

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUILTSNA, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 35°56'40", long 77°04'20" referenced to North American Datum of 1983, Bertie County, NC, Hydrologic Unit 03010107, approximately 1.19 mi south of Quitsna, near Secondary Road 1109.

DRAINAGE AREA.--18.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--2006, discharge measurements only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Discharge, in ft³/s
Aug 3, 2006	55.7
Aug 17, 2006	0.55
Sep 8, 2006	186
Sep 21, 2006	15.6

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUILTSNA, NC—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--July to September 2006.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July to September 2006.

pH: July to September 2006.

WATER TEMPERATURE: July to September 2006.

DISSOLVED OXYGEN: July to September 2006.

DISSOLVED OXYGEN, PERCENT SATURATION: July to September 2006.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry June 2006 to September 2006.

REMARKS.--Station operated in cooperation with the U.S. Army Corps of Engineers. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 172 microsiemens, August 21; minimum recorded, 65 microsiemens, September 8.

pH: Maximum recorded, 7.1 standard units, August 18; minimum recorded, 6.0 standard units, September 8.

WATER TEMPERATURE: Maximum recorded, 30.5°C, August 4; minimum recorded, 16.6°C, September 22.

DISSOLVED OXYGEN: Maximum recorded, 7.5 mg/L, August 27; minimum recorded, 0.0 mg/L, August 8, September 13.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 95%, August 27; minimum recorded, 0%, August 8, September 13.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, deg C (00010)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
Aug						
03...	1000	2.5	6.6	104	27.2	2.7
17...	1345	3.7	6.8	144	26.4	1.9
Sep						
08...	0830	2.5	6.1	66	21.5	1.9
21...	0815	2.4	6.4	98	19.4	2.0

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUITNSA, NC—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	96	92	95	94	90	92	---	---	---
2	---	---	---	96	94	95	101	94	97	---	---	---
3	---	---	---	97	94	95	104	101	103	---	---	---
4	---	---	---	103	97	100	116	104	112	---	---	---
5	---	---	---	105	101	103	120	112	116	---	---	---
6	---	---	---	124	101	110	125	116	119	---	---	---
7	---	---	---	124	108	114	130	125	127	---	---	---
8	---	---	---	118	108	112	132	129	130	---	---	---
9	---	---	---	118	112	115	135	132	133	83	69	75
10	---	---	---	112	109	110	135	130	132	92	83	89
11	---	---	---	111	109	110	139	130	134	95	89	93
12	---	---	---	122	108	115	149	138	144	95	91	93
13	---	---	---	115	105	108	144	141	142	95	92	94
14	---	---	---	107	104	106	148	143	145	92	89	91
15	---	---	---	104	102	104	148	143	145	95	91	93
16	---	---	---	124	101	108	146	141	144	97	94	95
17	---	---	---	149	124	140	153	143	146	100	97	99
18	---	---	---	135	119	126	147	134	140	103	99	101
19	---	---	---	119	105	111	142	134	139	108	102	105
20	---	---	---	107	104	106	158	139	145	108	101	105
21	---	---	---	108	106	107	172	138	152	104	98	100
22	---	---	---	108	107	107	171	140	154	101	98	99
23	---	---	---	108	106	107	148	140	145	107	100	103
24	---	---	---	108	106	107	152	143	147	115	106	111
25	---	---	---	110	107	108	154	138	145	118	114	116
26	---	---	---	112	109	110	157	138	145	117	113	115
27	---	---	---	113	110	111	159	140	149	116	113	114
28	---	---	---	111	107	108	165	142	150	124	112	117
29	---	---	---	108	95	101	---	---	---	---	---	---
30	---	---	---	98	93	96	---	---	---	---	---	---
31	---	---	---	93	89	91	---	---	---	---	---	---
Month	---	---	---	149	89	108	---	---	---	---	---	---

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUITNSA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

