

Ambient Monitoring System Station Summaries

NCDENR, Division of Water Quality
Basinwide Assessment Report

Location: CEDAR CRK AT SR 1116 CEDAR CREEK RD NR FRANKLINTON

Station #: O1600000

Hydrologic Unit Code: 03020101

Latitude: 36.06615

Longitude: -78.43130

Stream class: C NSW

Agency: TPBA

NC stream index: 28-29-(2)

Time period: 03/07/2007 to 12/14/2009

Field	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	48	0	<4	0	0		5.8	6.6	7.1	7.8	9.9	11.5	13.1
	48	0	<5	0	0		5.8	6.6	7.1	7.8	9.9	11.5	13.1
pH (SU)	48	0	<6	0	0		6.2	6.4	6.7	7	7.2	7.3	7.5
	48	0	>9	0	0		6.2	6.4	6.7	7	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	48	0	N/A				60	66	72	78	86	93	97
Water Temperature (°C)	48	0	>32	0	0		4.9	8.9	13	21.1	24.8	25.5	26.1
Other													
Turbidity (NTU)	33	0	>50	2	6.1		6.9	7.4	9.9	13	19	24.8	60
Nutrients (mg/L)													
NH3 as N	33	9	N/A				0.01	0.01	0.01	0.04	0.08	0.2	0.61
NO2 + NO3 as N	33	0	N/A				0.02	0.04	0.07	0.12	0.19	0.24	0.5
TKN as N	33	2	N/A				0.2	0.25	0.28	0.51	0.62	1.29	1.63
Total Phosphorus	33	1	N/A				0.01	0.03	0.05	0.07	0.08	0.11	0.18
Fecal Coliform Screening(#/100mL)													
# results:	Geomean:	# > 400:	% > 400:	%Conf:									
33	73	2	6.1										

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