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

Location: FOUNDRY BRANCH AT SR 1649 NEW COMMERCE DR AT OXFORD

Station #: O0310000 **Hydrologic Unit Code:** 03020101

Latitude: 36.29210 **Longitude:** -78.58294 **Stream class:** C NSW

Agency: TPBA **NC stream index:** 28-11-2

Time period: 03/07/2007 to 12/14/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	40	0	<4	5	12.5	79.4	1.8	3.4	5.1	7.4	8.8	11.7	14.6
	40	0	<5	9	22.5	99.5	1.8	3.4	5.1	7.4	8.8	11.7	14.6
pH (SU)	40	0	<6	0	0		6.3	6.5	6.7	7	7.1	7.2	7.4
	40	0	>9	0	0		6.3	6.5	6.7	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	40	0	N/A				80	94	152	221	256	305	363
Water Temperature (°C)	40	0	>32	0	0		3.9	8.4	14.3	19.3	21.3	22.8	27.2
Other													
Turbidity (NTU)	24	0	>50	2	8.3		3.1	4.6	6.3	18	38.5	62.5	110
Nutrients (mg/L)													
NH3 as N	24	7	N/A				0.01	0.01	0.01	0.04	0.1	0.16	0.24
NO2 + NO3 as N	24	0	N/A				0.06	0.16	0.26	0.33	0.46	0.5	0.56
TKN as N	24	0	N/A				0.23	0.36	0.44	0.58	1.01	1.17	1.49
Total Phosphorus	24	1	N/A				0.02	0.06	0.08	0.11	0.16	0.19	0.23

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
24	222.1	11	45.8	99.9

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