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

Location: ROCKY RIV AT SR 1114 NR MIDLAND

Station #: Q8355000 **Hydrologic Unit Code:** 03040105

Latitude: 35.22117 **Longitude:** -80.48712 **Stream class:** C

Agency: YPDRBA **NC stream index:** 13-17

Time period: 01/26/2005 to 12/16/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.3	6.6	7.5	9.1	10.7	11.4
	85	0	<5	0	0		5.5	6.3	6.6	7.5	9.1	10.7	11.4
pH (SU)	85	0	<6	0	0		6.8	7	7	7.2	7.2	7.3	7.8
	85	0	>9	0	0		6.8	7	7	7.2	7.2	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				71	94	113	130	150	195	312
Water Temperature (°C)	85	0	>32	0	0		6.2	7.5	12.5	21.3	24.1	25.9	28.7
Other													
TSS (mg/L)	60	2	N/A				1	2	4.4	8.4	19.8	63.7	1270
Turbidity (NTU)	60	0	>50	7	11.7	75.2	2.6	3.9	6	12	24.8	144.7	400
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.02	0.05	0.11	0.26	0.67
NO2 + NO3 as N	60	0	N/A				0.61	1.18	2.2	3.73	5.2	9.16	12.68
TKN as N	60	1	N/A				0.2	0.31	0.49	0.75	0.94	1.78	3.83
Total Phosphorus	60	0	N/A				0.13	0.21	0.34	0.51	0.93	1.44	2.17
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				138	138	168	741	5349	25402	30592
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	11	>50	0	0		5	5	5	5	11	41	48
Copper, total (Cu)	14	0	>7	4	28.6	99.1	3	3	5	5	22	73	99
Iron, total (Fe)	14	0	>1000	9	64.3	100	236	304	577	1492	7124	34600	45300
Lead, total (Pb)	14	11	>25	0	0		5	5	5	5	6	12	13
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	12	>88	0	0		10	10	10	10	10	24	32
Zinc, total (Zn)	14	7	>50	3	21.4	95.6	10	10	10	11	29	102	134

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	45.3	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