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

Location: LIVINGSTON CRK AT WRIGHT CORPORATION WALKWAY NR ACME

Station #: B8441000 **Hydrologic Unit Code:** 03030005

Latitude: 34.33527 **Longitude:** -78.20111 **Stream class:** C Sw

Agency: LCFRP **NC stream index:** 18-64

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)	58	0	N/A				1.4	2.6	3.5	5.1	8.1	9.8	11.2
pH (SU)	58	0	<4.3	0	0		5.6	6	6.4	6.6	6.9	7.1	7.6
	58	0	>9	0	0		5.6	6	6.4	6.6	6.9	7.1	7.6
Spec. conductance (umhos/cm at 25°C)	57	10	N/A				65	100	101	124	161	214	259
Water Temperature (°C)	58	0	>32	0	0		5.3	9.1	11.6	18.4	24.9	27.1	28.6
Other													
TSS (mg/L)	58	14	N/A				1	2	2	3	4	6.1	29
Nutrients (mg/L)													
NH3 as N	58	3	N/A				0.02	0.06	0.11	0.2	0.35	1.21	2.7
NO2 + NO3 as N	58	3	N/A				0.01	0.04	0.09	0.2	0.45	0.9	3.64
TKN as N	58	0	N/A				0.2	0.5	0.64	0.9	1.2	1.7	3.7
Total Phosphorus	58	6	N/A				0.01	0.02	0.03	0.04	0.06	0.08	0.15
Metals (ug/L)													
Aluminum, total (Al)	13	0	N/A				107	112	169	349	408	855	975
Arsenic, total (As)	13	13	>10	0	0		1	1	10	10	10	10	10
Cadmium, total (Cd)	13	13	>2	0	0		1	1	2	2	2	2	2
Chromium, total (Cr)	13	13	>50	0	0		5	5	25	25	25	25	25
Copper, total (Cu)	13	13	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	13	0	>1000	4	30.8	99.4	188	238	468	712	1126	1299	1390
Lead, total (Pb)	13	13	>25	0	0		3	3	10	10	10	10	10
Mercury, total (Hg)	13	13	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	13	13	>88	0	0		5	5	10	10	10	10	10
Zinc, total (Zn)	13	11	>50	0	0		5	6	10	10	10	14	17

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
58	85.3	6	10.3	

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