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

Location: CAPE FEAR RIV DNS RR BRIDGE AT NAVASSA

Station #: B9050025 **Hydrologic Unit Code:** 03030005
Latitude: 34.25943 **Longitude:** -77.98767 **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)	138	0	<5	71	51.4	100	3	3.6	4	4.9	6.3	8.7	11.5
pH (SU)	138	0	<6.8	45	32.6	100	6	6.5	6.7	6.9	7	7.2	7.9
	138	0	>8.5	0	0		6	6.5	6.7	6.9	7	7.2	7.9
Spec. conductance (umhos/cm at 25°C)	138	6	N/A				90	117	173	1144	7427	14649	31785
Water Temperature (°C)	138	0	>32	0	0		6.7	12	20.8	25.9	28.8	29.9	31.7
Other													
TSS (mg/L)	60	0	N/A				5	8	10.5	15.5	24	44.7	85
Turbidity (NTU)	60	0	>25	10	16.7	96.6	4.4	7.8	9.4	13.1	19.3	37.4	74.1
Nutrients (mg/L)													
NH3 as N	59	1	N/A				0.02	0.02	0.04	0.07	0.09	0.11	0.15
NO2 + NO3 as N	60	0	N/A				0.07	0.2	0.33	0.42	0.56	0.73	0.91
TKN as N	60	0	N/A				0.1	0.42	0.61	0.8	1	1.31	2.1
Total Phosphorus	60	0	N/A				0.05	0.08	0.09	0.12	0.16	0.2	0.27
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				287	298	329	401	566	962	1250
Arsenic, total (As)	14	14	>10	0	0		1	2	10	10	10	10	10
Cadmium, total (Cd)	14	14	>5	0	0		1	1	2	2	2	2	2
Chromium, total (Cr)	14	14	>20	0	0		5	5	25	25	25	25	25
Copper, total (Cu)	14	12	>3	0	0		2	2	2	2	2	2	3
Iron, total (Fe)	14	0	N/A				546	570	664	802	1001	2130	2340
Lead, total (Pb)	14	14	>25	0	0		3	3	10	10	10	10	10
Mercury, total (Hg)	14	14	>0.025	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	14	14	>8.3	0	0		5	5	10	10	10	10	10
Zinc, total (Zn)	14	9	>86	0	0		7	7	10	10	10	18	22

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	40.4	3	5	

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