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

Location: SMITH CRK AT SR 2045 BURLINGTON MILL RD NR WAKE FOREST

Station #: J2230000 **Hydrologic Unit Code:** 03020201

Latitude: 35.91820 **Longitude:** -78.53480 **Stream class:** C NSW

Agency: LNBA **NC stream index:** 27-23-(2)

Time period: 01/13/2005 to 12/21/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	<4	0	0		5.3	5.9	6.4	7.6	9.1	11.1	13.7
	83	0	<5	0	0		5.3	5.9	6.4	7.6	9.1	11.1	13.7
pH (SU)	83	0	<6	0	0		6.4	6.7	6.9	7.1	7.2	7.4	7.6
	83	0	>9	0	0		6.4	6.7	6.9	7.1	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	83	0	N/A				73	98	112	137	169	189	255
Water Temperature (°C)	83	0	>32	0	0		3.8	7.4	12.3	20.9	24.5	26.1	27.9
Other													
TSS (mg/L)	59	1	N/A				1	3.4	4.5	7.7	17	43	432
Turbidity (NTU)	59	0	>50	2	3.4		2.3	4	6.2	9.2	14	33	65
Nutrients (mg/L)													
NH3 as N	59	14	N/A				0.01	0.01	0.01	0.04	0.06	0.1	0.49
NO2 + NO3 as N	59	0	N/A				0.1	0.34	0.51	0.8	0.94	1.18	1.52
TKN as N	59	12	N/A				0.2	0.2	0.22	0.36	0.53	0.94	1.31
Total Phosphorus	59	3	N/A				0.02	0.04	0.06	0.09	0.12	0.27	0.64

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
59	122.9	10	16.9	

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