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

Location: CAPE FEAR RIV AT CM 35

Station #: B9850100 **Hydrologic Unit Code:** 03030005

Latitude: 34.03348 **Longitude:** -77.93702 **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	5	5.9		4.1	5.3	5.9	7	8.2	9.6	11.3
pH (SU)	85	0	<6.8	0	0		6.9	7.4	7.6	7.7	7.9	8	8.2
	85	0	>8.5	0	0		6.9	7.4	7.6	7.7	7.9	8	8.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				3269	9802	20104	27750	35199	42742	49443
Water Temperature (°C)	85	0	>32	0	0		8.5	11.8	16.1	24.7	28.2	29.3	31.2
Other													
TSS (mg/L)	60	0	N/A				4	6	8	10	13.8	18.9	22
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.02	0.04	0.06	0.1	0.12
NO2 + NO3 as N	60	1	N/A				0.02	0.05	0.1	0.2	0.31	0.38	0.46
TKN as N	60	3	N/A				0.1	0.2	0.24	0.55	0.7	0.9	1.8
Total Phosphorus	60	0	N/A				0.01	0.03	0.05	0.06	0.07	0.09	0.12
Metals (ug/L)													
Aluminum, total (Al)	13	0	N/A				38	52	173	272	434	1204	1600
Arsenic, total (As)	13	11	>10	2	15.4	86.6	1	5	10	10	10	15	15
Cadmium, total (Cd)	13	13	>5	0	0		1	1.4	2	2	2	2	2
Chromium, total (Cr)	13	13	>20	0	0		5	13	25	25	25	25	25
Copper, total (Cu)	13	10	>3	3	23.1	96.6	2	2	2	2	4	8	8
Iron, total (Fe)	13	0	N/A				225	238	298	342	709	1306	1550
Lead, total (Pb)	13	13	>25	0	0		3	6	10	10	10	10	10
Mercury, total (Hg)	13	13	>0.025	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	13	12	>8.3	1	7.7		5	7	10	10	10	10	10
Zinc, total (Zn)	13	10	>86	0	0		10	10	10	10	10	16	17

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	8.8	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