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

Location: BEAR CRK AT SR 1116 JUNCTION RD NR COOLEEMEE

Station #: Q3555000 **Hydrologic Unit Code:** 03040102

Latitude: 35.82560 **Longitude:** -80.58500 **Stream class:** WS-IV

Agency: YPDRBA **NC stream index:** 12-108-18-(3)

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		5.2	5.8	6.3	7.2	9.2	10.4	11.2
	85	0	<5	0	0		5.2	5.8	6.3	7.2	9.2	10.4	11.2
pH (SU)	85	0	<6	0	0		6.5	6.7	6.8	6.9	7	7.1	7.3
	85	0	>9	0	0		6.5	6.7	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				92	126	145	178	199	216	241
Water Temperature (°C)	85	0	>32	0	0		6	8.4	13	19.9	24.2	26.3	27.9
Other													
Turbidity (NTU)	60	0	>50	4	6.7		2.1	5.6	8.1	12	17	37.8	160
Metals (ug/L)													
Aluminum, total (Al)	14	0	N/A				136	142	228	586	689	1354	1867
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	5	>7	2	14.3	84.2	2	2	2	3	4	52	96
Iron, total (Fe)	14	0	>1000	13	92.9	100	495	755	1162	1332	1706	3126	3970
Lead, total (Pb)	14	14	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	14	0	>200	0	0		43	56	93	111	131	156	172
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	>25	0	0		10	10	10	10	10	15	18
Zinc, total (Zn)	14	11	>50	0	0		10	10	10	10	11	20	25

Fecal Coliform Screening(#/100mL)

# results:	Geomean:	# > 400:	% > 400:	%Conf:
60	81.7	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