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

Location: BEAR CRK AT SR 1311 BEAR CREEK RD NR KINSTON

Station #: J6044500 **Hydrologic Unit Code:** 03020202

Latitude: 35.24890 **Longitude:** -77.78430 **Stream class:** WS IV Sw NSW

Agency: LNBA **NC stream index:** 27-72-(5)

Time period: 01/21/2005 to 12/28/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	N/A				4.1	5.9	6.7	7.4	9.2	10.4	12.5
pH (SU)	85	0	<4.3	0	0		5.8	6.3	6.5	6.7	6.9	7	7.2
	85	0	>9	0	0		5.8	6.3	6.5	6.7	6.9	7	7.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				61	92	98	109	129	148	181
Water Temperature (°C)	85	0	>32	0	0		3.3	8.1	13.5	20.4	23.4	25.2	27.7
Other													
TSS (mg/L)	60	0	N/A				1.2	2.2	4.6	8.1	13	17.9	38
Turbidity (NTU)	60	0	>50	0	0		2.3	3.2	5	8.7	13	20.9	36
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.01	0.01	0.04	0.08	0.14	0.3	0.7
NO2 + NO3 as N	60	0	>10	0	0		1.31	1.63	1.76	2.08	2.41	2.84	3.6
TKN as N	60	3	N/A				0.2	0.22	0.32	0.52	0.81	1.06	1.43
Total Phosphorus	60	1	N/A				0.02	0.06	0.08	0.11	0.18	0.22	5.15

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	82.4	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