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

Location: MIDDLE CRK AT SR 1375 LAKE WHEELER RD NR BANKS

Station #: J4868000 **Hydrologic Unit Code:** 03020201

Latitude: 35.63560 **Longitude:** -78.72791 **Stream class:** C NSW

Agency: LNBA **NC stream index:** 27-43-15-(4)

Time period: 07/20/2005 to 12/09/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	76	0	<4	0	0		4.4	5.8	6.2	6.9	8.7	10.7	12.8
	76	0	<5	1	1.3		4.4	5.8	6.2	6.9	8.7	10.7	12.8
pH (SU)	76	0	<6	0	0		6.7	6.8	6.9	7.1	7.2	7.4	7.6
	76	0	>9	0	0		6.7	6.8	6.9	7.1	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	76	0	N/A				72	106	122	174	252	356	436
Water Temperature (°C)	76	0	>32	0	0		3.7	8.1	12.4	21.3	23.9	25.4	27.5
Other													
TSS (mg/L)	54	0	N/A				2	3.2	5.7	8.9	14	35	187
Turbidity (NTU)	54	0	>50	7	13	83.2	3	5.5	7.5	12	23	60	110
Nutrients (mg/L)													
NH3 as N	54	6	N/A				0.01	0.01	0.04	0.06	0.11	0.22	0.49
NO2 + NO3 as N	54	0	N/A				0.16	0.32	0.45	0.62	0.85	1.15	1.58
TKN as N	54	1	N/A				0.2	0.46	0.62	0.77	0.97	1.13	2.26
Total Phosphorus	54	0	N/A				0.09	0.12	0.18	0.31	0.67	1.42	2.98
Metals (ug/L)													
Aluminum, total (Al)	22	0	N/A				84	116	194	326	656	1957	6341
Arsenic, total (As)	22	22	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	22	22	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	22	22	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	22	9	>7	0	0		2	2	2	2	3	5	5
Iron, total (Fe)	22	0	>1000	15	68.2	100	93	373	604	1222	1751	3174	8055
Lead, total (Pb)	22	22	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	22	22	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	22	22	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	22	0	>50	3	13.6	82.8	11	12	16	22	32	62	72

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
54	180	13	24.1	82.3

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