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

Location: CAPE FEAR RIV AT INTAKE NR HOOPER HILL

Station #: B8465000 **Hydrologic Unit Code:** 03030005

Latitude: 34.33581 **Longitude:** -78.05436 **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				2.3	3.6	4.5	5.5	7	9.7	12.1
pH (SU)	137	0	<4.3	0	0		4.7	6.6	6.7	6.8	6.9	7.1	7.4
	137	0	>9	0	0		4.7	6.6	6.7	6.8	6.9	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	137	2	N/A				68	121	144	180	236	312	567
Water Temperature (°C)	137	0	>32	0	0		6.2	11.3	20.9	26	28.8	29.8	31
Other													
TSS (mg/L)	60	1	N/A				2	6	7	10	16	24	61
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.02	0.05	0.08	0.11	0.14	0.24
NO2 + NO3 as N	60	0	N/A				0.04	0.17	0.41	0.5	0.69	0.91	1.25
TKN as N	60	0	N/A				0.3	0.5	0.7	0.8	1.09	1.63	2
Total Phosphorus	60	0	N/A				0.06	0.09	0.1	0.13	0.16	0.2	0.25
Metals (ug/L)													
Aluminum, total (Al)	13	0	N/A				58	94	294	431	685	1348	1540
Arsenic, total (As)	13	13	>10	0	0		1	1	10	10	10	10	10
Cadmium, total (Cd)	13	13	>2	0	0		1	1	2	2	2	2	2
Chromium, total (Cr)	13	13	>50	0	0		5	5	25	25	25	25	25
Copper, total (Cu)	13	11	>7	0	0		2	2	2	2	2	3	4
Iron, total (Fe)	13	0	>1000	2	15.4	86.6	549	579	664	803	960	1780	2280
Lead, total (Pb)	13	13	>25	0	0		3	3	10	10	10	10	10
Mercury, total (Hg)	13	13	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	13	13	>88	0	0		5	5	10	10	10	10	10
Zinc, total (Zn)	13	9	>50	0	0		9	9	10	10	10	12	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	32	0	0	

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