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

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUITNSA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	25.5	23.9	24.7	28.0	25.7	26.8	---	---	---
2	---	---	---	27.0	23.7	25.1	29.2	26.7	27.8	---	---	---
3	---	---	---	28.4	25.0	26.5	29.9	27.1	28.3	---	---	---
4	---	---	---	27.6	25.4	26.2	30.5	27.8	28.9	---	---	---
5	---	---	---	27.6	25.9	26.7	28.6	26.6	27.6	---	---	---
6	---	---	---	28.2	27.5	27.8	28.0	25.3	26.7	---	---	---
7	---	---	---	27.6	26.3	26.7	27.8	24.8	26.3	---	---	---
8	---	---	---	26.5	25.9	26.2	28.7	25.9	27.2	---	---	---
9	---	---	---	25.9	23.9	24.6	28.0	25.9	26.8	22.3	20.5	21.5
10	---	---	---	24.3	22.9	23.6	26.7	24.6	25.6	23.0	20.9	21.9
11	---	---	---	25.3	23.3	24.2	26.0	24.6	25.0	22.2	20.5	21.4
12	---	---	---	28.0	24.4	26.4	24.7	22.5	23.3	20.5	18.6	19.5
13	---	---	---	27.3	26.8	27.1	23.7	20.8	22.2	19.0	17.5	18.3
14	---	---	---	26.8	26.4	26.7	24.0	21.9	22.9	21.2	18.8	19.8
15	---	---	---	26.8	26.3	26.6	26.2	23.4	24.6	22.4	20.4	21.2
16	---	---	---	27.1	26.5	26.8	26.9	25.4	26.1	21.6	20.0	20.7
17	---	---	---	27.1	26.6	26.9	27.4	25.1	26.1	22.4	19.9	21.0
18	---	---	---	26.9	26.2	26.5	28.1	25.9	27.2	22.5	19.9	21.2
19	---	---	---	26.5	25.9	26.2	27.7	26.4	27.1	22.8	20.8	21.6
20	---	---	---	26.4	25.7	26.1	28.0	26.3	27.1	22.9	21.6	22.1
21	---	---	---	26.5	25.6	26.0	27.7	25.5	26.6	21.6	18.5	19.6
22	---	---	---	26.1	25.8	26.0	27.6	25.2	26.2	19.4	16.6	18.0
23	---	---	---	26.1	25.6	25.8	28.3	26.3	27.1	22.0	18.4	19.9
24	---	---	---	25.8	25.2	25.5	27.5	25.6	26.6	24.2	21.6	22.7
25	---	---	---	25.5	25.0	25.2	27.7	25.4	26.7	23.8	21.7	22.4
26	---	---	---	25.4	24.8	25.1	28.5	25.6	26.9	21.7	19.3	20.1
27	---	---	---	25.7	24.9	25.2	28.4	25.2	27.0	20.3	18.3	19.4
28	---	---	---	25.8	24.7	25.2	29.0	26.2	27.4	20.3	18.0	19.2
29	---	---	---	25.8	24.9	25.4	---	---	---	22.5	18.5	20.2
30	---	---	---	26.0	24.8	25.4	---	---	---	21.4	17.5	18.7
31	---	---	---	27.0	25.2	26.1	---	---	---	---	---	---
Month	---	---	---	28.4	22.9	25.9	---	---	---	---	---	---

