

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC

LOCATION.--Lat 35°56'39", long 77°04'10", Bertie County, Hydrologic Unit 03010107, on left bank, 0.1 mi downstream of Coniott Creek, and 0.65 mi south-southeast of Quitsna.

PERIOD OF RECORD.--Water years 1998 to March 2003 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1998 to March 2003.

pH: January 1998 to March 2003.

WATER TEMPERATURE: January 1998 to March 2003.

DISSOLVED OXYGEN: January 1998 to March 2003.

DISSOLVED OXYGEN, PERCENT SATURATION: January 1998 to March 2003.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from January 1998 to March 2003.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	215, August 30, 2001	32, September 18, 19, 1999
pH, standard units	7.9, March 8, 1998	5.7, September 18-21, 1999, March 31, 2003
WATER TEMPERATURE, °C	31.2, August 1, 2002	2.2, January 27, 28, 2003
DISSOLVED OXYGEN, mg/L	14.2, January 7, 1999	2.2, May 15, 2000
DISSOLVED OXYGEN, PERCENT SATURATION,%	121, July 5, 6, 1999	26, May 15, 2000

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	171, October 6	91, March 6
pH, standard units	7.7, October 3, 4, 5	5.7, March 31
WATER TEMPERATURE, °C	26.2, October 5, 6	2.2, January 27, 28
DISSOLVED OXYGEN, mg/L	13.1, February 21	6.1, November 28
DISSOLVED OXYGEN, PERCENT SATURATION,%	102, February 22	54, November 28

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
OCTOBER 2002 TO MARCH 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	161	159	160	158	155	156	139	130	133	122	119	120
2	159	158	159	157	155	156	140	132	135	120	116	118
3	159	158	158	160	157	158	140	134	136	117	112	115
4	166	157	158	161	159	160	140	134	136	116	110	112
5	164	158	160	162	160	161	138	132	135	116	111	114
6	171	159	161	161	156	159	138	133	135	115	110	112
7	161	159	160	162	159	161	140	133	135	113	109	110
8	161	160	161	161	157	160	134	130	132	111	108	109
9	162	160	161	157	150	154	140	130	135	113	108	110
10	161	159	160	154	141	150	135	130	131	113	109	110
11	160	157	159	149	140	144	140	132	137	113	108	110
12	160	157	159	151	140	145	144	139	141	113	108	110
13	158	152	155	154	146	149	150	140	146	113	107	109
14	153	133	144	154	146	151	142	137	139	113	107	109
15	134	128	130	148	136	143	144	138	140	112	103	107
16	135	129	131	142	132	137	141	134	137	108	102	104
17	138	133	136	147	139	143	141	135	138	108	101	103
18	145	138	141	140	132	134	144	138	140	107	101	104
19	151	144	148	139	128	132	139	136	138	108	101	103
20	154	151	152	136	125	129	139	136	138	108	102	104
21	156	153	155	132	128	129	138	136	137	107	101	104
22	157	149	153	129	128	129	138	132	136	108	102	104
23	151	147	149	129	129	129	133	127	129	108	101	103
24	155	148	152	129	128	129	130	126	128	108	101	104
25	155	152	153	130	129	129	129	123	125	108	101	104
26	156	153	154	130	128	130	124	120	122	108	102	104
27	155	152	153	130	127	129	122	118	120	110	103	106
28	155	152	154	131	128	129	124	119	121	111	106	108
29	157	154	156	135	129	131	123	119	121	114	107	110
30	157	155	156	136	130	133	124	119	121	116	108	113
31	158	155	157	---	---	---	122	119	120	115	106	110
MONTH	171	128	153	162	125	143	150	118	133	122	101	108
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	105	107	98	95	97	---	---	---	---	---	---
2	110	102	106	96	93	95	---	---	---	---	---	---
3	104	100	103	97	93	94	---	---	---	---	---	---
4	108	100	105	95	92	94	---	---	---	---	---	---
5	111	100	107	95	93	94	---	---	---	---	---	---
6	112	106	108	95	91	93	---	---	---	---	---	---
7	114	105	109	96	92	93	---	---	---	---	---	---
8	114	105	108	96	92	93	---	---	---	---	---	---
9	115	104	109	96	92	94	---	---	---	---	---	---
10	109	102	105	99	95	96	---	---	---	---	---	---
11	109	107	108	99	95	97	---	---	---	---	---	---
12	110	107	109	100	92	97	---	---	---	---	---	---
13	112	109	111	102	96	98	---	---	---	---	---	---
14	117	110	113	103	99	100	---	---	---	---	---	---
15	117	108	113	106	99	101	---	---	---	---	---	---
16	111	105	108	104	98	101	---	---	---	---	---	---
17	119	105	113	104	99	101	---	---	---	---	---	---
18	111	103	106	106	101	102	---	---	---	---	---	---
19	111	99	104	105	101	103	---	---	---	---	---	---
20	116	99	106	106	101	103	---	---	---	---	---	---
21	109	104	106	105	102	103	---	---	---	---	---	---
22	110	104	106	105	101	102	---	---	---	---	---	---
23	109	104	106	102	100	101	---	---	---	---	---	---
24	108	101	104	102	101	101	---	---	---	---	---	---
25	105	101	103	102	100	101	---	---	---	---	---	---
26	101	98	100	101	99	100	---	---	---	---	---	---
27	100	98	99	101	99	100	---	---	---	---	---	---
28	100	97	98	100	98	99	---	---	---	---	---	---
29	---	---	---	99	98	98	---	---	---	---	---	---
30	---	---	---	98	97	97	---	---	---	---	---	---
31	---	---	---	97	95	96	---	---	---	---	---	---
MONTH	119	97	106	106	91	98	---	---	---	---	---	---

