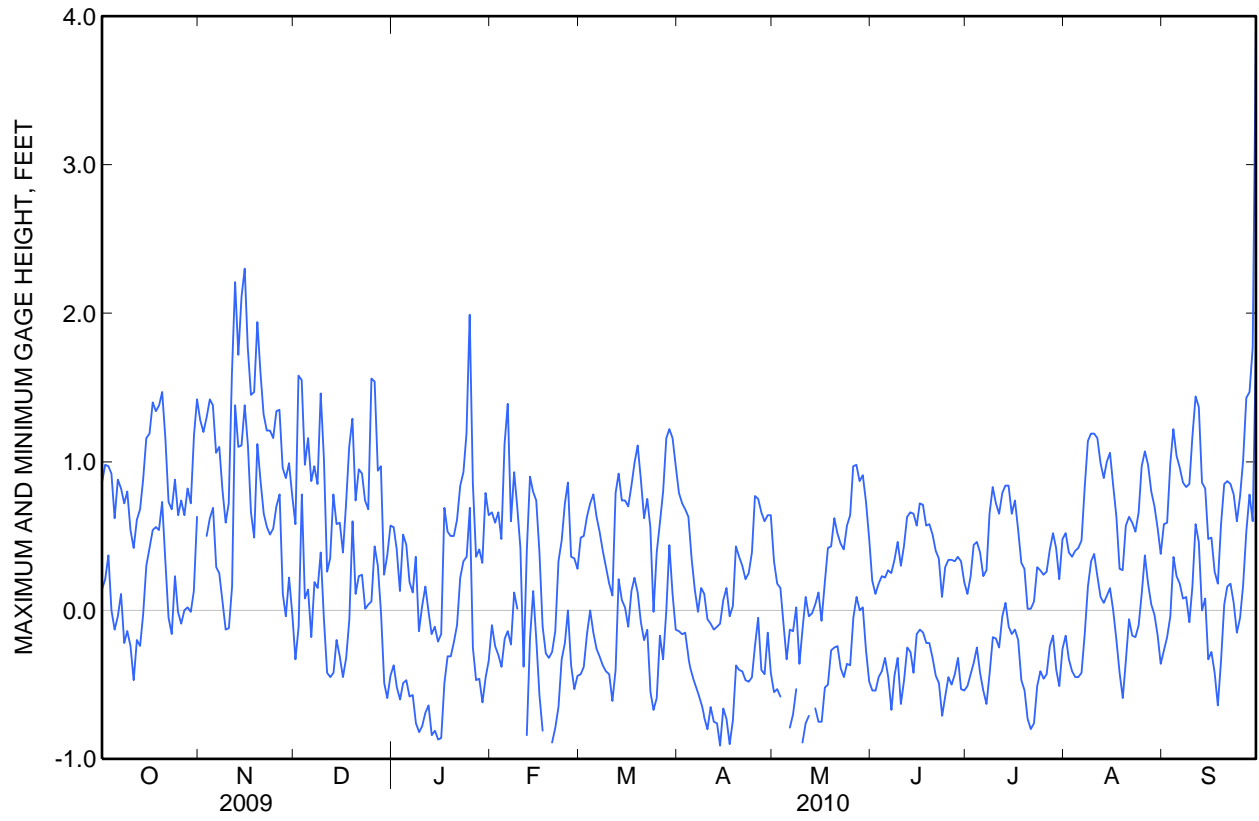
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	0.86	0.14	1.28	---	0.58	-0.33	0.56	-0.37	0.66	-0.10	0.49	-0.43
2	0.98	0.21	1.20	---	1.58	-0.11	0.41	-0.52	0.59	-0.24	0.50	-0.38
3	0.97	0.37	1.30	0.50	1.55	0.78	0.13	-0.60	0.66	-0.30	0.63	-0.16
4	0.92	0.00	1.42	0.62	0.98	0.08	0.51	-0.49	0.48	-0.38	0.72	0.00
5	0.62	-0.13	1.38	0.69	1.16	0.14	0.44	-0.47	1.12	-0.19	0.78	-0.15
6	0.88	-0.04	1.06	0.29	0.87	-0.18	0.19	-0.58	1.39	-0.14	0.63	-0.26
7	0.82	0.11	1.10	0.25	0.97	0.19	0.12	-0.57	0.60	-0.23	0.53	-0.31
8	0.72	-0.22	0.81	0.06	0.85	0.15	0.36	-0.76	0.93	0.12	0.40	-0.37
9	0.80	-0.14	0.59	-0.13	1.46	0.39	-0.14	-0.82	0.70	0.01	0.29	-0.41
10	0.54	-0.24	0.72	-0.12	1.02	-0.06	0.03	-0.78	0.42	---	0.18	-0.43
11	0.42	-0.47	1.59	0.16	0.26	-0.42	0.16	-0.69	-0.38	---	0.10	-0.61
12	0.61	-0.20	2.21	1.38	0.35	-0.45	-0.01	-0.64	0.40	-0.84	0.79	-0.40
13	0.68	-0.24	1.72	1.10	0.78	-0.42	-0.16	-0.84	0.90	-0.19	0.92	0.21
14	0.88	-0.03	2.11	1.11	0.58	-0.20	-0.11	-0.81	0.80	0.13	0.74	0.07
15	1.16	0.30	2.30	1.38	0.59	-0.31	-0.21	-0.87	0.74	-0.19	0.74	0.02
16	1.19	0.42	1.77	1.11	0.39	-0.45	-0.16	-0.86	0.39	-0.57	0.70	-0.11
17	1.40	0.54	1.45	0.66	0.71	-0.32	0.69	-0.49	-0.11	-0.81	0.84	0.13
18	1.34	0.56	1.47	0.49	1.10	-0.06	0.53	-0.31	-0.29	---	0.99	0.22
19	1.38	0.54	1.94	1.12	1.29	0.60	0.50	-0.31	-0.32	---	1.11	0.12
20	1.47	0.73	1.59	0.87	0.74	0.11	0.50	-0.21	-0.28	-0.89	0.88	-0.08
21	1.16	0.33	1.32	0.65	0.95	0.23	0.61	-0.10	-0.14	-0.79	0.62	-0.20
22	0.73	-0.05	1.21	0.56	0.92	0.24	0.84	0.22	0.33	-0.65	0.75	-0.13
23	0.68	-0.16	1.21	0.51	0.74	0.01	0.93	0.33	0.47	-0.33	0.56	-0.55
24	0.88	0.23	1.16	0.55	0.68	0.04	1.19	0.36	0.72	-0.22	-0.01	-0.67
25	0.64	-0.01	1.34	0.70	1.56	0.06	1.99	0.69	0.86	0.00	0.39	-0.59
26	0.74	-0.09	1.35	0.78	1.54	0.43	0.85	-0.25	0.36	-0.37	0.59	-0.17
27	0.64	0.00	0.96	0.11	0.94	0.30	0.36	-0.47	0.35	-0.53	0.80	-0.33
28	0.82	0.02	0.89	-0.04	0.97	-0.02	0.41	-0.46	0.28	-0.44	1.16	0.00
29	0.72	-0.01	0.99	0.22	0.24	-0.49	0.32	-0.62	---	---	1.22	0.44
30	1.18	0.13	0.77	-0.02	0.37	-0.59	0.79	-0.45	---	---	1.16	0.11
31	1.42	0.63	---	---	0.57	-0.44	0.64	-0.34	---	---	0.97	-0.13
Month	1.47	-0.47	2.30	---	1.58	-0.59	1.99	-0.87	1.39	---	1.22	-0.67

