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

Location: NEUSE RIV AT SR 2215 BUFFALO RD NR NEUSE

Station #: J2330000 **Hydrologic Unit Code:** 03020201
Latitude: 35.84790 **Longitude:** -78.53020 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-(22.5)

Time period: 01/13/2005 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)	85	0	<4	0	0		4.9	5.6	6	7	9.3	10.3	12.6
	85	0	<5	1	1.2		4.9	5.6	6	7	9.3	10.3	12.6
pH (SU)	85	0	<6	0	0		6.5	6.7	6.9	7	7.2	7.4	7.6
	85	0	>9	0	0		6.5	6.7	6.9	7	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				70	97	107	139	172	187	251
Water Temperature (°C)	85	0	>32	0	0		5.7	7.4	12	21.6	25.6	27	28.9
Other													
TSS (mg/L)	60	0	N/A				3.8	6.1	8.8	14	20	48.6	357
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.6	7.4	12	15	21.8	63.6	380
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.01	0.04	0.06	0.12	0.18	0.34
NO2 + NO3 as N	60	1	N/A				0.01	0.09	0.14	0.23	0.31	0.4	0.52
TKN as N	60	4	N/A				0.2	0.25	0.43	0.57	0.86	1	1.7
Total Phosphorus	60	4	N/A				0.02	0.04	0.06	0.09	0.13	0.19	0.87

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	108.9	13	21.7	69.4

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