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

Location: ABBOTTS CRK AT NC 47 NR COTTON GROVE

Station #: Q5970000 **Hydrologic Unit Code:** 03040103

Latitude: 35.74795 **Longitude:** -80.24140 **Stream class:** WS-V B

Agency: YPDRBA **NC stream index:** 12-118.5

Time period: 01/25/2005 to 12/15/2009

	# 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		4.8	5.3	5.7	6.5	9.1	10.2	10.8
	84	0	<5	1	1.2		4.8	5.3	5.7	6.5	9.1	10.2	10.8
pH (SU)	84	0	<6	0	0		6.3	6.5	6.7	6.9	7.1	7.2	7.3
	84	0	>9	0	0		6.3	6.5	6.7	6.9	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	77	0	N/A				97	148	182	211	246	313	394
Water Temperature (°C)	84	0	>32	0	0		4.7	7.6	12.8	19.4	24.3	26.1	27.9
Other													
Chlorophyll a (ug/L)	11	0	>40	6	54.5	100	8	11	26	47	70	110	118
Turbidity (NTU)	59	0	>50	3	5.1		4.9	11	14	22	30	40	120
Nutrients (mg/L)													
NH3 as N	59	6	N/A				0.01	0.01	0.03	0.07	0.15	0.24	0.34
NO2 + NO3 as N	59	4	>10	0	0		0.01	0.03	0.36	0.77	1.21	2.05	4.3
TKN as N	59	2	N/A				0.2	0.39	0.61	0.9	1.09	1.44	2.5
Total Phosphorus	59	0	N/A				0.07	0.11	0.13	0.17	0.22	0.3	2
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				335	351	406	661	1133	1984	2480
Arsenic, total (As)	14	14	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	14	14	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	14	13	>50	0	0		5	5	5	5	5	6	7
Copper, total (Cu)	14	2	>7	0	0		2	2	2	4	5	6	6
Iron, total (Fe)	14	0	>1000	9	64.3	100	714	742	905	1368	1938	2528	2988
Lead, total (Pb)	14	14	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	14	0	>200	5	35.7	99.9	62	82	115	170	242	469	616
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	14	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	14	10	>50	0	0		10	10	10	10	10	12	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
59	91.9	3	5.1	

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