



Water-Data Report 2010

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, NC

Cape Fear Basin
Deep Subbasin

LOCATION.--Lat 35°44'06", long 79°25'24" referenced to North American Datum of 1927, Chatham County, NC, Hydrologic Unit 03030003, on U.S. Highway 64, 1.6 mi east of Siler City.

DRAINAGE AREA.--68.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 2009 to current year.

GAGE.--Water-stage recorder. Datum of gage is 482.9 above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for period of record and current water year also occurred October 23, 24.

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.23	1.5	14	42	39	37	47	9.0	9.1	4.4	4.0	1.3
2	0.23	0.33	271	36	69	36	36	8.9	5.7	4.1	3.8	1.1
3	0.22	0.33	1,010	28	476	91	30	8.8	5.3	3.9	3.5	0.84
4	0.21	0.33	147	22	370	226	27	9.0	5.3	3.7	3.3	0.88
5	0.22	0.33	81	20	1,480	190	23	8.8	5.3	3.6	4.4	0.87
6	0.21	0.33	78	19	1,850	95	20	8.8	5.2	3.4	3.3	0.82
7	0.20	0.33	47	17	286	64	19	17	5.0	3.3	3.1	0.79
8	0.19	0.33	34	18	143	51	17	8.9	4.8	3.1	2.8	0.81
9	0.19	0.35	774	17	106	44	17	7.8	4.7	3.0	2.7	0.83
10	0.19	1.0	273	16	134	40	14	7.9	4.4	2.8	2.6	0.68
11	0.19	124	82	15	86	39	13	8.0	4.3	2.7	2.5	0.73
12	0.20	166	48	15	64	41	12	8.0	4.1	2.6	2.3	0.78
13	0.19	311	75	15	62	436	11	8.2	4.1	2.5	2.1	0.71
14	0.20	106	118	15	60	199	11	8.1	4.0	2.5	1.3	0.69
15	0.20	42	67	15	56	100	11	8.0	4.1	2.3	1.0	0.83
16	0.19	24	44	15	60	64	11	8.0	4.0	2.2	0.98	0.65
17	0.19	16	32	476	53	50	11	11	5.2	2.3	1.1	0.54
18	0.18	11	31	294	45	44	11	15	4.9	2.3	1.7	0.61
19	0.17	9.3	327	100	40	39	10	123	4.5	2.4	2.0	0.56
20	0.17	7.7	200	58	37	34	9.5	57	4.4	2.3	2.2	0.66
21	0.17	7.1	92	59	35	32	9.7	19	4.4	2.2	2.1	0.69
22	0.16	7.8	59	234	54	33	9.6	11	4.2	2.2	2.0	0.74
23	0.16	359	43	109	94	31	9.4	27	3.8	2.2	2.0	0.86
24	0.20	231	34	62	79	27	9.4	19	3.8	2.4	1.9	0.82
25	0.20	64	496	1,010	104	25	12	15	4.7	3.3	1.5	0.76
26	0.20	35	656	232	71	27	11	10	4.5	3.2	0.70	0.98
27	0.30	29	152	89	53	26	10	7.5	4.5	24	0.43	3.7
28	1.7	24	77	56	45	25	9.7	6.9	4.4	5.2	0.95	2.5
29	0.24	19	50	43	---	548	9.5	6.7	4.3	4.7	1.5	4.9
30	0.24	14	37	55	---	196	9.5	6.7	4.5	4.4	1.6	282
31	0.25	---	38	48	---	76	---	6.6	---	4.1	1.6	---
Total	7.79	1,612.06	5,487	3,250	6,051	2,966	460.3	484.6	141.5	117.3	66.96	313.63
Mean	0.25	53.7	177	105	216	95.7	15.3	15.6	4.72	3.78	2.16	10.5
Max	1.7	359	1,010	1,010	1,850	548	47	123	9.1	24	4.4	282
Min	0.16	0.33	14	15	35	25	9.4	6.6	3.8	2.2	0.43	0.54
Cfsm	0.00	0.78	2.58	1.53	3.15	1.39	0.22	0.23	0.07	0.06	0.03	0.15
In.	0.00	0.87	2.97	1.76	3.28	1.61	0.25	0.26	0.08	0.06	0.04	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2009 - 2010, BY WATER YEAR (WY)

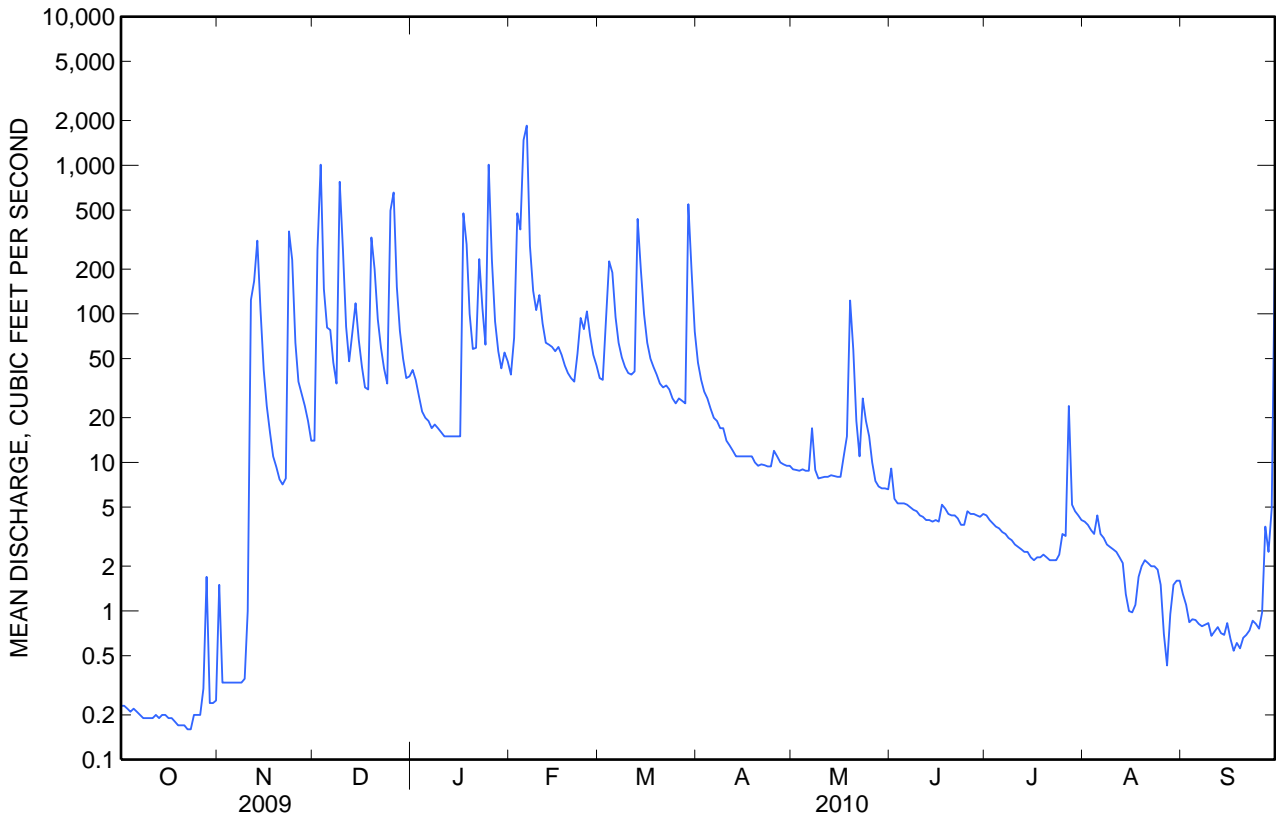
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.25	53.7	177	105	123	148	35.5	11.6	12.5	2.57	1.55	5.41
Max	0.25	53.7	177	105	216	200	55.6	15.6	20.3	3.78	2.16	10.5
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2010)	(2009)	(2010)	(2010)	(2010)
Min	0.25	53.7	177	105	30.8	95.7	15.3	7.53	4.72	1.36	0.95	0.36
(WY)	(2010)	(2010)	(2010)	(2010)	(2009)	(2010)	(2010)	(2009)	(2010)	(2009)	(2009)	(2009)

