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

Location: NEUSE RIV AT SR 1201 RICHARDSON BRIDGE RD NR COX MILL

Station #: J5250000 **Hydrologic Unit Code:** 03020201

Latitude: 35.37410 **Longitude:** -78.19620 **Stream class:** WS-IV NSW

Agency: LNBA **NC stream index:** 27-(49.5)

Time period: 01/13/2005 to 12/28/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.6	6.1	6.5	7.2	9.4	11.2	12.8
	85	0	<5	0	0		5.6	6.1	6.5	7.2	9.4	11.2	12.8
pH (SU)	85	0	<6	0	0		6.3	6.6	6.8	6.9	7.1	7.3	7.4
	85	0	>9	0	0		6.3	6.6	6.8	6.9	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				81	100	116	148	185	234	270
Water Temperature (°C)	85	0	>32	0	0		4.7	6.8	11.2	19.4	24.2	27.5	29.8
Other													
TSS (mg/L)	60	0	N/A				3.2	7.5	11	23.5	36.8	88.8	520
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.5	8	13	24.5	36.8	64	130
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.01	0.04	0.09	0.17	0.26
NO2 + NO3 as N	60	0	>10	0	0		0.14	0.26	0.32	0.46	0.65	0.88	1.34
TKN as N	60	1	N/A				0.2	0.3	0.4	0.55	0.82	1.28	2.49
Total Phosphorus	60	1	N/A				0.02	0.08	0.13	0.18	0.26	0.33	2.37
Metals (ug/L)													
Aluminum, total (Al)	28	0	N/A				130	258	394	670	1878	4504	8344
Arsenic, total (As)	28	28	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	28	28	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	28	25	>50	0	0		5	5	5	5	5	6	13
Copper, total (Cu)	28	5	>7	4	14.3	85.8	2	2	2	3	5	9	13
Iron, total (Fe)	28	0	>1000	20	71.4	100	367	685	937	1288	2523	5233	9620
Lead, total (Pb)	28	24	>25	0	0		5	5	5	5	5	8	11
Manganese, total (Mn)	28	0	>200	5	17.9	94.5	36	59	74	100	186	399	1340
Mercury, total (Hg)	28	28	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	28	26	>25	0	0		10	10	10	10	10	10	18
Zinc, total (Zn)	28	13	>50	2	7.1		10	10	10	11	21	38	60

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	96.7	7	11.7	

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