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

Location: CAPE FEAR RIV AT NEILS EDDY LANDING NR ACME

Station #: B8450000 **Hydrologic Unit Code:** 03030005
Latitude: 34.35547 **Longitude:** -78.17942 **Stream class:** C Sw
Agency: LCFRP **NC stream index:** 18-(63)

Time period: 01/12/2005 to 12/10/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	137	0	N/A				3.3	5.2	5.9	6.6	7.8	9.9	12.2
pH (SU)	137	0	<4.3	0	0		6.1	6.6	6.7	6.9	7	7.2	7.6
	137	0	>9	0	0		6.1	6.6	6.7	6.9	7	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	137	5	N/A				59	106	124	152	234	313	628
Water Temperature (°C)	137	0	>32	0	0		6.1	11.1	20.8	26	28.9	30	31.4
Other													
TSS (mg/L)	60	0	N/A				2	5	6.2	9.5	15	28.6	77
Nutrients (mg/L)													
NH3 as N	60	3	N/A				0.01	0.02	0.05	0.08	0.14	0.26	0.46
NO2 + NO3 as N	60	0	N/A				0.12	0.3	0.45	0.59	0.79	0.99	2.25
TKN as N	60	0	N/A				0.2	0.45	0.61	0.8	1.1	1.49	2.5
Total Phosphorus	60	0	N/A				0.08	0.1	0.11	0.15	0.18	0.22	0.35

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	32.1	2	3.3	

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