

Water-Data Report 2008

02081094 ROANOKE RIVER AT JAMESVILLE, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 35°48'47", long 76°53'34" referenced to North American Datum of 1983, Martin County, NC, Hydrologic Unit 03010107, at private pier on right bank, 50 ft downstream of boat ramp at end of Water Street, approximately 19.2 mi upstream from mouth, and 0.5 mi northeast of Jamesville.

DRAINAGE AREA.--9,250 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1990 to September 1993, August 1996 to current year. Records from August 1996 to September 1997 are unpublished and available from the USGS Water Science Center, Raleigh, NC.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.87 ft, September 18, 19, 1999; minimum elevation, -1.14 ft, September 1, 1993.

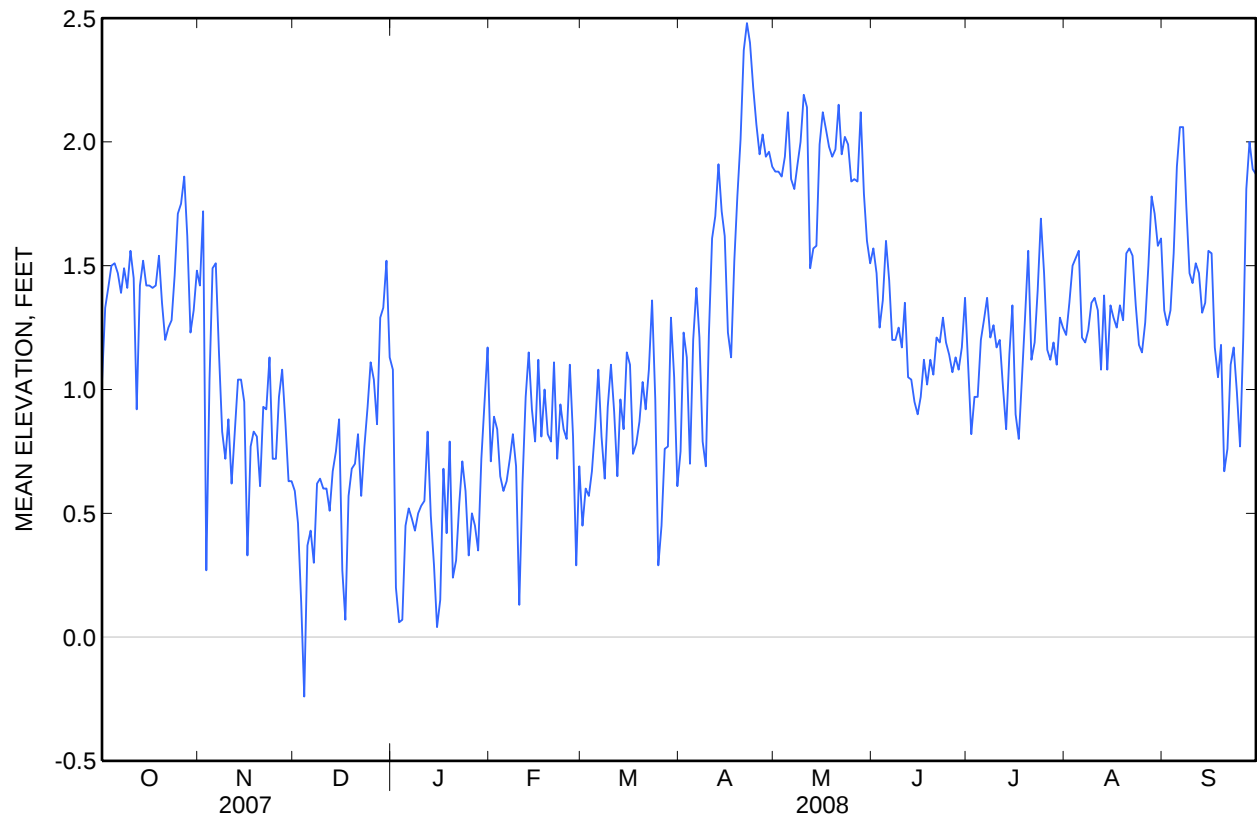
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.56 ft, April 22; minimum elevation, -0.82 ft, February 10.

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

ELEVATION, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.03	1.42	0.59	1.08	0.71	0.45	0.75	1.88	1.57	1.09	1.22	1.32
2	1.33	1.72	0.46	0.20	0.89	0.60	1.23	1.88	1.47	0.82	1.35	1.26
3	1.41	0.27	0.14	0.06	0.84	0.57	1.13	1.86	1.25	0.97	1.50	1.32
4	1.50	1.04	-0.24	0.07	0.65	0.67	0.70	1.94	1.36	0.97	1.53	1.55
5	1.51	1.49	0.37	0.45	0.59	0.85	1.20	2.12	1.60	1.20	1.56	1.90
6	1.47	1.51	0.43	0.52	0.63	1.08	1.41	1.85	1.44	1.28	1.21	2.06
7	1.39	1.15	0.30	0.48	0.72	0.81	1.21	1.81	1.20	1.37	1.19	2.06
8	1.49	0.83	0.62	0.43	0.82	0.64	0.79	1.91	1.20	1.21	1.24	1.74
9	1.41	0.72	0.64	0.50	0.69	0.93	0.69	2.00	1.25	1.26	1.35	1.47
10	1.56	0.88	0.60	0.53	0.13	1.10	1.22	2.19	1.17	1.17	1.37	1.43
11	1.45	0.62	0.60	0.55	0.62	0.91	1.61	2.14	1.35	1.20	1.32	1.51
12	0.92	0.83	0.51	0.83	0.97	0.65	1.70	1.49	1.05	1.01	1.08	1.47
13	1.42	1.04	0.67	0.49	1.15	0.96	1.91	1.57	1.04	0.84	1.38	1.31
14	1.52	1.04	0.75	0.29	0.92	0.84	1.72	1.58	0.95	1.14	1.08	1.35
15	1.42	0.95	0.88	0.04	0.79	1.15	1.62	1.99	0.90	1.34	1.34	1.56
16	1.42	0.33	0.27	0.15	1.12	1.10	1.23	2.12	0.97	0.90	1.29	1.55
17	1.41	0.77	0.07	0.68	0.81	0.74	1.13	2.05	1.12	0.80	1.25	1.17
18	1.42	0.83	0.57	0.42	1.00	0.78	1.52	1.98	1.02	1.05	1.34	1.05
19	1.54	0.81	0.68	0.79	0.82	0.87	1.78	1.94	1.12	1.29	1.28	1.18
20	1.35	0.61	0.70	0.24	0.79	1.03	2.01	1.97	1.06	1.56	1.55	0.67
21	1.20	0.93	0.82	0.31	1.11	0.92	2.37	2.15	1.21	1.12	1.57	0.76
22	1.25	0.92	0.57	0.54	0.72	1.08	2.48	1.95	1.19	1.19	1.54	1.10
23	1.28	1.13	0.77	0.71	0.94	1.36	2.40	2.02	1.29	1.40	1.34	1.17
24	1.46	0.72	0.93	0.59	0.84	0.96	2.22	1.99	1.19	1.69	1.18	0.99
25	1.71	0.72	1.11	0.33	0.80	0.29	2.07	1.84	1.14	1.47	1.15	0.77
26	1.75	0.97	1.04	0.50	1.10	0.45	1.95	1.85	1.07	1.16	1.27	1.21
27	1.86	1.08	0.86	0.45	0.81	0.76	2.03	1.84	1.13	1.12	1.50	1.81
28	1.62	0.87	1.29	0.35	0.29	0.77	1.94	2.12	1.08	1.19	1.78	2.00
29	1.23	0.63	1.33	0.72	0.69	1.29	1.96	1.79	1.17	1.10	1.71	1.89
30	1.32	0.63	1.52	0.95	---	1.05	1.90	1.60	1.37	1.29	1.58	1.87
31	1.48	---	1.13	1.17	---	0.61	---	1.51	---	1.25	1.61	---
Mean	1.42	0.92	0.68	0.50	0.79	0.85	1.60	1.90	1.20	1.18	1.38	1.42
Max	1.86	1.72	1.52	1.17	1.15	1.36	2.48	2.19	1.60	1.69	1.78	2.06
Min	0.92	0.27	-0.24	0.04	0.13	0.29	0.69	1.49	0.90	0.80	1.08	0.67