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SUMMARY STATISTICS

	Water Year 2010		Water Years 2009 - 2010	
Annual total	20,958.14			
Annual mean	57.4		57.4	
Highest annual mean			57.4	2010
Lowest annual mean			57.4	2010
Highest daily mean	1,850	Feb 6	1,850	Feb 6, 2010
Lowest daily mean	0.16	Oct 22	0.16	Oct 22, 2009
Annual seven-day minimum	0.17	Oct 17	0.17	Oct 17, 2009
Maximum peak flow	4,650	Feb 5	4,650	Feb 5, 2010
Maximum peak stage	15.20	Feb 5	15.20	Feb 5, 2010
Instantaneous low flow	^a 0.15	Oct 22	^a 0.15	Oct 22, 2009
Annual runoff (cfsm)	0.836		0.836	
Annual runoff (inches)	11.35		11.36	
10 percent exceeds	113		113	
50 percent exceeds	9.0		9.0	
90 percent exceeds	0.33		0.33	

^a See Remarks



02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2009 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2009 to current year.

pH: January 2009 to current year.

WATER TEMPERATURE: January 2009 to current year.

DISSOLVED OXYGEN: January 2009 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: January 2009 to current year.

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

REMARKS.--The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 153 microsiemens, August 16, 2010; minimum recorded, 40 microsiemens, September 30, 2010.

pH: Maximum recorded, 7.4 standard units, February 13, 2009; minimum recorded, 5.8 standard units, June 20, 21, 22, 24, 25, 2010.

WATER TEMPERATURE: Maximum recorded, 31.5°C, July 23, 2010; minimum recorded, 2.1°C, January 13, 14, 2010.

DISSOLVED OXYGEN: Maximum recorded, 14.1 mg/L, March 3, 2009; minimum recorded, 0.1, August 14, 2010.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 119%, June 19, 2009, October 1, 2010; minimum recorded, 1%, August 14, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 153 microsiemens, August 16; minimum recorded, 40 microsiemens, September 30.

pH: Maximum recorded, 7.2 standard units, October 1, December 6; minimum recorded, 5.8 standard units, June 20, 21, 22, 24, 25.

WATER TEMPERATURE: Maximum recorded, 31.5°C, July 23; minimum recorded, 2.1°C, January 13, 14.

DISSOLVED OXYGEN: Maximum recorded, 13.3 mg/L, February 6; minimum recorded, 0.1, August 14.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 119%, October 1; minimum recorded, 1%, August 14.

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	116	114	115	118	108	112	80	80	80	77	77	77
2	114	111	113	113	108	110	81	51	77	77	76	77
3	115	112	113	111	106	108	76	51	71	77	76	76
4	114	110	112	107	103	105	73	71	72	78	76	77
5	112	108	110	105	102	104	75	73	74	78	77	77
6	113	109	111	103	100	101	76	74	75	79	78	78
7	114	111	112	100	98	99	75	75	75	79	78	78
8	115	111	113	100	98	99	76	74	75	79	78	79
9	113	111	112	99	98	98	77	64	71	80	79	79
10	115	112	114	99	85	96	72	71	71	81	79	80
11	115	112	114	103	47	84	72	71	72	81	79	80
12	116	112	114	68	60	64	72	72	72	81	80	80
13	116	114	115	73	60	66	75	72	73	81	80	80
14	116	112	114	82	71	78	76	72	73	82	80	80
15	114	112	113	84	82	83	73	72	72	82	81	81
16	115	112	113	85	84	84	74	72	74	82	80	81
17	114	111	112	84	84	84	74	74	74	85	68	76
18	113	111	112	85	84	84	83	74	75	74	73	74
19	113	111	112	86	84	85	85	68	74	74	74	74
20	114	112	113	86	85	85	72	70	71	75	74	74
21	115	112	113	86	84	85	72	71	72	77	74	74
22	115	113	114	87	85	86	73	72	72	78	72	74
23	117	114	115	87	65	78	74	72	73	76	74	75
24	118	114	117	76	74	75	75	73	74	78	76	77
25	118	116	117	78	76	77	75	54	71	78	57	73
26	118	116	117	78	77	78	74	68	72	---	---	---
27	119	109	116	79	78	79	75	74	74	---	---	---
28	119	105	114	80	79	79	75	74	75	---	---	---
29	119	117	118	80	80	80	76	75	76	77	76	76
30	119	117	118	80	80	80	76	76	76	77	76	76
31	119	116	117	---	---	---	77	76	76	80	75	76
Month	119	105	114	118	47	88	85	51	74	---	---	---

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	82	77	80	70	68	69	80	78	79	99	96	97
2	127	82	93	71	69	69	80	79	80	98	97	98
3	101	72	80	89	70	74	81	80	80	98	97	98
4	76	73	75	78	71	73	82	80	81	98	97	98
5	77	57	70	72	70	71	84	81	83	97	91	96
6	68	52	56	74	72	73	85	83	84	96	94	95
7	52	52	52	76	74	75	86	84	85	98	95	96
8	53	52	52	78	75	76	87	85	86	99	97	98
9	55	53	54	78	76	77	88	86	87	99	98	98
10	58	55	56	80	77	78	88	84	87	99	98	98
11	55	54	55	80	78	79	89	87	88	99	98	98
12	56	55	56	82	79	81	---	---	---	100	98	99
13	59	56	57	84	68	76	---	---	---	100	99	99
14	60	58	59	78	76	77	88	86	86	100	98	99
15	61	59	60	81	77	79	90	86	87	99	98	98
16	62	60	61	82	80	81	88	86	87	100	98	99
17	62	60	61	82	82	82	89	87	87	99	97	98
18	62	60	61	83	82	82	89	88	88	102	98	101
19	62	61	61	84	83	83	89	88	89	101	71	91
20	63	61	62	85	80	84	89	88	89	90	77	88
21	64	62	63	85	83	84	90	89	89	90	90	90
22	74	62	65	86	84	85	90	89	90	90	88	90
23	69	63	67	86	84	85	90	88	89	90	84	87
24	67	62	64	87	86	86	90	88	89	89	86	89
25	70	66	68	87	86	87	91	88	89	89	85	87
26	68	65	66	87	85	86	92	90	91	87	85	86
27	67	66	67	88	86	86	93	91	92	89	87	87
28	68	67	68	88	86	87	92	90	92	90	88	88
29	---	---	---	91	81	85	93	91	92	90	89	89
30	---	---	---	81	78	79	96	92	94	92	90	91
31	---	---	---	79	78	78	---	---	---	94	91	93
Month	127	52	64	91	68	80	---	---	---	102	71	94

