Ambient Monitoring System Station Summaries

NCDENR, Division of Water Quality Basinwide Assessment Report

Location: GRINDLE CRK AT US 264 AT PACTOLUS

Station #:O6798000Hydrologic Unit Code:03020103Latitude:35.62426Longitude:-77.22118Stream class:C NSW

Agency: TPBA NC stream index: 28-100

Time period: 03/09/2007 to 12/10/2009

	#	#	Results not meeting EL					Percentiles					
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	49	0	<4	0	0		5.9	7.3	8.2	9.6	10.2	11.6	13.8
	49	0	<5	0	0		5.9	7.3	8.2	9.6	10.2	11.6	13.8
pH (SU)	49	0	<6	4	8.2		5.5	6.1	6.5	6.8	7.1	7.3	8.3
	49	0	>9	0	0		5.5	6.1	6.5	6.8	7.1	7.3	8.3
Spec. conductance (umhos/cm at 25°C)	49	0	N/A				82	130	149	162	178	188	206
Water Temperature (°C)	49	0	>32	0	0		4.8	10.3	14.5	21	24.6	26.7	27.7
Other													
TSS (mg/L)	34	0	N/A				1	1.4	1.9	3.8	8.9	12.5	34
Turbidity (NTU)	34	0	>50	0	0		1.9	2.3	2.6	5.3	10.2	17	50
Nutrients (mg/L)													
NH3 as N	34	5	N/A				0.01	0.01	0.02	0.06	0.14	0.2	0.43
NO2 + NO3 as N	34	0	N/A				0.3	0.4	0.76	1.04	1.42	2.02	2.61
TKN as N	34	1	N/A				0.2	0.23	0.35	0.55	0.76	1.17	1.35
Total Phosphorus	34	0	N/A				0.04	0.04	0.05	0.07	0.11	0.16	0.53
Focal Coliform Screen	ina(#/100	lmI)											

Fecal Coliform Screening(#/100mL)

results: Geomean: #> 400: %> 400: %Conf: 33 44.4 3 9.1

Key:

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

[#] result: number of observations

[#] ND: number of observations reported to be below detection level (non-detect)