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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	0.79	-0.14	0.33	-0.55	0.20	-0.54	0.11	-0.51	0.52	-0.17	0.58	-0.27
2	0.72	-0.16	0.18	-0.53	0.11	-0.54	0.23	-0.43	0.39	-0.33	0.59	-0.18
3	0.68	-0.15	0.15	-0.58	0.18	-0.45	0.44	-0.35	0.36	-0.41	0.99	-0.04
4	0.63	-0.31	-0.10	---	0.23	-0.41	0.46	-0.25	0.40	-0.45	1.22	0.36
5	0.35	-0.42	-0.33	---	0.22	-0.32	0.39	-0.42	0.42	-0.45	1.04	0.23
6	0.14	-0.49	-0.13	-0.79	0.27	-0.45	0.23	-0.54	0.47	-0.42	0.96	0.18
7	-0.01	-0.56	-0.14	-0.70	0.25	-0.67	0.27	-0.63	0.83	-0.16	0.86	0.08
8	0.15	-0.62	0.02	-0.53	0.34	-0.44	0.65	-0.42	1.14	0.16	0.83	0.09
9	0.11	-0.72	-0.36	---	0.46	-0.32	0.83	-0.18	1.19	0.33	0.85	-0.08
10	-0.06	-0.80	-0.13	-0.89	0.30	-0.63	0.72	-0.19	1.19	0.38	1.17	0.16
11	-0.09	-0.65	0.09	-0.76	0.43	-0.47	0.65	-0.25	1.16	0.23	1.44	0.58
12	-0.13	-0.75	-0.04	-0.71	0.63	-0.25	0.79	-0.04	0.99	0.09	1.37	0.46
13	-0.11	-0.76	-0.02	---	0.66	-0.28	0.84	0.05	0.89	0.05	0.86	0.00
14	-0.09	-0.91	0.04	-0.66	0.65	-0.42	0.84	-0.11	1.00	0.10	0.82	0.08
15	0.07	-0.66	0.12	-0.75	0.57	-0.16	0.65	-0.16	1.06	0.15	0.48	-0.33
16	0.15	-0.73	-0.07	-0.75	0.72	-0.13	0.74	-0.13	0.84	0.00	0.49	-0.28
17	-0.04	-0.90	0.18	-0.52	0.71	-0.15	0.54	-0.20	0.63	-0.20	0.26	-0.42
18	0.03	-0.74	0.42	-0.50	0.57	-0.22	0.32	-0.47	0.28	-0.42	0.18	-0.64
19	0.43	-0.37	0.43	-0.27	0.58	-0.22	0.28	-0.54	0.27	-0.59	0.58	-0.34
20	0.36	-0.40	0.62	-0.25	0.51	-0.32	0.01	-0.73	0.57	-0.34	0.85	0.04
21	0.30	-0.41	0.52	-0.24	0.40	-0.44	0.01	-0.80	0.63	-0.06	0.87	0.16
22	0.21	-0.47	0.45	-0.39	0.35	-0.49	0.06	-0.76	0.59	-0.17	0.85	0.18
23	0.25	-0.48	0.41	-0.45	0.09	-0.71	0.29	-0.51	0.53	-0.18	0.78	0.05
24	0.39	-0.45	0.57	-0.36	0.29	-0.58	0.27	-0.41	0.66	-0.10	0.60	-0.15
25	0.77	-0.24	0.64	-0.37	0.34	-0.45	0.24	-0.46	0.97	0.12	0.77	-0.05
26	0.75	-0.05	0.97	-0.05	0.34	-0.50	0.26	-0.43	1.07	0.37	1.01	0.17
27	0.66	-0.40	0.98	0.09	0.33	-0.43	0.41	-0.24	0.98	0.18	1.43	0.53
28	0.60	-0.43	0.87	0.00	0.36	-0.32	0.52	-0.17	0.80	0.04	1.47	0.78
29	0.64	-0.15	0.91	0.02	0.33	-0.53	0.42	-0.40	0.70	-0.03	1.77	0.60
30	0.64	-0.42	0.73	-0.27	0.19	-0.54	0.21	-0.51	0.55	-0.17	3.92	1.77
31	---	---	0.48	-0.48	---	---	0.48	-0.26	0.38	-0.36	---	---
Month	0.79	-0.91	0.98	---	0.72	-0.71	0.84	-0.80	1.19	-0.59	3.92	-0.64

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; minimum recorded, 5.8 standard units, November 14, 15, 2010.

WATER TEMPERATURE: Maximum recorded, 33.7°C, July 25, 2010; minimum recorded, 2.3°C, January 6, 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, 216%, April 28, 2009; minimum recorded, 0.0, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 23.8 ppt, September 11; minimum recorded, 0.04 ppt, January 27, February 7, 8.

SPECIFIC CONDUCTANCE: Maximum recorded, 37, 500 microsiemens, September 11; minimum recorded, 90 microsiemens, February 8.

pH: Maximum recorded, 8.8 standard units, April 13; minimum recorded, 5.8 standard units, November 14, 15.

WATER TEMPERATURE: Maximum recorded, 33.7°C, July 25; minimum recorded, 2.3°C, January 6.

DISSOLVED OXYGEN: Maximum recorded, 16.6 mg/L, April 20; minimum recorded, 0.0, on many days during the period.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 198%, April 20; minimum recorded, 0.0, on many days during the period.

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.3	4.5	10.9	14.7	11.4	12.9	7.8	0.54	4.0	3.1	0.13	0.47
2	12.1	4.1	8.6	14.4	10.9	12.5	7.0	0.93	4.3	7.7	0.09	0.73
3	11.2	3.8	7.8	15.1	11.2	13.4	5.1	0.31	2.1	7.8	0.10	1.2
4	9.8	4.2	6.8	15.9	11.6	14.2	0.36	0.09	0.15	7.8	0.16	3.4
5	11.5	4.3	8.6	16.1	12.2	14.0	0.12	0.08	0.10	7.7	0.22	4.1
6	12.5	5.2	9.8	17.4	10.6	13.5	0.09	0.07	0.08	7.3	0.26	3.9
7	12.1	4.5	9.2	18.8	10.7	15.6	0.11	0.07	0.07	7.5	0.30	4.5
8	11.6	4.7	9.1	17.8	11.1	15.3	0.21	0.07	0.09	7.0	0.28	3.1
9	11.8	6.5	9.4	17.2	12.8	15.6	2.8	0.10	1.2	7.7	0.30	5.4
10	10.5	5.0	8.1	17.5	9.3	15.8	0.19	0.11	0.13	7.8	0.52	4.4
11	10.8	5.0	8.5	16.9	2.5	9.8	0.15	0.10	0.11	7.2	0.96	5.2
12	11.8	6.7	9.9	2.9	0.14	1.0	0.96	0.11	0.22	7.3	0.56	4.0
13	11.5	6.4	9.6	0.21	0.08	0.11	2.0	0.13	0.52	9.5	0.78	6.5
14	11.8	6.5	9.4	7.9	0.07	0.61	2.0	0.14	0.35	9.3	0.59	5.7
15	11.8	6.9	9.4	7.9	0.08	1.1	1.2	0.14	0.29	7.9	0.55	4.2
16	12.7	7.9	10.3	5.1	0.10	0.58	3.3	0.15	0.55	8.0	0.77	4.7
17	14.0	8.6	11.6	6.8	0.10	0.81	4.1	0.24	1.7	7.2	0.54	2.5
18	13.1	9.5	11.2	9.1	0.18	2.8	4.4	0.41	1.9	6.7	0.47	1.1
19	14.1	9.0	11.8	10	0.52	2.6	3.3	1.2	2.2	9.0	0.36	3.0
20	14.3	10.2	12.5	2.2	0.10	0.31	8.0	0.42	1.7	7.3	0.33	2.3
21	13.1	8.8	10.7	5.6	0.11	0.53	9.1	0.32	5.3	7.3	0.39	3.3
22	13.5	7.8	10.2	11.1	0.14	2.1	8.0	0.69	4.8	8.1	0.30	2.1
23	13.2	8.6	11.2	9.0	0.21	2.6	8.2	0.77	4.7	12.8	0.12	2.5
24	12.9	7.2	10.3	11.1	0.25	3.9	8.7	1.1	6.6	7.2	0.11	0.94
25	13.0	6.8	10.2	10.9	0.34	5.5	9.0	1.1	5.8	4.0	0.09	1.3
26	15.3	8.8	13.7	8.6	0.69	3.6	4.2	0.16	1.7	0.09	0.05	0.07
27	15.8	12.1	14.5	9.2	0.33	2.2	0.16	0.07	0.11	0.05	0.04	0.05
28	15.7	8.7	13.3	11.8	0.37	7.9	0.08	0.06	0.07	0.06	0.05	0.06
29	15.7	9.9	13.5	11.3	0.88	6.5	---	---	---	0.27	0.06	0.10
30	15.6	12.7	14.7	7.8	0.69	2.5	6.7	0.12	1.4	2.3	0.13	0.35
31	15.5	12.5	14.2	---	---	---	2.6	0.14	0.51	0.23	0.10	0.13
Month	15.8	3.8	10.6	18.8	0.07	6.7	---	---	---	12.8	0.04	2.6