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued



02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955 to 1967, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1955 to September 1967, March 1998 to current year

pH: March 1998 to current year.

WATER TEMPERATURE: October 1955 to September 1967, March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: March 1998 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

COOPERATION.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (DENR), Division of Water Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 182 microsiemens, April 11, 1999; minimum recorded, 36 microsiemens, September 19-21, 1999.

pH: Maximum recorded, 7.7 standard units, June 14, 15, 16, 17, 2002, October 5, 2007; minimum recorded, 5.6 standard units, May 3, 1998, September 18, 19, 1999

WATER TEMPERATURE: Maximum recorded, 31.4°C, August 3, 2002; minimum recorded, 2.2°C, January 5, 6, 2001, January 28, 29, 2003.

DISSOLVED OXYGEN: Maximum recorded, 14.3 mg/L, January 8, 1999; minimum recorded, <1.0 mg/L, September 21-30, 2003.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 118%, October 5, 2007; minimum recorded, <10%, September 21-30, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 160 microsiemens, October 17; minimum recorded, 106 microsiemens, April 24.

pH: Maximum recorded, 7.7 standard units, October 5; minimum recorded, 6.1 standard units, April 24, June 3.

WATER TEMPERATURE: Maximum recorded, 30.8°C, August 7; minimum recorded, 5.2°C, January 26, 28.

DISSOLVED OXYGEN: Maximum recorded, 13.3 mg/L, January 31; minimum recorded, 4.8, July 28, 29.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 118%, October 5; minimum recorded, 59%, April 26.

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	153	148	150	136	124	127	133	132	132	129	125	127
2	150	148	149	142	133	136	132	130	132	128	125	127
3	153	148	151	140	138	139	131	125	127	132	128	131
4	152	148	150	139	137	138	131	127	129	132	131	132
5	148	125	137	137	131	133	133	131	132	135	127	130
6	143	125	135	135	126	132	134	132	133	130	127	128
7	152	138	143	133	123	126	134	133	134	132	129	131
8	152	148	150	133	124	128	134	133	133	132	122	126
9	150	148	149	135	125	131	134	133	133	129	122	125
10	150	148	149	137	126	134	134	133	133	131	122	127
11	149	142	145	139	136	138	134	132	133	124	121	122
12	147	144	145	139	138	138	133	132	133	126	123	124
13	145	138	141	139	132	135	133	131	132	137	126	133
14	144	138	141	139	131	136	132	129	130	139	134	137
15	144	133	137	139	131	136	131	130	130	140	132	136
16	159	143	153	136	127	132	132	127	131	141	139	140
17	160	155	157	136	125	129	132	131	132	143	140	141
18	159	155	157	138	131	135	132	130	131	142	140	141
19	156	149	151	140	138	139	130	123	126	141	139	140
20	151	145	148	141	140	140	130	123	127	140	138	139
21	150	144	146	140	138	139	130	127	129	139	131	135
22	154	148	152	139	138	139	128	122	126	135	132	134
23	155	151	153	139	133	137	122	118	120	135	130	133
24	153	150	151	133	129	131	123	119	121	134	130	132
25	156	151	154	133	132	132	124	119	122	135	134	134
26	155	147	153	133	132	133	130	120	124	135	134	134
27	147	144	146	133	131	132	134	130	132	135	127	130
28	144	141	142	132	130	132	134	133	133	133	129	131
29	142	124	133	132	131	132	134	132	133	137	133	136
30	135	125	131	134	132	133	132	130	131	138	136	137
31	---	---	---	---	---	---	132	129	130	138	137	137
Month	---	---	---	142	123	134	134	118	130	143	121	133

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	139	137	138	139	137	138	142	136	139	122	121	122
2	139	138	138	139	138	138	142	136	139	122	116	120
3	139	138	138	141	138	140	144	142	143	123	119	121
4	138	137	138	143	140	141	143	141	142	123	121	123
5	138	137	137	141	138	140	142	132	136	125	122	124
6	140	136	137	142	140	141	135	129	133	126	124	125
7	136	130	132	141	139	140	131	127	129	128	125	127
8	135	131	133	140	139	140	132	130	131	128	126	127
9	136	135	135	140	136	138	130	126	128	126	125	126
10	137	135	136	136	131	133	126	125	126	126	125	125
11	138	136	137	134	126	131	127	125	126	126	124	125
12	139	137	138	126	111	118	129	126	128	125	124	124
13	139	136	138	112	110	111	129	124	125	125	124	124
14	139	138	139	119	112	116	126	125	125	125	124	125
15	140	139	139	123	118	121	127	125	126	125	124	125
16	140	138	139	128	123	125	127	125	126	125	124	125
17	140	139	139	132	127	130	126	125	126	125	123	124
18	140	135	138	134	132	133	127	126	126	124	123	124
19	139	137	138	136	133	134	127	126	126	124	122	124
20	138	136	137	137	135	136	127	126	126	124	122	123
21	139	136	137	137	136	137	127	125	126	124	122	123
22	141	138	140	137	135	136	127	123	126	123	122	123
23	141	139	140	137	135	136	123	109	115	123	122	123
24	139	138	139	138	136	137	110	106	108	123	122	122
25	140	138	139	138	133	137	115	110	113	122	121	122
26	140	138	139	140	134	138	118	115	117	123	122	122
27	140	138	139	141	136	140	121	118	120	123	122	122
28	139	136	137	142	139	141	122	120	121	123	121	123
29	138	136	137	142	141	142	124	122	123	123	121	122
30	---	---	---	142	141	142	124	122	123	123	121	122
31	---	---	---	142	140	142	---	---	---	124	122	123
Month	141	130	138	143	110	135	144	106	127	128	116	124

