

Instructions: Bold fields must be completed.

| Station Summary                                   |                       |  |  |
|---|-----------------------|--|--|
| Waterbody Name<br>TURTLE CREEK                    |                       | Waterbody ID Code<br>790300                              | Sample ID (YYYYMMDD-CY-FD)<br>20171113-54-02 |
| Sampling Location<br>50 m downstream CTH S NC-347 |                       | Database Key<br>151303098                                |  |
| SWIMS Station ID<br>10010979                      |                       | SWIMS Station Name<br>TURTLE CREEK - CTH S/E. CTY RD     |  |
| Latitude<br>42.54084                              | Longitude<br>88.99224 | Lat/Long Determination Method (circle)<br>SWIMS SWDV GPS | Datum Used if using GPS<br>WGS84 or NAD83    |
| Basin (WMU)<br>LOWER ROCK                         |                       | Watershed Name<br>TURTLE CREEK                           | County<br>ROCK                               |

| Sample and Site Descriptors                           |  |
|---|--|
| Sample Collector (Last Name, First)<br>AMRHEIN, JAMES | Project Name<br>SOUTH DISTRICT NC STREAM STRATIFIED SITES 2017 |

Sampling Device

D-Frame Kick Net     
  Surber Sampler     
  Eckman  
 Ponar     
  Artificial Substrate     
  Hess Sampler     
  Other: \_\_\_\_\_

Habitat Sampled

Riffle     
  Run     
  Pool  
 Other     
  Shoreline Composite     
  Proportionally-Sampled Habitat  
 Littoral Zone     
  Profundal Zone     
  Wetland

|                                |   |                                     |                              |
|--------------------------------|---|-------------------------------------|------------------------------|
| Total Sampling Time (min)<br>2 | Estimated Area Sampled (m <sup>2</sup> )<br>3 | Number of Samples in Composite<br>1 | Replicate No. _____ of _____ |
|--------------------------------|---|-------------------------------------|------------------------------|

Reason For Sampling

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: \_\_\_\_\_

|                        |                      |                        |                 |                                |                   |
|------------------------|----------------------|------------------------|-----------------|--------------------------------|-------------------|
| Water Temp. (C)<br>3.1 | D.O. (mg/l)<br>14.48 | D.O. (% sat.)<br>107.9 | pH (su)<br>8.48 | Conductivity (umhos/cm)<br>752 | Transparency (cm) |
|------------------------|----------------------|------------------------|-----------------|--------------------------------|-------------------|

|   |   |
|---|---|
| Water Color<br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s)<br><input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s) |
|---|---|

|   |                                   |                                   |
|---|-----------------------------------|-----------------------------------|
| Measured Velocity<br>circle units<br>m/s or f/s | Average Stream Depth of reach (m) | Average Stream Width of reach (m) |
|---|-----------------------------------|-----------------------------------|

Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 30  
 Sand: 50 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 50 Canopy Cover at Sample Site (%) 0

**Stream and Watershed Descriptors**

N = Not a problem  
 U = Uncertain  
 PL = Present, Low Impact  
 PH = Present, High Impact

| Factors that may be influencing Water Resource Integrity |  | Local | Water-shed | Factors that may be influencing Water Resource Integrity |  | Local | Water-shed |
|--|--|-------|------------|--|--|-------|------------|
| <b>Biological</b>  |  |       |            | <b>Chemical</b>  |  |       |            |
| Algae: - Diatoms / Periphyton                            |  |       |            | Chlorine   |  |       |            |
| - Filamentous Algae                                      |  |       |            | Dissolved Oxygen   |  |       |            |
| - Planktonic Algae                                       |  |       |            | Nutrients (P, N...)                                      |  |       |            |
| Iron Bacteria  |  |       |            | Toxics: - Inorganic (Metals)                             |  |       |            |
| Macrophytes  |  |       |            | - Organic (PCBs, pesticides...)                          |  |       |            |
| Slimes   |  |       |            | Other - Specify:   |  |       |            |
| Other - Specify:   |  |       |            | <b>Sources of Stream Impacts</b>                         |  |       |            |
|  |  |       |            | Bank Erosion   |  |       |            |
|  |  |       |            | Point Source - Specify:                                  |  |       |            |
| <b>Physical</b>  |  |       |            | Pasturing of Livestock                                   |  |       |            |
| Bank Erosion   |  |       |            | Runoff: - Barnyard                                       |  |       |            |
| Channelization: - Upstream                               |  |       |            | - Construction   |  |       |            |
| - Downstream   |  |       |            | - Cropland   |  |       |            |
| Hydraulic Scour / Channel Incision                       |  |       |            | - Urban  |  |       |            |
| Impoundment: - Upstream                                  |  |       |            | Septic Systems   |  |       |            |
| - Downstream   |  |       |            | Tile Drainage - Organic Soils                            |  |       |            |
| Low Flow   |  |       |            | - Mineral Soils  |  |       |            |
| Sedimentation  |  |       |            | Springs  |  |       |            |
| Sludge   |  |       |            | Tributary(s)   |  |       |            |
| Thermal  |  |       |            | Wetland  |  |       |            |
| Turbidity  |  |       |            | Other - Specify:   |  |       |            |
| Other - Specify:   |  |       |            |  |  |       |            |

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                                     |  |  |
|-------------------------------------|--|--|
| Sample Sorter<br><i>Kyle Wilcox</i> | Taxonomist<br><i>Nimick, Jeffrey</i>                               | Estimated Percent of Sample Sorted<br><i>70%</i> |
| Date Processed<br><i>8/6/18</i>     | Specimens Saved<br><i>Subsample archived in ABL until Nov 2021</i> |  |

*AB = 151*