

**Instructions:** Bold fields must be completed.

**Station Summary**

|  |  |   |   |
|--|--|---|---|
| <b>Waterbody Name</b><br>CHAFFEE CREEK |  | <b>Waterbody ID Code</b><br>155900                              | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20191009-39-04 |
| <b>Sampling Location</b><br>DS 11th Ln |  |   | <b>Database Key</b><br>209690378                    |
| <b>SWIMS Station ID</b><br>10030589    | <b>SWIMS Station Name</b><br>CHAFFEE CREEK - 11TH LN |   |   |
| <b>Latitude</b>                        | <b>Longitude</b>                                     | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV GPS |   |
| <b>Basin (WMU)</b><br>UPPER FOX        |  | <b>Watershed Name</b><br>MECAN RIVER                            | <b>Datum Used if using GPS</b><br>WGS84 or NAD83    |
| <b>County</b><br>MARQUETTE             |  |   |   |

**Sample and Site Descriptors**

|   |  |
|---|--|
| <b>Sample Collector (Last Name, First)</b><br>DAVID BOLHA | <b>Project Name</b><br>EAST DISTRICT NC STREAM STRATIFIED SITES 2019 |
|---|--|

**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

|                                       |  |  |  |
|---------------------------------------|--|--|--|
| <b>Total Sampling Time (min)</b><br>2 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1.0 | <b>Number of Samples in Composite</b><br>1 | <b>Replicate No.</b> _____ <b>of</b> _____ |
|---------------------------------------|--|--|--|

**Reason For Sampling**

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

|                                |                            |                              |                        |   |                                 |
|--------------------------------|----------------------------|------------------------------|------------------------|---|---------------------------------|
| <b>Water Temp. (C)</b><br>10.8 | <b>D.O. (mg/l)</b><br>10.5 | <b>D.O. (% sat.)</b><br>96.3 | <b>pH (su)</b><br>7.85 | <b>Conductivity (umhos/cm)</b><br>256.8 | <b>Transparency (cm)</b><br>120 |
|--------------------------------|----------------------------|------------------------------|------------------------|---|---------------------------------|

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

|  |   |   |
|--|---|---|
| <b>Measured Velocity</b><br>circle units<br>m/s or f/s | <b>Average Stream Depth of reach (m)</b><br>0.7 | <b>Average Stream Width of reach (m)</b><br>6 |
|--|---|---|

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 10  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40     
**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                            | N     | N          | Chlorine   | N     | N          |
| - Filamentous Algae                                      | N     | N          | Dissolved Oxygen   | N     | N          |
| - Planktonic Algae                                       | N     | N          | Nutrients (P, N...)                                      | N     | N          |
| Iron Bacteria  | N     | N          | Toxics: - Inorganic (Metals)                             | N     | N          |
| Macrophytes  | N     | N          | - Organic (PCBs, pesticides...)                          | N     | N          |
| Slimes   | N     | N          | Other - Specify:   |       |            |
| Other - Specify:   |       |            | <b>Sources of Stream Impacts</b>                         |       |            |
|  |       |            | Bank Erosion   | N     | N          |
|  |       |            | Point Source - Specify:                                  | N     | N          |
| <b>Physical</b>  |       |            | Pasturing of Livestock                                   | N     | N          |
| Bank Erosion   | N     | N          | Runoff: - Barnyard                                       | N     | N          |
| Channelization: - Upstream                               | N     | N          | - Construction   | N     | N          |
| - Downstream   | N     | N          | - Cropland   | N     | N          |
| Hydraulic Scour / Channel Incision                       | N     | N          | - Urban  | N     | N          |
| Impoundment: - Upstream                                  | N     | N          | Septic Systems   | N     | N          |
| - Downstream   | N     | N          | Tile Drainage - Organic Soils                            | N     | N          |
| Low Flow   | N     | N          | - Mineral Soils  | N     | N          |
| Sedimentation  | N     | N          | Springs  | N     | N          |
| Sludge   | N     | N          | Tributary(s)   | N     | N          |
| Thermal  | N     | N          | Wetland  | N     | N          |
| Turbidity  | N     | N          | Other - Specify:   |       |            |
| Other - Specify:   |       |            |  |       |            |

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                            |   |  |
|----------------------------|---|--|
| Sample Sorter<br>Eric Naas | Taxonomist<br>Dimick, Jeffrey                               | Estimated Percent of Sample Sorted<br>33 |
| Date Processed<br>8/5/2020 | Specimens Saved<br>Subsample archived in ABC until Oct 2023 |  |

D2 A3 B1 B2 C3  
 21 28 21 30 35 = 135