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	125	123	124	139	137	139	135	125	131	147	145	146
2	125	123	124	140	137	138	135	124	131	146	143	145
3	125	124	124	138	135	137	127	124	126	147	142	144
4	126	125	126	136	134	135	126	121	123	144	142	143
5	126	125	126	136	133	134	124	120	123	144	132	140
6	127	125	126	136	132	134	120	118	119	144	137	142
7	127	126	126	138	132	136	125	118	121	145	136	142
8	127	125	126	132	118	122	129	122	125	136	119	123
9	127	125	126	132	120	129	132	129	131	136	124	131
10	127	125	126	131	120	124	133	127	131	126	119	121
11	127	126	127	124	118	120	127	122	125	138	119	127
12	128	126	127	129	124	128	127	120	123	138	124	131
13	128	126	127	127	117	120	128	121	125	138	123	128
14	130	128	128	129	124	126	126	121	122	144	138	141
15	130	129	130	129	121	126	130	122	126	145	143	144
16	132	129	131	128	118	120	133	126	131	146	141	145
17	132	130	131	131	122	127	134	132	133	141	137	139
18	131	129	131	134	121	124	134	130	132	138	132	135
19	132	130	131	140	134	137	130	126	128	132	126	130
20	132	130	131	139	129	137	128	117	122	127	113	119
21	132	130	131	138	129	135	128	118	123	116	114	115
22	133	130	132	139	121	132	137	125	132	116	111	115
23	134	128	131	129	121	124	137	135	136	119	115	116
24	137	134	136	132	122	128	136	128	131	138	118	133
25	137	135	136	124	117	120	136	127	132	140	137	138
26	137	135	136	124	117	119	127	121	123	140	137	139
27	137	136	137	124	118	121	135	122	129	138	134	136
28	138	137	138	119	118	118	135	126	130	136	124	130
29	138	136	137	120	117	118	144	127	136	124	117	119
30	138	136	137	128	119	124	146	143	144	118	116	117
31	---	---	---	125	120	122	147	145	146	---	---	---
Month	138	123	130	140	117	128	147	117	129	147	111	132

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.2	7.1	7.1	6.7	6.6	6.6	6.8	6.7	6.7	6.3	6.3	6.3
2	7.2	7.1	7.1	6.7	6.6	6.6	6.7	6.7	6.7	6.3	6.2	6.3
3	7.2	7.1	7.1	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.3	6.3
4	7.2	7.1	7.1	6.8	6.7	6.7	6.7	6.7	6.7	6.4	6.3	6.3
5	7.1	7.1	7.1	6.8	6.6	6.8	6.8	6.7	6.8	6.4	6.4	6.4
6	7.1	7.0	7.1	6.7	6.6	6.6	6.7	6.5	6.6	6.4	6.4	6.4
7	7.1	6.9	7.0	6.7	6.6	6.7	6.6	6.5	6.6	6.5	6.4	6.5
8	6.9	6.9	6.9	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.5	6.6
9	7.0	6.9	6.9	6.6	6.6	6.6	6.6	6.5	6.6	6.7	6.6	6.6
10	7.0	6.9	7.0	6.6	6.5	6.5	6.5	6.5	6.5	6.7	6.6	6.6
11	7.0	6.9	7.0	6.5	6.5	6.5	6.5	6.4	6.5	6.7	6.6	6.6
12	7.0	7.0	7.0	6.5	6.3	6.3	6.6	6.5	6.6	6.7	6.5	6.5
13	7.0	6.9	7.0	6.3	6.2	6.2	6.6	6.6	6.6	6.6	6.5	6.6
14	7.0	7.0	7.0	6.3	6.2	6.3	6.7	6.6	6.6	6.6	6.5	6.6
15	7.0	7.0	7.0	6.4	6.3	6.3	6.7	6.6	6.6	6.6	6.6	6.6
16	7.0	6.8	6.9	6.4	6.4	6.4	6.7	6.6	6.6	6.6	6.6	6.6
17	6.9	6.8	6.9	6.4	6.3	6.4	6.7	6.6	6.7	6.6	6.5	6.6
18	6.9	6.8	6.9	6.4	6.4	6.4	6.7	6.7	6.7	6.7	6.6	6.6
19	6.8	6.7	6.7	6.5	6.4	6.4	6.7	6.7	6.7	6.6	6.5	6.5
20	6.7	6.7	6.7	6.5	6.4	6.5	6.7	6.6	6.7	6.6	6.5	6.6
21	6.7	6.7	6.7	6.5	6.4	6.5	6.7	6.5	6.6	6.6	6.5	6.5
22	6.7	6.7	6.7	6.5	6.5	6.5	6.5	6.4	6.5	6.5	6.4	6.5
23	6.7	6.6	6.6	6.5	6.5	6.5	6.4	6.2	6.3	6.6	6.4	6.5
24	6.6	6.6	6.6	6.6	6.5	6.5	6.2	6.1	6.2	6.5	6.5	6.5
25	6.7	6.6	6.7	6.8	6.6	6.6	6.2	6.2	6.2	6.5	6.4	6.5
26	6.7	6.7	6.7	6.7	6.6	6.6	6.2	6.2	6.2	6.5	6.4	6.5
27	6.7	6.6	6.7	6.6	6.6	6.6	6.2	6.2	6.2	6.5	6.4	6.5
28	6.7	6.6	6.6	6.7	6.6	6.7	6.3	6.2	6.2	6.5	6.4	6.5
29	6.6	6.6	6.6	6.7	6.7	6.7	6.2	6.2	6.2	6.5	6.4	6.4
30	---	---	---	6.7	6.7	6.7	6.3	6.2	6.3	6.4	6.3	6.3
31	---	---	---	6.7	6.7	6.7	---	---	---	6.4	6.3	6.3
Max	7.2	7.1	7.1	6.8	6.7	6.8	6.8	6.7	6.8	6.7	6.6	6.6
Min	6.6	6.6	6.6	6.3	6.2	6.2	6.2	6.1	6.2	6.3	6.2	6.3

