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

Location: MITCHELL RIV AT SR 1001 NR NORTH ELKIN

Station #: Q1065000 **Hydrologic Unit Code:** 03040101
Latitude: 36.31137 **Longitude:** -80.80656 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-62-(12.5)

Time period: 01/24/2005 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)	85	0	<4	0	0		6.2	6.8	7.3	8.4	11.1	12.3	13.2
	85	0	<5	0	0		6.2	6.8	7.3	8.4	11.1	12.3	13.2
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	6	N/A				50	53	64	83	94	107	126
Water Temperature (°C)	85	0	>29	0	0		3.1	4.7	9.2	17	21.2	22.6	24.4
Other													
TSS (mg/L)	60	8	N/A				1	1	1.6	3.8	7.4	15.8	222
Turbidity (NTU)	60	0	>50	2	3.3		1	1.7	2.8	6.5	11.8	18	350
Nutrients (mg/L)													
NH3 as N	60	21	N/A				0.01	0.01	0.01	0.02	0.05	0.09	0.38
NO2 + NO3 as N	60	0	N/A				0.11	0.14	0.21	0.27	0.37	0.47	0.79
TKN as N	60	28	N/A				0.2	0.2	0.2	0.22	0.33	0.52	2.26
Total Phosphorus	60	2	N/A				0.02	0.03	0.04	0.06	0.1	0.13	0.51

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	44	0	0	

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