

Instructions: Bold fields must be completed.

| Station Summary  |  |   |   |  |  |                                       |
|--|--|---|---|--|--|---------------------------------------|
| Waterbody Name<br><b>RACCOON CREEK</b>   |  |   | Waterbody ID Code<br>874000   |  | Sample ID (YYYYMMDD-CY-FD)<br>20171113-54-04 |                                       |
| Sampling Location<br><i>5 m downstream of STA 81</i>   |  |   |   |  | Database Key<br>151303102                    |                                       |
| SWIMS Station ID<br>10013075   |  | SWIMS Station Name<br>RACCOON CREEK - HWY 81 BRIDGE             |   |  |  |                                       |
| Latitude<br><i>42.52654</i>  | Longitude<br><i>89.19557</i>                         | Lat/Long Determination Method (circle)<br>SWIMS SWDV <b>GPS</b> |   |  | Datum Used if using GPS<br>WGS84 or NAD83    |                                       |
| Basin (WMU)<br>SUGAR - PECATONICA  |  | Watershed Name<br>LOWER SUGAR RIVER                             |   |  | County<br>ROCK                               |                                       |
| Sample and Site Descriptors  |  |   |   |  |  |                                       |
| Sample Collector (Last Name, First)<br>AMRHEIN, JAMES  |  |   |   | Project Name<br>SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS |  |                                       |
| Sampling Device  |  |   |   |  |  |                                       |
| <input checked="" type="checkbox"/> D-Frame Kick Net   |  | <input type="checkbox"/> Surber Sampler                         |   | <input type="checkbox"/> Eckman                                |  |                                       |
| <input type="checkbox"/> Ponar   |  | <input type="checkbox"/> Artificial Substrate                   |   | <input type="checkbox"/> Hess Sampler                          |  | <input type="checkbox"/> Other: _____ |
| Habitat Sampled  |  |   |   |  |  |                                       |
| <input checked="" type="checkbox"/> Riffle   |  | <input type="checkbox"/> Run                                    |   | <input type="checkbox"/> Pool                                  |  |                                       |
| <input type="checkbox"/> Other   |  | <input type="checkbox"/> Shoreline Composite                    |   | <input type="checkbox"/> Proportionally-Sampled Habitat        |  |                                       |
| <input type="checkbox"/> Littoral Zone   |  | <input type="checkbox"/> Profundal Zone                         |   | <input type="checkbox"/> Wetland                               |  |                                       |
| Total Sampling Time (min)<br><i>1</i>  | Estimated Area Sampled (m <sup>2</sup> )<br><i>1</i> | Number of Samples in Composite<br><i>1</i>                      |   |  | Replicate No. _____ of _____                 |                                       |
| Reason For Sampling  |  |   |   |  |  |                                       |
| <input checked="" type="checkbox"/> Least Impacted Reference   |  | <input type="checkbox"/> Baseline                               |   | <input type="checkbox"/> Impact / Treatment Site               |  |                                       |
| <input type="checkbox"/> Control Site  |  | <input type="checkbox"/> Trend                                  |   | <input type="checkbox"/> Other: _____                          |  |                                       |
| Water Temp. (C)<br><i>5.0</i>  | D.O. (mg/l)<br><i>12.59</i>                          | D.O. (% sat.)<br><i>99.2</i>                                    | pH (su)<br><i>8.27</i>  | Conductivity (umhos/cm)<br><i>587</i>                          |  | Transparency (cm)                     |
| Water Color<br><input 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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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): <i>10</i>                      | Rubble (tennisball to basketball): <i>60</i>  |  | Gravel (ladybug to tennisball): <i>20</i>    |                                       |
| Sand: <i>10</i>  |  | Clay: _____   |   | Silt/Muck: _____   |  | Overhanging Vegetation: _____         |
| Aquatic Macrophytes: _____   |  | Leaf Snags: _____   |   | Coarse Woody Debris: _____                                     |  | Other (____): _____                   |
| Embeddedness of Substrate at Sample Site (%) <i>0</i>  |  |   |   | Canopy Cover at Sample Site (%) <i>0</i>                       |  |                                       |

**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:                                  |  |       |            |
|  |  |       |            | Pasturing of Livestock                                   |  |       |            |
| <b>Physical</b>  |  |       |            | Runoff: - Barnyard                                       |  |       |            |
| Bank Erosion   |  |       |            | - Construction   |  |       |            |
| Channelization: - Upstream                               |  |       |            | - Cropland   |  |       |            |
| - Downstream   |  |       |            | - Urban  |  |       |            |
| Hydraulic Scour / Channel Incision                       |  |       |            | Septic Systems   |  |       |            |
| Impoundment: - Upstream                                  |  |       |            | Tile Drainage - Organic Soils                            |  |       |            |
| - Downstream   |  |       |            | - Mineral Soils  |  |       |            |
| Low Flow   |  |       |            | Springs  |  |       |            |
| Sedimentation  |  |       |            | Tributary(s)   |  |       |            |
| Sludge   |  |       |            | Wetland  |  |       |            |
| Thermal  |  |       |            | Other - Specify:   |  |       |            |
| Turbidity  |  |       |            |  |  |       |            |
| Other - Specify:   |  |       |            |  |  |       |            |

Comments

Special Instructions for Laboratory

| For Lab Use Only                  |   |   |
|-----------------------------------|---|---|
| Sample Sorter <i>Sam Lamarche</i> | Taxonomist <i>Dimick, Jeffrey</i>                               | Estimated Percent of Sample Sorted <i>13.90</i> |
| Date Processed <i>10/23/18</i>    | Specimens Saved <i>subsample archived in ABC until Jan 2022</i> |   |

*ID 3C  
 86 62*