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	95	92	93	110	106	107	109	103	107	131	128	129
2	99	95	97	112	108	110	111	107	109	132	128	130
3	99	96	98	113	107	110	115	110	113	129	128	129
4	97	96	97	111	106	108	121	115	118	130	127	129
5	97	96	96	108	106	107	123	113	121	129	127	128
6	97	94	96	109	106	107	123	114	118	129	127	128
7	97	95	96	110	105	107	119	116	117	129	128	129
8	98	94	96	107	104	106	122	119	120	130	128	129
9	101	97	99	106	100	105	126	121	123	132	129	131
10	102	98	101	107	102	105	128	125	126	133	128	131
11	103	99	101	106	104	105	128	126	127	132	127	130
12	103	93	101	108	106	106	129	126	128	131	127	129
13	106	97	103	108	104	107	131	128	129	131	128	130
14	104	100	103	108	102	106	138	130	134	131	130	130
15	104	89	101	108	106	107	148	138	142	132	130	131
16	129	99	109	111	108	109	153	144	147	133	131	132
17	128	110	116	112	103	110	151	139	146	134	132	133
18	110	103	107	111	108	109	143	134	138	135	133	134
19	106	97	103	111	108	110	137	112	133	136	134	135
20	101	95	98	112	110	111	127	122	125	137	135	136
21	97	91	95	114	109	112	128	124	126	138	136	137
22	97	92	95	115	113	114	126	123	125	140	137	138
23	98	95	97	118	114	116	126	123	124	141	139	140
24	99	96	98	119	116	118	126	122	125	142	139	141
25	103	98	100	122	118	119	129	126	126	142	140	141
26	107	103	105	122	120	121	135	128	131	142	126	139
27	108	104	106	123	72	111	134	131	132	132	117	126
28	108	103	106	100	72	87	134	125	130	117	107	111
29	107	104	106	102	99	100	129	126	127	110	102	108
30	107	105	106	107	100	104	130	127	128	102	40	67
31	---	---	---	109	103	107	130	127	128	---	---	---
Month	129	89	101	123	72	108	153	103	127	142	40	129

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	7.2	6.6	6.6	6.6	6.4	6.5	7.0	7.0	7.0	6.7	6.6	6.7
2	6.9	6.5	6.6	6.6	6.5	6.5	7.0	6.6	7.0	6.7	6.6	6.7
3	6.9	6.6	6.6	6.7	6.5	6.5	7.1	6.6	7.0	6.7	6.6	6.7
4	6.9	6.6	6.6	6.7	6.5	6.6	7.1	7.0	7.1	6.7	6.6	6.7
5	6.7	6.6	6.6	6.7	6.5	6.6	7.1	7.0	7.1	6.7	6.6	6.7
6	6.7	6.6	6.6	6.8	6.5	6.6	7.2	7.0	7.1	6.7	6.6	6.7
7	6.8	6.6	6.6	6.8	6.6	6.6	7.1	7.0	7.1	6.7	6.6	6.7
8	6.8	6.4	6.6	6.7	6.5	6.6	7.1	7.0	7.1	6.6	6.6	6.6
9	6.6	6.4	6.5	6.8	6.5	6.6	7.0	6.9	6.9	6.6	6.6	6.6
10	6.6	6.4	6.4	6.7	6.6	6.6	6.9	6.8	6.9	6.6	6.6	6.6
11	6.8	6.4	6.5	6.8	6.5	6.6	6.8	6.6	6.7	6.7	6.6	6.6
12	6.6	6.4	6.5	6.5	6.3	6.4	6.7	6.6	6.7	6.7	6.6	6.6
13	6.6	6.4	6.5	6.6	6.3	6.5	6.7	6.6	6.6	6.6	6.6	6.6
14	6.5	6.4	6.5	6.8	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6
15	6.6	6.5	6.5	6.9	6.7	6.8	6.7	6.7	6.7	6.6	6.5	6.6
16	6.6	6.5	6.5	6.8	6.6	6.7	6.7	6.7	6.7	6.6	6.6	6.6
17	6.7	6.5	6.6	6.9	6.7	6.8	6.7	6.6	6.7	6.6	6.4	6.5
18	6.7	6.5	6.6	6.8	6.6	6.7	6.7	6.6	6.7	6.6	6.5	6.6
19	6.8	6.6	6.7	6.7	6.6	6.6	6.6	6.5	6.6	6.6	6.4	6.5
20	6.8	6.7	6.7	6.8	6.5	6.6	6.6	6.6	6.6	6.5	6.4	6.4
21	6.8	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.4	6.4	6.4
22	6.8	6.6	6.7	6.8	6.7	6.7	6.7	6.6	6.6	6.4	6.3	6.4
23	6.8	6.6	6.6	6.7	6.5	6.6	6.7	6.6	6.7	6.4	6.3	6.4
24	6.7	6.5	6.6	6.8	6.6	6.7	6.7	6.6	6.7	6.4	6.3	6.4
25	6.7	6.5	6.6	6.8	6.8	6.8	6.7	6.4	6.7	6.4	6.2	6.3
26	6.7	6.5	6.6	6.9	6.8	6.8	6.7	6.5	6.6	---	---	---
27	6.7	6.6	6.6	6.9	6.8	6.8	6.7	6.6	6.6	---	---	---
28	6.7	6.5	6.6	7.0	6.9	6.9	6.7	6.6	6.7	---	---	---
29	6.7	6.5	6.6	6.9	6.9	6.9	6.7	6.6	6.7	6.5	6.5	6.5
30	6.6	6.5	6.6	7.1	6.9	7.0	6.7	6.6	6.7	6.5	6.5	6.5
31	6.7	6.5	6.5	---	---	---	6.7	6.6	6.7	6.6	6.5	6.5
Max	7.2	6.7	6.7	7.1	6.9	7.0	7.2	7.0	7.1	---	---	---
Min	6.5	6.4	6.4	6.5	6.3	6.4	6.6	6.4	6.6	---	---	---

