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

Location: TAR RIV AT NC 33 AND US 64 BUS AT TARBORO

Station #: O5250000 **Hydrologic Unit Code:** 03020103
Latitude: 35.89352 **Longitude:** -77.53233 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-(80)

Time period: 04/13/2007 to 12/10/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	48	0	<4	0	0		5	5.8	6.5	6.9	8.3	11.2	14.3
	48	0	<5	0	0		5	5.8	6.5	6.9	8.3	11.2	14.3
pH (SU)	48	0	<6	1	2.1		5.9	6.4	6.7	6.9	7.1	7.3	8
	48	0	>9	0	0		5.9	6.4	6.7	6.9	7.1	7.3	8
Spec. conductance (umhos/cm at 25°C)	48	0	N/A				60	84	102	121	151	184	259
Water Temperature (°C)	48	0	>32	0	0		2.3	9.7	14.8	23.2	27.2	28.1	28.8
Other													
TSS (mg/L)	33	0	N/A				1.2	1.8	3.3	7.5	13.5	21.6	31
Turbidity (NTU)	33	0	>50	0	0		1.4	3.5	4.4	11	19	35.4	45
Nutrients (mg/L)													
NH3 as N	33	6	N/A				0.01	0.01	0.02	0.05	0.08	0.12	0.65
NO2 + NO3 as N	33	0	N/A				0.08	0.17	0.27	0.35	0.46	0.61	0.82
TKN as N	33	2	N/A				0.2	0.31	0.43	0.56	0.79	1.03	1.23
Total Phosphorus	33	0	N/A				0.04	0.04	0.06	0.1	0.13	0.2	0.24
Metals (ug/L)													
Aluminum, total (Al)	27	1	N/A				50	80	145	305	505	916	990
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	27	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	27	27	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	27	14	>7	0	0		2	2	2	2	2	3	4
Iron, total (Fe)	27	0	>1000	19	70.4	100	258	596	844	1416	1812	2134	2326
Lead, total (Pb)	27	27	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	18	>50	0	0		10	10	10	10	13	20	35

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
33	50.4	2	6.1	

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