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

Location: ARARAT RIV AT WWTP RD AT MT AIRY WWTP

Station #: Q1550000 **Hydrologic Unit Code:** 03040101

Latitude: 36.47703 **Longitude:** -80.60452 **Stream class:** C

Agency: YPDRBA **NC stream index:** 12-72-(4.5)

Time period: 01/24/2005 to 12/14/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6	6.4	6.8	7.8	9.9	11	12.1
	85	0	<5	0	0		6	6.4	6.8	7.8	9.9	11	12.1
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	6.9	7	7.1	7.2
	85	0	>9	0	0		6.6	6.8	6.9	6.9	7	7.1	7.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				78	114	156	182	200	229	278
Water Temperature (°C)	85	0	>29	0	0		3.6	6	10.2	17	21.8	23.1	24.8
Other													
Turbidity (NTU)	60	0	>50	5	8.3		1.8	2.9	4.6	11	16.8	37.5	450

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	63.8	0	0	

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