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUITNSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	1.6	1.1	1.3	2.7	1.8	2.5	---	---	---
2	---	---	---	2.1	1.6	1.8	2.8	1.5	2.4	---	---	---
3	---	---	---	2.3	1.8	2.1	2.4	1.0	2.0	---	---	---
4	---	---	---	2.4	1.4	1.9	2.6	1.6	2.1	---	---	---
5	---	---	---	1.8	0.9	1.3	2.6	1.6	2.3	---	---	---
6	---	---	---	6.1	1.3	4.9	2.6	1.4	2.2	---	---	---
7	---	---	---	5.9	5.4	5.7	2.8	0.1	1.5	---	---	---
8	---	---	---	6.3	5.8	6.1	3.1	0.0	1.7	---	---	---
9	---	---	---	6.0	3.9	4.6	2.8	0.4	1.5	2.8	2.0	2.7
10	---	---	---	3.9	3.1	3.4	4.0	1.0	2.8	2.5	0.4	1.3
11	---	---	---	3.2	3.0	3.0	3.8	0.7	2.9	1.2	0.1	0.2
12	---	---	---	---	---	---	4.5	2.5	3.6	0.1	0.1	0.1
13	---	---	---	---	---	---	4.6	2.8	4.0	1.8	0.0	0.2
14	---	---	---	---	---	---	4.6	2.3	3.7	3.4	0.1	2.0
15	---	---	---	---	---	---	6.1	2.4	3.9	3.4	1.3	2.9
16	---	---	---	---	---	---	6.6	3.2	4.9	2.7	0.1	0.5
17	---	---	---	---	---	---	6.3	3.8	4.9	1.6	0.1	0.5
18	---	---	---	---	---	---	6.5	4.6	5.8	3.1	0.8	2.5
19	---	---	---	---	---	---	5.8	2.5	4.5	2.8	1.4	2.3
20	---	---	---	---	---	---	5.7	3.5	4.5	2.9	0.8	1.5
21	---	---	---	1.7	1.2	1.5	5.7	0.9	3.7	2.6	1.0	2.0
22	---	---	---	1.2	1.0	1.1	6.6	0.8	3.3	3.1	2.5	2.9
23	---	---	---	1.4	1.0	1.2	7.0	5.0	5.8	3.2	2.7	3.0
24	---	---	---	1.4	1.1	1.2	6.8	3.3	5.6	2.8	1.8	2.5
25	---	---	---	1.8	1.0	1.4	6.9	3.0	5.3	2.5	1.7	2.2
26	---	---	---	1.4	1.0	1.2	7.0	3.8	5.8	2.3	1.0	1.8
27	---	---	---	1.7	0.8	1.2	7.5	2.5	5.6	2.8	1.0	1.9
28	---	---	---	1.7	1.1	1.5	7.3	3.6	5.9	3.1	1.6	2.5
29	---	---	---	1.7	1.4	1.5	---	---	---	---	---	---
30	---	---	---	1.7	1.4	1.6	---	---	---	---	---	---
31	---	---	---	2.0	1.5	1.7	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102845 CONIOTT CREEK NEAR MOUTH NEAR QUITNSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	20	13	16	35	23	32	---	---	---
2	---	---	---	26	19	22	37	19	31	---	---	---
3	---	---	---	30	22	26	32	13	26	---	---	---
4	---	---	---	30	17	24	34	20	28	---	---	---
5	---	---	---	23	11	16	34	20	29	---	---	---
6	---	---	---	79	17	63	33	17	28	---	---	---
7	---	---	---	74	67	71	35	1	18	---	---	---
8	---	---	---	78	72	76	38	0	22	---	---	---
9	---	---	---	74	46	56	36	5	19	32	23	30
10	---	---	---	46	37	40	50	12	34	29	5	15
11	---	---	---	39	35	36	46	8	36	14	1	3
12	---	---	---	---	---	---	53	29	43	1	1	1
13	---	---	---	---	---	---	55	31	46	19	0	2
14	---	---	---	---	---	---	54	27	43	38	1	22
15	---	---	---	---	---	---	76	29	47	38	27	33
16	---	---	---	---	---	---	82	39	61	31	1	5
17	---	---	---	---	---	---	77	47	60	18	1	6
18	---	---	---	---	---	---	84	57	74	35	9	29
19	---	---	---	---	---	---	74	31	57	32	16	26
20	---	---	---	---	---	---	72	45	57	34	9	17
21	---	---	---	21	15	18	72	11	47	28	11	22
22	---	---	---	15	12	14	84	10	42	33	27	31
23	---	---	---	17	12	14	89	62	73	35	31	33
24	---	---	---	17	13	15	86	42	70	32	21	29
25	---	---	---	22	12	17	87	38	67	30	20	25
26	---	---	---	17	12	15	88	48	72	26	11	20
27	---	---	---	21	10	15	95	32	71	31	11	21
28	---	---	---	21	13	18	93	46	75	34	17	27
29	---	---	---	21	17	19	---	---	---	---	---	---
30	---	---	---	21	17	19	---	---	---	---	---	---
31	---	---	---	25	18	21	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---