

Instructions: Bold fields must be completed.

| Station Summary | | | |
|---|--------------------------------|---|---|
| Waterbody Name FOUNTAIN CREEK | | Waterbody ID Code 280800 | Sample ID (YYYYMMDD-CY-FD) 20171011-69-01 |
| Sampling Location | | | Database Key 149424586 |
| SWIMS Station ID 10048066 | | SWIMS Station Name FOUNTAIN CREEK US SYMCO RD | |
| Latitude 44.510101 | Longitude -88.833387 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) WOLF RIVER | | Watershed Name LOWER LITTLE WOLF RIVER | County WAUPACA |

| Sample and Site Descriptors | |
|---|---|
| Sample Collector (Last Name, First) DAVID A BOLHA, JEREMY L MAASS, ERIC | Project Name BEAR LAKE TWA 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) 4 | Estimated Area Sampled (m²) 3 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|---------------------------------------|--|--|-------------------------------------|

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Targeted Watershed Assessment

| | | | | | |
|-----------------------------------|---------------------------|-----------------------------|-----------------------|---|---------------------------------|
| Water Temp. (°C) 51.3°F | D.O. (mg/l) 7.0 | D.O. (%sat.) 62.6 | pH (su) 7.5 | Conductivity (umhos/cm) 680.9 | Transparency (cm) 120 |
|-----------------------------------|---------------------------|-----------------------------|-----------------------|---|---------------------------------|

Water Color **Estimated Stream Velocity (m/s)**

Clear
 Turbid
 Stained
 Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

| | | |
|--|---|---|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) 0.1 | Average Stream Width of reach (m) 1.0 |
|--|---|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 20 Clay: _____ Silt/Muck: 30 Overhanging Vegetation: 20
 Aquatic Macrophytes: 20 Leaf Snags: _____ Coarse Woody Debris: 10 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 100 **Canopy Cover at Sample Site (%)** 80

* Limited habitat; few bugs collected

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

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|---------------------------------------|--|---|
| Sample Sorter <i>Grant Goodwin</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted 27% |
| Date Processed 3/12/18 | Specimens Saved subsample archived in ABC until June 2021 | <i>JJD</i> |

01 767
 03
 02 41
 41 29
 137

| Taxa | Life Stage | Benthic Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|--------------------------------------|--------------|------------------|------------------|----------------------------|-----------|--------------|
| Limnephilidae | L | ii | 2 | Hilsenhoff 1995 | imm | |
| Hydroena | A | i | 1 | Hilsenhoff 1995b | | |
| Cricoides | L | iiii | 4 5 | Hilsenhoff 1995 | | |
| Proboezzia | L | 88 ND | 80 | " | | |
| Ephydriidae | L | i | 1 | Court, Merr. 2008 | | |
| Chironomus | L | / | 5 | Hilsenhoff 1995 | | |
| Dicranota | L | i | 1 | " | | |
| Neirus | L | ii | 2 | " | | |
| Pilaria | L | iiii | 4 | " | | |
| Topia | L | iii | 3 | " | | |
| Chaetocladius | P | i | 1 | Fer. et al. 2008 | | |
| Gammarus pseudolimnoides | A | iiii | 4 | Hilsinger 1972 | | |
| Ceratomyx | A | ii | 2 | " | imm | |
| Caecidotea | A | i | 1 | Williams 1972 | imm | |
| Podocopa | A | ii | 2 | Rogers 2016 | | |
| Enchytraeidae | A | ii | 2 | Bain, Brink. 2016 | | |
| tubificoid Naididae w/o hair chaetae | A | xi | 31 | Ersev et al 2008 | | Y |
| tubificoid Naididae w/ hair chaetae | A | xi | 11 | " | | Y |
| Megadrili | A | i | 1 | " | | |
| Lymnaeidae | A | i | 1 | Rogers 2016 | dam | N |
| Fossaria | A | -i | 6 | " | | |
| Physa | A | ii | 2 | " | | |
| Planorbidae | A | i | 1 | " | imm | Y |
| Gyraulus deflectus | A | i | 1 | " | | |
| Pisidium | A | -ii | 7 | Bureh 1972 | | |
| split A3 chironomidae | L | +ND | | | | |
| Mallechobdella | L | i | 1 | Hilsenhoff 1995 | | |
| Fam. A. 2013 Zavrelimyia | L | ii | 2 | Crn, Epler 2013 | | |
| Orthocladinae 0830000 | L | i | 1 | Crnston 2013 | not idet | N |
| Diplocladius | L | xx | 25 | Ander + 3 2013 | | |
| Hydrobates | L | i | 1 | " | | |
| Limnophyes | L | iii | 3 | " | | |
| Parametriocnemus | L | iii | 3 | " | | |
| Chironominae 0830000 | L | iiii | 4 | Crnston 2013 | not idet | N |
| Glyptotendipes | L | i | 1 | Epler et al 2013 | | |
| Microsetra | L | xi | 11 ND | " | | |

