

Instructions: Bold fields must be completed.

**Station Summary**

|                                          |                              |                                             |
|------------------------------------------|------------------------------|---------------------------------------------|
| Waterbody Name<br>SOUTH FORK PAINT CREEK | Waterbody ID Code<br>2153300 | Sample ID (YYYYMMDD-CY-FD)<br>20211110-09-2 |
|------------------------------------------|------------------------------|---------------------------------------------|

|                                                                      |                           |
|----------------------------------------------------------------------|---------------------------|
| Sampling Location<br>Under bridge, 5m US of bridge, 10m DS of bridge | Database Key<br>290075891 |
|----------------------------------------------------------------------|---------------------------|

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| SWIMS Station ID<br>10008657 | SWIMS Station Name<br>S FORK PAINT CREEK - 40TH AVE (LAFAYETTE RD.) [1] |
|------------------------------|-------------------------------------------------------------------------|

|          |           |                                                          |                                           |
|----------|-----------|----------------------------------------------------------|-------------------------------------------|
| Latitude | Longitude | Lat/Long Determination Method (circle)<br>SWIMS SWDV GPS | Datum Used if using GPS<br>WGS84 or NAD83 |
|----------|-----------|----------------------------------------------------------|-------------------------------------------|

|                               |                                                     |                    |
|-------------------------------|-----------------------------------------------------|--------------------|
| Basin (WMU)<br>LOWER CHIPPEWA | Watershed Name<br>LOWER YELLOW (CHIPPEWA CO.) RIVER | County<br>CHIPPEWA |
|-------------------------------|-----------------------------------------------------|--------------------|

**Sample and Site Descriptors**

|                                                      |                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------|
| Sample Collector (Last Name, First)<br>MYCAL RALEIGH | Project Name<br>LITTLE LAKE WISSOTA TWA 2020 (319 PROJECT-FUNDED) |
|------------------------------------------------------|-------------------------------------------------------------------|

**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 type="checkbox"/> Riffle        | <input checked="" 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>5.5 | Estimated Area Sampled (m <sup>2</sup> )<br>5 | Number of Samples in Composite<br>1 | Replicate No. <u>1</u> of <u>1</u> |
|----------------------------------|-----------------------------------------------|-------------------------------------|------------------------------------|

**Reason For Sampling**

|                                                   |                                   |                                                       |
|---------------------------------------------------|-----------------------------------|-------------------------------------------------------|
| <input 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 checked="" type="checkbox"/> Other: <u>TWA</u> |

|                 |             |               |         |                         |                   |
|-----------------|-------------|---------------|---------|-------------------------|-------------------|
| Water Temp. (C) | D.O. (mg/l) | D.O. (% sat.) | pH (su) | Conductivity (umhos/cm) | 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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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)<br>0.2 | Average Stream Width of reach (m)<br>4m |
|-------------------------------------------------|------------------------------------------|-----------------------------------------|

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

|                            |                                            |                                          |                                       |
|----------------------------|--------------------------------------------|------------------------------------------|---------------------------------------|
| Bedrock: _____             | Boulders (basketball or larger): <u>20</u> | Rubble (tennisball to basketball): _____ | Gravel (ladybug to tennisball): _____ |
| Sand: <u>5</u>             | Clay: _____                                | Silt/Muck: _____                         | Overhanging Vegetation: <u>70</u>     |
| Aquatic Macrophytes: _____ | Leaf Snags: _____                          | Coarse Woody Debris: <u>5</u>            | Other (____): _____                   |

|                                                        |                                           |
|--------------------------------------------------------|-------------------------------------------|
| Embeddedness of Substrate at Sample Site (%) <u>30</u> | Canopy Cover at Sample Site (%) <u>10</u> |
|--------------------------------------------------------|-------------------------------------------|

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

Comments Stream is shallow and sandy, very little substrate. Sampled boulders under bridge and overhanging rock and woody debris

Special Instructions for Laboratory

**For Lab Use Only**

|                                    |                                                             |                                            |
|------------------------------------|-------------------------------------------------------------|--------------------------------------------|
| Sample Sorter<br>Katherine McClure | Taxonomist<br>Dimick, Jeffray                               | Estimated Percent of Sample Sorted<br>1.6% |
| Date Processed<br>8/12/22          | Specimens Saved<br>Subsample archived in ABL until Oct 2025 |                                            |

