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

Location: ROCKY RIV AT SR 1606 NR MONROE

Station #: Q8385000 **Hydrologic Unit Code:** 03040105

Latitude: 35.16987 **Longitude:** -80.47277 **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	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.2	6.5	7.3	8.9	10.7	11.6
	85	0	<5	0	0		5.7	6.2	6.5	7.3	8.9	10.7	11.6
pH (SU)	85	0	<6	0	0		6.7	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.7	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				81	113	130	144	165	188	226
Water Temperature (°C)	85	0	>32	0	0		6.8	8	12.5	21.3	24.6	26.3	28.6
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	1.6	3.5	6.1	9	27.8	164.7	1240
Nutrients (mg/L)													
NH3 as N	60	14	N/A				0.01	0.01	0.01	0.03	0.09	0.19	0.26
NO2 + NO3 as N	60	0	N/A				0.67	1.32	2.17	3.32	5.17	8.67	11.16
TKN as N	60	2	N/A				0.2	0.27	0.48	0.7	1	1.45	2.82
Total Phosphorus	60	0	N/A				0.08	0.21	0.34	0.5	0.83	1.27	2.03
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				140	144	318	736	5053	33864	46471
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	1	7.1		5	5	5	5	12	44	56
Copper, total (Cu)	14	1	>7	3	21.4	95.6	2	2	4	5	14	116	180
Iron, total (Fe)	14	0	>1000	10	71.4	100	219	394	676	1470	7221	37512	49950
Lead, total (Pb)	14	11	>25	0	0		5	5	5	5	6	16	20
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	32	47
Zinc, total (Zn)	14	9	>50	3	21.4	95.6	10	10	10	10	27	133	188

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	47.8	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