

Instructions: Bold fields must be completed.

| Station Summary | | |
|-------------------------------------|------------------------------------|---|
| Waterbody Name PINE RIVER | Waterbody ID Code 247800 | Sample ID (YYYYMMDD-CY-FD) 20171027-70-02 |
| Sampling Location | | Database Key 149424413 |

| | | | |
|-----------------------------------|---|---|--|
| SWIMS Station ID 703073 | SWIMS Station Name LOWER PINE RIVER AT 19TH DRIVE | | |
| Latitude 44.202354 | Longitude -89.22731 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) WOLF RIVER | Watershed Name PINE AND WILLOW RIVERS | County WAUSHARA | |

| Sample and Site Descriptors | |
|---|--|
| Sample Collector (Last Name, First) DAVID BOLHA | Project Name EAST 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) 5 | Estimated Area Sampled (m²) 3.0 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|---------------------------------------|--|--|-------------------------------------|

Reason For Sampling

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

| | | | | | |
|-----------------------------------|---------------------------|-----------------------------|-----------------------|---|---------------------------------|
| Water Temp. (°C) 47.00F | D.O. (mg/l) 8.8 | D.O. (%sat.) 75.8 | pH (su) 7.8 | Conductivity (umhos/cm) 402.2 | Transparency (cm) 120 |
|-----------------------------------|---------------------------|-----------------------------|-----------------------|---|---------------------------------|

| | |
|--|--|
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <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 circle units m/s or f/s | Average Stream Depth of reach (m) 1.5 | Average Stream Width of reach (m) 6.0 |
|--|---|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): _____
 Rubble (tennisball to basketball): 30
 Gravel (ladybug to tennisball): 50
 Sand: 20
 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 |
|--|--|-------|------------|--|--|-------|------------|
| Biological | | | | Chemical | | | |
| Algae: - Diatoms / Periphyton | | PL | PL | Chlorine | | N | N |
| - Filamentous Algae | | PL | PL | Dissolved Oxygen | | N | N |
| - Planktonic Algae | | N | N | Nutrients (P, N...) | | PL | PL |
| Iron Bacteria | | N | N | Toxics: - Inorganic (Metals) | | N | N |
| Macrophytes | | PH | PH | - Organic (PCBs, pesticides...) | | N | N |
| Slimes | | N | N | Other - Specify: | | | |
| Other - Specify: | | | | Sources of Stream Impacts | | | |
| | | | | Bank Erosion | | N | N |
| | | | | Point Source - Specify: | | N | N |
| Physical | | | | 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 | PL |
| Impoundment: - Upstream | | PH | PH | Septic Systems | | N | N |
| - Downstream | | N | PL | Tile Drainage - Organic Soils | | N | N |
| Low Flow | | N | N | - Mineral Soils | | N | N |
| Sedimentation | | PL | PL | Springs | | PL | PL |
| Sludge | | N | N | Tributary(s) | | N | N |
| Thermal | | PL | PL | Wetland | | PL | PL |
| Turbidity | | N | N | Other - Specify: | | | |
| Other - Specify: | | | | | | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|--------------------------------------|---|---|
| Sample Sorter <i>Kayla Wilcox</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted 70% |
| Date Processed 07/10/18 | Specimens Saved Subsample archived in dBL until Nov 2021 | |

E1=312