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

Location: CAPE FEAR RIV AT CM 42

Station #: B9845100 **Hydrologic Unit Code:** 03030005

Latitude: 34.09017 **Longitude:** -77.93355 **Stream class:** SC

Agency: LCFRP **NC stream index:** 18-(71)

Time period: 01/11/2005 to 12/01/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<5	9	10.6	65.7	3.6	4.8	5.6	6.8	8.2	9.7	11.4
pH (SU)	85	0	<6.8	2	2.4		6.7	7.2	7.4	7.6	7.8	7.9	8.1
	85	0	>8.5	0	0		6.7	7.2	7.4	7.6	7.8	7.9	8.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				1157	5075	12787	21018	28425	36582	45444
Water Temperature (°C)	85	0	>32	0	0		8.6	11.7	15.8	24.3	28.2	29.4	31.1
Other													
TSS (mg/L)	60	0	N/A				5	6.1	8	12	16	20.9	27
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.01	0.02	0.05	0.08	0.11	0.14
NO2 + NO3 as N	60	1	N/A				0.02	0.08	0.16	0.26	0.36	0.46	0.56
TKN as N	60	1	N/A				0.1	0.2	0.42	0.6	0.92	1.12	6.2
Total Phosphorus	60	0	N/A				0.01	0.04	0.06	0.07	0.09	0.11	0.12

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	15.9	1	1.7	

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