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	6.6	6.5	6.6	6.6	6.5	6.5	6.8	6.5	6.6	6.1	6.0	6.1
2	6.6	6.5	6.6	6.6	6.5	6.6	7.0	6.5	6.6	6.4	6.1	6.4
3	6.5	6.4	6.4	6.6	6.5	6.5	6.8	6.5	6.5	6.4	6.3	6.3
4	6.5	6.4	6.5	6.6	6.5	6.6	6.7	6.4	6.5	6.3	6.3	6.3
5	6.5	6.2	6.4	6.6	6.5	6.6	6.6	6.3	6.4	6.5	6.2	6.4
6	6.3	6.2	6.2	6.6	6.6	6.6	6.6	6.3	6.4	6.4	6.3	6.3
7	6.3	6.2	6.3	6.8	6.6	6.6	6.6	6.3	6.4	6.8	6.3	6.6
8	6.3	6.3	6.3	6.8	6.6	6.7	6.5	6.2	6.3	6.5	6.4	6.5
9	6.3	6.3	6.3	6.8	6.6	6.7	6.4	6.2	6.3	6.5	6.4	6.4
10	6.4	6.3	6.3	6.9	6.6	6.7	6.5	6.2	6.3	6.5	6.3	6.4
11	6.4	6.3	6.4	7.0	6.6	6.7	6.5	6.2	6.3	6.4	6.3	6.4
12	6.4	6.3	6.4	6.9	6.6	6.7	---	---	---	6.4	6.3	6.3
13	6.4	6.4	6.4	6.7	6.4	6.6	---	---	---	6.4	6.3	6.4
14	6.4	6.4	6.4	6.7	6.6	6.7	6.8	6.5	6.6	6.4	6.3	6.4
15	6.4	6.4	6.4	6.7	6.6	6.6	6.8	6.5	6.6	6.5	6.4	6.5
16	---	---	---	6.8	6.6	6.7	6.8	6.6	6.6	6.5	6.4	6.4
17	6.4	6.3	6.4	6.8	6.5	6.6	6.7	6.6	6.6	6.6	6.4	6.4
18	6.4	6.4	6.4	6.9	6.5	6.6	6.7	6.5	6.6	6.7	6.4	6.6
19	6.4	6.4	6.4	6.8	6.5	6.6	6.7	6.5	6.5	6.6	6.4	6.5
20	6.5	6.4	6.4	6.9	6.5	6.6	6.6	6.4	6.5	6.9	6.4	6.8
21	6.5	6.4	6.4	6.9	6.5	6.5	6.5	6.4	6.5	6.8	6.7	6.8
22	6.5	6.4	6.4	6.8	6.4	6.5	6.6	6.3	6.4	6.8	6.7	6.7
23	6.5	6.4	6.4	6.9	6.4	6.5	6.4	6.3	6.3	6.9	6.6	6.8
24	6.5	6.4	6.4	7.0	6.4	6.5	6.3	6.2	6.3	6.7	6.5	6.7
25	6.5	6.4	6.5	7.0	6.4	6.5	6.3	6.2	6.2	6.6	6.5	6.5
26	6.6	6.5	6.5	7.0	6.5	6.6	6.2	6.1	6.2	6.6	6.4	6.5
27	6.6	6.5	6.5	7.1	6.5	6.6	6.2	6.1	6.1	6.5	6.3	6.4
28	6.6	6.5	6.5	6.8	6.5	6.5	6.1	6.0	6.1	6.4	6.3	6.3
29	---	---	---	6.5	6.3	6.5	6.1	6.0	6.0	6.4	6.3	6.3
30	---	---	---	6.6	6.5	6.6	6.1	6.0	6.1	6.3	6.2	6.3
31	---	---	---	6.6	6.5	6.6	---	---	---	6.3	6.2	6.3
Max	---	---	---	7.1	6.6	6.7	---	---	---	6.9	6.7	6.8
Min	---	---	---	6.5	6.3	6.5	---	---	---	6.1	6.0	6.1

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	6.5	6.2	6.4	6.5	6.4	6.5	6.8	6.7	6.8	6.8	6.8	6.8
2	6.3	6.1	6.2	6.6	6.4	6.6	6.8	6.7	6.7	6.9	6.8	6.8
3	6.2	6.1	6.1	6.6	6.5	6.6	6.8	6.7	6.7	6.9	6.8	6.8
4	6.2	6.1	6.1	6.5	6.4	6.5	6.8	6.7	6.7	6.9	6.8	6.8
5	6.2	6.1	6.1	6.5	6.4	6.4	7.0	6.8	6.8	6.9	6.8	6.8
6	6.2	6.1	6.1	6.6	6.4	6.4	7.0	6.9	6.9	6.8	6.8	6.8
7	6.2	6.0	6.1	6.6	6.4	6.5	7.0	6.9	6.9	6.8	6.8	6.8
8	6.0	6.0	6.0	6.6	6.4	6.6	6.9	6.8	6.9	6.8	6.8	6.8
9	6.0	6.0	6.0	6.6	6.5	6.6	7.0	6.8	7.0	6.9	6.8	6.8
10	6.0	6.0	6.0	6.6	6.5	6.6	7.0	6.9	7.0	6.9	6.8	6.9
11	6.1	6.0	6.0	6.6	6.5	6.6	7.0	6.9	7.0	6.9	6.8	6.9
12	6.1	6.0	6.0	6.6	6.5	6.6	7.0	6.9	6.9	6.9	6.8	6.8
13	6.2	6.0	6.0	6.6	6.5	6.5	6.9	6.8	6.9	6.9	6.8	6.8
14	6.1	6.0	6.1	6.7	6.5	6.6	6.8	6.8	6.8	6.8	6.8	6.8
15	6.2	6.0	6.1	6.7	6.6	6.6	6.9	6.8	6.8	6.8	6.8	6.8
16	6.1	5.9	6.0	6.7	6.6	6.7	6.9	6.8	6.9	6.9	6.8	6.8
17	6.0	5.9	5.9	6.7	6.6	6.6	7.0	6.8	6.9	6.8	6.8	6.8
18	6.0	5.9	5.9	6.7	6.6	6.6	6.9	6.8	6.9	6.8	6.8	6.8
19	6.0	5.9	5.9	6.7	6.6	6.6	7.0	6.8	6.8	6.9	6.8	6.8
20	5.9	5.8	5.9	6.8	6.6	6.7	6.9	6.8	6.8	6.8	6.8	6.8
21	5.9	5.8	5.8	6.8	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8
22	6.0	5.8	5.9	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.8	6.8
23	6.0	5.9	5.9	6.8	6.7	6.8	7.0	6.8	6.9	6.9	6.8	6.8
24	6.0	5.8	5.9	6.8	6.7	6.8	7.0	6.9	7.0	7.1	6.8	7.0
25	5.9	5.8	5.8	6.8	6.8	6.8	7.0	6.9	6.9	7.1	7.0	7.1
26	6.1	5.9	6.0	6.9	6.8	6.9	6.9	6.8	6.9	7.1	7.0	7.1
27	6.2	5.9	6.1	7.0	6.5	6.9	6.9	6.8	6.8	7.1	6.9	7.0
28	6.3	6.2	6.2	6.7	6.4	6.6	6.9	6.8	6.8	7.0	6.8	6.9
29	6.5	6.3	6.5	6.6	6.6	6.6	6.9	6.8	6.8	6.9	6.8	6.8
30	6.5	6.5	6.5	6.8	6.6	6.7	6.9	6.8	6.8	7.0	6.6	6.8
31	---	---	---	6.8	6.7	6.8	6.9	6.8	6.8	---	---	---
Max	6.5	6.5	6.5	7.0	6.8	6.9	7.0	6.9	7.0	7.1	7.0	7.1
Min	5.9	5.8	5.8	6.5	6.4	6.4	6.8	6.7	6.7	6.8	6.6	6.8