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.3	0.09	0.19	13.2	1.2	9.6	13.1	2.6	8.9	12.8	8.5	10.7
2	1.6	0.09	0.31	11.5	1.2	5.4	10.9	2.6	6.6	11.7	8.4	9.8
3	1.6	0.10	0.25	8.3	0.81	3.1	7.6	2.5	5.1	11.4	7.7	9.6
4	3.4	0.11	0.37	11.6	0.60	3.9	7.2	2.5	4.7	12.1	7.7	10.4
5	4.3	0.13	0.67	11.0	0.46	4.4	7.5	2.4	4.3	14.3	8.3	11.6
6	0.24	0.05	0.07	11.4	0.41	6.9	7.2	1.8	3.8	13.4	8.8	11.0
7	0.06	0.04	0.05	11.9	0.67	7.8	7.8	1.5	3.4	13.3	8.6	11.1
8	---	---	---	10.6	0.65	7.1	7.8	1.9	3.4	12.4	6.7	10.4
9	0.06	0.05	0.05	10.4	0.55	5.3	7.5	1.4	3.5	13.1	4.9	10.4
10	0.07	0.06	0.06	8.3	0.48	1.9	9.7	3.2	6.9	14.0	4.3	11.6
11	0.08	0.06	0.07	4.0	0.40	1.2	9.6	2.6	6.9	13.2	4.1	10.8
12	0.91	0.07	0.15	6.5	0.38	1.9	9.2	2.4	6.1	12.4	4.7	10.3
13	4.2	0.10	1.1	7.5	0.44	2.4	9.0	2.4	5.6	12.2	7.8	10.6
14	2.6	0.15	0.50	8.4	0.47	2.5	8.9	2.5	6.4	12.4	9.5	10.8
15	1.7	0.10	0.24	13.6	0.51	6.6	10.4	5.9	8.4	12.2	8.4	10.3
16	0.27	0.09	0.11	15.1	2.5	12.2	10.1	3.8	7.9	11.8	8.8	10.3
17	12.5	0.13	0.97	15.3	5.5	11.8	10.1	3.8	6.9	12.0	8.3	10.2
18	13.9	0.16	6.1	12.2	3.2	8.2	11.2	4.4	8.9	12.4	7.4	10.7
19	14.0	0.26	7.3	12.2	3.7	7.8	11.5	6.4	9.6	14.3	4.3	11.7
20	12.5	0.24	4.8	13.5	3.6	8.1	11.7	5.5	9.3	15.0	8.1	13.4
21	6.6	0.30	2.1	9.8	2.7	5.1	10.3	5.4	8.0	14.9	10.2	12.6
22	3.2	0.20	1.1	5.9	2.2	4.1	11.6	6.7	9.2	14.1	9.0	11.5
23	3.0	0.15	0.67	6.7	1.7	3.8	14.1	8.0	11.6	13.4	9.1	11.4
24	4.1	0.18	1.1	10.7	1.6	7.1	14.2	7.8	12.0	14.3	9.5	12.2
25	12.0	0.15	4.6	10.6	2.5	6.6	12.4	8.2	9.8	15.2	7.4	11.5
26	14.1	0.22	7.9	8.5	2.0	5.8	10.6	7.5	9.4	16.8	9.7	13.6
27	13.7	0.30	8.5	9.2	2.1	5.9	11.8	7.1	9.9	18.3	12.4	15.8
28	12.8	0.47	8.1	8.4	4.1	6.3	15.8	9.3	12.7	17.6	12.2	14.4
29	---	---	---	8.2	4.2	6.3	15.0	9.2	12.5	16.6	13.2	14.8
30	---	---	---	7.8	2.7	4.7	13.7	8.4	11.4	15.9	12.8	14.1
31	---	---	---	12.1	2.5	6.3	---	---	---	15.4	12.0	13.6
Month	---	---	---	15.3	0.38	5.8	15.8	1.4	7.8	18.3	4.1	11.7

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.9	11.5	13.2	19.2	8.4	15.9	19.3	15.3	17.7	21.5	14.5	18.8
2	14.9	11.5	13.5	19.6	13.9	17.9	21.2	16.5	18.2	21.2	15.3	17.9
3	15.4	12.0	13.9	19.1	10.9	16.7	21.1	18.5	19.8	20.8	15.7	18.5
4	15.7	12.0	14.0	17.7	13.1	15.7	20.6	16.9	19.0	21.5	18.0	19.7
5	15.4	11.3	13.8	17.0	11.2	14.5	19.9	13.8	17.7	21.3	18.4	19.7
6	15.7	9.5	13.5	18.4	12.7	15.8	19.7	15.8	18.1	21.0	18.9	19.8
7	17.4	10.2	14.3	19.7	13.6	17.3	20.8	15.5	18.4	20.8	19.1	19.9
8	18.6	13.9	16.4	20.5	15.9	18.1	20.6	16.9	18.8	21.1	19.0	19.9
9	18.5	12.8	16.2	20.5	14.9	18.7	20.5	17.4	19.1	21.7	18.8	20.1
10	17.4	13.0	15.1	20.3	15.3	18.3	20.4	18.0	19.2	23.1	19.8	21.7
11	17.9	13.2	16.0	19.9	15.3	17.4	20.6	18.0	19.1	23.8	21.5	22.7
12	17.7	13.9	15.9	18.9	15.8	17.5	20.5	17.8	19.1	23.4	19.0	21.5
13	17.6	13.7	15.8	18.7	15.2	17.3	21.7	17.6	19.3	22.7	18.4	20.0
14	17.0	14.3	15.9	18.0	8.6	13.5	21.3	18.3	19.6	23.2	18.6	21.0
15	19.2	13.9	17.0	18.3	5.5	10.5	21.4	18.8	20.1	23.0	17.5	20.2
16	17.9	14.4	16.4	19.2	6.2	13.4	20.9	18.3	19.6	22.7	18.2	20.3
17	17.4	14.4	16.2	18.8	7.0	13.9	20.2	17.6	19.0	22.0	17.2	19.8
18	18.6	14.3	17.0	19.1	7.3	14.4	19.1	17.2	18.2	21.6	16.8	19.5
19	19.0	14.6	16.8	17.1	6.4	13.2	17.4	11.7	15.0	22.4	18.1	20.2
20	17.8	13.4	16.0	18.9	8.6	14.0	17.4	11.8	13.9	23.6	19.4	22.1
21	18.0	13.5	16.0	19.3	12.6	16.5	19.3	13.0	14.9	23.6	19.7	21.6
22	19.2	14.5	16.7	18.6	9.5	15.6	18.0	14.0	15.2	22.9	20.6	21.6
23	19.1	13.4	16.6	18.4	8.1	15.1	18.2	11.1	13.7	22.8	20.4	21.5
24	19.6	15.4	17.9	16.9	9.2	13.8	18.2	11.1	13.2	22.4	20.1	21.4
25	19.6	12.2	17.0	17.0	7.5	13.3	20.0	11.5	13.9	22.8	20.4	21.8
26	16.3	10.9	14.5	17.6	11.7	15.1	20.6	13.8	17.0	23.4	20.7	22.3
27	18.2	12.1	15.0	18.5	13.3	16.2	20.2	15.3	17.4	22.9	10.8	20.1
28	17.0	11.9	14.7	17.8	10.2	15.0	19.1	15.4	17.5	16.3	1.2	6.6
29	17.0	11.9	14.6	16.7	10.6	13.7	19.1	15.7	17.4	1.2	0.15	0.71
30	18.2	10.9	14.8	17.6	11.5	14.8	19.5	14.9	17.3	0.22	0.08	0.17
31	---	---	---	19.9	16.0	18.1	19.9	15.2	18.4	---	---	---
Month	19.6	9.5	15.5	20.5	5.5	15.5	21.7	11.1	17.6	23.8	0.08	18.7

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 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	22,100	8,140	18,400	24,200	19,200	21,500	13,500	1,120	7,100	5,820	290	942
2	20,300	7,410	14,800	23,800	18,500	20,900	12,300	1,880	7,850	13,400	210	1,400
3	18,900	7,030	13,500	24,800	18,900	22,200	9,090	670	3,910	13,600	230	2,270
4	16,700	7,690	11,900	26,000	19,500	23,400	770	210	333	13,600	370	6,170
5	19,300	7,810	14,800	26,300	20,500	23,100	270	180	226	13,400	490	7,240
6	20,900	9,360	16,700	28,300	18,000	22,400	220	160	193	12,800	560	6,980
7	20,300	8,170	15,700	30,300	18,100	25,600	260	160	172	13,000	660	8,020
8	19,500	8,440	15,700	28,800	18,800	25,100	460	160	216	12,300	610	5,540
9	19,900	11,400	16,000	27,900	21,300	25,600	5,240	230	2,430	13,400	650	9,500
10	17,800	9,000	14,100	28,400	16,000	25,900	420	260	303	13,600	1,080	7,760
11	18,200	8,920	14,600	27,500	4,760	16,600	350	230	259	12,600	1,920	9,270
12	19,900	11,700	16,800	5,470	320	1,980	1,930	250	481	12,800	1,170	7,230
13	19,300	11,300	16,400	470	190	259	3,870	290	1,080	16,300	1,580	11,400
14	19,900	11,500	16,100	13,700	170	1,180	3,800	310	747	16,000	1,230	10,100
15	19,800	12,100	16,100	13,700	180	1,980	2,410	310	627	13,700	1,150	7,510
16	21,200	13,700	17,500	9,220	230	1,140	6,140	330	1,130	13,800	1,570	8,410
17	23,200	14,800	19,400	12,000	240	1,570	7,410	530	3,190	12,600	1,130	4,550
18	21,800	16,300	18,900	15,600	400	4,970	7,950	870	3,660	11,800	990	2,090
19	23,300	15,400	19,900	17,000	1,090	4,690	6,070	2,410	4,240	15,400	780	5,340
20	23,600	17,300	20,900	4,260	240	662	13,900	900	3,240	12,800	710	4,220
21	21,800	15,200	18,100	10,000	260	1,040	15,600	690	9,310	12,800	830	5,870
22	22,400	13,500	17,400	18,700	320	3,740	13,900	1,410	8,510	14,000	650	3,820
23	22,000	14,800	19,000	15,400	460	4,670	14,100	1,560	8,450	21,400	280	4,420
24	21,500	12,500	17,500	18,800	550	6,890	15,000	2,170	11,600	12,600	250	1,780
25	21,600	11,900	17,300	18,500	730	9,620	15,500	2,230	10,300	7,230	210	2,390
26	25,100	15,100	22,700	14,800	1,410	6,490	7,550	370	3,250	210	120	161
27	25,900	20,300	23,900	15,800	720	3,970	370	160	245	130	110	121
28	25,800	14,900	22,000	19,800	790	13,500	180	140	165	150	120	134
29	25,800	16,900	22,400	19,100	1,770	11,200	---	---	---	590	140	240
30	25,600	21,200	24,200	13,500	1,420	4,580	11,800	280	2,530	4,300	290	730
31	25,500	20,900	23,400	---	---	---	4,940	320	1,040	500	230	301
Month	25,900	7,030	17,900	30,300	170	11,200	---	---	---	21,400	110	4,710

