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

Location: REDDIES RIV AT SR 1517 AT N WILKESBORO

Station #: Q0360000 **Hydrologic Unit Code:** 03040101

Latitude: 36.17430 **Longitude:** -81.16930 **Stream class:** WS II HQW

Agency: YPDRBA **NC stream index:** 12-40-(1)

Time period: 01/23/2005 to 12/13/2009

	# 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		5.5	6.5	6.7	7.6	9.2	10.5	12.8
	85	0	<5	0	0		5.5	6.5	6.7	7.6	9.2	10.5	12.8
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	10	N/A				50	50	56	64	70	76	92
Water Temperature (°C)	85	0	>29	0	0		4.2	7.2	12.7	18.4	22.1	24.3	26.8
Other													
TSS (mg/L)	60	5	N/A				1	1.3	2.1	5.7	8.9	20.8	189
Turbidity (NTU)	60	0	>50	1	1.7		1.1	2.1	3.8	7.6	11.8	16.9	210
Nutrients (mg/L)													
NH3 as N	60	20	N/A				0.01	0.01	0.01	0.04	0.07	0.11	0.21
NO2 + NO3 as N	60	0	>10	0	0		0.08	0.31	0.37	0.45	0.55	0.63	0.9
TKN as N	60	27	N/A				0.2	0.2	0.2	0.23	0.39	0.7	3.26
Total Phosphorus	60	5	N/A				0.02	0.03	0.05	0.09	0.14	0.2	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	42.7	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