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

Location: CAPE FEAR RIV AT CM 61 AT WILMINGTON

Station #: B9800000 **Hydrologic Unit Code:** 03030005
Latitude: 34.19431 **Longitude:** -77.95679 **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	31	36.5	100	3	4	4.7	5.7	7.7	9.5	10.6
pH (SU)	85	0	<6.8	8	9.4		6.1	6.8	7	7.2	7.4	7.5	7.9
	85	0	>8.5	0	0		6.1	6.8	7	7.2	7.4	7.5	7.9
Spec. conductance (umhos/cm at 25°C)	85	2	N/A				100	934	6132	13315	20479	28399	39744
Water Temperature (°C)	85	0	>32	0	0		7.7	11.4	16	23.9	28.4	29.8	31.7
Other													
Chlorophyll a (ug/L)	25	1	>40	0	0		1	2	4	8	14	23	24
TSS (mg/L)	60	0	N/A				5	7	8.2	10	15.5	18.9	35
Turbidity (NTU)	60	0	>25	3	5		3.3	4.9	6	7.9	9.5	18.9	42.2
Nutrients (mg/L)													
NH3 as N	60	3	N/A				0.01	0.02	0.04	0.07	0.1	0.12	0.25
NO2 + NO3 as N	60	0	N/A				0.02	0.11	0.23	0.33	0.46	0.55	0.64
TKN as N	60	1	N/A				0.1	0.31	0.56	0.7	0.83	1.1	1.5
Total Phosphorus	60	0	N/A				0.04	0.06	0.07	0.09	0.1	0.12	0.24

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	33.1	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