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	20.9	16.1	18.0	18.3	14.2	16.2	9.5	8.4	9.0	5.8	5.0	5.5
2	19.6	15.6	17.7	15.9	13.1	14.3	12.1	8.8	9.4	5.7	4.7	5.3
3	22.5	17.1	19.1	16.9	11.2	13.6	12.1	10.8	11.2	4.7	3.4	4.0
4	20.2	15.5	17.8	15.1	10.3	12.6	11.1	10.3	10.5	3.7	3.0	3.3
5	18.5	16.9	17.7	15.4	10.1	12.1	10.8	10.0	10.6	3.2	2.7	2.9
6	18.6	17.4	17.9	14.2	8.8	10.9	10.0	8.7	9.2	3.0	2.4	2.6
7	23.4	17.8	19.7	13.8	7.9	10.4	9.0	8.4	8.6	3.1	2.4	2.7
8	20.5	15.4	17.8	14.8	8.8	11.4	8.4	8.0	8.1	3.0	2.6	2.8
9	20.6	16.3	18.4	14.5	9.3	11.9	9.4	7.5	8.6	3.2	2.5	2.7
10	21.5	19.7	20.4	13.2	11.9	12.5	9.4	8.7	9.1	3.4	2.6	2.9
11	20.2	17.9	18.9	13.2	12.1	12.5	8.7	7.0	7.8	3.4	2.6	2.9
12	18.1	16.4	17.0	12.1	10.4	11.1	7.0	6.5	6.8	3.0	2.3	2.6
13	20.7	15.6	17.7	11.4	10.2	10.8	6.8	6.2	6.4	3.0	2.1	2.4
14	17.8	14.4	15.9	12.1	11.4	11.8	7.6	6.7	7.1	3.1	2.1	2.6
15	14.7	13.5	14.1	12.8	11.9	12.3	8.1	7.6	7.9	3.7	2.6	3.0
16	15.8	13.6	14.6	12.4	11.7	12.1	8.2	7.7	7.9	3.6	2.9	3.2
17	15.4	13.0	14.0	13.0	11.6	12.2	7.7	6.5	7.2	5.8	3.1	4.4
18	13.2	11.3	12.4	12.6	12.2	12.3	6.5	5.4	6.0	6.2	5.6	5.9
19	15.2	9.6	12.0	13.0	12.6	12.7	5.8	4.3	5.1	6.2	5.7	5.9
20	15.9	9.2	12.0	13.1	11.8	12.5	5.7	5.3	5.5	7.2	6.0	6.6
21	16.3	10.1	12.9	12.4	11.3	11.8	5.6	4.9	5.2	6.9	6.5	6.7
22	16.8	10.7	13.5	11.8	10.8	11.4	5.3	4.6	5.0	6.6	5.6	5.9
23	18.3	13.5	15.7	11.9	10.6	11.3	5.1	4.3	4.7	6.2	5.8	6.0
24	18.9	16.8	18.0	11.8	11.5	11.6	4.9	4.4	4.7	7.0	6.2	6.5
25	16.8	13.8	14.9	11.9	11.5	11.8	7.4	4.8	5.6	11.7	7.0	9.1
26	15.5	12.2	13.9	11.8	11.2	11.5	6.5	5.9	6.3	---	---	---
27	14.9	13.9	14.4	11.3	10.1	10.8	6.3	5.8	6.0	---	---	---
28	20.2	14.7	16.7	10.4	9.5	10	6.2	5.4	5.8	---	---	---
29	18.4	13.4	15.7	9.8	9.0	9.4	5.6	4.8	5.3	7.6	7.0	7.3
30	16.2	15.0	15.5	9.9	9.0	9.4	4.8	4.4	4.6	7.3	4.1	5.8
31	19.4	15.4	17.0	---	---	---	5.0	4.5	4.7	4.2	3.2	3.8
Month	23.4	9.2	16.2	18.3	7.9	11.8	12.1	4.3	7.1	---	---	---

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	4.5	3.6	4.1	7.2	6.0	6.5	17.4	14.4	15.8	19.6	17.0	18.2
2	4.4	4.1	4.2	6.7	5.7	6.4	18.5	15.8	17.0	21.2	18.4	19.7
3	5.5	3.4	4.6	6.0	4.5	5.4	18.5	17.1	17.8	20.1	19.8	20.0
4	5.6	4.9	5.2	6.9	4.6	5.7	19.4	17.0	18.0	20.7	19.8	20.1
5	5.5	3.9	4.8	6.8	5.5	6.1	18.9	17.1	18.1	21.6	19.1	20.3
6	4.1	3.5	3.7	6.8	6.2	6.5	20.8	18.8	19.7	22.4	19.9	21.0
7	4.1	3.3	3.6	8.0	6.1	7.0	21.3	19.7	20.4	23.0	20.3	21.6
8	4.2	3.4	3.8	8.9	6.4	7.6	21.2	20.0	20.4	22.8	21.0	21.8
9	4.4	4.1	4.2	9.1	7.6	8.4	20.7	18.8	19.8	22.2	20.1	21.0
10	4.3	3.9	4.2	10.5	9.1	9.7	20.1	17.7	18.8	20.9	19.3	20.1
11	3.9	3.6	3.8	11.2	10.5	10.9	19.1	16.7	17.8	19.6	19.0	19.2
12	4.4	3.6	4.0	12.3	10.7	11.3	---	---	---	20.4	18.8	19.5
13	4.3	3.4	3.8	12.8	10.8	11.7	---	---	---	21.4	18.9	20.0
14	4.5	3.5	4.0	13.0	11.9	12.6	17.4	16.7	17.0	21.6	19.7	20.5
15	4.5	3.6	4.0	13.0	11.8	12.4	18.2	16.0	17.1	22.5	20.2	21.2
16	4.6	3.8	4.2	12.5	11.7	12.1	18.8	16.0	17.3	23.0	21.0	21.9
17	4.5	3.6	4.1	12.5	11.1	11.7	18.8	16.7	17.6	22.5	21.7	21.9
18	4.5	3.6	4.1	13.2	11.2	12.0	18.7	16.3	17.5	21.7	20.1	20.9
19	5.1	4.2	4.5	13.2	11.5	12.4	18.3	16.0	17.1	20.3	17.5	18.7
20	5.8	4.3	4.9	13.5	12.1	12.8	17.8	15.8	16.8	21.4	17.5	20.2
21	6.0	4.7	5.3	14.1	13.2	13.7	17.1	16.2	16.6	21.9	20.0	21.0
22	6.2	5.2	5.8	14.3	13.3	13.9	18.1	15.6	16.7	22.1	21.2	21.6
23	7.1	6.0	6.6	14.5	12.8	13.4	17.4	15.7	16.5	22.6	21.2	21.8
24	7.7	7.1	7.5	14.7	12.7	13.5	17.7	16.2	16.8	22.0	21.1	21.5
25	7.4	6.3	6.9	14.2	13.1	13.5	18.5	16.6	17.4	22.3	20.9	21.5
26	6.5	5.6	6.1	15.0	13.6	14.2	19.2	17.2	18.0	23.8	20.9	22.2
27	6.7	5.3	6.0	15.0	12.9	13.9	18.5	17.2	17.8	23.8	21.0	22.3
28	6.7	5.6	6.3	13.6	12.7	13.1	18.6	16.6	17.5	23.6	21.7	22.6
29	---	---	---	14.7	12.6	13.7	18.6	15.9	17.1	23.2	21.9	22.4
30	---	---	---	15.0	13.8	14.3	19.0	15.9	17.3	23.9	22.2	22.9
31	---	---	---	15.5	14.7	15.1	---	---	---	23.8	22.5	23.0
Month	7.7	3.3	4.8	15.5	4.5	11.0	---	---	---	23.9	17.0	21.0

