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

Location: SOUTH RIV AT US 13 NR COOPER

Station #: B8470000 **Hydrologic Unit Code:** 03030006

Latitude: 35.15600 **Longitude:** -78.64013 **Stream class:** C Sw

Agency: LCFRP **NC stream index:** 18-68-12-(0.5)

Time period: 01/10/2005 to 12/08/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	60	0	N/A				0.2	0.6	1.3	4.1	7.3	10	11.4
pH (SU)	60	0	<4.3	0	0		5.3	5.9	6	6.1	6.3	6.4	6.9
	60	0	>9	0	0		5.3	5.9	6	6.1	6.3	6.4	6.9
Spec. conductance (umhos/cm at 25°C)	60	18	N/A				58	71	82	100	130	164	408
Water Temperature (°C)	60	0	>32	0	0		2.8	7.1	9.7	18.2	23.4	25.1	27.9
Other													
TSS (mg/L)	60	10	N/A				1	2	2	4	10	17	25
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.01	0.02	0.03	0.06	0.14	0.45
NO2 + NO3 as N	60	21	N/A				0.01	0.02	0.02	0.04	0.06	0.18	0.59
TKN as N	60	1	N/A				0.2	0.5	0.6	0.9	1.33	1.69	2
Total Phosphorus	60	6	N/A				0.02	0.02	0.03	0.07	0.12	0.19	0.29

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	113	9	15	

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