



Water-Data Report 2006

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 35°52'33", long 77°02'38" referenced to North American Datum of 1983, Martin County, NC, Hydrologic Unit 03010107, approximately 1.5 mi upstream of boat ramp at U.S. Highway 17, at Williamston.

DRAINAGE AREA.--124 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 17, 2006	3.39
Sep 8, 2006	487
Sep 21, 2006	114

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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 July 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, 146 microsiemens, August 30; minimum recorded, 76 microsiemens, September 8.

pH: Maximum recorded, 7.2 standard units, August 30, 31, September 1; minimum recorded, 5.8 standard units, September 6, 7, 8.

WATER TEMPERATURE: Maximum recorded, 29.5°C, August 30; minimum recorded, 16.8°C, September 30.

DISSOLVED OXYGEN: Maximum recorded, 7.5 mg/L, September 1; minimum recorded, 0.1 mg/L, July 27.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 96%, September 1; minimum recorded, 1%, July 27.

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...	0930	2.4	6.5	96	26.9	4.1
17...	1700	2.4	6.5	141	26.1	1.3
Sep						
08...	1000	3.4	5.9	76	21.9	1.6
21...	1315	2.1	6.3	98	19.2	2.1

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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	---	---	---	91	86	89	110	101	104	132	114	122
2	---	---	---	86	83	84	101	97	98	120	110	114
3	---	---	---	85	83	84	98	96	97	110	97	103
4	---	---	---	88	85	87	96	95	96	101	89	95
5	---	---	---	92	88	90	96	95	95	89	81	85
6	---	---	---	107	92	96	98	96	98	86	77	80
7	---	---	---	117	104	109	101	97	99	80	77	77
8	---	---	---	106	102	104	104	101	102	79	76	78
9	---	---	---	105	102	103	108	104	106	81	78	80
10	---	---	---	108	102	104	113	108	111	85	81	83
11	---	---	---	109	106	108	124	113	117	88	85	87
12	---	---	---	121	106	112	130	124	127	89	88	89
13	---	---	---	121	107	110	135	130	133	91	89	90
14	---	---	---	111	108	110	136	133	135	93	91	92
15	---	---	---	114	108	112	139	134	136	95	93	94
16	---	---	---	---	---	---	141	137	139	96	94	95
17	---	---	---	---	---	---	142	137	139	99	96	97
18	---	---	---	107	104	106	142	138	140	101	99	100
19	---	---	---	109	106	107	141	140	140	103	101	102
20	---	---	---	111	109	110	141	139	140	102	100	101
21	---	---	---	110	107	108	141	137	140	101	96	99
22	---	---	---	109	107	108	137	132	135	102	96	99
23	---	---	---	108	107	107	138	136	137	108	102	105
24	---	---	---	110	107	108	141	136	138	115	108	112
25	---	---	---	111	107	110	140	137	139	117	115	117
26	---	---	---	112	110	111	140	134	137	117	115	116
27	---	---	---	117	110	114	141	136	138	115	113	114
28	---	---	---	113	110	112	142	137	140	113	111	112
29	---	---	---	115	112	113	145	139	141	111	107	109
30	---	---	---	116	109	112	146	142	144	108	106	107
31	---	---	---	111	109	110	143	124	134	---	---	---
Month	---	---	---	---	---	---	146	95	125	132	76	98