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	24.5	22.6	23.4	27.8	25.8	26.9	25.7	24.9	25.2	28.7	24.5	26.5
2	24.2	22.8	23.3	27.3	24.8	25.9	25.7	24.7	25.1	28.4	24.0	26.1
3	24.3	22.7	23.3	26.5	23.9	25.1	26.6	24.5	25.5	28.4	25.5	26.6
4	24.9	22.8	23.7	26.6	23.5	24.9	27.6	25.2	26.2	27.0	24.4	25.6
5	25.5	23.4	24.2	27.0	23.5	25.1	28.7	26.1	27.0	25.7	22.5	24.1
6	25.9	23.7	24.6	27.6	23.8	25.5	28.3	26.0	26.9	25.5	22.3	23.8
7	25.9	23.6	24.5	28.2	24.2	26.0	28.6	26.2	27.2	25.9	23.1	24.4
8	26.2	23.4	24.6	28.3	25.0	26.5	28.8	26.4	27.4	25.6	23.8	24.6
9	25.3	23.5	24.3	27.9	25.5	26.7	29.2	26.4	27.7	26.3	22.1	24.0
10	25.9	23.8	24.6	28.5	26.1	27.1	30.1	27.1	28.3	25.2	20.9	22.8
11	26.9	23.6	25.0	28.8	26.1	27.2	30.7	27.7	29.0	23.2	21.7	22.4
12	27.1	23.7	25.0	27.4	26.2	26.7	30.3	27.9	29.0	25.6	22.1	23.5
13	27.0	24.3	25.3	27.3	26.1	26.5	29.9	27.6	28.6	25.2	21.0	22.8
14	27.8	24.7	25.7	28.5	25.7	26.9	29.1	27.2	28.1	25.2	20.3	22.6
15	28.4	24.8	26.1	29.3	26.0	27.5	29.1	26.8	27.9	25.3	20.8	23.0
16	26.9	24.8	25.8	30.2	26.7	28.1	29.6	26.8	28.0	25.7	21.6	23.4
17	27.6	25.4	26.3	29.0	26.7	27.4	30.0	26.5	28.3	25.6	22.7	24.0
18	27.3	24.9	25.9	28.8	26.2	27.2	30.6	27.8	29.0	26.0	22.5	24.0
19	27.1	24.8	25.8	28.9	26.2	27.3	28.6	26.6	27.5	25.5	20.9	23.1
20	27.8	25.1	26.2	30.0	26.6	27.9	29.6	26.4	27.7	25.9	21.4	23.5
21	28.3	25.0	26.4	30.4	27.2	28.5	29.4	26.1	27.6	25.7	22.2	23.7
22	28.0	25.3	26.5	31.2	27.6	29.1	28.8	26.5	27.5	26.7	23.1	24.7
23	29.2	25.7	26.9	31.5	28.5	29.7	29.3	26.4	27.7	27.4	23.7	25.3
24	29.5	25.9	27.4	31.4	28.6	29.6	28.0	26.0	26.8	27.7	24.2	25.6
25	29.4	26.8	27.9	31.4	28.7	29.7	26.8	25.0	25.8	27.4	23.6	25.1
26	28.7	26.8	27.7	30.2	28.2	29.2	28.7	24.2	26.0	24.9	22.7	23.8
27	29.8	26.8	28.1	29.0	25.1	27.8	28.8	23.7	26.0	23.1	22.5	22.8
28	29.7	26.9	28.1	27.4	25.1	26.1	28.1	24.2	26.2	24.0	21.7	22.6
29	29.4	27.1	28.1	28.2	25.8	26.8	28.5	24.9	26.6	22.2	20.7	21.3
30	27.7	27.0	27.4	28.5	26.2	27.1	28.4	24.3	26.4	20.7	19.4	19.9
31	---	---	---	26.7	25.7	26.2	28.6	24.4	26.4	---	---	---
Month	29.8	22.6	25.7	31.5	23.5	27.2	30.7	23.7	27.2	28.7	19.4	23.9

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	10.8	3.8	5.6	4.7	1.5	3.1	10.2	9.8	10	11.8	11.6	11.7
2	9.1	4.0	5.5	6.7	2.5	4.0	10.3	9.7	9.9	11.8	11.6	11.6
3	7.6	2.8	4.7	6.3	3.0	4.3	10.7	10.0	10.5	12.1	11.8	11.9
4	9.4	3.8	5.6	7.1	3.8	5.1	10.5	10.3	10.4	12.3	12.0	12.2
5	7.0	3.5	5.2	7.8	3.9	5.2	10.3	10.2	10.2	12.5	12.2	12.4
6	6.3	3.0	4.4	8.2	4.4	5.6	10.7	10.3	10.6	12.7	12.3	12.5
7	5.7	2.4	3.8	8.3	5.2	6.1	10.8	10.7	10.7	12.6	12.3	12.4
8	7.5	3.1	4.6	7.6	5.0	5.9	10.9	10.7	10.8	12.6	12.2	12.3
9	6.5	2.8	4.2	7.8	4.9	6.0	11.5	10.7	11.0	12.6	12.3	12.4
10	6.4	2.7	3.6	6.8	4.6	5.7	11.1	10.8	10.8	12.5	12.2	12.3
11	8.1	2.9	4.5	9.5	6.2	7.8	11.3	10.9	11.1	12.6	12.2	12.4
12	5.0	2.9	3.8	9.9	9.2	9.6	11.5	11.3	11.4	12.7	12.3	12.5
13	6.3	2.9	4.0	10.2	9.9	10	11.4	11.3	11.4	12.9	12.5	12.6
14	4.8	3.2	3.9	9.9	9.7	9.8	11.5	11.2	11.3	12.8	12.2	12.5
15	5.8	3.3	4.3	9.8	9.4	9.7	11.2	11.0	11.1	12.5	12.1	12.2
16	6.8	3.7	4.8	9.6	9.2	9.4	11.1	11.0	11.1	12.7	12.1	12.3
17	7.4	4.3	5.4	10.0	9.3	9.5	11.2	10.9	11.0	12.5	11.8	12.1
18	7.4	4.6	5.7	9.4	8.7	9.1	11.2	11.1	11.2	11.9	11.6	11.7
19	8.0	5.1	6.1	9.0	8.2	8.7	12.0	11.2	11.7	11.7	11.6	11.6
20	7.9	5.3	6.3	9.3	8.3	8.6	11.7	11.5	11.6	11.6	11.2	11.4
21	7.9	5.0	6.2	9.6	8.4	8.9	11.9	11.7	11.8	11.4	11.2	11.3
22	8.0	4.7	6.2	9.5	8.6	8.9	11.9	11.8	11.9	11.7	11.2	11.6
23	7.2	4.2	5.4	10.6	8.7	9.7	12.1	11.8	11.9	11.8	11.6	11.7
24	5.8	2.6	4.2	10.4	9.9	10.1	12.0	11.8	11.9	11.6	11.2	11.5
25	5.7	2.6	4.1	10.0	9.8	9.8	12.1	11.4	11.8	11.4	10.4	11.0
26	7.2	3.5	4.8	9.8	9.6	9.8	12.1	11.6	11.9	---	---	---
27	5.4	3.3	4.3	9.8	9.6	9.7	11.7	11.6	11.6	---	---	---
28	6.0	2.5	4.4	10.0	9.8	9.9	11.7	11.5	11.6	---	---	---
29	6.3	2.6	4.0	10.0	9.8	9.9	11.9	11.7	11.8	11.4	11.2	11.3
30	5.3	2.6	3.6	10.0	9.7	9.8	12.1	11.8	12.0	11.9	11.1	11.5
31	5.8	1.9	3.5	---	---	---	12.0	11.8	11.9	12.5	11.9	12.2
Month	10.8	1.9	4.7	10.6	1.5	8.0	12.1	9.7	11.2	---	---	---