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
OCTOBER 2002 TO MARCH 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.5	7.5	7.3	7.2	7.3	6.9	6.7	6.8	6.9	6.7	6.7
2	7.6	7.5	7.5	7.3	7.2	7.2	6.9	6.8	6.8	6.8	6.7	6.8
3	7.7	7.6	7.6	7.2	7.2	7.2	6.9	6.7	6.8	6.8	6.7	6.8
4	7.7	7.6	7.6	7.3	7.2	7.2	6.9	6.7	6.8	6.8	6.7	6.8
5	7.7	7.6	7.6	7.3	7.2	7.3	6.9	6.8	6.8	6.8	6.7	6.8
6	7.6	7.6	7.6	7.3	7.2	7.2	7.0	6.8	6.9	6.8	6.7	6.7
7	7.6	7.6	7.6	7.3	7.2	7.3	6.9	6.7	6.8	6.8	6.6	6.7
8	7.6	7.5	7.6	7.3	7.2	7.3	6.8	6.7	6.7	6.7	6.6	6.7
9	7.6	7.5	7.5	7.2	7.2	7.2	6.8	6.7	6.7	6.7	6.6	6.7
10	7.5	7.5	7.5	7.2	7.2	7.2	6.8	6.7	6.8	6.7	6.6	6.7
11	7.5	7.5	7.5	7.2	7.2	7.2	6.9	6.8	6.8	6.7	6.6	6.7
12	7.6	7.5	7.5	7.2	7.1	7.2	6.8	6.8	6.8	6.7	6.6	6.7
13	7.6	7.4	7.5	7.3	7.1	7.2	6.9	6.8	6.8	6.8	6.6	6.7
14	7.4	7.3	7.4	7.3	7.1	7.2	6.9	6.8	6.9	6.8	6.6	6.7
15	7.3	7.1	7.2	7.1	7.0	7.0	7.0	6.8	6.9	6.8	6.7	6.7
16	7.4	7.1	7.3	7.0	6.9	7.0	7.0	6.9	7.0	6.8	6.7	6.8
17	7.4	7.3	7.4	7.0	6.8	6.8	7.1	7.0	7.0	6.9	6.7	6.8
18	7.4	7.3	7.3	7.1	6.9	7.0	7.3	7.1	7.2	6.9	6.8	6.8
19	7.3	7.2	7.3	7.0	6.8	6.9	7.3	7.2	7.3	6.9	6.8	6.9
20	7.3	7.2	7.2	7.1	6.9	7.1	7.4	7.3	7.3	6.9	6.8	6.9
21	7.3	7.2	7.2	7.5	7.1	7.4	7.4	7.2	7.3	7.0	6.8	6.9
22	7.2	7.2	7.2	7.5	7.5	7.5	7.2	6.8	7.1	6.9	6.7	6.8
23	7.2	7.2	7.2	7.5	7.5	7.5	6.9	6.7	6.8	6.9	6.8	6.8
24	7.2	7.1	7.2	7.5	7.4	7.4	6.9	6.7	6.8	6.8	6.7	6.8
25	7.1	7.1	7.1	7.4	7.2	7.3	6.8	6.6	6.7	6.9	6.8	6.8
26	7.2	7.1	7.1	7.2	6.8	7.1	6.7	6.6	6.7	6.8	6.7	6.8
27	7.2	7.1	7.2	7.0	6.8	6.9	6.8	6.6	6.7	6.8	6.7	6.7
28	7.2	7.2	7.2	7.0	6.8	6.8	6.9	6.7	6.8	6.8	6.7	6.7
29	7.3	7.2	7.3	6.9	6.7	6.9	6.9	6.7	6.8	6.8	6.7	6.7
30	7.3	7.3	7.3	6.9	6.7	6.8	7.1	6.7	6.8	6.8	6.8	6.8
31	7.3	7.2	7.3	---	---	---	6.8	6.7	6.7	6.8	6.8	6.8