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 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2,470	200	426	22,000	2,360	16,400	21,800	4,930	15,200	21,400	14,700	18,000
2	3,030	210	656	19,300	2,430	9,570	18,500	4,890	11,600	19,600	14,500	16,700
3	3,140	230	547	14,300	1,650	5,730	13,200	4,750	9,160	19,200	13,300	16,400
4	6,200	250	765	19,500	1,240	6,890	12,500	4,750	8,400	20,300	13,300	17,700
5	7,740	300	1,340	18,600	980	7,630	13,000	4,620	7,780	23,700	14,400	19,400
6	530	130	164	19,200	870	11,900	12,600	3,480	6,880	22,200	15,200	18,600
7	140	100	114	20,000	1,370	13,500	13,500	2,910	6,290	22,100	14,800	18,700
8	120	90	105	18,000	1,330	12,300	13,600	3,640	6,270	20,700	11,800	17,700
9	140	120	125	17,600	1,140	9,300	13,100	2,670	6,450	21,800	8,780	17,600
10	170	140	153	14,400	1,010	3,500	16,600	5,990	12,100	23,200	7,780	19,400
11	190	150	165	7,290	850	2,430	16,400	4,830	12,100	21,900	7,490	18,200
12	1,830	160	344	11,400	810	3,640	15,700	4,490	10,700	20,700	8,430	17,500
13	7,600	230	2,160	13,000	930	4,480	15,400	4,600	9,990	20,400	13,500	18,000
14	4,920	330	1,030	14,500	1,000	4,480	15,300	4,710	11,200	20,800	16,200	18,200
15	3,290	240	523	22,600	1,070	11,400	17,600	10,400	14,500	20,400	14,500	17,500
16	590	220	263	24,900	4,790	20,400	17,200	6,980	13,600	19,900	15,200	17,500
17	20,900	300	1,760	25,100	9,750	19,800	17,200	6,880	12,000	20,200	14,300	17,300
18	23,000	360	10,300	20,400	5,850	14,100	18,900	8,010	15,300	20,700	12,900	18,100
19	23,200	560	12,500	20,500	6,800	13,500	19,400	11,200	16,400	23,600	7,750	19,600
20	20,900	520	8,370	22,400	6,650	14,000	19,600	9,790	15,900	24,700	14,000	22,200
21	11,600	650	3,830	16,700	5,090	9,060	17,500	9,660	13,900	24,600	17,300	21,100
22	5,940	440	2,220	10,400	4,200	7,490	19,500	11,800	15,700	23,400	15,400	19,400
23	5,590	350	1,340	11,700	3,220	6,860	23,400	13,900	19,600	22,300	15,600	19,200
24	7,400	400	2,150	18,100	3,030	12,300	23,500	13,600	20,100	23,700	16,200	20,400
25	20,200	330	7,980	18,000	4,680	11,600	20,700	14,200	16,800	25,000	12,900	19,300
26	23,400	490	13,300	14,700	3,790	10,200	17,900	13,000	16,100	27,400	16,500	22,500
27	22,800	660	14,300	15,800	4,050	10,300	19,800	12,400	16,800	29,600	20,700	25,800
28	21,400	1,000	13,800	14,500	7,510	11,200	25,900	16,000	21,200	28,500	20,500	23,800
29	---	---	---	14,200	7,650	11,100	24,700	15,700	20,900	27,100	22,000	24,400
30	---	---	---	13,600	5,110	8,410	22,800	14,500	19,200	26,100	21,300	23,400
31	---	---	---	20,300	4,740	11,000	---	---	---	25,300	20,200	22,500
Month	23,400	90	3,600	25,100	810	10,100	25,900	2,670	13,400	29,600	7,490	19,600

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 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	24,600	19,300	22,000	30,900	14,500	26,000	31,000	25,200	28,700	34,300	23,900	30,300
2	24,500	19,300	22,400	31,500	23,100	29,000	33,800	26,900	29,500	33,800	25,200	29,000
3	25,300	20,100	23,000	30,800	18,400	27,200	33,700	29,900	31,800	33,200	25,700	29,900
4	25,800	20,200	23,200	28,700	21,800	25,700	33,000	27,500	30,600	34,200	29,100	31,700
5	25,300	19,000	22,800	27,600	18,900	24,000	32,000	22,900	28,700	34,000	29,800	31,600
6	25,700	16,200	22,400	29,800	21,200	25,800	31,700	25,900	29,300	33,500	30,400	31,800
7	28,200	17,400	23,600	31,600	22,600	28,100	33,200	25,500	29,800	33,200	30,700	31,900
8	30,000	23,000	26,800	32,800	26,000	29,300	32,900	27,500	30,400	33,700	30,600	31,900
9	29,900	21,300	26,500	32,800	24,500	30,200	32,800	28,200	30,800	34,500	30,300	32,200
10	28,300	21,700	24,800	32,500	25,100	29,500	32,700	29,200	30,800	36,500	31,800	34,500
11	29,000	22,000	26,200	32,000	25,100	28,300	33,000	29,100	30,800	37,500	34,200	35,900
12	28,700	23,000	26,000	30,500	25,900	28,400	32,800	28,900	30,800	36,900	30,600	34,200
13	28,500	22,800	25,900	30,200	25,000	28,100	34,600	28,600	31,100	36,000	29,800	32,100
14	27,700	23,600	26,100	29,100	14,800	22,400	34,000	29,600	31,600	36,700	30,100	33,600
15	30,900	23,000	27,600	29,600	9,800	17,700	34,100	30,300	32,200	36,400	28,400	32,400
16	29,000	23,800	26,800	30,900	10,900	22,200	33,400	29,600	31,500	35,900	29,400	32,500
17	28,300	23,800	26,600	30,300	12,200	23,000	32,400	28,500	30,600	34,900	28,000	31,800
18	30,100	23,600	27,600	30,700	12,800	23,800	30,800	28,000	29,400	34,400	27,400	31,400
19	30,600	24,100	27,400	27,800	11,200	21,900	28,200	19,600	24,700	35,500	29,300	32,400
20	28,900	22,200	26,300	30,500	14,800	23,200	28,300	19,900	23,000	37,200	31,200	35,100
21	29,100	22,400	26,200	31,100	21,000	27,000	31,000	21,700	24,600	37,200	31,700	34,500
22	30,900	23,900	27,300	30,100	16,300	25,500	29,100	23,200	24,900	36,200	32,900	34,400
23	30,700	22,200	27,100	29,700	14,000	24,900	29,400	18,800	22,700	36,100	32,700	34,300
24	31,500	25,300	29,000	27,500	15,800	22,900	29,500	18,700	22,000	35,600	32,200	34,100
25	31,500	20,500	27,600	27,700	13,000	22,100	32,100	19,300	22,900	36,100	32,700	34,700
26	26,700	18,500	23,900	28,600	19,700	24,800	33,000	22,900	27,700	36,900	33,100	35,300
27	29,400	20,300	24,600	29,900	22,100	26,500	32,400	25,100	28,300	36,300	18,300	32,100
28	27,600	20,000	24,300	28,900	17,300	24,700	30,700	25,300	28,400	26,700	2,280	11,400
29	27,700	20,000	24,000	27,300	18,000	22,700	30,800	25,700	28,300	2,430	350	1,450
30	29,400	18,500	24,300	28,600	19,300	24,400	31,400	24,600	28,100	490	190	372
31	---	---	---	32,000	26,200	29,200	31,900	25,000	29,700	---	---	---
Month	31,500	16,200	25,400	32,800	9,800	25,400	34,600	18,700	28,500	37,500	190	30,000