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	12.5	12.2	12.3	11.9	11.4	11.6	10.2	9.1	9.6	6.7	5.2	6.1
2	12.3	12.2	12.2	11.7	11.4	11.5	10.2	8.7	9.3	6.4	5.3	5.8
3	12.9	12.3	12.5	12.0	11.4	11.7	9.7	8.5	9.0	5.5	5.0	5.3
4	12.7	12.2	12.4	12.2	11.7	12.0	9.7	8.4	8.8	5.6	4.9	5.4
5	13.0	12.1	12.4	12.0	11.7	11.8	9.7	7.8	8.6	5.8	4.7	5.3
6	13.3	12.5	13.0	11.9	11.7	11.8	9.2	7.0	7.9	5.6	4.7	5.2
7	12.9	12.6	12.7	12.2	11.4	11.8	8.7	6.6	7.5	7.3	4.8	5.9
8	12.7	12.5	12.6	12.0	11.3	11.6	8.8	6.5	7.3	5.6	4.5	4.9
9	12.6	12.3	12.4	11.8	11.1	11.4	8.7	6.5	7.3	5.5	4.5	4.9
10	12.5	12.2	12.3	11.7	10.8	11.1	8.9	6.4	7.4	6.0	4.8	5.4
11	12.5	12.4	12.5	11.5	10.4	10.8	8.3	6.1	7.0	5.6	5.1	5.3
12	12.6	12.3	12.4	11.3	10.3	10.6	---	---	---	5.8	5.3	5.5
13	12.5	12.3	12.4	10.8	10.0	10.4	---	---	---	5.9	5.2	5.5
14	12.5	12.3	12.4	10.1	9.7	10	9.1	7.3	8.0	6.0	5.3	5.6
15	12.5	12.2	12.3	10.1	9.8	9.9	9.3	7.4	8.0	7.7	5.9	6.7
16	12.4	12.1	12.2	10.4	9.8	10.1	9.4	7.4	8.1	7.0	5.4	6.2
17	12.4	12.1	12.2	10.7	9.8	10.1	8.6	7.1	7.7	7.1	5.4	6.0
18	12.4	12.2	12.3	10.8	9.9	10.2	8.6	6.9	7.5	7.2	5.9	6.7
19	12.3	12.1	12.2	10.8	9.7	10.1	8.9	6.9	7.6	8.4	5.9	7.5
20	12.3	11.9	12.1	11.0	9.5	10.1	8.6	6.9	7.5	8.3	7.7	8.0
21	12.2	11.8	12.0	10.9	9.4	9.9	7.5	6.4	6.8	7.7	7.0	7.5
22	11.8	11.5	11.7	10.7	9.2	9.7	7.9	6.2	6.8	7.1	6.6	6.8
23	11.7	11.3	11.5	10.9	9.3	9.9	8.0	6.5	7.2	7.9	6.5	7.2
24	11.4	11.0	11.2	11.3	9.5	10.1	7.7	6.5	7.0	7.2	6.6	6.9
25	11.6	11.1	11.4	11.3	9.4	10.0	7.9	6.7	7.2	6.8	6.3	6.5
26	11.8	11.6	11.7	11.0	9.4	9.9	7.5	6.2	6.8	6.7	5.6	6.1
27	11.9	11.5	11.7	11.4	9.6	10.2	7.2	6.2	6.5	5.9	4.8	5.4
28	11.8	11.5	11.6	11.0	9.3	9.9	7.7	5.5	6.6	5.4	4.3	4.8
29	---	---	---	10.4	9.3	10.0	7.7	6.4	6.9	5.2	4.1	4.6
30	---	---	---	9.9	9.7	9.8	7.4	6.1	6.7	5.0	4.0	4.4
31	---	---	---	9.8	9.5	9.7	---	---	---	4.6	3.6	4.1
Month	13.3	11.0	12.2	12.2	9.2	10.6	---	---	---	8.4	3.6	5.9

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	6.2	3.7	5.2	4.0	2.9	3.4	5.2	4.0	4.5	5.0	3.0	3.8
2	4.7	3.1	3.9	3.9	2.7	3.2	4.8	3.5	4.2	5.0	2.8	3.8
3	4.0	3.1	3.5	4.0	3.0	3.4	5.3	3.8	4.4	5.3	3.9	4.5
4	4.1	3.1	3.5	4.1	3.2	3.5	5.3	3.9	4.5	5.4	3.6	4.3
5	4.1	3.0	3.4	4.4	3.3	3.7	7.0	4.6	5.6	5.4	4.0	4.5
6	4.3	3.1	3.7	4.7	3.4	3.8	6.0	4.5	5.3	5.5	4.2	4.6
7	5.0	3.3	4.2	4.8	3.6	4.1	6.8	5.1	5.8	5.4	4.1	4.5
8	5.1	2.8	4.0	5.0	3.2	4.2	6.5	4.4	5.2	5.2	4.0	4.4
9	4.4	3.3	3.8	4.9	3.8	4.3	5.1	2.7	4.2	4.2	3.2	3.7
10	---	---	---	4.6	3.3	4.1	5.2	2.7	3.8	4.8	3.1	3.8
11	---	---	---	4.7	3.6	4.1	4.5	2.3	3.6	4.8	3.4	4.0
12	---	---	---	4.3	3.3	3.8	4.2	2.6	3.4	5.1	3.6	4.1
13	---	---	---	3.8	2.8	3.4	3.2	1.0	2.4	5.0	3.5	4.1
14	---	---	---	3.9	2.9	3.4	2.8	0.1	1.4	4.9	3.6	4.2
15	---	---	---	4.0	2.7	3.5	2.2	0.2	1.2	5.0	3.7	4.2
16	---	---	---	4.2	3.0	3.5	2.6	0.2	1.3	5.3	3.5	4.3
17	---	---	---	4.5	3.0	3.4	3.2	0.6	2.0	4.8	3.3	3.9
18	---	---	---	3.8	2.8	3.2	3.8	1.8	2.6	4.9	3.3	3.9
19	---	---	---	4.0	2.8	3.2	5.4	1.2	2.0	5.2	3.6	4.2
20	---	---	---	3.8	2.6	3.0	3.3	1.6	2.3	5.4	4.0	4.4
21	---	---	---	3.9	2.6	3.1	3.9	1.9	2.6	5.3	3.9	4.4
22	---	---	---	3.9	2.1	3.1	4.6	2.2	3.3	5.1	3.8	4.4
23	---	---	---	---	---	---	6.6	3.2	4.6	5.1	3.5	4.1
24	---	---	---	---	---	---	5.9	3.7	4.5	4.7	3.0	3.7
25	---	---	---	---	---	---	5.5	2.0	4.0	4.4	2.8	3.6
26	---	---	---	---	---	---	4.7	0.9	2.8	5.2	2.6	3.6
27	---	---	---	---	---	---	5.0	2.4	3.1	5.6	3.8	4.5
28	---	---	---	---	---	---	4.8	2.4	3.5	4.4	3.7	4.0
29	---	---	---	3.6	2.7	3.1	5.0	3.4	3.9	5.6	3.7	4.4
30	3.4	2.7	3.1	4.7	2.6	3.5	5.0	3.5	4.0	9.0	5.5	8.0
31	---	---	---	4.7	3.2	4.1	5.1	3.5	4.0	---	---	---
Month	---	---	---	---	---	---	7.0	0.1	3.5	9.0	2.6	4.3