MONTH	7.7	7.1	7.4	7.5	6.7	7.2	7.4	6.6	6.9	7.0	6.6	6.8
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.7	6.7	6.4	6.3	6.3	---	---	---	---	---	---
2	6.7	6.6	6.7	6.4	6.3	6.3	---	---	---	---	---	---
3	6.6	6.6	6.6	6.4	6.2	6.3	---	---	---	---	---	---
4	6.7	6.6	6.6	6.3	6.2	6.3	---	---	---	---	---	---
5	6.7	6.6	6.6	6.3	6.2	6.2	---	---	---	---	---	---
6	6.7	6.7	6.7	6.3	6.2	6.2	---	---	---	---	---	---
7	6.8	6.7	6.7	6.2	6.1	6.2	---	---	---	---	---	---
8	6.7	6.7	6.7	6.2	6.1	6.1	---	---	---	---	---	---
9	6.7	6.7	6.7	6.2	6.0	6.1	---	---	---	---	---	---
10	6.7	6.6	6.6	6.2	6.0	6.1	---	---	---	---	---	---
11	6.6	6.2	6.5	6.1	6.0	6.0	---	---	---	---	---	---
12	6.5	6.3	6.4	6.1	5.9	6.0	---	---	---	---	---	---
13	6.5	6.4	6.4	6.1	5.9	6.0	---	---	---	---	---	---
14	6.6	6.4	6.5	6.1	5.9	6.0	---	---	---	---	---	---
15	6.6	6.5	6.6	6.0	5.9	5.9	---	---	---	---	---	---
16	6.6	6.5	6.6	6.0	5.8	5.9	---	---	---	---	---	---
17	6.5	6.4	6.5	6.0	5.8	5.9	---	---	---	---	---	---
18	6.5	6.3	6.4	6.0	5.9	5.9	---	---	---	---	---	---
19	6.7	6.3	6.5	6.0	5.9	5.9	---	---	---	---	---	---
20	6.9	6.6	6.8	6.0	5.8	5.9	---	---	---	---	---	---
21	6.9	6.9	6.9	6.0	5.9	5.9	---	---	---	---	---	---
22	7.0	6.9	7.0	6.0	5.9	6.0	---	---	---	---	---	---
23	7.0	7.0	7.0	6.0	5.9	6.0	---	---	---	---	---	---
24	7.0	6.8	6.9	6.1	5.9	6.0	---	---	---	---	---	---
25	6.9	6.6	6.8	6.0	5.9	6.0	---	---	---	---	---	---
26	6.7	6.4	6.5	6.1	5.9	6.0	---	---	---	---	---	---
27	6.4	6.3	6.4	6.1	5.9	6.0	---	---	---	---	---	---
28	6.4	6.3	6.4	6.0	5.9	6.0	---	---	---	---	---	---
29	---	---	---	6.0	5.8	5.9	---	---	---	---	---	---
30	---	---	---	5.9	5.8	5.8	---	---	---	---	---	---
31	---	---	---	5.8	5.7	5.7	---	---	---	---	---	---
MONTH	7.0	6.2	6.6	6.4	5.7	6.0	---	---	---	---	---	---

