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

Location: SECOND CRK AT US 601 NR SALISBURY

Station #: Q4165000 **Hydrologic Unit Code:** 03040102

Latitude: 35.76247 **Longitude:** -80.51075 **Stream class:** C

Agency: YPDRBA **NC stream index:** 12-108-21

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

	# 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	6.5	7.3	9.4	10.6	11.5
	85	0	<5	0	0		5.3	6	6.5	7.3	9.4	10.6	11.5
pH (SU)	85	0	<6	0	0		6.7	6.9	6.9	7	7.1	7.2	7.4
	85	0	>9	0	0		6.7	6.9	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				88	120	132	148	166	177	195
Water Temperature (°C)	85	0	>32	0	0		6.3	8.5	13.1	20.8	24.3	26.3	28.3
Other													
Turbidity (NTU)	60	0	>50	6	10	60.6	3.5	6.9	9.4	14.5	24.2	103	310
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				101	217	392	636	990	5352	5783
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	12	>50	0	0		5	5	5	5	5	7	8
Copper, total (Cu)	14	2	>7	2	14.3	84.2	2	2	2	3	4	10	12
Iron, total (Fe)	14	0	>1000	12	85.7	100	678	823	1086	1406	1924	9298	9405
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	12	>88	0	0		10	10	10	10	10	14	16
Zinc, total (Zn)	14	9	>50	0	0		10	10	10	10	13	18	19

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	46.4	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