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	119	39	60	48	16	33	90	85	87	94	93	93
2	100	40	58	68	24	39	95	85	87	93	91	92
3	87	30	51	65	27	42	98	94	96	93	90	92
4	103	39	60	70	34	48	94	93	94	93	90	92
5	75	36	55	78	35	49	93	92	92	94	91	92
6	68	32	46	79	38	51	93	92	93	94	91	92
7	66	25	42	80	44	55	94	92	93	94	91	92
8	83	33	49	75	43	55	93	91	92	94	90	91
9	72	31	45	77	45	56	97	91	95	94	90	91
10	73	30	41	65	43	53	97	94	95	94	90	92
11	90	31	49	90	58	73	94	93	94	95	90	92
12	52	30	39	89	86	88	95	93	94	95	91	92
13	70	30	43	92	88	90	94	93	93	96	91	93
14	48	32	39	91	90	91	95	93	94	96	90	92
15	57	32	42	93	88	90	94	94	94	95	90	91
16	69	36	48	90	85	88	95	93	94	96	91	92
17	74	41	53	95	86	89	93	90	92	96	88	93
18	71	43	54	88	82	85	91	89	90	95	93	94
19	80	46	57	85	77	82	93	89	92	94	93	93
20	80	49	59	89	77	82	93	92	93	95	92	93
21	78	48	60	91	78	83	93	92	93	93	92	93
22	83	46	60	88	79	82	94	92	93	94	91	93
23	75	44	55	98	80	90	94	92	93	95	93	94
24	63	27	44	96	92	93	94	92	93	95	92	93
25	57	27	40	93	90	92	97	91	94	98	92	96
26	72	34	46	91	88	90	98	94	96	---	---	---
27	54	32	42	90	87	88	94	93	94	---	---	---
28	66	26	46	90	86	88	94	92	93	---	---	---
29	67	26	41	89	86	87	94	92	93	96	92	94
30	54	26	36	88	85	87	94	92	93	93	90	92
31	63	20	36	---	---	---	93	92	93	95	91	93
Month	119	20	48	98	16	74	98	85	93	---	---	---

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	96	93	95	98	92	95	105	93	97	72	56	65
2	95	94	94	96	91	93	107	91	97	71	58	63
3	99	94	97	96	90	93	103	90	95	61	55	59
4	100	97	98	97	93	96	103	87	93	63	54	60
5	99	95	97	98	94	96	104	84	91	66	53	59
6	100	96	99	98	95	96	102	78	87	64	53	58
7	97	96	96	102	94	97	98	74	83	85	53	67
8	97	95	96	102	93	97	99	72	81	64	51	56
9	97	94	95	101	94	97	97	71	81	63	51	55
10	95	94	95	103	95	98	98	68	80	67	53	60
11	95	94	95	105	95	98	88	63	73	61	55	58
12	96	94	95	103	94	97	---	---	---	64	57	60
13	96	93	95	99	93	96	---	---	---	66	58	61
14	96	94	95	96	92	94	95	76	82	68	58	63
15	96	94	95	95	91	93	99	76	83	89	66	76
16	96	93	94	98	91	94	100	76	84	81	62	71
17	95	92	94	100	89	94	92	74	81	81	62	69
18	96	93	94	102	90	95	92	72	78	82	65	75
19	97	93	95	103	91	95	94	70	79	89	65	80
20	97	93	95	105	91	95	91	70	77	90	86	88
21	97	93	95	106	91	95	78	65	70	88	80	84
22	95	93	94	105	88	94	83	64	71	81	75	78
23	95	92	94	106	88	95	83	66	74	91	74	82
24	96	92	94	110	90	97	81	67	72	83	74	79
25	95	92	94	110	90	96	83	69	75	78	72	74
26	96	92	94	109	91	97	81	66	72	79	64	70
27	97	92	94	111	92	99	77	65	69	69	55	62
28	96	92	94	106	88	94	82	57	69	64	50	56
29	---	---	---	101	88	97	82	65	72	61	47	53
30	---	---	---	97	94	96	79	62	70	59	47	51
31	---	---	---	98	94	96	---	---	---	55	42	47
Month	100	92	95	111	88	96	---	---	---	91	42	66

02101726 ROCKY RIVER AT US HIGHWAY 64 NEAR SILER CITY, 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	74	43	61	51	36	43	63	49	55	64	37	48
2	55	36	45	49	33	40	59	42	52	64	33	47
3	48	36	41	50	36	41	66	46	54	68	48	56
4	50	36	41	51	38	42	67	48	56	68	44	53
5	50	35	41	55	39	45	88	57	70	66	47	54
6	53	37	44	60	40	47	77	56	67	67	49	55
7	62	39	50	62	43	50	88	63	74	66	49	55
8	63	33	48	64	41	53	83	56	67	64	48	53
9	54	39	45	63	48	54	66	34	53	52	32	44
10	---	---	---	59	42	52	68	26	49	58	35	44
11	---	---	---	61	45	52	60	29	47	56	39	46
12	---	---	---	55	42	47	56	34	44	63	41	48
13	---	---	---	48	35	43	42	13	31	61	39	48
14	---	---	---	50	36	43	37	1	18	60	40	48
15	---	---	---	52	35	44	29	3	15	61	42	49
16	---	---	---	56	38	46	34	3	17	65	41	51
17	---	---	---	58	38	43	42	8	26	59	38	47
18	---	---	---	49	35	41	50	23	34	61	39	47
19	---	---	---	52	35	40	68	15	25	64	41	50
20	---	---	---	50	33	39	43	20	30	67	45	52
21	---	---	---	52	34	40	50	24	33	65	45	52
22	---	---	---	53	28	41	60	27	42	64	46	53
23	---	---	---	---	---	---	86	40	58	65	41	50
24	---	---	---	---	---	---	76	46	56	60	37	46
25	---	---	---	---	---	---	69	25	49	56	33	43
26	---	---	---	---	---	---	61	11	35	60	31	43
27	---	---	---	---	---	---	65	29	38	65	44	52
28	---	---	---	---	---	---	61	29	44	52	42	47
29	---	---	---	46	34	39	65	41	49	63	42	50
30	43	34	39	61	32	44	65	42	50	98	61	87
31	---	---	---	58	40	51	66	42	50	---	---	---
Month	---	---	---	---	---	---	88	1	45	98	31	51