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
OCTOBER 2002 TO MARCH 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.2	24.7	25.0	15.3	14.4	14.8	9.6	8.7	9.0	7.7	6.9	7.4
2	25.1	24.8	25.0	14.4	13.7	14.0	9.1	8.3	8.7	8.2	7.7	7.9
3	25.4	24.9	25.1	13.7	13.3	13.5	8.8	7.7	8.2	8.4	8.0	8.2
4	25.7	25.2	25.5	13.7	13.3	13.5	8.0	7.0	7.4	8.3	7.7	8.0
5	26.2	25.7	25.9	13.7	13.4	13.5	7.7	6.5	7.0	7.8	7.1	7.4
6	26.2	25.8	25.9	14.1	13.6	13.9	7.0	6.1	6.6	7.1	6.7	6.9
7	25.9	25.6	25.7	13.9	13.5	13.8	6.5	5.5	5.9	6.7	6.0	6.3
8	25.6	24.4	25.1	13.5	13.2	13.4	6.0	5.2	5.7	6.1	5.8	6.0
9	24.4	23.5	23.9	13.5	13.0	13.3	6.1	5.6	5.9	6.5	5.9	6.2
10	23.5	23.2	23.3	14.3	13.2	13.8	6.1	5.8	6.0	6.8	6.5	6.7
11	23.2	22.6	22.9	15.2	14.3	14.7	6.3	5.9	6.1	6.7	6.2	6.4
12	22.6	22.5	22.6	15.8	15.2	15.6	6.7	6.1	6.4	6.2	5.4	5.8
13	22.8	22.2	22.5	15.9	15.4	15.7	7.4	6.5	6.8	5.7	5.0	5.4
14	22.6	21.5	22.1	15.4	14.1	14.9	7.7	7.4	7.5	5.5	5.0	5.3
15	21.5	20.6	20.9	14.1	13.5	13.7	7.4	7.2	7.3	5.4	5.0	5.2
16	20.6	20.1	20.3	14.2	13.7	13.9	7.3	7.0	7.2	5.2	4.4	4.8
17	20.1	19.6	19.8	14.2	13.7	14.1	7.4	7.0	7.2	4.9	4.3	4.6
18	19.6	19.0	19.2	13.9	13.3	13.8	7.4	7.2	7.3	4.5	3.6	4.0
19	19.0	18.5	18.7	13.4	12.2	12.7	7.5	7.3	7.4	4.1	3.5	3.8
20	18.9	18.5	18.7	12.9	12.1	12.6	7.9	7.5	7.7	4.2	3.4	3.8
21	18.9	18.4	18.6	13.3	12.8	13.2	7.8	7.7	7.7	4.1	3.6	3.9
22	18.5	18.3	18.4	13.5	13.2	13.4	7.9	7.5	7.7	4.0	3.5	3.7
23	18.7	18.0	18.4	13.3	12.9	13.2	8.0	7.5	7.8	3.9	2.8	3.3
24	18.4	17.9	18.1	12.9	12.4	12.7	7.6	7.3	7.5	3.0	2.5	2.7
25	18.1	17.6	17.7	12.4	11.9	12.2	7.5	7.1	7.4	3.0	2.6	2.8
26	17.9	17.5	17.7	12.0	11.0	11.6	7.1	6.6	6.8	2.9	2.6	2.7
27	18.2	17.7	18.0	11.5	10.6	11.1	6.6	6.1	6.3	2.7	2.2	2.5
28	18.1	17.8	18.0	10.8	9.7	10.2	6.2	5.7	6.0	2.8	2.2	2.5
29	18.0	17.5	17.7	10.2	9.3	9.8	6.3	5.5	5.9	3.0	2.3	2.7
30	17.5	16.6	17.1	9.9	9.2	9.6	6.8	5.8	6.2	3.0	2.8	2.9