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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	6.4	6.3	6.3	7.2	7.0	7.2
2	---	---	---	6.3	6.2	6.2	6.3	6.2	6.3	7.0	6.8	7.0
3	---	---	---	6.2	6.2	6.2	6.2	6.2	6.2	6.8	6.3	6.5
4	---	---	---	6.2	6.2	6.2	6.2	6.2	6.2	6.3	5.9	6.0
5	---	---	---	6.2	6.2	6.2	6.2	6.2	6.2	6.0	5.9	5.9
6	---	---	---	7.0	6.2	6.2	6.2	6.2	6.2	6.0	5.8	5.9
7	---	---	---	6.9	6.8	6.8	6.3	6.2	6.2	5.9	5.8	5.9
8	---	---	---	6.9	6.4	6.8	6.3	6.2	6.2	6.0	5.8	5.9
9	---	---	---	6.5	6.4	6.5	6.3	6.3	6.3	6.0	6.0	6.0
10	---	---	---	6.5	6.4	6.5	6.3	6.3	6.3	6.0	6.0	6.0
11	---	---	---	6.4	6.4	6.4	6.3	6.3	6.3	6.0	6.0	6.0
12	---	---	---	7.0	6.4	6.4	6.3	6.2	6.3	6.1	6.0	6.0
13	---	---	---	7.0	7.0	7.0	6.2	6.2	6.2	6.0	6.0	6.0
14	---	---	---	7.1	7.0	7.1	6.2	6.2	6.2	6.1	6.0	6.1
15	---	---	---	7.1	6.6	7.0	6.3	6.2	6.2	6.1	6.1	6.1
16	---	---	---	6.7	6.6	6.7	6.3	6.2	6.2	6.2	6.1	6.1
17	---	---	---	6.8	6.7	6.8	6.5	6.2	6.3	6.2	6.2	6.2
18	---	---	---	6.8	6.8	6.8	6.8	6.4	6.5	6.2	6.2	6.2
19	---	---	---	6.9	6.8	6.8	6.5	6.3	6.4	6.2	6.2	6.2
20	---	---	---	6.8	6.6	6.7	6.4	6.3	6.4	6.3	6.2	6.2
21	---	---	---	6.6	6.6	6.6	6.5	6.3	6.4	6.3	6.2	6.2
22	---	---	---	6.6	6.6	6.6	6.5	6.3	6.3	6.3	6.3	6.3
23	---	---	---	6.6	6.5	6.5	6.4	6.3	6.3	6.3	6.3	6.3
24	---	---	---	6.5	6.4	6.5	6.5	6.3	6.3	6.3	6.3	6.3
25	---	---	---	6.5	6.4	6.5	6.7	6.3	6.4	6.3	6.3	6.3
26	---	---	---	6.4	6.4	6.4	7.0	6.4	6.5	6.3	6.3	6.3
27	---	---	---	6.4	6.4	6.4	6.9	6.4	6.6	6.3	6.3	6.3
28	---	---	---	6.4	6.4	6.4	6.9	6.5	6.7	6.3	6.3	6.3
29	---	---	---	6.4	6.4	6.4	7.1	6.6	7.0	6.3	6.3	6.3
30	---	---	---	6.4	6.4	6.4	7.2	7.0	7.1	6.3	6.3	6.3
31	---	---	---	6.4	6.4	6.4	7.2	7.1	7.2	---	---	---
Max	---	---	---	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.0	7.2
Min	---	---	---	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.8	5.9

