

20170919-64-04

Station Summary

| | | |
|--|------------------------|--|
| Waterbody Name WISCONSIN RIVER | WBIC 1179900 | Field Seq no. generated by SWIMS 149841365 |
|--|------------------------|--|

| | | | |
|-------------------------------------|--|--|--|
| SWIMS Station ID 10049290 | SWIMS Station Name WISCONSIN R APP. 3 MILES DS FROM OTTER RAPIDS DAM | | |
|-------------------------------------|--|--|--|

| | | | |
|--|---------------------------------------|---|------------------------|
| Field Sample ID (retrieval date) 9/19/17 | Basin (WMU) UPPER WISCONSIN | Watershed Name SUGAR CAMP CREEK | County VILAS |
|--|---------------------------------------|---|------------------------|

Project Name RELATIONSHIP BETWEEN MIBI SCORES AND DISTANCE DOWNSTREAM FROM DAMS

| | | | |
|-------------------------------|---------------------------------|------------------------------------|-----------------------------|
| Latitude 45.9109577 | Longitude -89.3733294 | Determination Method GPS | Datum Used WGS 84 |
|-------------------------------|---------------------------------|------------------------------------|-----------------------------|

Site Access Details: Accessed from STH-70 app. 50m away

Sample and Site Descriptors

Sampling Device

- Standard Non-wadeable Hester Dendy Hester Dendy Area Calculation = Plate Size (cm) 762 cm²
 Number of Plates 8
 Other Device: _____ Device Area Calculation = Plate Size (cm) _____

Habitat Sampled

- Suspended River Bed

Snags (no./100m) 3 Avg. size (dbh) _____ Coniferous and/or Deciduous (circle)

Riparian Land Use, Vegetation, and Condition: Natural trees/shrub STH-70

Substrate Composition

Bedrock _____ % Boulder _____ % Cobble 30 % Gravel 70 %
 Sand _____ % Silt _____ % Clay _____ % Muck _____ %
 Aquatic Macrophytes _____ % CWD _____ % Other (_____): _____ %

Field Measurements

| | Deployment | Retrieval | Total Colonization Time (Days) |
|---------------------------------------|--------------------|-----------------------------|--------------------------------|
| Date: | 8/8/17 | 9/19/17 | 42 |
| Time: | 13:30 | 14:22 | |
| Personnel: | Klosiewski, Kleist | Klosiewski, Kleist, Schmitz | River death low. slope |
| Water Depth at Location (m): | 0.7 | 0.4 | |
| Sampler Height Above Substrate (m): | 0.2 | 0.2 | |
| Bank Placement: R L | L - 30ft | same | |
| Distance From Bank: | 9m | same | |
| Water Temp (C): | 22.4 | 20.6 | |
| Water Color (clear, turbid, stained): | stained | same | |
| D.O. (mg/L): | 8.8 | 8.2 | |
| pH: | 7.1 | 7.3 | |
| Conductivity: | 88 | 94.0 | |
| Transparency Tube (cm): | >120 | >120 | |
| Turbidity (NTUs): | | | |
| Water Velocity (m/s): | 0.5 | 0.15 | |