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	6.4	6.4	6.4	6.7	6.5	6.6	6.9	6.8	6.8	7.2	7.0	7.1
2	6.4	6.3	6.4	6.8	6.7	6.8	7.0	6.9	6.9	7.3	7.2	7.2
3	6.4	6.1	6.4	6.8	6.8	6.8	6.9	6.9	6.9	7.2	7.1	7.2
4	6.5	6.4	6.5	6.8	6.8	6.8	6.9	6.8	6.9	7.2	7.1	7.1
5	6.6	6.5	6.6	6.8	6.8	6.8	6.9	6.8	6.8	7.2	7.1	7.2
6	6.6	6.5	6.6	6.8	6.8	6.8	6.8	6.8	6.8	7.3	7.1	7.2
7	6.6	6.6	6.6	6.8	6.7	6.8	---	---	---	7.2	7.1	7.1
8	6.6	6.6	6.6	6.8	6.7	6.8	7.1	7.0	7.1	7.1	7.0	7.0
9	6.7	6.6	6.6	6.8	6.7	6.8	7.3	7.0	7.1	7.0	7.0	7.0
10	6.7	6.6	6.6	6.7	6.7	6.7	7.2	6.6	6.9	7.1	7.0	7.0
11	6.7	6.5	6.6	6.8	6.6	6.7	7.1	6.7	6.9	7.2	7.0	7.0
12	6.6	6.5	6.6	6.7	6.6	6.6	6.9	6.7	6.8	7.1	7.0	7.0
13	6.6	6.6	6.6	6.6	6.6	6.6	7.0	6.8	6.9	7.1	7.0	7.0
14	6.6	6.6	6.6	6.6	6.6	6.6	7.0	6.8	6.9	7.1	7.0	7.0
15	6.6	6.6	6.6	6.7	6.6	6.7	---	---	---	7.1	7.0	7.1
16	6.7	6.6	6.6	6.7	6.6	6.7	6.8	6.7	6.8	7.1	7.0	7.1
17	6.7	6.6	6.7	6.7	6.6	6.7	7.0	6.8	6.8	7.2	7.1	7.1
18	6.7	6.6	6.7	6.8	6.6	6.7	6.9	6.8	6.9	7.2	7.2	7.2
19	6.7	6.7	6.7	6.8	6.7	6.8	6.9	6.8	6.9	7.2	7.1	7.1
20	6.7	6.7	6.7	6.8	6.8	6.8	6.9	6.8	6.9	7.1	7.1	7.1
21	6.7	6.7	6.7	6.8	6.7	6.8	7.0	6.8	7.0	7.1	7.1	7.1
22	6.7	6.6	6.6	6.8	6.7	6.8	7.0	7.0	7.0	7.2	7.1	7.1
23	6.7	6.6	6.6	6.8	6.8	6.8	7.0	7.0	7.0	7.2	7.1	7.1
24	6.7	6.6	6.6	6.9	6.7	6.8	7.1	6.9	7.0	7.3	7.1	7.2
25	6.7	6.6	6.6	6.8	6.8	6.8	7.1	7.0	7.0	7.3	7.2	7.3
26	6.7	6.6	6.6	6.8	6.8	6.8	7.1	7.0	7.0	7.3	7.2	7.2
27	6.6	6.5	6.6	6.8	6.7	6.7	7.3	7.0	7.0	7.2	7.1	7.2
28	6.6	6.5	6.6	6.7	6.7	6.7	7.2	6.8	7.1	7.2	7.1	7.1
29	6.6	6.6	6.6	6.7	6.7	6.7	7.1	6.8	7.0	7.1	7.1	7.1
30	6.6	6.5	6.6	6.8	6.7	6.7	7.1	6.8	7.0	7.2	7.0	7.1
31	---	---	---	6.8	6.8	6.8	7.1	6.9	7.0	---	---	---
Max	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---	7.3	7.2	7.3
Min	6.4	6.1	6.4	6.6	6.5	6.6	---	---	---	7.0	7.0	7.0

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	25.3	24.8	25.0	19.7	19.1	19.3	11.6	11.4	11.5	9.2	9.0	9.1
2	25.4	24.5	24.8	19.1	17.8	18.5	11.6	11.3	11.4	9.1	8.7	8.9
3	25.2	24.5	24.8	17.8	17.0	17.3	11.8	11.4	11.7	8.8	8.2	8.4
4	25.3	24.6	24.8	17.2	16.7	16.9	11.4	10.6	10.9	8.2	7.6	7.9
5	25.6	24.6	24.8	16.8	16.5	16.7	10.6	10.0	10.2	7.6	6.5	6.9
6	24.9	24.5	24.6	16.6	16.2	16.4	10.1	9.5	9.7	6.5	5.7	6.0
7	25.2	24.4	24.7	16.2	15.7	15.9	9.5	9.2	9.3	6.2	5.3	5.7
8	25.7	24.6	24.9	15.7	15.1	15.3	9.6	9.2	9.4	7.1	6.2	6.7
9	25.5	24.9	25.1	15.1	14.4	14.7	9.6	9.4	9.5	7.9	7.1	7.5
10	25.8	25.2	25.4	14.4	13.4	13.9	9.8	9.5	9.7	8.6	7.8	8.1
11	25.5	24.9	25.2	13.4	13.0	13.1	9.8	9.5	9.6	9.5	8.6	9.1
12	24.9	24.2	24.5	13.0	12.8	12.9	10.3	9.6	9.9	9.8	9.5	9.7
13	24.2	23.7	24.0	13.2	12.7	12.9	11.0	10.3	10.6	10.1	9.7	9.9
14	23.7	23.3	23.4	13.2	12.8	13.0	11.8	11.0	11.4	10.1	9.9	10.0
15	23.4	23.0	23.2	13.2	13.0	13.1	12.2	11.7	11.9	9.9	9.5	9.6
16	23.1	22.7	22.9	13.0	12.6	12.7	12.5	11.9	12.2	9.5	9.0	9.2
17	23.2	22.5	22.8	12.6	12.3	12.4	11.9	11.3	11.6	9.1	8.5	8.8
18	23.4	22.5	22.8	12.6	12.2	12.4	11.3	10.5	10.9	8.5	7.5	8.0
19	22.7	22.4	22.5	12.8	12.5	12.7	10.5	9.1	9.8	7.5	6.8	7.1
20	22.5	21.9	22.2	13.1	12.8	13.0	9.1	8.0	8.4	6.8	6.2	6.4
21	22.0	21.2	21.6	13.1	13.0	13.1	8.0	7.7	7.8	6.2	5.9	6.0
22	21.8	21.1	21.3	13.1	12.9	13.0	8.7	7.8	8.2	6.3	5.9	6.1
23	22.1	21.3	21.6	13.0	12.6	12.8	9.1	8.7	8.9	6.5	6.3	6.4
24	22.7	21.7	22.1	12.6	12.2	12.4	9.3	9.0	9.1	6.4	6.0	6.3
25	22.7	22.4	22.6	12.6	12.5	12.5	9.2	9.1	9.1	6.0	5.5	5.7
26	22.7	22.3	22.5	13.1	12.6	12.8	9.2	8.9	9.0	5.6	5.2	5.3
27	22.3	22.1	22.2	13.4	13.1	13.3	9.5	8.9	9.1	5.5	5.3	5.5
28	22.1	21.5	21.8	13.2	12.5	12.7	9.6	9.3	9.5	5.6	5.2	5.4
29	21.5	20.7	21.1	12.5	11.9	12.2	10.0	9.6	9.8	5.7	5.4	5.5
30	20.7	20.1	20.3	11.9	11.6	11.8	9.9	9.3	9.7	6.2	5.7	5.9
31	---	---	---	---	---	---	9.3	9.1	9.2	6.0	5.7	5.8
Month	---	---	---	19.7	11.6	14.0	12.5	7.7	10.0	10.1	5.2	7.3

