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

Location: NEUSE RIV ABOVE MILBURNIE DAM NR RALEIGH

Station #: J2360000 **Hydrologic Unit Code:** 03020201
Latitude: 35.80222 **Longitude:** -78.53861 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-(22.5)

Time period: 02/26/2007 to 12/21/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	50	0	<4	0	0		4	5.3	5.7	6.4	8.3	10.6	11.2
	50	0	<5	1	2		4	5.3	5.7	6.4	8.3	10.6	11.2
pH (SU)	50	0	<6	0	0		6.4	6.7	6.8	6.9	7.1	7.4	7.6
	50	0	>9	0	0		6.4	6.7	6.8	6.9	7.1	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	50	0	N/A				71	94	108	142	214	230	312
Water Temperature (°C)	50	0	>32	0	0		5	7.4	11.5	22	25.8	27.7	31.4
Other													
TSS (mg/L)	35	0	N/A				2.6	4.3	5.7	7.7	10	18.4	24
Turbidity (NTU)	35	0	>50	0	0		4	5.3	7.1	12	18	23.8	33
Nutrients (mg/L)													
NH3 as N	35	8	N/A				0.01	0.01	0.01	0.04	0.08	0.17	1.25
NO2 + NO3 as N	35	15	N/A				0.01	0.01	0.01	0.01	0.2	0.28	0.81
TKN as N	35	1	N/A				0.2	0.34	0.49	0.66	0.96	1.3	1.73
Total Phosphorus	35	4	N/A				0.02	0.02	0.05	0.08	0.12	0.2	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
35	35.7	5	14.3	

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