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

Location: TAR RIV AT US 264 BYP NR GREENVILLE

Station #: O6240000 **Hydrologic Unit Code:** 03020103

Latitude: 35.64598 **Longitude:** -77.42212 **Stream class:** WS-IV NSW

Agency: TPBA **NC stream index:** 28-(84)

Time period: 03/09/2007 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)	49	0	<4	0	0		5.4	5.8	6.4	7.1	8.7	11	15
	49	0	<5	0	0		5.4	5.8	6.4	7.1	8.7	11	15
pH (SU)	49	0	<6	2	4.1		5.1	6.4	6.6	7	7.2	7.3	8.4
	49	0	>9	0	0		5.1	6.4	6.6	7	7.2	7.3	8.4
Spec. conductance (umhos/cm at 25°C)	49	0	N/A				55	75	104	126	160	198	220
Water Temperature (°C)	49	0	>32	0	0		2.7	10.1	15	23.4	27.2	29	30.6
Other													
TSS (mg/L)	34	0	N/A				1.5	1.7	3.9	7.5	12	17.5	20
Turbidity (NTU)	34	0	>50	0	0		2.9	3.6	4.7	9.1	19	28.5	45
Nutrients (mg/L)													
NH3 as N	34	6	N/A				0.01	0.01	0.03	0.06	0.1	0.16	0.25
NO2 + NO3 as N	34	0	>10	0	0		0.17	0.2	0.26	0.38	0.46	0.53	0.58
TKN as N	34	3	N/A				0.2	0.25	0.4	0.49	0.8	1.15	1.37
Total Phosphorus	34	0	N/A				0.04	0.06	0.08	0.1	0.12	0.23	0.61
Metals (ug/L)													
Aluminum, total (Al)	28	0	N/A				63	82	116	340	569	914	1012
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	18	>7	0	0		2	2	2	2	2	2	3
Iron, total (Fe)	28	1	>1000	17	60.7	100	50	374	602	1326	1722	1999	2329
Lead, total (Pb)	28	28	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	28	0	>200	4	14.3	85.8	40	52	84	108	178	211	226
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	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	28	19	>50	0	0		10	10	10	10	11	16	21

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
34	35.8	1	2.9	

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