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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	---	---	---	25.0	23.8	24.4	27.3	25.6	26.4	28.4	26.5	27.5
2	---	---	---	25.1	23.6	24.3	28.0	26.3	27.1	26.5	25.5	26.0
3	---	---	---	25.8	24.3	25.0	28.5	26.8	27.6	25.5	23.8	24.3
4	---	---	---	26.0	24.7	25.3	29.0	27.4	28.1	23.8	22.5	22.9
5	---	---	---	26.3	24.8	25.5	28.3	26.8	27.3	23.1	22.7	22.9
6	---	---	---	27.7	24.9	25.6	27.2	25.7	26.5	22.8	22.2	22.4
7	---	---	---	27.6	26.4	26.9	26.9	25.0	26.0	22.4	21.8	22.1
8	---	---	---	26.7	24.8	26.2	27.7	25.8	26.6	22.3	21.8	22.1
9	---	---	---	24.9	24.0	24.4	27.4	26.0	26.6	22.4	21.4	21.9
10	---	---	---	24.3	23.3	23.9	26.8	24.9	25.5	22.4	21.5	22.0
11	---	---	---	24.4	23.1	23.7	25.9	24.6	25.1	22.2	21.2	21.7
12	---	---	---	27.8	23.7	25.4	24.7	22.9	23.7	21.2	19.9	20.4
13	---	---	---	27.8	27.1	27.3	23.0	22.1	22.6	19.9	19.0	19.3
14	---	---	---	27.2	26.6	26.9	23.7	22.0	22.9	20.5	19.2	19.7
15	---	---	---	26.7	26.1	26.4	25.5	22.5	23.7	21.6	20.3	20.8
16	---	---	---	26.4	25.8	26.1	25.3	24.2	24.7	21.3	20.4	20.8
17	---	---	---	27.0	26.1	26.6	26.6	24.8	25.4	21.5	20.2	20.8
18	---	---	---	27.3	26.8	27.1	27.0	25.2	26.1	22.1	20.1	21.0
19	---	---	---	27.2	26.8	26.9	26.1	24.6	25.2	22.8	21.0	21.7
20	---	---	---	26.9	26.2	26.4	27.1	25.2	25.8	22.7	21.7	22.1
21	---	---	---	26.5	25.9	26.2	27.0	25.7	26.1	22.0	19.1	20.0
22	---	---	---	26.5	26.2	26.3	26.7	25.6	26.0	19.4	17.4	18.3
23	---	---	---	26.3	25.7	25.9	26.7	25.6	26.0	21.6	18.6	19.5
24	---	---	---	25.7	25.2	25.4	27.0	25.1	25.7	23.8	21.5	22.2
25	---	---	---	25.3	24.8	25.1	27.6	25.1	26.2	23.8	21.8	22.6
26	---	---	---	25.1	24.6	24.8	28.6	25.8	26.8	21.8	19.6	20.5
27	---	---	---	25.5	24.7	25.1	28.4	25.9	27.1	20.3	18.9	19.5
28	---	---	---	25.8	24.7	25.2	28.8	26.4	27.4	20.0	18.8	19.2
29	---	---	---	25.8	24.9	25.3	29.2	27.2	28.4	19.8	18.4	19.1
30	---	---	---	25.9	24.8	25.3	29.5	28.8	29.2	18.7	16.8	18.0
31	---	---	---	26.7	25.1	25.8	29.3	28.3	28.9	---	---	---
Month	---	---	---	27.8	23.1	25.6	29.5	22.0	26.2	28.4	16.8	21.4