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	6.9	6.6	6.7	6.9	6.7	6.8	6.7	6.4	6.6	7.0	6.7	6.9
2	7.1	6.7	6.8	7.0	6.7	6.8	6.9	6.5	6.7	7.1	6.7	6.9
3	7.1	6.7	6.8	7.1	6.7	7.0	6.9	6.4	6.7	7.2	6.7	6.9
4	6.9	6.7	6.8	7.2	6.7	7.0	6.5	6.2	6.3	7.2	6.8	7.0
5	6.9	6.7	6.7	7.2	6.7	7.0	6.6	6.3	6.4	7.2	6.9	7.0
6	6.9	6.7	6.8	7.0	6.6	6.8	6.5	6.4	6.4	7.3	6.9	7.0
7	7.0	6.8	6.8	7.0	6.6	6.8	6.4	6.3	6.4	7.3	6.9	7.1
8	7.0	6.7	6.8	6.9	6.6	6.8	6.6	6.4	6.4	7.4	7.0	7.1
9	7.3	6.7	6.8	6.8	6.6	6.7	7.0	6.5	6.8	7.4	7.0	7.1
10	7.0	6.7	6.8	6.8	6.6	6.7	6.9	6.7	6.8	7.5	7.0	7.2
11	7.1	6.7	6.9	6.8	6.6	6.7	6.7	6.6	6.7	7.3	7.1	7.2
12	7.0	6.8	6.8	6.7	6.1	6.5	6.8	6.6	6.7	7.4	7.1	7.2
13	7.1	6.8	6.9	6.1	5.9	5.9	6.9	6.6	6.8	7.3	7.0	7.1
14	7.2	6.8	6.9	6.5	5.8	5.9	6.9	6.8	6.9	7.1	6.9	7.0
15	7.1	6.9	7.0	6.5	5.8	6.0	7.0	6.8	6.9	7.3	6.9	7.0
16	7.0	6.8	6.9	6.2	5.9	5.9	7.1	6.8	7.0	7.2	6.9	7.0
17	7.1	6.8	6.9	6.3	5.9	6.1	7.1	6.9	7.0	7.3	7.0	7.2
18	7.0	6.8	6.9	6.5	6.1	6.2	7.2	7.0	7.1	7.2	6.9	7.1
19	7.1	6.8	7.0	6.6	6.3	6.4	7.3	7.1	7.2	7.2	6.8	7.0
20	7.2	6.9	7.0	6.3	6.0	6.2	7.3	7.0	7.1	7.1	6.7	6.9
21	7.1	6.7	6.9	6.3	6.0	6.0	7.2	7.0	7.1	7.1	6.8	7.0
22	7.0	6.6	6.8	6.5	6.0	6.2	7.2	6.9	7.1	7.1	6.8	7.0
23	6.8	6.6	6.7	6.4	6.1	6.3	7.2	6.9	7.0	7.1	6.7	6.8
24	6.8	6.6	6.7	6.5	6.1	6.3	7.2	7.0	7.1	6.9	6.6	6.7
25	6.7	6.6	6.7	6.5	6.2	6.4	7.4	7.0	7.2	7.2	6.6	6.9
26	6.8	6.7	6.8	6.5	6.3	6.4	7.3	7.0	7.2	6.6	6.3	6.4
27	6.8	6.8	6.8	6.6	6.3	6.4	7.0	6.6	6.8	6.3	6.2	6.2
28	6.9	6.7	6.8	6.6	6.3	6.4	6.6	6.5	6.6	6.3	6.2	6.2
29	6.9	6.7	6.8	6.6	6.4	6.5	---	---	---	6.6	6.3	6.5
30	6.9	6.8	6.8	6.6	6.4	6.5	6.8	6.5	6.7	6.9	6.6	6.7
31	7.0	6.8	6.9	---	---	---	7.0	6.7	6.8	6.9	6.7	6.8
Max	7.3	6.9	7.0	7.2	6.7	7.0	---	---	---	7.5	7.1	7.2
Min	6.7	6.6	6.7	6.1	5.8	5.9	---	---	---	6.3	6.2	6.2

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	6.9	6.6	6.7	7.4	7.0	7.2	7.2	6.7	7.0	8.1	7.2	7.4
2	6.8	6.6	6.7	7.6	7.1	7.3	7.6	6.8	7.0	8.1	7.3	7.6
3	7.0	6.7	6.8	7.5	7.1	7.4	7.5	7.0	7.1	8.1	7.2	7.6
4	7.0	6.7	6.8	7.3	6.9	7.2	7.4	7.0	7.1	8.2	7.0	7.3
5	7.3	6.6	6.8	7.2	6.9	7.1	7.9	6.8	7.1	8.3	7.0	7.1
6	7.3	6.5	6.7	7.3	6.9	7.0	8.1	6.8	7.2	8.2	7.1	7.6
7	6.5	6.3	6.3	7.1	6.9	7.0	8.1	6.8	7.3	8.3	7.0	7.8
8	6.3	6.2	6.2	7.2	6.8	7.1	8.0	6.8	7.5	8.1	7.1	7.6
9	6.4	6.3	6.4	7.2	7.0	7.1	7.9	7.0	7.4	7.9	7.2	7.5
10	6.8	6.4	6.6	7.2	6.9	7.2	7.7	6.9	7.0	7.8	7.2	7.4
11	7.0	6.7	6.7	7.3	7.0	7.2	8.1	6.9	7.0	7.9	7.2	7.6
12	7.2	6.9	7.0	7.3	6.9	7.1	8.4	6.9	7.2	8.0	7.3	7.6
13	7.4	7.1	7.2	7.2	7.0	7.2	8.8	7.1	7.6	8.2	7.3	7.6
14	7.4	7.2	7.3	7.6	7.0	7.2	8.4	7.0	7.4	8.2	7.4	7.7
15	7.4	7.1	7.2	7.6	6.9	7.1	7.7	7.1	7.3	8.3	7.5	7.8
16	7.3	7.1	7.2	7.0	6.7	6.8	8.1	7.2	7.4	8.2	7.6	7.9
17	7.4	7.1	7.3	7.0	6.7	6.8	8.1	7.1	7.3	8.2	7.5	7.8
18	7.6	7.1	7.3	7.3	6.9	7.0	8.0	7.0	7.3	8.0	7.5	7.6
19	7.5	7.1	7.2	7.2	6.8	7.0	7.9	7.2	7.5	7.9	7.5	7.6
20	7.4	7.1	7.2	7.2	6.7	6.9	8.7	7.3	7.7	8.1	7.5	7.8
21	7.4	7.2	7.3	7.4	6.9	7.1	8.6	7.5	8.0	8.5	7.6	7.9
22	7.5	7.2	7.3	7.7	7.2	7.4	8.2	7.4	7.6	8.5	7.6	8.1
23	7.5	7.2	7.3	7.8	7.1	7.4	7.8	7.0	7.3	8.2	7.6	7.8
24	7.4	7.2	7.3	7.6	7.2	7.3	8.5	7.0	7.2	8.2	7.6	7.8
25	7.3	6.9	7.2	8.5	7.1	7.5	8.1	7.1	7.9	7.9	7.7	7.8
26	7.4	6.8	7.0	8.3	7.5	7.9	8.3	7.4	7.8	8.0	7.7	7.8
27	7.4	7.0	7.1	8.5	7.5	8.0	8.1	7.3	7.5	8.2	7.6	7.8
28	7.4	7.0	7.2	8.6	7.7	8.2	7.7	7.0	7.3	8.2	7.8	8.0
29	---	---	---	8.2	7.6	8.0	8.1	7.1	7.3	8.1	7.7	7.9
30	---	---	---	7.9	7.1	7.3	8.1	7.1	7.4	7.8	7.5	7.6
31	---	---	---	7.4	6.9	7.2	---	---	---	7.7	7.4	7.5
Max	7.6	7.2	7.3	8.6	7.7	8.2	8.8	7.5	8.0	8.5	7.8	8.1
Min	6.3	6.2	6.2	7.0	6.7	6.8	7.2	6.7	7.0	7.7	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 2009 TO SEPTEMBER 2010