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.9	5.9	6.4	9.2	8.4	8.8	15.0	14.1	14.5	18.2	17.4	17.8
2	7.4	6.8	7.0	9.3	8.6	9.0	15.2	14.8	15.0	18.8	17.9	18.3
3	7.9	7.1	7.5	9.6	8.9	9.3	15.1	14.1	14.5	19.0	18.5	18.7
4	8.2	7.7	7.9	10.4	9.6	9.8	14.8	14.0	14.4	19.4	18.8	19.1
5	8.5	8.1	8.3	11.6	10.4	11.0	15.2	14.8	15.0	19.9	19.4	19.7
6	9.3	8.5	8.8	12.4	11.4	11.8	15.1	14.7	14.9	20.6	19.9	20.3
7	10.0	9.3	9.6	12.8	12.1	12.4	14.7	13.9	14.3	20.8	20.4	20.6
8	10.4	9.8	10.1	13.4	12.8	13.1	14.1	13.7	13.9	20.8	20.4	20.6
9	11.1	10.3	10.6	13.1	12.7	12.9	14.1	13.8	13.9	20.9	20.1	20.5
10	11.3	10.9	11.1	12.8	12.2	12.5	14.6	13.8	14.1	21.0	20.5	20.7
11	11.2	10.6	10.8	12.3	11.9	12.1	15.7	14.4	15.0	20.9	20.1	20.3
12	10.7	10.5	10.6	12.6	11.8	12.2	16.4	15.6	16.0	20.1	19.1	19.3
13	10.8	10.5	10.6	13.0	12.2	12.6	16.2	15.5	15.8	19.1	18.5	18.8
14	10.5	9.9	10.1	13.0	12.4	12.7	15.9	15.3	15.6	19.1	18.4	18.8
15	10.0	9.6	9.9	13.5	12.8	13.1	15.8	15.2	15.6	19.5	18.8	19.1
16	10.0	9.7	9.9	13.7	13.3	13.5	15.3	14.6	15.0	19.9	19.2	19.5
17	10.0	9.5	9.8	13.6	13.1	13.4	15.3	14.5	14.9	20.1	19.2	19.7
18	10.6	10.0	10.3	13.5	12.9	13.2	15.9	15.0	15.4	20.6	19.7	20.1
19	10.5	10.2	10.4	13.8	13.1	13.4	16.4	15.4	15.8	20.8	20.2	20.5
20	10.5	9.9	10.2	14.1	13.8	13.9	16.8	15.9	16.3	21.0	20.3	20.6
21	10.3	9.9	10.1	14.2	13.6	14.0	17.2	16.3	16.7	20.8	20.3	20.6
22	10.1	9.5	9.8	14.2	13.7	14.0	17.1	16.6	16.8	20.8	20.0	20.4
23	9.6	9.5	9.5	14.1	13.8	14.0	17.4	16.5	16.9	20.5	20.0	20.2
24	9.5	9.0	9.2	14.2	13.8	14.0	18.1	17.0	17.5	20.6	19.9	20.2
25	9.1	8.7	8.9	13.9	13.6	13.8	18.4	17.4	17.9	20.8	19.8	20.3
26	9.1	8.8	9.0	14.2	13.6	13.8	19.1	18.0	18.5	21.1	20.0	20.5
27	9.1	8.8	9.0	14.2	13.8	13.9	19.2	18.8	19.0	21.7	20.7	21.1
28	9.0	8.4	8.7	14.9	14.1	14.4	19.2	18.9	19.0	21.4	21.0	21.1
29	8.8	8.4	8.7	14.9	14.3	14.5	19.1	18.6	18.8	21.1	20.4	20.8
30	---	---	---	14.3	13.8	13.9	18.8	18.2	18.5	21.3	20.5	20.9
31	---	---	---	14.3	13.7	14.0	---	---	---	22.3	21.3	21.7
Month	11.3	5.9	9.4	14.9	8.4	12.7	19.2	13.7	16.0	22.3	17.4	20.0

