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

Location: TAR RIV AT NC 42 AT OLD SPARTA

Station #: O6000000 **Hydrologic Unit Code:** 03020103

Latitude: 35.79030 **Longitude:** -77.55067 **Stream class:** C NSW

Agency: TPBA **NC stream index:** 28-(80)

Time period: 03/09/2007 to 12/10/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	49	0	<4	0	0		4.9	5.4	6	6.8	8.3	9.9	14.3
	49	0	<5	1	2		4.9	5.4	6	6.8	8.3	9.9	14.3
pH (SU)	49	0	<6	3	6.1		5.8	6.3	6.5	6.8	7.1	7.3	7.8
	49	0	>9	0	0		5.8	6.3	6.5	6.8	7.1	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	49	0	N/A				58	77	96	120	154	189	288
Water Temperature (°C)	49	0	>32	0	0		2.4	9.8	14.5	22.7	26.2	27.5	28
Other													
TSS (mg/L)	34	4	N/A				1	1	3.9	10.5	17	22	53
Turbidity (NTU)	34	0	>50	0	0		2.5	3	4.5	10.4	21	32	45
Nutrients (mg/L)													
NH3 as N	34	8	N/A				0.01	0.01	0.01	0.04	0.1	0.2	0.47
NO2 + NO3 as N	34	0	N/A				0.13	0.26	0.31	0.41	0.55	0.75	0.99
TKN as N	34	2	N/A				0.2	0.23	0.36	0.53	0.8	1.16	1.29
Total Phosphorus	34	0	N/A				0.05	0.05	0.07	0.12	0.16	0.24	0.39
Metals (ug/L)													
Aluminum, total (Al)	28	1	N/A				50	69	105	316	606	973	2512
Arsenic, total (As)	28	28	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	28	28	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	28	28	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	28	15	>7	0	0		2	2	2	2	2	3	3
Iron, total (Fe)	28	0	>1000	18	64.3	100	341	410	669	1397	1856	2204	2418
Lead, total (Pb)	28	28	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	28	28	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	28	28	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	28	22	>50	0	0		10	10	10	10	10	13	15

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
34	63	4	11.8	

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