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

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	25.1	23.0	24.4	21.6	20.4	20.8	14.0	11.4	12.9	8.2	7.2	7.8
2	24.7	22.5	23.9	20.8	18.5	19.3	14.0	11.4	13.0	8.9	6.4	7.4
3	24.9	22.4	23.9	19.0	17.5	18.4	15.7	14.0	14.9	7.4	4.6	5.6
4	24.7	22.7	23.8	18.9	17.4	18.4	15.2	14.3	14.8	6.8	2.8	5.1
5	24.5	22.0	23.5	18.8	17.5	18.3	14.4	12.7	13.9	6.7	2.5	4.9
6	24.1	21.1	22.9	18.6	15.8	17.3	12.7	11.0	12.0	6.2	2.3	4.6
7	23.4	21.4	22.8	18.4	15.7	17.5	11.0	10.1	10.6	6.2	3.1	4.9
8	23.4	20.6	22.6	18.0	16.2	17.4	10.4	9.7	10.1	5.9	3.5	4.9
9	24.0	21.8	23.0	18.0	17.1	17.7	14.1	10.3	12.6	5.8	3.1	4.9
10	25.1	23.4	24.0	18.3	17.4	18.0	14.2	13.1	13.6	5.1	2.6	4.2
11	24.8	23.0	24.0	18.5	16.5	17.5	13.6	10.9	12.4	4.8	3.0	4.3
12	23.9	21.8	23.1	16.5	15.2	16.0	11.3	9.8	10.4	4.9	3.8	4.5
13	22.9	20.8	22.1	15.2	14.5	14.8	11.5	9.5	10.6	4.8	3.6	4.6
14	22.4	20.2	21.5	15.3	14.3	14.6	11.6	10.4	11.0	5.0	3.2	4.5
15	21.2	19.0	19.8	15.7	14.5	15.1	12.2	10.8	11.5	6.3	3.8	4.9
16	19.8	18.8	19.3	16.1	14.6	15.2	12.3	11.3	11.8	6.5	4.4	5.4
17	19.7	17.6	18.4	15.7	14.5	15.1	11.9	10.1	11.1	10.4	5.5	7.8
18	18.3	15.8	16.8	15.8	14.6	15.2	11.7	9.6	10.3	10.8	7.3	9.4
19	16.3	14.4	15.6	18.0	15.8	16.9	9.9	8.8	9.5	11.7	6.7	9.6
20	16.5	14.4	15.7	18.1	17.0	17.5	9.8	7.4	8.3	12.2	9.1	10.7
21	16.7	14.8	15.9	17.6	16.1	16.9	10.1	6.4	8.8	11.2	9.2	10
22	17.1	15.4	16.4	16.5	14.8	15.6	9.6	6.7	8.5	9.9	8.9	9.5
23	19.0	16.8	17.4	16.0	14.3	15.1	9.7	6.2	8.3	9.5	8.1	8.8
24	20.6	17.8	19.2	16.2	14.5	15.3	9.7	7.0	9.0	10.2	8.2	9.1
25	20.5	19.8	20.1	16.1	14.6	15.4	10.7	7.1	9.2	12.9	9.9	11.7
26	20.1	19.0	19.8	15.9	14.4	15.2	10.9	10.2	10.6	12.8	11.9	12.4
27	19.6	18.9	19.4	15.9	12.6	14.1	11.5	10.6	10.9	11.9	9.8	10.9
28	20.2	19.2	19.5	15.9	12.1	14.5	10.6	9.2	10.1	10.3	8.6	9.6
29	20.3	19.7	20.0	15.5	12.4	13.9	---	---	---	9.6	8.2	8.9
30	20.2	19.8	19.9	14.2	12.1	13.0	8.7	6.8	7.5	8.7	6.3	7.4
31	21.0	19.6	20.1	---	---	---	7.8	6.9	7.3	6.3	5.2	5.7
Month	25.1	14.4	20.6	21.6	12.1	16.3	---	---	---	12.9	2.3	7.2

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.0	3.7	4.7	10.0	7.3	8.9	18.6	16.5	17.1	25.0	22.0	23.1
2	5.3	3.9	4.5	9.7	7.7	8.8	20.3	17.5	18.6	26.9	23.5	24.9
3	7.1	4.7	5.7	8.8	6.7	7.6	20.9	19.1	19.8	27.4	24.8	25.8
4	7.3	5.8	6.5	8.6	6.7	7.8	21.7	19.7	20.6	26.6	25.2	25.7
5	9.1	6.5	6.9	8.8	6.2	7.8	23.5	20.2	21.5	28.2	25.2	26.0
6	11.9	8.4	9.6	9.4	7.3	8.3	24.4	21.0	22.4	28.2	26.1	26.9
7	8.4	7.4	7.8	10.5	8.4	9.0	24.4	21.6	22.8	28.7	26.4	27.3
8	7.7	6.6	7.0	10.9	8.9	9.6	23.8	22.4	23.2	28.4	26.6	27.4
9	6.7	6.2	6.4	12.8	9.4	10.7	23.3	21.9	22.4	27.8	24.6	26.2
10	6.9	5.4	6.3	13.3	10.7	12.1	22.3	21.0	21.8	25.7	24.1	25.1
11	7.8	4.9	6.2	13.9	12.2	12.9	22.7	21.3	21.9	24.9	22.4	23.9
12	7.1	5.4	5.9	14.2	12.3	13.4	23.6	21.3	22.3	25.1	22.4	23.6
13	6.0	4.4	5.1	16.0	12.6	14.2	24.1	21.8	22.7	25.4	23.7	24.3
14	6.3	4.1	5.2	15.3	13.3	14.3	23.1	21.1	22.2	27.5	23.8	25.1
15	6.6	4.6	5.7	15.1	13.2	13.7	22.2	20.9	21.7	28.0	25.0	26.2
16	6.8	4.8	5.8	13.7	12.6	13.1	22.6	21.0	21.6	28.1	26.1	26.9
17	7.8	5.3	6.4	13.3	12.5	12.7	22.7	20.2	21.5	27.4	26.1	26.7
18	8.1	5.4	6.6	13.0	12.4	12.8	22.0	20.5	21.4	26.3	25.4	26.0
19	8.8	5.8	7.0	15.0	12.0	13.0	21.8	21.0	21.4	25.9	23.8	25.2
20	9.3	6.3	7.6	15.7	12.8	13.9	22.1	20.9	21.4	26.1	24.5	25.2
21	9.7	7.4	8.5	15.9	14.5	15.1	21.8	20.2	21.1	27.0	25.2	25.8
22	10.2	8.8	9.4	16.3	15.4	15.9	21.0	20.2	20.7	27.6	25.6	26.4
23	10.6	9.1	9.8	15.8	13.8	15.0	21.0	20.3	20.6	26.9	26.2	26.6
24	10.6	9.8	10.1	15.7	14.5	15.3	21.7	20.6	20.9	27.2	26.0	26.6
25	10.2	8.1	9.3	17.9	15.5	16.5	22.0	20.9	21.5	26.8	25.2	26.2
26	8.9	6.8	8.2	18.1	16.6	17.3	23.4	21.4	22.2	26.1	24.2	25.2
27	9.3	7.1	8.3	17.4	15.4	16.6	22.5	20.6	22.0	27.5	24.1	25.3
28	9.2	7.4	8.6	17.8	15.1	16.5	21.9	20.6	21.4	28.0	25.5	26.6
29	---	---	---	17.6	16.8	17.0	22.4	20.5	21.4	28.3	26.2	27.2
30	---	---	---	17.8	15.9	17.0	23.3	20.6	21.8	28.8	26.4	27.4
31	---	---	---	17.7	15.4	16.7	---	---	---	29.2	27.1	28.0
Month	11.9	3.7	7.1	18.1	6.2	13.0	24.4	16.5	21.4	29.2	22.0	25.9

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	28.3	27.4	28.0	31.7	29.1	30.9	30.9	29.6	30.5	31.8	29.9	30.8
2	27.9	27.3	27.7	31.0	29.3	30.5	30.4	29.4	30.1	31.3	28.3	29.8
3	28.1	27.1	27.6	30.6	28.4	30.1	30.6	29.8	30.2	29.5	27.9	28.6
4	29.0	27.4	27.9	30.6	29.1	29.9	31.4	30.1	30.5	29.6	27.7	28.5
5	29.9	27.9	28.6	30.8	29.5	30.0	32.1	30.4	31.1	29.5	27.8	28.6
6	30.6	28.6	29.5	31.6	29.8	30.4	32.1	31.1	31.4	29.6	27.5	28.5
7	30.3	29.3	29.7	32.7	30.3	30.9	32.2	31.0	31.5	29.9	27.3	28.4
8	29.9	29.0	29.5	31.9	30.8	31.3	31.9	30.7	31.2	30.2	27.8	29.0
9	29.6	28.6	29.1	32.1	30.8	31.3	32.6	30.3	31.3	30.1	28.0	29.0
10	29.6	27.8	28.5	31.9	30.6	31.2	33.0	30.7	31.6	29.1	27.2	28.4
11	30.5	28.3	29.1	32.7	29.7	31.0	32.9	30.7	31.9	28.6	27.1	27.7
12	31.6	29.0	30.0	32.4	30.4	31.4	32.3	30.8	31.7	27.8	26.6	27.2
13	31.2	29.1	30.1	31.6	30.1	31.2	32.5	30.8	31.6	27.5	25.5	26.8
14	31.2	29.7	30.3	31.1	28.8	29.8	31.7	30.2	31.1	27.6	25.7	26.8
15	31.9	30.0	30.6	29.8	28.1	29.2	31.7	29.6	30.7	28.2	26.3	27.3
16	32.3	30.5	31.2	30.7	28.4	29.7	32.3	29.5	30.9	28.7	26.6	27.7
17	32.4	30.5	31.2	31.1	29.3	30.2	33.0	30.2	31.4	28.6	26.9	27.8
18	32.3	31.0	31.6	30.9	29.6	30.4	33.0	30.6	31.6	29.2	27.6	28.3
19	31.4	30.6	31.0	31.3	29.0	30.3	31.9	30.0	30.9	28.6	26.6	27.9
20	32.2	30.3	31.0	31.3	30.2	30.7	30.8	29.6	30.2	28.7	27.2	27.9
21	33.0	31.0	31.6	32.1	30.4	30.9	31.4	28.4	30.0	28.7	26.5	27.6
22	32.5	31.3	31.9	32.1	30.9	31.4	31.9	29.2	30.5	28.2	26.2	27.3
23	33.2	31.7	32.3	33.0	31.4	32.2	31.5	29.1	30.2	28.7	26.4	27.5
24	32.9	31.7	32.4	33.0	32.2	32.6	30.9	28.6	29.5	29.3	27.1	28.0
25	33.0	31.5	32.2	33.7	32.3	32.8	30.7	27.1	29.0	28.7	26.7	28.0
26	32.5	31.3	31.9	33.4	32.3	32.7	30.9	28.4	29.6	28.4	27.3	28.0
27	33.0	31.4	32.0	32.3	31.2	31.9	31.6	29.2	30.4	28.0	24.9	27.0
28	32.9	31.2	32.0	32.3	30.8	31.5	31.2	29.4	30.4	26.3	23.0	24.0
29	32.6	31.1	31.9	31.7	31.1	31.5	30.8	28.7	30.1	23.0	21.6	22.2
30	32.1	30.8	31.7	31.8	30.5	31.3	31.0	28.9	29.9	22.8	21.6	22.0
31	---	---	---	31.2	30.6	31.0	31.1	29.3	30.3	---	---	---
Month	33.2	27.1	30.4	33.7	28.1	31.0	33.0	27.1	30.7	31.8	21.6	27.6