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	22.9	22.0	22.4	29.5	29.1	29.3	30.6	29.6	30.1	27.9	27.5	27.6
2	23.5	22.8	23.1	29.4	28.9	29.2	30.6	30.0	30.4	27.6	27.3	27.4
3	23.7	22.9	23.3	29.3	28.9	29.1	30.3	29.8	30.0	27.6	27.0	27.3
4	24.8	23.4	24.0	29.3	28.9	29.1	30.4	29.8	30.1	27.9	27.1	27.5
5	25.7	24.3	25.0	29.1	28.7	28.9	30.5	30.0	30.2	28.0	27.5	27.8
6	26.1	25.1	25.6	29.1	28.4	28.7	30.6	30.0	30.3	27.5	26.7	27.1
7	26.8	25.4	26.1	29.0	28.3	28.6	30.8	30.3	30.5	27.2	26.6	26.9
8	28.0	26.4	27.1	28.6	28.0	28.2	30.6	30.0	30.3	27.5	26.9	27.2
9	28.7	27.6	28.1	28.1	27.6	27.9	30.5	29.9	30.2	27.6	27.2	27.3
10	28.3	27.4	27.9	27.7	27.1	27.4	30.0	29.4	29.6	27.3	26.8	27.1
11	28.1	27.3	27.7	27.7	27.3	27.5	29.4	28.8	29.0	27.7	26.6	26.9
12	28.3	27.9	28.1	27.8	27.1	27.5	29.0	28.6	28.8	27.6	26.9	27.1
13	28.3	27.6	28.0	28.0	27.2	27.6	28.7	28.1	28.5	28.1	27.1	27.5
14	28.8	27.5	28.1	28.6	27.9	28.2	28.1	27.5	27.8	28.5	27.6	27.9
15	28.7	27.8	28.2	28.8	28.3	28.4	28.0	27.5	27.8	28.4	27.8	28.0
16	28.5	27.8	28.2	28.6	28.0	28.2	27.8	27.2	27.4	27.9	27.0	27.5
17	28.6	28.0	28.3	29.0	28.3	28.4	27.4	26.9	27.2	27.3	26.7	26.9
18	28.4	27.6	28.1	29.0	28.1	28.3	27.4	27.0	27.2	27.0	26.5	26.7
19	28.3	27.5	27.9	29.0	28.4	28.7	27.9	27.3	27.5	26.6	25.6	26.1
20	28.1	27.8	28.0	29.4	28.4	28.8	28.1	27.8	27.9	25.6	24.8	25.1
21	28.0	27.5	27.8	29.9	28.8	29.3	28.4	27.7	28.0	24.9	24.5	24.6
22	27.6	27.1	27.3	29.6	29.0	29.3	28.3	27.6	27.9	24.6	24.1	24.4
23	27.6	27.2	27.3	29.5	28.7	29.0	27.9	27.5	27.6	24.1	23.3	23.8
24	27.9	27.1	27.5	29.1	28.4	28.9	28.1	27.6	27.7	23.3	22.4	22.7
25	28.2	27.6	27.9	28.6	28.1	28.4	28.5	27.4	27.7	22.4	21.9	22.1
26	28.8	28.1	28.4	28.4	27.8	28.0	28.0	27.7	27.8	23.6	22.0	22.4
27	29.0	28.5	28.7	28.0	27.6	27.8	27.8	27.5	27.6	23.3	22.4	22.8
28	29.3	28.6	29.0	28.7	27.8	28.2	28.0	27.4	27.5	23.3	22.9	23.0
29	29.7	29.2	29.3	29.3	28.5	28.7	27.9	27.2	27.5	23.3	22.9	23.1
30	29.5	29.2	29.3	30.3	28.9	29.3	28.2	27.5	27.7	23.1	22.8	23.0
31	---	---	---	30.4	29.3	29.7	28.1	27.5	27.8	---	---	---
Month	29.7	22.0	27.2	30.4	27.1	28.5	30.8	26.9	28.6	28.5	21.9	25.8

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.7	6.3	7.0	7.2	6.7	6.9	9.7	9.4	9.6	10.5	10.1	10.3
2	8.2	6.4	6.9	7.7	6.8	7.3	9.6	9.2	9.4	10.2	10.0	10.1
3	7.2	6.2	6.8	8.0	7.4	7.7	9.6	9.2	9.4	10.3	10.1	10.2
4	7.5	6.2	6.8	8.1	7.6	7.8	9.7	9.4	9.6	10.6	10.2	10.4
5	9.6	7.2	8.3	7.8	7.5	7.6	9.6	9.3	9.5	10.9	10.6	10.8
6	7.5	6.3	7.1	7.7	7.4	7.6	9.9	9.4	9.7	11.7	10.9	11.3
7	7.3	6.1	7.1	7.9	7.7	7.8	9.8	9.5	9.7	12.0	11.7	11.9
8	7.5	6.1	7.0	8.2	7.9	8.0	10.0	9.7	9.8	11.9	11.6	11.7
9	7.0	6.3	6.6	8.4	8.1	8.2	10.0	9.8	9.9	11.7	11.4	11.6
10	7.0	6.0	6.4	8.7	8.3	8.5	10.2	9.9	10.0	11.6	11.3	11.4
11	6.7	5.7	6.3	8.9	8.6	8.7	10.4	9.9	10.2	11.5	10.6	11.3
12	7.0	5.9	6.3	9.1	8.6	8.9	10.4	10.0	10.2	11.3	10.5	11.1
13	6.6	5.8	6.2	9.1	8.5	8.8	10.3	9.7	10.1	11.1	10.6	10.8
14	6.6	5.8	6.3	9.1	8.7	8.9	10.1	9.8	10.0	10.7	10.5	10.6
15	7.1	6.1	6.6	9.1	8.8	8.9	10.0	9.6	9.8	10.7	10.3	10.6
16	7.0	6.3	6.6	9.1	8.7	8.9	9.6	9.5	9.6	10.6	10.3	10.5
17	7.0	6.2	6.6	9.2	8.9	9.0	9.6	9.5	9.5	10.7	10.5	10.6
18	7.4	6.2	6.7	9.2	8.9	9.1	9.7	9.5	9.6	11.1	10.7	10.9
19	7.1	6.0	6.5	9.1	8.9	9.0	10.3	9.7	10	11.6	11.1	11.3
20	7.4	6.1	6.8	9.1	8.8	8.9	10.6	10.3	10.5	11.9	11.5	11.7
21	7.6	6.6	6.9	9.2	8.8	8.9	10.7	10.6	10.6	12.0	11.8	11.9
22	7.5	6.6	7.0	9.2	8.8	9.0	10.7	10.4	10.6	12.0	11.8	11.9
23	7.3	6.6	6.9	9.5	8.9	9.2	10.5	10.3	10.4	12.3	11.9	12.0
24	7.1	6.4	6.7	9.6	9.2	9.3	10.6	10.3	10.5	12.4	11.8	12.2
25	6.8	6.3	6.6	9.2	9.1	9.2	10.7	10.4	10.6	12.7	12.2	12.5
26	6.7	6.1	6.5	9.2	8.9	9.0	10.7	10.5	10.6	12.7	12.4	12.6
27	7.0	6.4	6.7	9.1	8.7	8.9	10.6	10.4	10.5	12.7	12.4	12.6
28	7.0	6.4	6.8	9.4	9.0	9.2	10.4	10.2	10.4	12.9	12.4	12.7
29	6.9	6.5	6.7	9.4	9.2	9.3	10.5	10.3	10.4	12.9	12.3	12.6
30	6.8	6.3	6.7	9.7	9.4	9.5	10.5	10.3	10.5	12.9	12.4	12.7
31	---	---	---	---	---	---	10.6	10.5	10.6	13.3	12.0	12.9
Month	---	---	---	9.7	6.7	8.6	10.7	9.2	10.1	13.3	10.0	11.5