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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	---	---	---	3.4	2.4	2.8	2.2	1.1	1.7	---	---	---
2	---	---	---	3.6	3.4	3.5	2.8	2.0	2.4	7.4	5.8	7.0
3	---	---	---	3.5	3.1	3.3	2.7	2.4	2.5	6.2	3.3	4.7
4	---	---	---	3.1	2.5	2.9	2.6	2.2	2.4	3.9	3.3	3.6
5	---	---	---	2.5	2.2	2.3	2.8	2.3	2.5	4.5	3.8	4.1
6	---	---	---	6.1	1.8	2.6	2.4	2.1	2.3	4.5	3.8	4.2
7	---	---	---	6.0	5.3	5.6	2.5	2.3	2.4	4.0	3.4	3.7
8	---	---	---	5.8	4.2	5.3	2.5	2.3	2.4	3.5	3.1	3.3
9	---	---	---	4.4	3.6	4.0	2.5	2.3	2.4	3.1	2.8	3.0
10	---	---	---	3.7	2.5	3.2	2.5	1.9	2.2	2.8	2.7	2.8
11	---	---	---	2.5	2.1	2.2	2.5	1.9	2.2	3.0	2.7	2.9
12	---	---	---	6.4	1.5	3.7	2.0	1.6	1.8	3.3	3.0	3.2
13	---	---	---	6.3	6.0	6.1	1.8	1.4	1.6	3.5	3.3	3.4
14	---	---	---	6.2	5.8	6.1	---	---	---	3.6	3.2	3.4
15	---	---	---	---	---	---	---	---	---	3.2	2.9	3.1
16	---	---	---	4.6	3.6	4.2	---	---	---	3.0	2.9	2.9
17	---	---	---	5.0	4.4	4.8	---	---	---	2.9	2.7	2.8
18	---	---	---	5.2	4.9	5.1	---	---	---	2.7	2.4	2.6
19	---	---	---	4.9	4.0	4.4	---	---	---	2.4	1.8	2.1
20	---	---	---	4.0	2.5	3.3	---	---	---	2.5	1.8	2.1
21	---	---	---	2.7	2.4	2.5	---	---	---	2.4	1.8	2.1
22	---	---	---	2.8	2.5	2.6	---	---	---	2.7	2.4	2.6
23	---	---	---	2.6	1.6	1.9	---	---	---	2.7	2.4	2.6
24	---	---	---	1.7	1.0	1.2	---	---	---	2.4	1.5	2.0
25	---	---	---	2.2	0.9	1.3	---	---	---	1.6	1.4	1.5
26	---	---	---	1.0	0.3	0.6	---	---	---	2.0	1.6	1.8
27	---	---	---	1.4	0.1	0.4	---	---	---	2.5	2.0	2.3
28	---	---	---	1.4	0.8	1.0	---	---	---	2.9	2.5	2.8
29	---	---	---	1.1	0.6	0.9	---	---	---	3.0	2.7	2.9
30	---	---	---	0.6	0.4	0.5	7.2	6.3	7.0	2.9	2.4	2.7
31	---	---	---	1.1	0.5	0.7	7.2	6.9	7.1	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081051 CONOHO CREEK AT MOUTH NEAR WILLIAMSTON, 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	---	---	---	41	29	34	28	14	21	96	78	92
2	---	---	---	44	41	43	36	25	31	92	71	86
3	---	---	---	42	38	41	34	30	32	76	39	57
4	---	---	---	38	31	35	34	28	31	46	39	42
5	---	---	---	31	27	29	36	29	31	53	44	48
6	---	---	---	78	22	33	30	26	29	52	44	49
7	---	---	---	76	66	70	31	28	30	46	39	42
8	---	---	---	73	51	66	31	28	30	40	36	38
9	---	---	---	53	43	48	31	28	30	36	32	34
10	---	---	---	44	30	38	31	23	26	32	31	32
11	---	---	---	30	25	26	31	23	26	34	31	33
12	---	---	---	82	18	46	24	19	22	37	33	35
13	---	---	---	81	76	78	21	16	19	38	36	37
14	---	---	---	78	73	77	---	---	---	39	36	38
15	---	---	---	---	---	---	---	---	---	36	33	35
16	---	---	---	---	---	---	---	---	---	34	32	33
17	---	---	---	---	---	---	---	---	---	32	30	31
18	---	---	---	65	62	64	---	---	---	30	27	29
19	---	---	---	62	50	56	---	---	---	27	20	24
20	---	---	---	50	31	41	---	---	---	29	21	24
21	---	---	---	34	30	32	---	---	---	26	20	23
22	---	---	---	35	31	33	---	---	---	29	26	28
23	---	---	---	32	20	23	---	---	---	29	27	29
24	---	---	---	21	12	14	---	---	---	27	18	23
25	---	---	---	27	11	16	---	---	---	19	16	18
26	---	---	---	12	4	8	---	---	---	22	18	20
27	---	---	---	17	1	4	---	---	---	27	22	25
28	---	---	---	17	10	12	---	---	---	31	27	30
29	---	---	---	13	7	10	---	---	---	33	29	31
30	---	---	---	7	5	6	95	82	91	30	25	28
31	---	---	---	14	6	8	94	89	92	---	---	---
Month	---	---	---	---	---	---	---	---	---	96	16	36