Ambient Monitoring System Station Summaries

NCDENR, Division of Water Quality Basinwide Assessment Report

Location: ROCKY RIV AT SR 1132 NR HARRISBURG

Station #: Q7780000 Hydrologic Unit Code: 03040105

Latitude: 35.32443 Longitude: -80.56033 Stream class: C

Agency: YPDRBA NC stream index: 13-17

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

| | # results | # ND | Results not meeting EL | | | | | Percentiles | | | | | |
|--------------------------------------|--------------|---------|------------------------|---|----------|-------|------|-------------|------|-------------|------|------|------|
| | | | EL | # | % | %Conf | Min | 10th | 25th | 50th | 75th | 90th | Max |
| Field | | | | | | | | | | | | | |
| D.O. (mg/L) | 85 | 0 | <4 | 0 | 0 | | 5.6 | 6.3 | 6.6 | 7.7 | 10.4 | 11.1 | 12.6 |
| | 85 | 0 | <5 | 0 | 0 | | 5.6 | 6.3 | 6.6 | 7.7 | 10.4 | 11.1 | 12.6 |
| pH (SU) | 85 | 0 | <6 | 0 | 0 | | 6.7 | 6.8 | 6.9 | 7 | 7.1 | 7.2 | 7.5 |
| | 85 | 0 | >9 | 0 | 0 | | 6.7 | 6.8 | 6.9 | 7 | 7.1 | 7.2 | 7.5 |
| Spec. conductance (umhos/cm at 25°C) | 85 | 0 | N/A | | | | 106 | 120 | 134 | 159 | 190 | 210 | 297 |
| Water Temperature (°C) | 85 | 0 | >32 | 0 | 0 | | 5.2 | 6.7 | 10 | 19.8 | 23.2 | 25.1 | 28.1 |
| Other | | | | | | | | | | | | | |
| Turbidity (NTU) | 60 | 0 | >50 | 7 | 11.7 | 75.2 | 2.8 | 4.3 | 6 | 12 | 21.2 | 84.5 | 280 |
| Nutrients (mg/L) | | | | | | | | | | | | | |
| NH3 as N | 60 | 9 | N/A | | | | 0.01 | 0.01 | 0.01 | 0.04 | 0.09 | 0.15 | 0.47 |
| NO2 + NO3 as N | 60 | 0 | N/A | | | | 0.39 | 0.8 | 1.23 | 2.02 | 2.83 | 4.05 | 6.46 |
| TKN as N | 60 | 8 | N/A | | | | 0.2 | 0.2 | 0.33 | 0.54 | 0.88 | 1.26 | 3.53 |
| Total Phosphorus | 60 | 0 | N/A | | | | 0.07 | 0.13 | 0.2 | 0.27 | 0.43 | 0.65 | 1.16 |

Fecal Coliform Screening(#/100mL)

49.5

60

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

0

0

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)