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	13.1	12.4	12.7	10.2	10.0	10.1	9.7	8.6	9.2	7.2	6.6	7.0
2	12.6	12.2	12.4	10.4	10.0	10.2	9.1	8.7	8.9	7.2	6.9	7.1
3	12.6	11.6	12.3	10.5	10.2	10.3	9.0	8.7	8.8	7.4	7.2	7.3
4	12.5	12.1	12.2	10.7	10.3	10.5	9.1	8.9	9.0	7.7	7.2	7.4
5	12.2	11.8	12.0	10.7	10.2	10.4	9.0	8.7	8.9	7.8	7.3	7.7
6	12.4	11.2	12.0	10.2	9.8	9.9	8.7	7.9	8.2	7.5	6.9	7.2
7	11.9	11.1	11.5	9.9	9.3	9.6	8.5	8.2	8.3	7.7	7.4	7.5
8	11.1	10.7	10.9	9.4	9.0	9.3	8.6	8.4	8.5	8.0	7.5	7.7
9	10.8	10.6	10.7	9.2	8.8	9.1	8.5	8.3	8.4	8.0	7.6	7.7
10	10.6	10.3	10.4	9.1	8.5	8.8	8.6	8.4	8.5	7.9	7.4	7.6
11	10.4	9.9	10.3	9.1	8.7	8.9	8.8	8.4	8.6	7.6	7.1	7.3
12	10.2	10.0	10.1	8.8	8.0	8.4	8.8	8.6	8.7	7.6	6.8	7.0
13	10.3	10.0	10.2	8.1	7.9	8.0	8.7	8.5	8.6	7.6	7.1	7.4
14	10.5	10.2	10.4	8.3	7.9	8.1	8.7	8.4	8.6	7.6	7.3	7.5
15	10.4	10.3	10.4	8.5	8.2	8.3	8.6	8.3	8.5	7.8	7.4	7.6
16	10.6	10.2	10.4	8.5	7.9	8.4	8.8	8.5	8.7	7.9	7.2	7.7
17	10.6	10.5	10.5	8.7	8.2	8.4	8.9	8.8	8.8	7.9	7.2	7.6
18	10.6	10.3	10.5	8.8	8.3	8.5	9.0	8.8	8.9	7.7	7.5	7.6
19	10.4	9.9	10.2	8.8	8.4	8.6	8.9	8.7	8.9	7.7	7.2	7.5
20	10.2	9.9	10.1	9.0	8.5	8.7	8.8	8.5	8.7	7.6	7.3	7.5
21	10.1	9.9	10.0	8.9	8.6	8.7	8.5	7.7	8.1	7.6	7.0	7.3
22	10.0	9.9	9.9	8.8	8.5	8.7	7.7	7.4	7.6	7.2	7.1	7.2
23	10.0	9.7	9.8	8.9	8.6	8.8	7.4	6.4	6.7	7.4	7.0	7.2
24	10.2	9.7	9.9	8.8	8.6	8.7	6.4	6.0	6.2	7.3	7.0	7.2
25	10.3	10.0	10.2	10.1	8.6	9.3	6.2	5.9	6.0	7.6	6.9	7.2
26	10.4	10.0	10.3	9.8	8.7	9.0	6.1	5.5	5.8	7.5	7.0	7.3
27	10.4	10.2	10.3	8.9	8.7	8.8	5.9	5.6	5.7	7.4	7.1	7.3
28	10.3	9.9	10.1	9.0	8.6	8.8	6.2	5.7	5.9	7.5	7.0	7.2
29	10.1	9.8	10	9.0	8.7	8.9	6.2	5.8	6.0	7.1	6.6	6.8
30	---	---	---	9.0	8.6	8.9	6.8	6.1	6.3	6.8	6.4	6.6
31	---	---	---	8.9	8.6	8.8	---	---	---	6.7	6.3	6.5
Month	13.1	9.7	10.7	10.7	7.9	9.0	9.7	5.5	7.9	8.0	6.3	7.3

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	6.7	6.4	6.5	6.6	6.1	6.4	5.9	5.4	5.6	6.7	6.0	6.3
2	6.5	6.2	6.4	6.8	6.3	6.5	6.1	5.5	5.9	6.5	6.2	6.3
3	6.5	6.2	6.4	7.0	6.2	6.6	6.1	5.6	5.9	6.5	6.0	6.3
4	6.5	6.2	6.3	6.8	6.4	6.6	6.0	5.3	5.7	6.3	5.9	6.1
5	6.6	6.2	6.4	6.7	6.3	6.5	5.9	5.1	5.6	6.4	5.9	6.2
6	6.7	6.2	6.5	6.6	6.2	6.4	6.0	5.4	5.7	6.7	6.2	6.4
7	6.7	6.3	6.5	6.5	6.1	6.3	6.2	5.4	5.8	6.4	6.0	6.2
8	6.6	6.3	6.4	6.3	6.1	6.2	6.4	5.8	6.1	6.0	5.6	5.8
9	6.5	6.1	6.3	6.3	5.7	6.0	6.5	5.9	6.2	5.7	5.5	5.6
10	6.6	6.1	6.3	6.1	5.6	5.8	6.3	6.0	6.2	5.8	5.2	5.6
11	6.5	6.1	6.3	6.0	5.8	5.9	6.2	5.7	6.0	6.4	5.2	5.7
12	6.5	6.1	6.3	6.1	5.7	5.9	6.2	5.8	6.0	6.0	5.2	5.5
13	6.6	6.3	6.4	6.0	5.8	5.9	6.2	5.9	6.0	5.9	5.5	5.6
14	6.7	6.3	6.5	6.0	5.6	5.9	6.3	5.8	6.0	6.0	5.3	5.6
15	6.6	6.1	6.4	6.0	5.4	5.8	6.5	6.0	6.2	5.9	5.2	5.6
16	6.7	6.1	6.4	6.1	5.5	5.8	6.7	6.3	6.5	6.0	5.6	5.8
17	6.8	6.2	6.5	6.3	5.5	5.8	6.7	6.4	6.5	6.3	6.0	6.2
18	6.9	6.2	6.6	6.4	5.6	6.0	6.7	6.4	6.5	6.4	6.2	6.3
19	6.9	6.3	6.6	6.4	5.9	6.1	6.5	6.2	6.4	6.3	6.1	6.2
20	6.9	6.0	6.6	6.8	6.1	6.4	6.6	6.2	6.4	6.2	6.0	6.1
21	6.6	5.9	6.5	6.4	5.5	6.1	6.8	6.3	6.6	6.4	5.9	6.1
22	6.6	5.2	6.4	5.9	5.4	5.7	6.9	6.6	6.7	6.6	6.1	6.3
23	6.5	5.6	6.3	6.1	5.5	5.8	6.9	6.5	6.7	6.7	6.3	6.4
24	6.6	6.2	6.5	6.1	5.8	6.0	7.0	6.2	6.5	7.3	6.5	6.9
25	6.6	6.2	6.4	6.0	5.6	5.8	7.2	6.1	6.4	7.4	7.0	7.3
26	6.7	6.2	6.4	5.8	5.4	5.6	6.7	6.1	6.4	7.6	6.7	7.1
27	6.6	6.2	6.5	5.5	5.1	5.3	6.7	6.0	6.3	7.0	6.6	6.8
28	6.7	6.2	6.4	5.5	4.8	5.3	7.3	5.4	6.2	6.7	6.1	6.6
29	6.8	6.0	6.5	5.5	4.8	5.2	6.5	5.8	6.2	6.7	6.4	6.5
30	6.6	5.9	6.4	5.8	5.1	5.4	6.3	5.8	6.0	6.8	6.4	6.6
31	---	---	---	5.8	5.0	5.5	6.4	5.7	6.1	---	---	---
Month	6.9	5.2	6.4	7.0	4.8	6.0	7.3	5.1	6.2	7.6	5.2	6.2

