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

Location: LANES CRK AT SR 1005 LANDSFORD RD NR MARSHVILLE

Station #: Q9021300 **Hydrologic Unit Code:** 03040105
Latitude: 34.92316 **Longitude:** -80.34210 **Stream class:** WS-V
Agency: YPDRBA **NC stream index:** 13-17-40-(1)

Time period: 10/19/2006 to 12/17/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	52	0	<4	3	5.8		0.7	4.3	5.1	6.5	7.5	9.7	12
	52	0	<5	11	21.2	99.5	0.7	4.3	5.1	6.5	7.5	9.7	12
pH (SU)	52	0	<6	0	0		6.2	6.4	6.4	6.6	7	7.2	7.3
	52	0	>9	0	0		6.2	6.4	6.4	6.6	7	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	52	0	N/A				68	151	176	204	244	320	412
Water Temperature (°C)	52	0	>32	0	0		2.8	6.6	10.6	18.1	22	24	25.2
Other													
TSS (mg/L)	36	0	N/A				1.9	2.7	3.3	6	9.9	54.2	1770
Turbidity (NTU)	36	0	>50	5	13.9	85.5	4.2	4.7	7.3	12	22.8	115	800
Nutrients (mg/L)													
NH3 as N	36	9	N/A				0.01	0.01	0.01	0.06	0.18	0.4	1.55
NO2 + NO3 as N	36	6	>10	0	0		0.01	0.01	0.06	0.96	2.14	3.18	4.79
TKN as N	36	1	N/A				0.2	0.46	0.84	1.26	1.8	2.28	4.11
Total Phosphorus	36	0	N/A				0.08	0.12	0.23	0.34	0.61	0.86	1.78
Metals (ug/L)													
Aluminum, total (Al)	4	0	N/A				243	243	304	820	21692	28538	28538
Arsenic, total (As)	4	3	>10	0	0		5	5	5	5	9	10	10
Cadmium, total (Cd)	4	4	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	4	3	>50	0	0		5	5	5	5	28	35	35
Copper, total (Cu)	4	0	>7	1	25		4	4	5	7	17	20	20
Iron, total (Fe)	4	0	>1000	3	75		742	742	816	1290	24086	31600	31600
Lead, total (Pb)	4	3	>25	0	0		5	5	5	5	18	23	23
Manganese, total (Mn)	4	0	>200	1	25		27	27	29	40	979	1290	1290
Mercury, total (Hg)	4	4	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	4	4	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	4	2	>50	1	25		10	10	10	12	82	105	105

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
36	124.5	8	22.2	71.6

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