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	2.4	0.0	0.6	6.7	4.4	5.8	7.9	3.7	6.1	10.2	8.4	9.7
2	5.6	0.2	2.6	6.2	4.5	5.6	8.6	4.8	7.0	10.6	7.4	9.9
3	6.0	1.1	3.0	6.8	4.8	6.0	8.5	6.3	7.3	11.3	8.3	10.2
4	5.0	1.4	3.2	7.4	5.2	6.5	6.4	4.9	5.4	11.2	8.6	10.0
5	4.3	0.1	1.5	7.7	5.5	6.7	7.6	5.5	6.5	11.6	8.7	10.0
6	3.7	0.0	1.2	7.5	4.6	6.0	7.4	6.6	6.9	11.8	8.5	10.2
7	5.6	0.1	2.0	6.7	3.0	4.8	7.4	7.0	7.2	11.8	8.5	10
8	5.6	0.1	2.3	6.4	3.2	4.5	8.0	7.2	7.6	12.0	8.8	10.5
9	8.2	0.2	3.3	5.3	2.9	3.8	9.1	7.7	8.7	12.0	8.8	10
10	7.0	1.7	4.0	6.0	2.8	3.8	8.6	6.4	7.5	12.1	9.2	10.8
11	7.6	1.6	3.7	7.1	2.4	4.5	7.4	6.2	6.9	11.9	9.9	10.7
12	5.1	1.2	2.8	7.5	5.5	6.4	7.6	6.9	7.2	11.6	9.6	10.7
13	6.3	1.6	3.6	6.0	5.5	5.7	8.7	7.6	8.1	11.2	9.3	9.8
14	7.7	3.0	4.6	6.4	5.2	5.5	8.8	8.2	8.6	11.4	9.0	9.8
15	6.4	3.4	5.0	6.6	4.7	5.2	8.8	8.2	8.5	11.1	9.1	10.2
16	6.0	3.7	4.9	5.8	4.1	4.5	8.9	8.2	8.6	10.9	8.9	9.8
17	7.0	4.0	5.5	5.7	4.0	4.4	8.8	8.1	8.5	10.9	9.2	10.3
18	7.3	4.9	6.3	5.6	4.6	5.1	9.7	8.1	8.7	10.5	8.3	9.7
19	8.4	5.6	7.1	6.6	5.0	5.9	10.1	9.6	9.8	9.3	8.1	8.7
20	8.8	6.9	8.0	5.5	4.1	4.7	9.8	7.8	9.1	9.0	7.6	8.1
21	8.7	6.0	7.6	4.9	3.5	4.2	9.3	7.8	8.6	9.1	7.6	8.5
22	7.5	5.5	6.6	5.1	2.0	4.2	9.0	8.0	8.5	9.4	8.1	8.9
23	7.7	4.1	5.5	5.8	3.1	4.8	9.2	7.6	8.3	9.2	7.5	8.7
24	8.8	3.3	6.2	5.7	2.4	4.5	9.2	7.3	7.9	9.2	8.0	8.8
25	6.6	3.1	5.0	5.6	2.3	4.1	10.6	7.3	9.2	10.1	8.0	9.2
26	4.9	2.4	3.8	5.2	3.4	4.7	9.7	8.1	9.0	8.0	7.1	7.4
27	4.4	1.8	2.8	7.0	2.3	5.5	8.1	7.5	7.7	8.0	7.1	7.6
28	5.7	1.7	3.3	6.9	1.1	3.1	8.6	7.8	8.2	8.6	8.0	8.3
29	4.4	2.2	3.3	6.1	1.5	3.8	---	---	---	9.4	8.5	8.9
30	6.0	2.5	4.2	7.7	2.8	5.9	8.9	7.2	8.4	10.3	9.4	9.9
31	7.6	3.2	5.7	---	---	---	9.5	8.5	9.2	10.9	10.3	10.6
Month	8.8	0.0	4.2	7.7	1.1	5.0	---	---	---	12.1	7.1	9.5

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.0	10.4	10.8	10.0	5.5	7.5	---	---	---	---	---	---
2	11.4	10.7	11.1	10.6	7.1	9.3	11.0	2.8	6.5	---	---	---
3	11.6	10.8	11.2	10.7	6.9	10	10.9	5.4	7.6	---	---	---
4	10.9	10.3	10.5	10.3	3.7	8.6	10.0	5.4	7.4	---	---	---
5	11.0	9.4	10.5	10.3	3.9	8.0	11.5	2.8	6.6	---	---	---
6	10.8	9.2	9.7	10.4	4.0	6.5	12.0	1.4	6.6	---	---	---
7	9.4	9.0	9.3	9.8	3.3	5.7	11.1	0.6	6.7	10.4	1.6	5.7
8	9.8	9.4	9.5	9.8	3.9	6.7	10.3	0.7	7.3	8.2	2.0	5.5
9	10.2	9.8	9.9	9.7	4.7	7.5	8.8	1.2	5.5	7.8	2.6	5.1
10	11.2	10.0	10.7	9.7	4.7	8.8	8.0	1.0	2.3	8.6	1.7	4.8
11	11.0	10.6	10.8	9.4	6.2	8.7	12.8	0.3	3.6	---	---	---
12	10.6	10.2	10.5	9.2	6.3	8.3	14.2	0.4	4.3	---	---	---
13	11.4	10.5	10.9	8.7	5.6	8.0	14.1	0.2	4.7	---	---	---
14	11.2	10.7	11.0	8.4	6.7	7.8	11.2	0.2	3.4	10.6	3.7	6.5
15	11.4	10.7	11.0	8.0	2.5	6.2	7.1	1.0	3.6	9.3	3.9	6.7
16	11.6	11.3	11.5	7.0	0.3	2.2	10.2	2.2	4.6	8.4	3.4	6.0
17	11.4	7.8	10.8	6.5	0.1	2.3	9.1	0.9	4.4	8.2	3.1	5.4
18	11.3	6.9	9.1	8.0	4.0	5.9	9.8	1.4	4.5	7.5	2.7	4.6
19	10.8	6.7	8.6	7.9	1.2	5.5	9.5	3.8	6.3	7.6	2.7	4.9
20	10.6	7.0	9.3	9.5	0.6	4.8	16.6	4.1	8.4	9.1	3.1	5.6
21	10.4	8.6	9.8	10.6	4.3	8.2	13.4	4.6	8.1	---	---	---
22	10.3	9.6	10.1	11.3	8.2	9.8	9.7	2.5	5.6	---	---	---
23	10.0	9.2	9.7	11.5	6.7	9.4	7.5	2.5	4.1	---	---	---
24	9.4	8.6	9.1	10.6	5.6	7.5	12.8	2.0	4.3	---	---	---
25	9.4	3.5	7.3	14.3	5.3	9.7	9.4	2.8	7.2	---	---	---
26	10.8	3.5	6.2	13.8	7.4	10.3	---	---	---	---	---	---
27	10.2	4.0	6.6	14.0	6.2	10.0	---	---	---	10.2	3.6	5.4
28	9.8	5.0	7.9	14.2	7.4	11.3	---	---	---	9.4	4.7	7.1
29	---	---	---	10.7	9.0	10.1	---	---	---	8.7	4.1	6.2
30	---	---	---	9.6	7.7	8.9	---	---	---	7.5	3.5	5.3
31	---	---	---	---	---	---	---	---	---	8.8	2.5	5.4
Month	11.6	3.5	9.8	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.3	2.6	4.7	4.2	0.0	0.8	2.1	0.0	0.4	7.2	0.1	3.0
2	6.2	0.8	2.9	5.7	0.0	1.5	0.7	0.0	0.1	5.9	0.7	3.8
3	4.4	0.6	2.1	7.0	0.8	3.2	2.5	0.0	0.5	7.5	1.4	4.6
4	6.0	0.4	2.2	8.2	0.8	3.7	8.5	0.0	0.8	7.5	4.1	5.5
5	5.5	0.5	2.3	8.4	0.5	3.4	6.7	0.0	2.6	7.3	2.5	4.9
6	6.2	0.1	2.6	6.3	0.0	2.1	6.2	0.3	2.1	7.2	2.2	4.5
7	6.8	1.0	3.7	6.7	0.0	1.6	7.1	0.1	2.8	7.6	2.4	4.5
8	5.7	2.1	3.5	5.4	0.2	2.0	6.9	1.5	3.6	8.0	2.0	5.2
9	7.6	2.2	4.4	5.5	0.5	2.5	7.9	2.3	4.8	8.6	1.4	4.9
10	8.3	2.0	4.2	5.2	0.1	2.0	10.8	1.7	4.9	7.0	2.2	4.8
11	6.8	1.2	3.7	7.5	0.3	3.0	8.5	3.0	5.8	6.1	0.9	4.1
12	---	---	---	7.1	0.2	3.4	9.7	2.0	5.0	6.3	0.1	3.0
13	---	---	---	7.2	0.7	3.6	8.7	2.0	5.4	6.0	0.1	3.8
14	---	---	---	6.2	0.3	3.2	7.9	4.6	6.2	6.0	3.2	4.7
15	---	---	---	5.6	0.1	1.4	6.9	4.1	5.9	7.5	2.0	4.5
16	---	---	---	8.3	0.2	2.3	9.9	3.7	6.1	7.2	1.8	4.1
17	---	---	---	9.3	0.0	2.4	8.0	4.0	6.0	8.4	0.9	4.0
18	---	---	---	7.6	0.0	1.9	6.9	1.7	4.4	8.6	0.9	3.8
19	---	---	---	7.9	0.0	2.2	7.0	0.4	3.2	8.9	0.6	3.3
20	---	---	---	5.6	0.0	1.4	8.6	0.4	4.0	7.5	2.0	3.8
21	---	---	---	3.9	0.0	0.4	8.0	0.9	4.4	8.3	2.6	4.7
22	5.8	1.0	3.3	6.2	0.0	1.1	8.7	0.0	3.8	7.4	2.2	4.8
23	7.0	0.6	3.1	7.3	0.0	1.5	8.6	0.1	3.3	7.3	3.5	4.9
24	4.5	0.1	1.6	4.8	0.0	1.7	8.0	0.0	3.3	7.3	3.1	4.7
25	5.4	0.0	1.9	7.5	0.0	1.7	10.1	0.1	3.7	6.5	2.5	4.5
26	7.2	0.0	1.8	2.1	0.0	0.5	7.3	0.7	4.0	5.9	2.6	4.4
27	7.5	0.0	2.3	2.4	0.0	0.6	6.8	2.5	4.3	4.5	2.1	3.4
28	---	---	---	6.8	0.0	2.2	6.0	1.8	4.0	4.0	1.0	2.4
29	---	---	---	3.5	0.1	1.2	5.3	0.6	3.2	7.1	1.6	4.0
30	---	---	---	2.6	0.0	0.3	6.0	0.9	2.9	6.6	5.3	5.9
31	---	---	---	3.3	0.0	1.0	5.3	0.2	2.1	---	---	---
Month	---	---	---	9.3	0.0	1.9	10.8	0.0	3.7	8.9	0.1	4.3