31	16.6	15.3	15.9	---	---	---	7.0	6.2	6.6	3.4	2.9	3.3
MONTH	26.2	15.3	21.1	15.9	9.2	13.2	9.6	5.2	7.0	8.4	2.2	4.9
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	3.4	3.5	5.8	5.2	5.5	---	---	---	---	---	---
2	4.1	3.3	3.7	6.5	5.6	6.0	---	---	---	---	---	---
3	4.9	3.7	4.1	7.0	6.2	6.6	---	---	---	---	---	---
4	5.7	4.6	5.3	7.3	6.3	6.8	---	---	---	---	---	---
5	6.2	5.5	5.8	7.9	6.7	7.3	---	---	---	---	---	---
6	5.8	5.5	5.7	8.5	7.5	8.0	---	---	---	---	---	---
7	5.6	4.7	5.1	8.3	7.4	7.9	---	---	---	---	---	---
8	5.2	4.4	4.7	7.8	6.9	7.5	---	---	---	---	---	---
9	5.0	4.4	4.7	8.6	7.3	7.9	---	---	---	---	---	---
10	5.0	4.6	4.8	9.0	7.7	8.4	---	---	---	---	---	---
11	5.3	4.4	4.8	8.7	8.1	8.4	---	---	---	---	---	---
12	5.6	4.6	5.1	8.6	7.8	8.2	---	---	---	---	---	---
13	5.6	4.9	5.2	9.5	8.2	8.8	---	---	---	---	---	---
14	5.7	5.1	5.3	9.8	8.8	9.4	---	---	---	---	---	---
15	5.6	5.1	5.3	9.6	8.8	9.3	---	---	---	---	---	---
16	5.1	4.8	4.9	10.2	9.0	9.6	---	---	---	---	---	---
17	5.2	4.4	4.8	10.6	9.9	10.3	---	---	---	---	---	---
18	4.4	3.8	4.2	10.9	10.0	10.6	---	---	---	---	---	---
19	4.2	3.3	3.7	11.1	10.4	10.8	---	---	---	---	---	---
20	4.4	4.1	4.2	11.1	10.2	10.7	---	---	---	---	---	---
21	4.3	4.0	4.2	11.2	10.5	10.9	---	---	---	---	---	---
22	5.3	4.3	4.9	11.4	10.2	11.0	---	---	---	---	---	---
23	5.7	5.3	5.6	11.6	10.5	11.1	---	---	---	---	---	---
24	6.1	5.5	5.8	12.3	10.9	11.6	---	---	---	---	---	---
25	6.6	5.8	6.1	12.5	11.4	12.0	---	---	---	---	---	---
26	6.6	6.0	6.3	12.9	11.9	12.3	---	---	---	---	---	---
27	6.3	5.6	6.0	12.9	12.0	12.6	---	---	---	---	---	---
28	5.9	5.3	5.6	13.3	12.2	12.7	---	---	---	---	---	---
29	---	---	---	14.0	12.5	13.4	---	---	---	---	---	---
30	---	---	---	13.9	12.8	13.5	---	---	---	---	---	---
31	---	---	---	12.9	11.8	12.3	---	---	---	---	---	---
MONTH	6.6	3.3	5.0	14.0	5.2	9.7	---	---	---	---	---	---

