



Water-Data Report 2007

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 36°06'52", long 78°51'30" referenced to North American Datum of 1983, Durham County, NC, Hydrologic Unit 03020201, 0.2 mi above mouth and 0.8 mi northeast of Fairntosh.

DRAINAGE AREA.--0.86 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1994 to current year.

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
Oct 18...	1200	1.1	752	8.2	88	6.6	202	17.6	.77	.81	E.016	.49	.003
Nov 16...	1300	22	744	8.2	86	5.9	84	16.7	.99	.87	<.020	.22	.002
Jan 30...	1130	.35	755	14.0	107	6.5	166	3.5	.16	.13	E.012	.09	<.002
Mar 07...	1445	.57	757	9.1	87	6.5	139	13.1	.26	.26	E.015	.08	.003
Apr 16...	1500	4.1	744	9.6	97	5.9	107	14.6	.48	.49	<.020	.30	E.002
May 30...	1315	.02	753	9.0	107	7.3	222	23.3	.35	.32	E.019	.15	.002

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Aluminum, water, recover-able, µg/L (01105)	Arsenic, water, unfltrd, µg/L (01002)	Cadmium, water, unfltrd, µg/L (01027)	Chromium, water, recover-able, µg/L (01034)	Cobalt, water, recover-able, µg/L (01037)	Copper, water, recover-able, µg/L (01042)	Iron, water, recover-able, µg/L (01045)	Lead, water, recover-able, µg/L (01051)
Oct 18...	1.3	1.3	.067	.07	.12	255	1.3	.02	.68	.314	4.8	526	.39
Nov 16...	1.2	1.1	.097	.13	.21	965	1.6	.02	1.1	.721	10.1	1,050	1.83
Jan 30...	.24	.22	.006	<.04	<.04	--	--	--	--	--	--	--	--
Mar 07...	.34	.34	.007	<.04	<.04	--	--	--	--	--	--	--	--
Apr 16...	.77	.79	.015	E.03	.05	--	--	--	--	--	--	--	--
May 30...	.50	.47	.009	<.04	E.03	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Manganese, water, unfltrd recover-able, µg/L (01055)	Mercury, water, unfltrd recover-able, µg/L (71900)	Molybdenum, water, unfltrd recover-able, µg/L (01062)	Nickel, water, unfltrd recover-able, µg/L (01067)	Selenium, water, unfltrd, µg/L (01147)	Silver, water, unfltrd recover-able, µg/L (01077)	Zinc, water, unfltrd recover-able, µg/L (01092)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
Oct 18...	80.2	E.006	.3	.52	.19	<.02	3	12	.03
Nov 16...	106	.016	.1	.91	.15	E.01	8	95	5.7
Jan 30...	--	--	--	--	--	--	--	2	.00
Mar 07...	--	--	--	--	--	--	--	23	.04
Apr 16...	--	--	--	--	--	--	--	27	.30
May 30...	--	--	--	--	--	--	--	6	.00