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

Location: TAR RIV AT SR 1250 SPRINGFIELD RD AT ROCKY MOUNT

Station #: O3189000 **Hydrologic Unit Code:** 03020101

Latitude: 35.97789 **Longitude:** -77.75769 **Stream class:** C NSW

Agency: TPBA **NC stream index:** 28-(69)

Time period: 03/13/2007 to 12/09/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	48	0	<4	1	2.1		3.7	5	5.5	6.8	9.6	11.1	14
	48	0	<5	3	6.2		3.7	5	5.5	6.8	9.6	11.1	14
pH (SU)	49	0	<6	0	0		6	6.5	6.7	6.9	7.1	7.3	7.7
	49	0	>9	0	0		6	6.5	6.7	6.9	7.1	7.3	7.7
Spec. conductance (umhos/cm at 25°C)	49	0	N/A				61	74	82	95	120	141	454
Water Temperature (°C)	49	0	>32	0	0		5	9.2	13.9	22.4	26.8	28.4	30.2
Other													
TSS (mg/L)	34	3	N/A				1	1.1	1.6	4.5	11	38.5	55
Turbidity (NTU)	34	0	>50	2	5.9		1.7	2.8	3.2	10.4	17	50	75
Nutrients (mg/L)													
NH3 as N	34	5	N/A				0.01	0.01	0.02	0.04	0.11	0.18	0.57
NO2 + NO3 as N	34	0	N/A				0.04	0.06	0.14	0.19	0.25	0.31	0.45
TKN as N	34	3	N/A				0.2	0.26	0.45	0.61	0.7	1.24	3.03
Total Phosphorus	34	1	N/A				0.02	0.04	0.06	0.08	0.11	0.15	0.61
Metals (ug/L)													
Aluminum, total (Al)	27	3	N/A				50	50	97	298	617	1461	1948
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	10	>7	0	0		2	2	2	2	3	4	5
Iron, total (Fe)	27	0	>1000	19	70.4	100	209	396	733	1429	1958	2896	8710
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	19	>50	0	0		10	10	10	10	11	19	34

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
34	92.7	7	20.6	63.3

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