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
OCTOBER 2002 TO MARCH 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.8	6.9	---	---	---	8.0	6.8	7.3	---	---	---
2	7.4	6.7	7.1	---	---	---	8.2	7.2	7.7	---	---	---
3	7.4	7.0	7.2	8.6	8.2	8.4	8.1	7.1	7.7	---	---	---
4	7.4	7.2	7.3	8.9	8.6	8.8	9.0	7.5	8.1	---	---	---
5	7.3	6.9	7.1	9.0	8.8	8.9	9.5	8.2	9.0	---	---	---
6	7.2	6.8	7.0	9.0	8.7	8.8	9.7	9.0	9.4	---	---	---
7	7.2	6.9	7.0	9.0	8.7	8.8	9.5	8.8	9.1	---	---	---
8	7.1	6.9	7.0	9.1	8.8	8.9	9.3	8.8	9.0	---	---	---
9	7.2	6.9	7.0	8.9	8.7	8.8	9.7	8.9	9.3	---	---	---
10	7.6	7.0	7.2	9.1	8.8	8.9	10.2	9.5	9.9	---	---	---
11	7.9	7.5	7.7	8.8	8.4	8.6	10.3	10.0	10.1	---	---	---
12	7.9	7.6	7.8	8.4	7.9	8.2	10.2	9.8	10.1	---	---	---
13	7.9	7.6	7.8	8.0	7.7	7.9	10.4	10.0	10.2	---	---	---
14	---	---	---	8.2	7.9	8.1	10.3	10.0	10.1	---	---	---
15	---	---	---	8.2	7.9	8.1	10.6	10.1	10.4	---	---	---
16	---	---	---	8.2	7.7	8.0	10.8	10.4	10.6	---	---	---
17	---	---	---	7.8	7.3	7.5	11.0	10.8	10.9	---	---	---
18	---	---	---	7.8	7.6	7.7	---	---	---	---	---	---
19	---	---	---	7.8	7.5	7.6	---	---	---	---	---	---
20	---	---	---	8.3	7.7	8.1	---	---	---	---	---	---
21	---	---	---	8.4	8.1	8.2	---	---	---	---	---	---
22	---	---	---	8.2	8.1	8.1	---	---	---	---	---	---
23	---	---	---	8.3	8.1	8.2	---	---	---	---	---	---
24	---	---	---	8.5	8.2	8.4	---	---	---	---	---	---
25	---	---	---	8.6	7.7	8.3	---	---	---	---	---	---
26	---	---	---	8.2	6.6	7.6	---	---	---	---	---	---
27	---	---	---	7.6	6.3	6.9	---	---	---	---	---	---
28	---	---	---	7.3	6.1	6.5	---	---	---	---	---	---
29	---	---	---	7.8	6.3	7.2	---	---	---	---	---	---
30	---	---	---	8.0	6.8	7.4	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.2	10.3	10.8	---	---	---	---	---	---
2	---	---	---	11.3	10.6	10.8	---	---	---	---	---	---
3	---	---	---	11.4	10.3	10.6	---	---	---	---	---	---
4	---	---	---	11.0	10.2	10.5	---	---	---	---	---	---
5	---	---	---	10.8	10.2	10.4	---	---	---	---	---	---
6	---	---	---	10.6	9.8	10.2	---	---	---	---	---	---
7	---	---	---	10.3	9.6	9.9	---	---	---	---	---	---
8	---	---	---	10.2	9.4	9.8	---	---	---	---	---	---
9	---	---	---	10.5	9.4	10	---	---	---	---	---	---
10	---	---	---	10.4	9.7	10	---	---	---	---	---	---
11	---	---	---	10.1	9.4	9.8	---	---	---	---	---	---
12	12.0	11.5	11.7	10.0	9.0	9.7	---	---	---	---	---	---
13	11.9	11.6	11.7	10.2	9.6	9.8	---	---	---	---	---	---
14	12.0	11.6	11.8	10.2	9.3	9.8	---	---	---	---	---	---
15	12.2	11.8	12.0	10.2	9.2	9.6	---	---	---	---	---	---
16	12.2	12.0	12.1	9.8	8.9	9.3	---	---	---	---	---	---
17	12.1	11.7	11.9	9.3	8.6	9.0	---	---	---	---	---	---
18	12.0	11.6	11.7	9.3	8.5	8.8	---	---	---	---	---	---
19	12.7	11.6	12.3	9.1	8.3	8.7	---	---	---	---	---	---
20	13.0	12.7	12.8	9.1	8.1	8.5	---	---	---	---	---	---
21	13.1	12.9	13.0	8.7	8.1	8.4	---	---	---	---	---	---
22	13.0	12.7	12.9	8.8	8.1	8.4	---	---	---	---	---	---
23	12.7	12.4	12.6	8.9	8.2	8.5	---	---	---	---	---	---
24	12.5	11.9	12.3	9.1	8.2	8.5	---	---	---	---	---	---
25	12.3	11.5	12.1	8.9	8.0	8.4	---	---	---	---	---	---
26	11.8	10.4	10.9	8.8	7.9	8.3	---	---	---	---	---	---
27	11.1	10.4	10.7	8.6	7.6	8.0	---	---	---	---	---	---
28	11.4	10.2	10.7	8.3	7.5	7.8	---	---	---	---	---	---
29	---	---	---	8.0	6.9	7.4	---	---	---	---	---	---
30	---	---	---	7.3	6.7	6.9	---	---	---	---	---	---
31	---	---	---	7.0	6.3	6.6	---	---	---	---	---	---
MONTH	---	---	---	11.4	6.3	9.1	---	---	---	---	---	---

