0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC

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

DRAINAGE AREA.--0.86 mi^2.

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 2004 TO SEPTEMBER 2005

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)	Specif. conductance, wat unf uS/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)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
05...	1200	.13	760	7.7	80	7.0	244	17.4	.40	.39	E.04	--	.07
NOV													
22...	1330	.20	754	--	--	--	--	--	.33	.28	<.04	--	E.03
DEC													
22...	1030	.40	759	12.1	89	7.3	158	2.6	.29	.25	.05	--	.07
FEB													
11...	1100	.34	752	12.3	96	7.1	202	4.3	.26	.23	E.02	--	E.04
APR													
07...	1300	.58	749	10.4	110	7.3	110	17.4	.23	.25	<.04	--	E.05
JUN													
02...	1415	E1.0	752	8.4	89	7.1	253	17.2	4.5	4.5	1.95	.70	.73
JUL													
29...	1015	.09	758	7.0	84	6.9	187	23.6	.50	.67	<.04	--	.54

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)
OCT													
05...	<.008	--	--	.47	.46	E.01	<.04	E.04	78	E1	<.04	<.8	.587
NOV													
22...	<.008	--	--	--	--	<.02	<.04	E.02	--	--	--	--	--
DEC													
22...	<.008	.23	.20	.35	.32	<.02	<.04	<.04	30	<2	<.04	<.8	.537
FEB													
11...	<.008	--	--	--	--	<.02	<.04	<.04	--	--	--	--	--
APR													
07...	<.008	--	--	--	--	<.02	<.04	<.04	--	--	--	--	--
JUN													
02...	.029	2.6	2.6	5.2	5.3	.06	.08	.14	--	--	--	--	--
JUL													
29...	E.007	--	--	1.0	1.2	.03	.05	.11	--	--	--	--	--

Date	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT												
05...	1.4	1,420	.19	612	<.01	.4	.72	<.4	<.16	E1	9	.00
NOV												
22...	--	--	--	--	--	--	--	--	--	--	6	.00
DEC												
22...	1.2	1,160	E.04	437	<.01	E.2	.41	.6	<.16	E1	2	.00
FEB												
11...	--	--	--	--	--	--	--	--	--	--	3	.00
APR												
07...	--	--	--	--	--	--	--	--	--	--	8	.01
JUN												
02...	--	--	--	--	--	--	--	--	--	--	38	--
JUL												
29...	--	--	--	--	--	--	--	--	--	--	12	.00