

Instructions: Bold fields must be completed.

Station Summary

| | | |
|-----------------------|--------------------------|-----------------------------------|
| Waterbody Name | Waterbody ID Code | Sample ID (YYYYMMDD-CY-FD) |
| | | 20181021-50-7 |

| | |
|--|----------------------------------|
| Sampling Location 1255-R-80m-3g-102118 | Database Key 177584060 |
|--|----------------------------------|

| | |
|-------------------------------------|---|
| SWIMS Station ID 10049350 | SWIMS Station Name EMMONS CREEK - CONTROL REACH NEAR STRATTON LAKE RD |
|-------------------------------------|---|

| | | | |
|-----------------------------|-------------------------------|---|--|
| Latitude 44.29605 | Longitude -89.24131 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
|-----------------------------|-------------------------------|---|--|

| | | |
|----------------------------------|--|--------------------------|
| Basin (WMU) WOLF RIVER | Watershed Name WAUPACA RIVER | County PORTAGE |
|----------------------------------|--|--------------------------|

Sample and Site Descriptors

| | |
|--|---|
| Sample Collector (Last Name, First) DAVID A BOLHA, MICHAEL P SHUPRYT | Project Name EMMONS CREEK DISCHARGE REDUCTION MI FY18 |
|--|---|

Sampling Device

D-Frame Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: Core

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

| | | | |
|----------------------------------|---|---------------------------------------|-------------------------------------|
| Total Sampling Time (min) | Estimated Area Sampled (m²) | Number of Samples in Composite | Replicate No. _____ of _____ |
|----------------------------------|---|---------------------------------------|-------------------------------------|

Reason For Sampling

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

| | | | | | |
|------------------------|--------------------|----------------------|----------------|--------------------------------|--------------------------|
| Water Temp. (C) | D.O. (mg/l) | D.O. (% sat.) | pH (su) | Conductivity (umhos/cm) | Transparency (cm) |
|------------------------|--------------------|----------------------|----------------|--------------------------------|--------------------------|

| | |
|---|---|
| Water Color <input 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 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) | Average Stream Width of reach (m) |
|--|--|--|

Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** _____

Stream and Watershed Descriptors

N = Not a problem PL = Present, Low Impact
 U = Uncertain PH = Present, High Impact

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

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|----------------|---|------------------------------------|
| Sample Sorter | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted |
| Date Processed | Specimens Saved <i>Sample archived in ABZ until Oct 2022</i> | |

