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

Location: SWIFT CRK AT NC 210 NR SMITHFIELD

Station #: J4590000 **Hydrologic Unit Code:** 03020201

Latitude: 35.51860 **Longitude:** -78.38190 **Stream class:** C NSW

Agency: LNBA **NC stream index:** 27-43-(8)

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

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.8	6.1	6.5	7.1	8.6	10.7	12.5
	85	0	<5	1	1.2		4.8	6.1	6.5	7.1	8.6	10.7	12.5
pH (SU)	85	0	<6	0	0		6.2	6.7	6.8	7	7.1	7.2	7.4
	85	0	>9	0	0		6.2	6.7	6.8	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	75	92	114	150	175	241
Water Temperature (°C)	85	0	>32	0	0		4.4	8	13.8	21.7	25.2	27	29.9
Other													
TSS (mg/L)	60	2	N/A				1	1.8	3.4	5.7	11.8	45.2	2060
Turbidity (NTU)	60	0	>50	5	8.3		3.8	5.5	6.5	11	18	40	1500
Nutrients (mg/L)													
NH3 as N	60	14	N/A				0.01	0.01	0.01	0.04	0.08	0.16	0.44
NO2 + NO3 as N	60	2	N/A				0.01	0.05	0.13	0.18	0.27	0.37	0.8
TKN as N	60	2	N/A				0.2	0.33	0.4	0.52	0.7	1.05	3.96
Total Phosphorus	60	1	N/A				0.03	0.04	0.07	0.1	0.16	0.28	1.89

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	118.7	6	10	

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