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

Location: MUDDY CRK AT I 40 NR CLEMMONS

Station #: Q2291000 **Hydrologic Unit Code:** 03040101
Latitude: 36.04700 **Longitude:** -80.36623 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-94-(0.5)

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)	85	0	<4	0	0		6.4	6.8	7.1	7.7	10.1	11	13.4
	85	0	<5	0	0		6.4	6.8	7.1	7.7	10.1	11	13.4
pH (SU)	85	0	<6	0	0		6.6	6.7	6.8	7	7.1	7.3	7.4
	85	0	>9	0	0		6.6	6.7	6.8	7	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				68	98	112	124	152	175	207
Water Temperature (°C)	85	0	>32	0	0		2.5	5	9.6	17.4	21.4	22.8	24.2
Other													
Turbidity (NTU)	60	0	>50	4	6.7		2.6	5.7	9	12.5	17	28.9	500
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				118	140	190	336	532	934	1052
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	7	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	14	0	>1000	7	50	100	723	741	870	1042	1385	1903	1980
Lead, total (Pb)	14	14	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	14	13	>0.012	1	7.1		0.2	0.2	0.2	0.2	0.2	0.25	0.3
Nickel, total (Ni)	14	14	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	14	13	>50	0	0		10	10	10	10	10	12	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	52.9	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