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

Location: NEUSE RIV NR SR 1802 BRAXTON RD NR TICK BITE

Station #: J6340000 **Hydrologic Unit Code:** 03020202

Latitude: 35.33527 **Longitude:** -77.45702 **Stream class:** C NSW

Agency: LNBA **NC stream index:** 27-(75.7)

Time period: 01/21/2005 to 09/29/2008

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	62	0	<4	3	4.8		1.4	5	5.6	6.4	7.6	9.8	10.1
	62	0	<5	5	8.1		1.4	5	5.6	6.4	7.6	9.8	10.1
pH (SU)	62	0	<6	0	0		6.4	6.5	6.8	7	7.2	7.4	7.8
	62	0	>9	0	0		6.4	6.5	6.8	7	7.2	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	62	0	N/A				90	104	128	161	194	222	278
Water Temperature (°C)	62	0	>32	0	0		6.7	8.5	16	23.1	26.8	28.5	31.4
Other													
TSS (mg/L)	44	0	N/A				1.1	3.1	7.9	14.5	25.8	39.5	104
Turbidity (NTU)	44	0	>50	2	4.5		2.7	5.2	10.5	15	24.5	37	55
Nutrients (mg/L)													
NH3 as N	44	7	N/A				0.01	0.01	0.03	0.04	0.06	0.12	0.47
NO2 + NO3 as N	44	0	N/A				0.11	0.24	0.37	0.44	0.54	0.75	0.85
TKN as N	44	3	N/A				0.2	0.22	0.38	0.56	0.66	0.94	1.48
Total Phosphorus	44	0	N/A				0.07	0.08	0.09	0.12	0.15	0.21	9.96
Metals (ug/L)													
Aluminum, total (Al)	27	0	N/A				92	196	283	902	1458	2799	3834
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	26	>2	1	3.7		1	1	1	1	1	1	3
Chromium, total (Cr)	27	27	>50	0	0		2	5	5	5	5	5	5
Copper, total (Cu)	27	7	>7	0	0		2	2	2	2	4	5	6
Iron, total (Fe)	27	0	>1000	23	85.2	100	617	807	1297	1618	2160	3062	3766
Lead, total (Pb)	27	25	>25	0	0		5	5	5	5	5	5	7
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	9	>50	2	7.4		10	10	10	11	16	43	534

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
44	62.5	5	11.4	

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