



## Water-Data Report 2009

**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 mi<sup>2</sup>.**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 2008 TO SEPTEMBER 2009**

Part 1 of 3

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

Date	Time	Medium name	Sample type	Baro-metric pressure, mm Hg (00025)	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Dissolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
Oct 01...	1230	Surface water	Regular	746	.59	8.1	91	7.0
Dec 29...	1215	Surface water	Regular	757	.52	9.5	89	7.1
Feb 18...	1200	Surface water	Regular	748	6.1	11.2	94	7.4
Apr 10...	1030	Surface water	Regular	750	.50	10.3	96	7.0
May 29...	1315	Surface water	Regular	752	.21	7.3	84	7.4
Jul 06...	1200	Surface water	Regular	749	1.2	7.2	83	6.2
Sep 23...	0930	Surface water	Regular	756	.39	7.3	83	6.6

## 0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 3

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

Date	Specif-ic conduc-tance, wat unf μS/cm @ 25 degC (00095)	Temper-ature, water, deg C (00010)	Ammonia + org-N, water, mg/L (00625)	Ammonia water, mg/L (00608)	Nitrate + nitrite water, mg/L (00631)	Nitrate water, mg/L (00618)	Nitrite water, mg/L (00613)	Ortho-phos-phate, water, mg/L (00671)	Phos-phorus, water, mg/L (00665)	Alum-inum, water, unfltrd recover-able, μg/L (01105)	Chrom-ium, water, unfltrd recover-able, μg/L (01034)	Cobalt water, unfltrd recover-able, μg/L (01037)
Oct 01...	135	19.6	.50	.025	.248	.25	.003	.012	.048	--	--	--
Dec 29...	176	12.0	.28	E.011	.105	--	<.002	.010	.023	--	--	--
Feb 18...	114	7.0	.73	.033	.487	.48	.005	.047	.149	559	<.06	.71
Apr 10...	164	11.5	.41	E.016	.021	--	<.002	.009	.016	--	--	--
May 29...	202	21.7	.39	.039	.296	.29	.007	.022	.048	--	--	--
Jul 06...	141	21.6	.95	.055	.660	.65	.007	.057	.149	--	--	--
Sep 23...	189	21.4	.88	E.017	.921	.92	.005	.078	.149	--	--	--

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 3

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

Date	Copper, water, unfltrd recover- able, μg/L (01042)	Iron, water, unfltrd recover- able, μg/L (01045)	Lead, water, unfltrd recover- able, μg/L (01051)	Mangan-ese, water, unfltrd recover- able, μg/L (01055)	Mercury, water, unfltrd recover- able, μg/L (71900)	Molyb-denum, water, unfltrd recover- able, μg/L (01062)	Nickel, water, unfltrd recover- able, μg/L (01067)	Silver, water, unfltrd recover- able, μg/L (01077)	Zinc, water, unfltrd recover- able, μg/L (01092)	Arsenic, water, unfltrd recover- able, μg/L (01002)	Selen-iumpm, water, unfltrd recover- able, μg/L (01147)	Sus-pended sediment concen-tration mg/L (80154)	Sus-pended sediment dis-charge, tons/d (80155)
Oct 01...	--	--	--	--	--	--	--	--	--	--	--	7	.01
Dec 29...	--	--	--	--	--	--	--	--	--	--	--	4	.01
Feb 18...	5.5	1,150	1.20	161	E.006	.2	.48	<.06	4.9	1.2	E.12	62	1.0
Apr 10...	--	--	--	--	--	--	--	--	--	--	--	5	.01
May 29...	--	--	--	--	--	--	--	--	--	--	--	8	.00
Jul 06...	--	--	--	--	--	--	--	--	--	--	--	34	.11
Sep 23...	--	--	--	--	--	--	--	--	--	--	--	39	.04