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

Location: MALLARD CRK AT PAVILLION RD NR HARRISBURG

Station #: Q7550000 **Hydrologic Unit Code:** 03040105
Latitude: 35.33232 **Longitude:** -80.71573 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-5

Time period: 01/26/2005 to 12/16/2009

	# 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		5.4	6.2	6.5	7.4	10	10.9	13.7
	85	0	<5	0	0		5.4	6.2	6.5	7.4	10	10.9	13.7
pH (SU)	85	0	<6	0	0		6.3	6.8	6.9	7	7.1	7.2	7.7
	85	0	>9	0	0		6.3	6.8	6.9	7	7.1	7.2	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				108	140	164	187	215	239	304
Water Temperature (°C)	85	0	>32	0	0		3.9	5.8	9.5	19.3	22.6	25.1	27.8
Other													
Turbidity (NTU)	60	0	>50	6	10	60.6	1.9	3.1	5.4	9.3	18.8	63.5	220
Nutrients (mg/L)													
NH3 as N	60	12	N/A				0.01	0.01	0.02	0.05	0.11	0.2	1.25
NO2 + NO3 as N	60	2	N/A				0.01	0.04	0.12	0.28	0.46	0.9	1.44
TKN as N	60	8	N/A				0.2	0.2	0.28	0.42	0.68	1.22	3.65
Total Phosphorus	60	1	N/A				0.02	0.04	0.05	0.08	0.1	0.28	0.8
Metals (ug/L)													
Aluminum, total (Al)	14	2	N/A				50	50	131	691	2962	9840	13371
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	9	>50	0	0		5	5	5	5	8	16	18
Copper, total (Cu)	14	2	>7	4	28.6	99.1	2	2	2	4	10	26	33
Iron, total (Fe)	14	0	>1000	9	64.3	100	268	447	817	1409	4793	11912	13735
Lead, total (Pb)	14	13	>25	0	0		5	5	5	5	5	8	11
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	13	>88	0	0		10	10	10	10	10	12	13
Zinc, total (Zn)	14	11	>50	1	7.1		10	10	10	10	12	38	52

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	66.5	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