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

**Location:** CONTENTNEA CRK AT SR 1622 EVANSDALE RD NR WILSON

**Station #:** J6890000 **Hydrologic Unit Code:** 03020203

**Latitude:** 35.64290 **Longitude:** -77.89020 **Stream class:** C Sw NSW

**Agency:** LNBA **NC stream index:** 27-86-(7)

**Time period:** 01/10/2005 to 12/10/2009

| | # results | # ND | EL | Results not meeting EL # | % | %Conf | Min | Percentiles 10th | 25th | 50th | 75th | 90th | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Field** | | | | | | | | | | | | | |
| D.O. (mg/L) | 85 | 0 | N/A | | | | 3.1 | 5.1 | 5.9 | 6.7 | 8.9 | 10.3 | 12.6 |
| pH (SU) | 85 | 0 | <4.3 | 0 | 0 | | 5.7 | 6.6 | 6.8 | 6.9 | 7 | 7.1 | 7.5 |
| | 85 | 0 | >9 | 0 | 0 | | 5.7 | 6.6 | 6.8 | 6.9 | 7 | 7.1 | 7.5 |
| Spec. conductance (umhos/cm at 25°C) | 85 | 0 | N/A | | | | 87 | 105 | 128 | 158 | 188 | 318 | 473 |
| Water Temperature (°C) | 85 | 0 | >32 | 0 | 0 | | 4.1 | 7.2 | 12.8 | 21.1 | 24.6 | 27.1 | 30.6 |
| **Other** | | | | | | | | | | | | | |
| TSS (mg/L) | 60 | 0 | N/A | | | | 2.6 | 4.5 | 5.2 | 6.9 | 11.8 | 17.9 | 210 |
| Turbidity (NTU) | 60 | 0 | >50 | 0 | 0 | | 4 | 5.4 | 8.4 | 10 | 15 | 25 | 50 |
| **Nutrients (mg/L)** | | | | | | | | | | | | | |
| NH3 as N | 60 | 4 | N/A | | | | 0.01 | 0.02 | 0.05 | 0.09 | 0.24 | 0.34 | 1.42 |
| NO2 + NO3 as N | 60 | 0 | N/A | | | | 0.18 | 0.27 | 0.41 | 0.59 | 1.04 | 1.79 | 4.66 |
| TKN as N | 60 | 0 | N/A | | | | 0.21 | 0.49 | 0.58 | 0.8 | 1.03 | 1.31 | 2.85 |
| Total Phosphorus | 60 | 1 | N/A | | | | 0.02 | 0.07 | 0.09 | 0.17 | 0.41 | 0.61 | 1.29 |

**Fecal Coliform Screening(#/100mL)**

| # results: | Geomean: | # > 400: | % > 400: | %Conf: |
|---|---|---|---|---|
| 60 | 99.5 | 13 | 21.7 | 69.4 |

**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