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

Location: POPLAR CRK AT SR 2049 BETHLEHEM RD NR KNIGHTDALE

Station #: J4080000 **Hydrologic Unit Code:** 03020201

Latitude: 35.73090 **Longitude:** -78.47760 **Stream class:** C NSW

Agency: LNBA **NC stream index:** 27-35

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

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.4	6.4	7	7.7	9.8	11.3	12.7
	84	0	<5	0	0		5.4	6.4	7	7.7	9.8	11.3	12.7
pH (SU)	84	0	<6	0	0		6.4	6.8	6.9	7	7.3	7.4	7.6
	84	0	>9	0	0		6.4	6.8	6.9	7	7.3	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				85	105	116	138	174	204	250
Water Temperature (°C)	84	0	>32	0	0		4.1	6.5	11.2	19.7	23	24.1	25.1
Other													
TSS (mg/L)	58	0	N/A				2.1	2.9	4.7	7	11	39.8	191
Turbidity (NTU)	58	0	>50	2	3.4		3.8	4.3	6.3	10	14.5	25.2	130
Nutrients (mg/L)													
NH3 as N	58	10	N/A				0.01	0.01	0.03	0.05	0.12	0.22	0.51
NO2 + NO3 as N	58	0	N/A				0.46	0.79	1.28	1.64	2.21	3.01	3.86
TKN as N	58	4	N/A				0.2	0.23	0.35	0.45	0.62	1.1	1.79
Total Phosphorus	58	0	N/A				0.04	0.08	0.11	0.14	0.18	0.23	3.03

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
58	193.1	16	27.6	94.1

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