

Instructions: Bold fields must be completed.

**Station Summary**

|                                                 |                                                                                                 |                                                                        |                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Waterbody Name</b><br>SPRING BROOK           |                                                                                                 | <b>Waterbody ID Code</b><br>1440800                                    | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20161005-34-07     |
| <b>Sampling Location</b><br>@ 5TH 64 - upstream |                                                                                                 |                                                                        | <b>Database Key</b><br>133642151                        |
| <b>SWIMS Station ID</b><br>343111               | <b>SWIMS Station Name</b><br>SPRING BROOK - HIGHWAY 64 /UPSTREAM OF BRIDGE NORTH SIDE OF STREAM |                                                                        |                                                         |
| <b>Latitude</b><br>45.16253                     | <b>Longitude</b><br>-89.12802                                                                   | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV <u>GPS</u> | <b>Datum Used if using GPS</b><br>WGS84 or <u>NAD83</u> |
| <b>Basin (WMU)</b><br>CENTRAL WISCONSIN         |                                                                                                 | <b>Watershed Name</b><br>SPRINGBROOK CREEK                             | <b>County</b><br>LANGLADE                               |

**Sample and Site Descriptors**

|                                                                               |                                                                       |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Sample Collector (Last Name, First)</b><br>JAMES KLOSIEWSKI Joe Cunningham | <b>Project Name</b><br>NORTH DISTRICT NC STREAM STRATIFIED SITES 2016 |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|

**Sampling Device**

|                                              |                                               |                                                                             |
|----------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> 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 <i>combo</i> | <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                        |

|                                            |                                                                   |                                                            |                                    |
|--------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|------------------------------------|
| <b>Total Sampling Time (min)</b><br>1 min. | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1 m <sup>2</sup> | <b>Number of Samples in Composite</b><br>3-20 second Kicks | <b>Replicate No.</b> 1 <b>of</b> 1 |
|--------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|------------------------------------|

**Reason For Sampling**

|                                                   |                                              |                                                  |
|---------------------------------------------------|----------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Least Impacted Reference | <input checked="" type="checkbox"/> Baseline | <input type="checkbox"/> Impact / Treatment Site |
| <input type="checkbox"/> Control Site             | <input type="checkbox"/> Trend               | <input type="checkbox"/> Other: _____            |

|                                |                           |                             |                               |                                       |                                  |
|--------------------------------|---------------------------|-----------------------------|-------------------------------|---------------------------------------|----------------------------------|
| <b>Water Temp. (C)</b><br>11.9 | <b>D.O. (mg/l)</b><br>9.8 | <b>D.O. (%sat.)</b><br>90.2 | <b>pH (su)</b><br>probe issue | <b>Conductivity (umhos/cm)</b><br>413 | <b>Transparency (cm)</b><br>7120 |
|--------------------------------|---------------------------|-----------------------------|-------------------------------|---------------------------------------|----------------------------------|

|                                                                                                                                  |                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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>0.25 | <b>Average Stream Width of reach (m)</b><br>3.5 m |
|--------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|

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

|                         |                                        |                                       |                                    |
|-------------------------|----------------------------------------|---------------------------------------|------------------------------------|
| Bedrock: _____          | Boulders (basketball or larger): _____ | Rubble (tennisball to basketball): 30 | Gravel (ladybug to tennisball): 30 |
| Sand: 20                | Clay: _____                            | Silt/Muck: _____                      | Overhanging Vegetation: _____      |
| Aquatic Macrophytes: 20 | Leaf Snags: _____                      | Coarse Woody Debris: _____            | Other (____): _____                |

|                                                         |                                           |
|---------------------------------------------------------|-------------------------------------------|
| <b>Embeddedness of Substrate at Sample Site (%)</b> 30? | <b>Canopy Cover at Sample Site (%)</b> 0? |
|---------------------------------------------------------|-------------------------------------------|

**Stream and Watershed Descriptors**

N = Not a problem  
U = Uncertain

PL = Present, Low Impact  
PH = Present, High Impact

| Factors that may be influencing<br>Water Resource Integrity | Local | Water-<br>shed | Factors that may be influencing<br>Water Resource Integrity | Local | Water-<br>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                                                | U     | U              |
|                                                             |       |                | Point Source - Specify:                                     |       |                |
|                                                             |       |                | Pasturing of Livestock                                      |       |                |
| <b>Physical</b>                                             |       |                | Runoff: - Barnyard                                          |       |                |
| Bank Erosion                                                | U     | U              | - Construction                                              |       |                |
| Channelization: - Upstream                                  |       |                | - Cropland                                                  |       |                |
| - Downstream                                                |       |                | - Urban                                                     |       |                |
| Hydraulic Scour / Channel Incision                          |       |                | Septic Systems                                              |       |                |
| Impoundment: - Upstream                                     |       |                | Tile Drainage - Organic Soils                               |       |                |
| - Downstream                                                | U     | U              | - Mineral Soils                                             |       |                |
| Low Flow                                                    |       |                | Springs                                                     |       |                |
| Sedimentation                                               |       |                | Tributary(s)                                                |       |                |
| Sludge                                                      |       |                | Wetland                                                     | U     |                |
| Thermal                                                     |       |                | Other - Specify:                                            |       |                |
| Turbidity                                                   |       |                |                                                             |       |                |
| Other - Specify:                                            |       |                |                                                             |       |                |

Comments

Special Instructions for Laboratory

| For Lab Use Only                 |                                                             |                                          |
|----------------------------------|-------------------------------------------------------------|------------------------------------------|
| Sample Sorter<br>Andrew Kohlmann | Taxonomist<br>Dimick, Jeffrey                               | Estimated Percent of Sample Sorted<br>7% |
| Date Processed<br>5/1/17         | Specimens Saved<br>Subsample archived in B32 until Oct 2020 |                                          |

02-270

[illegible]