

Instructions: Bold fields must be completed.

Station Summary

| | | |
|---|-------------------------------------|---|
| Waterbody Name EAU CLAIRE RIVER | Waterbody ID Code 1437600 | Sample ID (YYYYMMDD-CY-FD) 20181029-37-01 |
|---|-------------------------------------|---|

| | |
|--|----------------------------------|
| Sampling Location DS bridge ~15m | Database Key 171260380 |
|--|----------------------------------|

| | |
|-------------------------------------|--|
| SWIMS Station ID 10028972 | SWIMS Station Name EAU CLAIRE RIVER AT CTH Z |
|-------------------------------------|--|

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

| | | |
|---|---|---------------------------|
| Basin (WMU) CENTRAL WISCONSIN | Watershed Name LOWER EAU CLAIRE (MARATHON CO.) RIVE | County MARATHON |
|---|---|---------------------------|

Sample and Site Descriptors

| | |
|---|--|
| Sample Collector (Last Name, First) MYCAL RALEIGH | Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM |
|---|--|

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) 1 | Estimated Area Sampled (m²) 1.5 | Number of Samples in Composite 1 | Replicate No. 1 of 1 |
|---------------------------------------|--|--|------------------------------------|

Reason For Sampling

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

| | | | | | |
|------------------------|--------------------|----------------------|----------------|--------------------------------|--------------------------|
| 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 checked="" 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 checked="" type="checkbox"/> Fast (> 0.5 m/s) |
|--|--|

| | | |
|--|---|--|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) .25 | Average Stream Width of reach (m) 35 |
|--|---|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 50 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 20
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 | 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 | N | U | Other - Specify: | | |
| Other - Specify: | | | Sources of Stream Impacts | | |
| | | | Bank Erosion | N | U |
| | | | Point Source - Specify: | | |
| Physical | | | Pasturing of Livestock | N | U |
| Bank Erosion | N | U | Runoff: - Barnyard | N | U |
| Channelization: - Upstream | N | U | - Construction | N | U |
| - Downstream | N | U | - Cropland | N | U |
| 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 | N | U | - Mineral Soils | U | U |
| Sedimentation | N | U | Springs | U | U |
| Sludge | N | U | Tributary(s) | U | U |
| Thermal | N | U | Wetland | U | U |
| Turbidity | N | U | Other - Specify: | | |
| Other - Specify: | | | | | |

Comments

Special Instructions for Laboratory

2A = 19

2B = 42

3C = 67

Total = 128

\$6

For Lab Use Only

| | | |
|-----------------------------------|---|---|
| Sample Sorter Murphy Steinboer | Taxonomist Dimick Jeffrey | Estimated Percent of Sample Sorted 20% |
| Date Processed 10/31/2019 | Specimens Saved Subsample archived in ABC until Jan 2023 | |

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|--|------------|-------------|-------|---------------------|-----------|--------------|
| <i>Acemena pygmaea</i> | L | u | 2 | Klob 2016 | | |
| <i>Eurylophella</i> | L | u | 2 | " | imm | |
| <i>Tetrascanopsis deficiens</i> | L | uuu | 4 | " | | |
| <i>Leucocuta</i> | L | -l | 6 | " | | |
| <i>Marcaffertium</i> | L | uu | 3 | " | | |
| <i>M. mediopunctatum</i> | L | u | 2 | " | | |
| <i>M. modestum</i> | L | l | 1 | " | | |
| <i>M. vicarium</i> | L | l | 1 | " | | |
| <i>Stenacron interpunctatum</i> | L | l | 1 | " | | |
| <i>Paraheptanthebra</i> | L | l | 1 | " | imm | N |
| <i>P. mellis</i> | L | l | 1 | " | | |
| <i>Isonychia</i> | L | -l | 6 | " | imm | |
| <i>Calopteryx maculata</i> | L | l | 1 | West May 1996 | | |
| <i>Bomphidae</i> | L | x-l | 16 | Tennessee 2019 | imm | N |
| <i>Oniscocomphus</i> | L | u | 2 | " | | |
| <i>Taeniopteryx</i> | L | uu | 3 | Hils 1995 | imm | N |
| <i>T. burksi</i> | L | l | 1 | Fell Stew 1960 | | |
| <i>Ceratopsyche</i> | L | u | 2 | Hils 1995 | imm | N |
| <i>C. alternans</i> | L | u | 2 | Schm Hils 1986 | | |
| <i>C. branta</i> | L | - | 5 | " | | |
| <i>C. marosa</i> | L | u | 2 | " | imm | N |
| <i>C. m. marosa form</i> | L | uu | 3 | " | | |
| <i>Cheumatopsyche</i> | L | uu | 3 | Hils 1995 | | |
| <i>Neophylax</i> | L | l | 1 | " | imm | |
| <i>Nigronia serricornis</i> | L | l | 1 | Neunzig 1966 | | |
| <i>Dubiraphia</i> | L | l | 1 | Hils Schm 1992 | | |
| <i>Optoservus</i> | L | - | 5 | " | imm | N |
| <i>O. trivittatus</i> | L, A | l, u | 4 | " | | |
| <i>Stenelmis</i> | L | - | 5 | " | | |
| <i>Ectopria thoracica</i> | L | l | 1 | " | | |
| <i>Psephenus herricki</i> | L | - | 5 | " | | |
| <i>Simulidae</i> | L | l | 1 | Hils 1995 | imm | |
| <i>Pseudolimnephila</i> | L | u | 2 | " | | |
| <i>Gammarus pseudolimnoides</i> | A | u | 2 | Hils 1972 | | |
| <i>Conchaplusia</i> 08270700 | L | l | 1 | Cran Epl 2013 | | |
| <i>Microtendipes pedellus</i> group | L | l | 1 | Epl et al 2013 | | |
| <i>Polydora</i> (Polydora) <i>illinoense</i> group | L | l | 1 | Bolton 2012 | | |

