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

Location: COLLY CRK AT NC 53 AT COLLY

Station #: B8981000 **Hydrologic Unit Code:** 03030006

Latitude: 34.46411 **Longitude:** -78.25692 **Stream class:** C Sw

Agency: LCFRP **NC stream index:** 18-68-17

Time period: 01/12/2005 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)	56	0	N/A				3.6	4.5	5.4	6.7	7.9	9.4	10.7
pH (SU)	56	7	<4.3	47	83.9	100	3.2	3.7	3.9	4	4.1	4.4	6.2
	56	7	>9	0	0		3.2	3.7	3.9	4	4.1	4.4	6.2
Spec. conductance (umhos/cm at 25°C)	55	25	N/A				50	57	74	100	100	105	207
Water Temperature (°C)	56	0	>32	0	0		4	6.9	11.7	15.7	23	26.5	30.2
Other													
TSS (mg/L)	56	26	N/A				1	1	2	2	3	5	15
Nutrients (mg/L)													
NH3 as N	56	8	N/A				0.01	0.01	0.02	0.03	0.07	0.15	0.44
NO2 + NO3 as N	56	28	N/A				0.01	0.02	0.02	0.02	0.04	0.37	0.52
TKN as N	56	0	N/A				0.2	0.6	0.73	1	1.2	1.65	2.2
Total Phosphorus	56	13	N/A				0.01	0.02	0.02	0.04	0.07	0.11	0.4
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				69	304	624	850	1006	1072	1120
Arsenic, total (As)	14	14	>10	0	0		1	2	10	10	10	10	10
Cadmium, total (Cd)	14	14	>2	0	0		1	1	2	2	2	2	2
Chromium, total (Cr)	14	13	>50	0	0		5	6	25	25	25	25	25
Copper, total (Cu)	14	14	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	14	0	>1000	4	28.6	99.1	80	209	365	860	1216	1666	1680
Lead, total (Pb)	14	14	>25	0	0		3	3	10	10	10	10	10
Mercury, total (Hg)	14	14	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	14	13	>88	0	0		5	5	10	10	10	10	10
Zinc, total (Zn)	14	11	>50	0	0		8	8	10	10	10	12	14

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
56	51.3	1	1.8	

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