B1Q1: 143 D494,  
B1Q3: D493;  
B1Q2: D492;  
B1Q4: D491

143

| Taxa                                              | Life Stage | Bench Tally      | Count | Taxonomic Reference | Condition | Unique Taxon |
|---------------------------------------------------|------------|------------------|-------|---------------------|-----------|--------------|
| <i>Backus brunneator</i>                          | L          | I                | 1     | Kuh 2016            |           |              |
| <i>Leptophlebia</i>                               | L          | II               | 2     | MCB 2019            |           |              |
| <i>Prostera</i>                                   | L          | III              | 3     | "                   |           |              |
| <i>Taeniopteryx huxleyi</i>                       | L          | II               | 2     | Full Stear 1980     |           |              |
| <i>Brachycentrus occidentalis</i>                 | L          | II               | 2     | Hols 1985           |           |              |
| <i>Limnophilidae</i>                              | L          | III              | 4     | MCB 2019            | imm       | N            |
| <i>Pycnopsycha</i>                                | L          | III              | 3     | "                   |           |              |
| <i>Limnophila</i>                                 | L          | I                | 1     | "                   |           |              |
| <i>Caecidotea</i>                                 | A          | I                | 1     | Thompson 2016       | fem       |              |
| <i>Naicinae</i>                                   | A          | 0 IIII           | 24    | Katibian 1998       |           |              |
| <i>Tubificorinae (without hairs)</i>              | A          | I                | 1     | "                   |           |              |
| <del><i>Split Aza Chironomidae</i></del>          | L          | <del>8-200</del> |       |                     |           |              |
| <del><i>Split Aza Chironomidae</i></del>          | L          | <del>8-200</del> |       |                     |           |              |
| <i>Corynoptera</i>                                | L          | III              | 4     | And et al 2013      |           |              |
| <i>Parametopaenemus</i>                           | L          | XII              | 13    | "                   |           |              |
| <i>Thienemannella</i>                             | L          | I                | 1     | "                   | imm       | N            |
| <i>Tsetseba hawaiiensis</i> group                 | L          | II               | 7     | Bode 1983           |           |              |
| <i>Microtendipes pedellus</i> group               | L          | I                | 1     | And et al 2013      |           |              |
| <i>Rhytanytarsus</i>                              | L          | XIII             | 13    | "                   |           |              |
| <i>Streblochromoncus</i>                          | L          | III              | 3     | "                   |           |              |
| <i>Tanyptera</i>                                  | L          | I                | 1     | "                   | imm       | N            |
| <i>Conchapelopia</i>                              | L          | III              | 4     | "                   |           |              |
| <i>Odontomesa fulva</i>                           | L          | I                | 1     | Epler 2001          |           |              |
| <i>Brillua</i>                                    | L          | I                | 1     | And et al 2013      | imm       |              |
| <i>Ceratoporus (Ceratoporus) bicinctus</i> group  | L          | III              | 4     | "                   |           |              |
| <i>Diplocladius</i>                               | L          | I                | 1     | "                   |           |              |
| <i>Parekrieffella</i>                             | L          | II               | 2     | "                   |           |              |
| <i>Rhyacocricotopus</i>                           | L          | I                | 1     | "                   |           |              |
| <i>Thienemannella xera</i>                        | L          | I                | 1     | Bolton 2012         |           |              |
| <i>Microtendipes rydalensis</i> group             | L          | II               | 2     | And et al 2013      |           |              |
| <i>Paratanytarsus longistylus</i>                 | L          | I                | 1     | "                   |           |              |
| <i>P. species A</i>                               | L          | I                | 6     | Hols unpubl         |           |              |
| <i>Microsestera</i>                               | L          | I                | 5     | And et al 2013      |           |              |
| <i>Polypodilum (Polypodilum) illinoense</i> group | L          | I                | 1     | Bolton 2012         |           |              |
| <i>P. (Unsepidilum) aviceps</i>                   | L          | 8-III            | 39    | "                   |           |              |
| <i>Stempellinella</i>                             | L          | I                | 1     | And et al 2013      |           |              |

Taxonomist: Dimick, Jeffrey

SWIMS Database Key: 290075891

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[illegible]