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

**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	29	0	7	82	53	70	74	37	60	87	73	82
2	71	3	32	73	53	66	86	49	69	89	66	83
3	76	14	38	80	54	70	86	63	74	89	72	82
4	61	18	40	88	58	75	64	48	53	86	73	80
5	51	1	18	90	62	78	73	54	63	88	73	80
6	45	0	14	85	53	68	70	62	65	90	72	81
7	69	1	24	78	35	55	67	63	65	89	72	80
8	68	1	28	73	37	52	72	64	68	92	74	84
9	102	2	40	60	34	44	89	69	83	91	73	81
10	86	21	50	67	32	44	83	62	73	93	75	85
11	94	20	47	74	27	50	69	59	64	89	81	86
12	62	15	34	77	55	66	67	62	64	91	79	85
13	76	20	44	59	54	56	80	67	73	86	76	80
14	90	37	55	67	51	54	80	75	78	87	74	79
15	73	40	58	69	47	52	80	77	79	90	75	82
16	70	43	57	60	41	45	83	77	80	86	74	80
17	80	46	63	60	39	44	82	74	78	96	77	89
18	80	54	70	60	45	51	87	73	79	92	74	85
19	91	59	77	71	53	62	89	84	87	82	74	78
20	98	73	87	58	43	49	86	73	78	82	69	74
21	96	63	82	51	37	44	82	71	77	81	70	77
22	83	58	72	51	22	43	80	72	75	83	73	79
23	87	46	61	57	32	49	77	70	73	80	69	76
24	104	38	72	56	26	45	78	67	71	82	72	77
25	77	37	59	56	25	43	98	68	83	96	76	86
26	58	29	45	53	36	48	89	73	82	76	66	70
27	51	21	34	68	24	54	73	68	69	71	64	69
28	66	20	38	65	12	32	77	70	73	75	71	73
29	53	26	39	58	16	38	---	---	---	81	73	77
30	72	30	50	73	28	56	75	64	71	85	80	83
31	92	38	68	---	---	---	79	73	77	88	82	85
Month	104	0	48	90	12	53	---	---	---	96	64	80

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	87	82	85	90	52	69	---	---	---	---	---	---
2	89	84	86	95	66	83	124	31	73	---	---	---
3	92	88	90	89	61	85	125	61	87	---	---	---
4	88	84	86	89	34	74	114	62	85	---	---	---
5	94	80	87	89	36	69	138	32	77	---	---	---
6	94	79	86	89	37	58	147	16	79	---	---	---
7	80	75	78	88	30	52	136	7	80	142	21	77
8	80	77	78	88	36	62	124	8	88	112	27	74
9	83	80	81	93	44	70	104	14	65	101	34	67
10	91	81	86	92	44	83	94	12	27	111	22	63
11	91	85	88	91	60	84	151	4	43	---	---	---
12	88	82	84	89	61	81	171	5	51	---	---	---
13	90	84	87	89	55	79	170	2	57	---	---	---
14	90	84	87	84	66	77	129	2	40	142	47	84
15	93	84	88	81	26	63	85	12	43	125	51	88
16	95	88	92	69	3	23	120	26	54	114	45	80
17	94	69	89	64	1	23	106	11	52	108	41	71
18	96	62	77	79	40	58	117	17	54	96	36	60
19	93	60	75	79	12	54	113	46	75	98	36	64
20	93	63	80	96	6	48	198	49	100	120	41	73
21	91	76	85	107	44	82	159	55	96	---	---	---
22	92	85	89	113	82	97	113	29	66	---	---	---
23	89	82	86	111	66	91	90	30	49	---	---	---
24	85	78	82	101	56	74	153	24	52	---	---	---
25	82	33	65	144	53	97	113	34	86	---	---	---
26	93	32	54	138	74	103	---	---	---	---	---	---
27	87	37	59	137	62	98	---	---	---	139	48	72
28	88	47	72	138	73	109	---	---	---	129	64	97
29	---	---	---	104	88	97	---	---	---	121	56	86
30	---	---	---	94	73	84	---	---	---	104	47	72
31	---	---	---	---	---	---	---	---	---	124	34	75
Month	96	32	82	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	101	36	65	58	0	11	31	0	6	105	1	44
2	84	11	40	82	0	22	10	0	2	84	11	55
3	60	8	29	99	12	47	37	0	7	110	20	67
4	84	6	31	118	12	53	127	0	13	109	59	79
5	77	7	32	121	7	49	102	0	39	106	36	70
6	89	1	37	93	1	31	93	5	32	105	32	66
7	98	14	53	100	0	24	106	2	43	111	34	66
8	82	30	50	80	3	31	104	22	55	118	29	76
9	107	32	63	83	7	38	121	34	73	127	21	71
10	118	28	59	78	2	29	166	26	74	102	32	70
11	98	17	52	113	4	44	130	46	88	88	13	60
12	---	---	---	107	3	52	146	30	76	90	1	42
13	---	---	---	107	10	54	133	30	81	85	1	54
14	---	---	---	87	4	46	121	69	94	84	44	66
15	---	---	---	76	1	20	106	62	88	106	28	63
16	---	---	---	117	3	33	151	55	92	103	25	59
17	---	---	---	132	0	33	122	60	91	120	13	56
18	---	---	---	108	0	27	106	25	67	123	13	54
19	---	---	---	114	0	31	103	6	46	127	9	48
20	---	---	---	80	0	19	124	6	58	108	29	55
21	---	---	---	58	0	6	117	13	64	120	37	67
22	88	15	50	89	0	16	129	0	56	107	31	69
23	104	9	47	107	0	22	125	1	47	106	50	70
24	69	2	24	70	0	25	113	0	47	108	44	68
25	81	0	28	110	0	26	145	1	52	95	36	65
26	106	0	26	31	0	8	107	9	58	87	38	64
27	112	0	34	35	0	9	101	37	63	65	30	48
28	---	---	---	99	0	32	89	26	58	50	13	30
29	---	---	---	51	1	17	78	9	46	81	19	46
30	---	---	---	38	0	4	89	13	43	75	61	68
31	---	---	---	49	0	14	76	3	32	---	---	---
Month	---	---	---	132	0	28	166	0	55	127	1	61