Ambient Monitoring System Station Summaries
NCDENR, Division of Water Quality
Basinwide Assessment Report

Location: MIDDLE CRK AT NC 210 NR SMITHFIELD

Station #: J5010000 **Hydrologic Unit Code:** 03020201
Latitude: 35.50750 **Longitude:** -78.40139 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-43-15-(4)

Time period: 01/19/2005 to 12/09/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6	6.4	6.9	8.7	10.8	12.8
	85	0	<5	0	0		5.5	6	6.4	6.9	8.7	10.8	12.8
pH (SU)	85	0	<6	0	0		6.1	6.7	6.8	7	7	7.1	7.4
	85	0	>9	0	0		6.1	6.7	6.8	7	7	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				92	110	126	161	204	253	310
Water Temperature (°C)	85	0	>32	0	0		4.3	8	13.7	21.5	24.5	26.4	29
Other													
TSS (mg/L)	60	3	N/A				1	1.7	2.7	6.2	9.9	17.8	55
Turbidity (NTU)	60	0	>50	4	6.7		3.7	5.5	7.4	11	15.8	39.3	260
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.01	0.04	0.07	0.11	0.38
NO2 + NO3 as N	60	1	N/A				0.01	0.19	0.24	0.34	0.43	0.48	1.07
TKN as N	60	1	N/A				0.2	0.33	0.43	0.61	0.69	0.95	1.15
Total Phosphorus	60	0	N/A				0.05	0.08	0.1	0.14	0.2	0.24	0.62

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	99.4	7	11.7	

Key:
result: number of observations
ND: number of observations reported to be below detection level (non-detect)
EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
Results not meeting EL: number and percentages of observations not meeting evaluation level
%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
Stations with less than 10 results for a given parameter were not evaluated for statistical confidence