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

Location: PEE DEE RIV AT US 74 NR ROCKINGHAM

Station #: Q9400000 **Hydrologic Unit Code:** 03040201

Latitude: 34.94567 **Longitude:** -79.86910 **Stream class:** C

Agency: YPDRBA **NC stream index:** 13-(34)

Time period: 01/27/2005 to 12/17/2009

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	6.2	6.6	7.4	9.4	10.7	13.2
	85	0	<5	0	0		5.3	6.2	6.6	7.4	9.4	10.7	13.2
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7.1	7.2	7.2	7.4
	85	0	>9	0	0		6.5	6.8	6.9	7.1	7.2	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				79	92	104	118	154	172	221
Water Temperature (°C)	85	0	>32	0	0		3.5	6.5	11	19.4	22.8	23.9	27.4
Other													
TSS (mg/L)	60	0	N/A				2.4	4.6	6.1	9.6	14	20	60
Turbidity (NTU)	60	0	>50	2	3.3		4.5	6.7	7.9	12.5	20.5	32.8	65
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.04	0.07	0.12	0.19	0.3
NO2 + NO3 as N	60	0	N/A				0.09	0.16	0.32	0.56	0.65	0.73	1.31
TKN as N	60	2	N/A				0.2	0.29	0.41	0.56	0.71	0.93	3.29
Total Phosphorus	60	5	N/A				0.02	0.03	0.06	0.1	0.13	0.18	0.53
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				185	210	402	848	1330	1768	1909
Arsenic, total (As)	14	14	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	14	14	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	14	14	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	14	2	>7	0	0		2	2	2	3	4	6	7
Iron, total (Fe)	14	0	>1000	10	71.4	100	382	426	936	1514	2033	2300	2467
Lead, total (Pb)	14	14	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	14	14	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	14	14	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	14	12	>50	0	0		10	10	10	10	10	14	16

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	44.8	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