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

Location: NEUSE RIV AT SR 1700 COVERED BRIDGE RD NR ARCHERS LODGE

Station #: J4130000 **Hydrologic Unit Code:** 03020201

Latitude: 35.67490 **Longitude:** -78.43640 **Stream class:** WS-V NSW

Agency: LNBA **NC stream index:** 27-(36)

Time period: 01/13/2005 to 12/21/2009

	# 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		5.5	6	6.4	7.2	9.5	10.8	12.4
	85	0	<5	0	0		5.5	6	6.4	7.2	9.5	10.8	12.4
pH (SU)	85	0	<6	0	0		6.4	6.8	6.9	7	7.2	7.3	7.6
	85	0	>9	0	0		6.4	6.8	6.9	7	7.2	7.3	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				77	123	142	167	205	247	299
Water Temperature (°C)	85	0	>32	0	0		5	6.8	11.2	20.4	24.8	26.5	28.9
Other													
TSS (mg/L)	60	0	N/A				2.4	5	9.1	14	30.5	92.4	340
Turbidity (NTU)	60	0	>50	6	10	60.6	3.5	8.7	11	16	29.8	68	294
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.06	0.1	0.17	0.31
NO2 + NO3 as N	60	0	>10	0	0		0.09	0.28	0.48	0.75	0.99	1.19	1.74
TKN as N	60	1	N/A				0.2	0.37	0.51	0.62	0.83	1.08	1.51
Total Phosphorus	60	0	N/A				0.06	0.09	0.16	0.27	0.42	0.61	0.97
Metals (ug/L)													
Aluminum, total (Al)	28	0	N/A				128	228	336	788	1508	6412	16095
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	26	>50	0	0		5	5	5	5	5	6	18
Copper, total (Cu)	28	7	>7	3	10.7	69.5	2	2	2	3	6	9	26
Iron, total (Fe)	28	0	>1000	17	60.7	100	337	677	852	1130	2030	5065	16590
Lead, total (Pb)	28	26	>25	0	0		5	5	5	5	5	6	10
Manganese, total (Mn)	28	0	>200	8	28.6	99.9	65	74	78	136	216	471	1358
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	27	>25	0	0		10	10	10	10	10	10	13
Zinc, total (Zn)	28	7	>50	3	10.7	69.5	10	10	10	14	24	51	57

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	132.1	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