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	94	76	85	78	73	75	89	86	88	91	88	90
2	100	78	84	82	74	78	88	85	86	88	86	87
3	87	75	82	83	78	80	89	85	87	88	86	88
4	91	75	83	84	78	80	88	85	87	89	86	88
5	118	87	101	80	77	78	86	83	85	90	88	89
6	91	76	85	79	76	78	87	83	86	94	88	91
7	89	74	85	80	78	79	86	83	85	97	93	95
8	92	74	85	82	79	80	88	85	86	97	95	96
9	85	76	81	83	80	81	88	86	87	98	95	97
10	86	73	79	85	81	83	90	87	88	99	95	97
11	82	70	77	85	82	83	91	87	90	100	93	98
12	84	71	76	87	82	84	93	89	90	100	92	98
13	79	69	74	86	81	84	93	88	91	98	94	96
14	78	68	75	87	83	84	93	90	92	95	93	94
15	84	71	77	87	84	85	93	90	91	95	91	93
16	82	73	77	86	82	84	90	89	90	92	89	91
17	82	72	77	87	83	85	89	87	88	92	90	91
18	87	72	78	87	83	85	87	86	87	93	91	92
19	83	70	75	86	84	85	90	87	88	96	93	94
20	85	71	79	87	84	85	90	89	90	97	94	95
21	87	75	79	88	84	85	90	89	89	97	95	96
22	85	75	79	88	84	86	91	89	90	97	96	97
23	84	75	79	90	84	87	91	89	90	100	97	98
24	82	73	77	90	86	88	93	90	91	101	95	99
25	79	73	77	87	86	87	93	90	92	101	98	99
26	78	71	75	87	84	85	93	91	92	101	98	100
27	81	74	78	87	83	85	93	91	92	101	98	100
28	80	73	78	89	85	87	91	89	91	103	98	101
29	78	73	75	88	86	87	93	91	92	103	98	100
30	76	70	74	90	87	88	93	91	92	104	99	102
31	---	---	---	---	---	---	93	91	92	106	96	103
Month	---	---	---	90	73	83	93	83	89	106	86	95

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	105	101	104	89	86	87	96	84	90	76	69	74
2	105	100	103	91	86	89	90	86	89	77	74	76
3	106	98	103	92	88	90	88	86	87	80	77	78
4	106	102	103	96	91	93	89	87	88	84	78	81
5	105	100	102	97	92	95	90	87	88	85	80	84
6	108	93	103	94	90	92	87	78	82	83	77	80
7	104	98	101	93	88	90	83	81	82	86	82	84
8	99	96	97	89	86	88	84	81	83	89	84	86
9	97	95	96	88	84	86	83	80	82	89	84	85
10	97	93	95	86	79	83	85	81	83	89	82	85
11	94	90	93	85	81	83	89	83	85	85	79	82
12	92	90	91	82	75	78	89	88	89	84	74	76
13	93	90	92	77	74	75	89	85	87	82	76	79
14	94	91	92	79	74	76	87	85	86	82	78	80
15	92	91	92	81	78	80	87	83	85	85	80	82
16	94	90	92	82	76	81	88	84	86	87	78	84
17	94	92	93	84	78	81	89	87	88	87	78	83
18	95	93	94	84	79	81	91	88	89	86	82	84
19	93	89	91	85	80	82	91	88	90	86	80	83
20	92	89	90	88	83	85	90	87	89	86	82	83
21	90	88	89	87	83	85	87	80	84	85	78	82
22	89	87	88	86	82	84	80	76	78	81	78	79
23	88	85	86	87	83	85	76	67	70	82	78	79
24	88	85	87	86	83	84	67	63	65	81	77	79
25	90	86	88	98	83	90	66	62	63	85	76	80
26	90	87	89	95	84	87	65	59	62	84	77	81
27	90	88	89	87	84	86	64	60	62	84	80	82
28	89	85	87	89	84	86	67	62	64	85	79	81
29	87	84	86	89	86	88	67	62	65	80	73	76
30	---	---	---	87	83	86	72	66	68	77	72	74
31	---	---	---	86	84	85	---	---	---	76	73	74
Month	108	84	94	98	74	85	96	59	80	89	69	81

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	77	75	76	87	80	84	79	71	75	86	76	80
2	76	69	75	89	82	85	82	73	79	83	76	81
3	77	73	75	92	81	86	81	74	79	83	76	79
4	79	73	75	89	83	86	80	70	75	81	74	78
5	81	74	78	87	82	85	79	68	75	82	75	79
6	83	76	80	86	80	84	81	72	76	84	78	80
7	84	77	80	84	79	81	83	72	78	80	76	78
8	85	79	81	81	78	80	86	77	82	76	71	74
9	84	78	81	81	73	77	87	78	83	73	70	71
10	85	78	81	78	71	74	84	79	81	73	66	70
11	84	77	80	76	74	75	82	74	79	82	65	72
12	84	78	81	78	72	75	81	75	78	76	66	70
13	85	80	83	77	74	76	80	76	78	76	69	72
14	87	80	83	77	72	76	81	74	77	78	68	72
15	86	78	82	78	70	75	83	76	80	76	67	72
16	87	78	83	79	71	75	85	80	82	76	71	73
17	88	80	84	82	71	76	85	80	83	80	75	78
18	89	79	84	83	72	77	85	81	82	80	77	79
19	89	80	85	84	76	80	82	79	81	79	76	77
20	89	77	85	89	79	84	85	79	81	76	73	74
21	85	76	84	84	73	80	88	80	85	78	71	74
22	84	66	81	78	71	75	88	84	86	80	73	75
23	83	71	80	80	72	76	88	83	85	79	75	76
24	84	78	82	80	75	78	90	79	83	85	76	80
25	85	79	82	78	72	75	92	78	82	85	80	84
26	87	80	83	75	69	72	86	78	82	90	78	83
27	86	81	84	71	65	68	85	77	81	81	77	79
28	88	81	84	71	61	68	94	69	79	79	71	77
29	90	79	86	72	62	68	83	74	78	79	75	77
30	87	78	84	77	66	71	81	74	77	79	75	77
31	---	---	---	78	66	72	82	73	77	---	---	---
Month	90	66	81	92	61	77	94	68	80	90	65	76