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
OCTOBER 2002 TO MARCH 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	85	82	83	---	---	---	70	59	63	---	---	---
2	90	81	86	---	---	---	71	62	66	---	---	---
3	91	85	88	83	79	81	69	60	65	---	---	---
4	91	88	89	86	83	84	76	63	67	---	---	---
5	90	85	88	87	84	86	78	68	74	---	---	---
6	89	84	87	87	84	85	80	73	77	---	---	---
7	89	85	86	87	84	85	77	70	73	---	---	---
8	86	84	85	88	84	86	74	69	72	---	---	---
9	85	82	84	86	83	84	78	71	75	---	---	---
10	89	82	85	88	84	86	82	76	80	---	---	---
11	92	88	90	86	84	85	84	80	82	---	---	---
12	92	88	91	84	80	82	83	80	82	---	---	---
13	92	88	90	81	78	80	85	82	84	---	---	---
14	---	---	---	81	79	80	86	83	85	---	---	---
15	---	---	---	80	76	78	88	84	87	---	---	---
16	---	---	---	79	75	78	90	86	88	---	---	---
17	---	---	---	76	71	73	92	89	90	---	---	---
18	---	---	---	76	73	75	---	---	---	---	---	---
19	---	---	---	74	70	72	---	---	---	---	---	---
20	---	---	---	79	72	76	---	---	---	---	---	---
21	---	---	---	80	77	78	---	---	---	---	---	---
22	---	---	---	79	78	78	---	---	---	---	---	---
23	---	---	---	79	78	78	---	---	---	---	---	---
24	---	---	---	80	78	79	---	---	---	---	---	---
25	---	---	---	81	71	78	---	---	---	---	---	---
26	---	---	---	76	60	70	---	---	---	---	---	---
27	---	---	---	69	57	63	---	---	---	---	---	---
28	---	---	---	66	54	58	---	---	---	---	---	---
29	---	---	---	69	55	63	---	---	---	---	---	---
30	---	---	---	70	59	65	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	89	82	86	---	---	---	---	---	---
2	---	---	---	90	85	87	---	---	---	---	---	---
3	---	---	---	92	84	87	---	---	---	---	---	---
4	---	---	---	89	83	86	---	---	---	---	---	---
5	---	---	---	90	84	87	---	---	---	---	---	---
6	---	---	---	89	83	86	---	---	---	---	---	---
7	---	---	---	87	81	83	---	---	---	---	---	---
8	---	---	---	85	78	82	---	---	---	---	---	---
9	---	---	---	89	79	84	---	---	---	---	---	---
10	---	---	---	89	82	85	---	---	---	---	---	---
11	---	---	---	86	80	83	---	---	---	---	---	---
12	95	90	92	85	77	83	---	---	---	---	---	---
13	95	91	93	89	82	85	---	---	---	---	---	---
14	96	91	93	89	81	85	---	---	---	---	---	---
15	96	93	95	88	80	84	---	---	---	---	---	---
16	96	94	95	86	78	82	---	---	---	---	---	---
17	95	91	93	83	77	81	---	---	---	---	---	---
18	93	88	90	83	77	79	---	---	---	---	---	---
19	98	88	93	82	75	79	---	---	---	---	---	---
20	100	97	98	81	73	77	---	---	---	---	---	---
21	101	99	100	78	73	76	---	---	---	---	---	---
22	102	100	101	80	73	77	---	---	---	---	---	---
23	101	99	100	81	75	78	---	---	---	---	---	---
24	100	96	98	83	75	78	---	---	---	---	---	---
25	99	94	98	83	74	78	---	---	---	---	---	---
26	96	85	89	82	74	78	---	---	---	---	---	---
27	89	84	87	81	72	76	---	---	---	---	---	---
28	90	82	85	78	71	74	---	---	---	---	---	---
29	---	---	---	75	67	71	---	---	---	---	---	---
30	---	---	---	70	64	67	---	---	---	---	---	---
31	---	---	---	65	58	62	---	---	---	---	---	---
MONTH	---	---	---	92	58	80	---	---	---	---	---	---