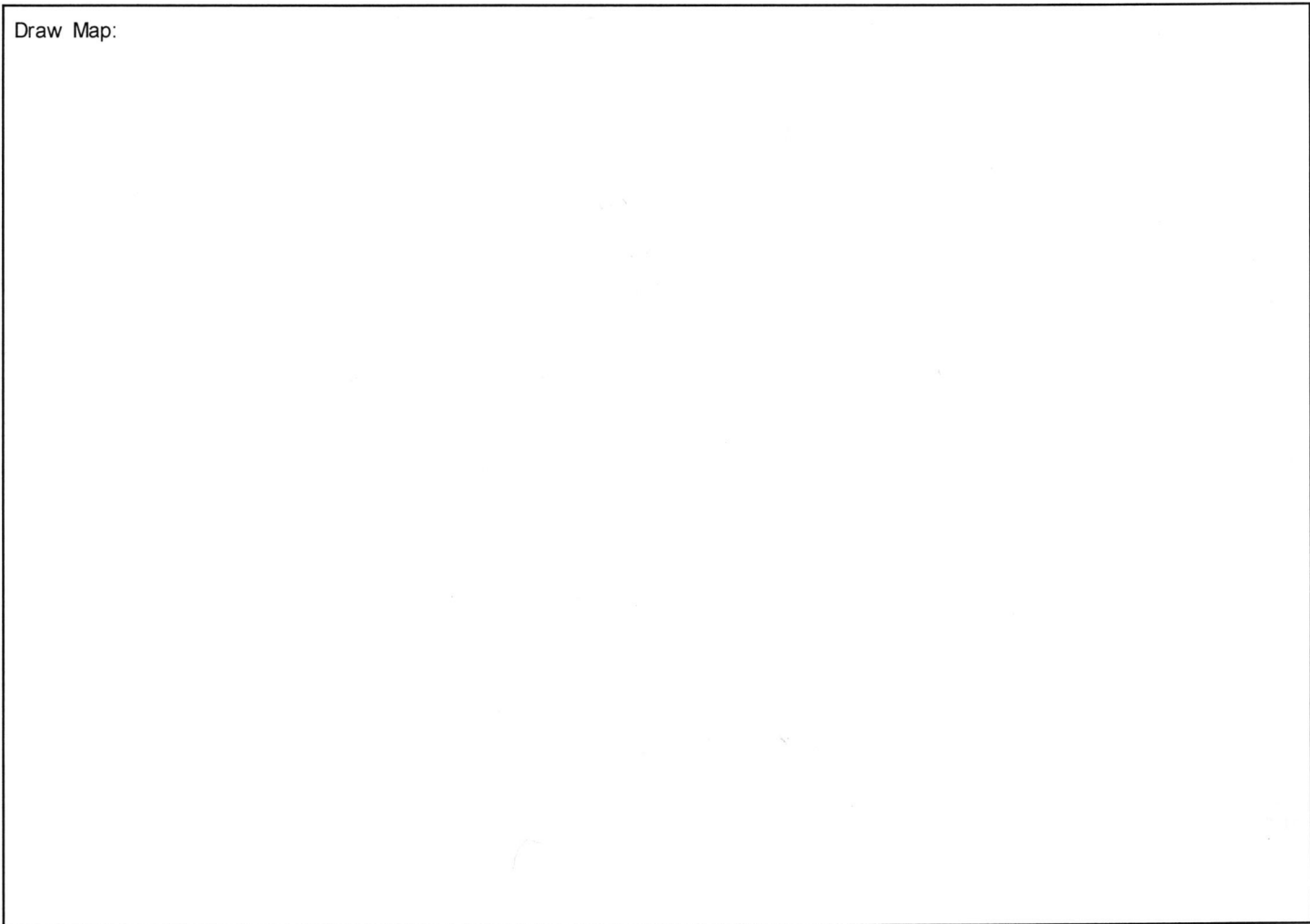
Ho-Hd-01005105

Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

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Draw Map:



Ethanol replaced the second day? Yes ~~No~~
 Label on inside of jar? ~~Yes~~ No
 Label on outside of jar? Yes No

Additional Notes:

| For Lab Use Only | | |
|------------------|--|------------------------------------|
| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
| Kayla Wilcox | Dimick, Jeffrey | 15.6% |
| Date Processed | Specimens Saved | |
| 10/28 | subsample archived in ABC until Jan 2021 | |

63, = ~~end~~ 233 } 549 15 squares
 56 → ~~end~~

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon | L/R? Y/N |
|----------------------------------|------------|-------------|-------|---------------------|----------------|--------------|----------|
| Baetis | L | III | 3 | Klivenhantz 2016 | imm | N | |
| B. intercalaris | L | -II | 7 | " | | | |
| B. flavistriga species group | L | 0II | 22 | " | | | |
| Caenis | L | I | 1 | " | imm | | |
| Ephemeroptera | L | II | 3 | " | imm | | |
| Heptageniidae | L | III | 3 | " | dam/imm | | |
| Maccaffertium | L | I | 5 | " | imm | n=4 Y | |
| M. vicarium | L | I | 1 | " | | | |
| Leptophlebiidae | L | II | 2 | " | dam | | |
| Isoperla | L | -II | 7 | " | imm | | |
| Hydropsychidae | L | -II | 11 | Nilsenhoff 1995 | imm | N | |
| Cheumatopsyche | L | BB-1 | 86 | " | | | |
| Hydropsyche | L | 4I | 6 | " | imm | N | |
| H. scalaris | L | III | 3 | Schm. Hils. 1986 | | | |
| H. simulans | L | -I | 6 | " | | | |
| Ceratopsyche | L | I | 1 | Nilsenhoff 1995 | imm | N | |
| C. alternans | L | II | 2 | Schm. Hils. 1986 | | | |
| C. mucosa bifida form | L | I | 1 | " | | | |
| Lepidoptera unknown taxon | L | I | 1 | Bassett et al 1976 | | | |
| Chironomus | L | I | 1 | Nilsenhoff 1995 | | | |
| Simulium | L | II | 2 | Adler et al 2004 | imm | N | |
| S. vittatum species complex | L | BB-II | 87 | " | | | |
| Simulium | P | Bx-II | 57 | " | | N | |
| S. jenningsi species group | L | -II | 7 | " | | | |
| Mermithida | A | I | 1 | Poirar 1991 | imm | | |
| Maididae | A | XII | 12 | Bonn. Geld. 1991 | | Y | |
| Stylaria fossularis | A | I | 1 | Hilt, Klein 1985 | | | |
| split to Chironomidae | L | III | 12 | | | | |
| Thienemannella | P | I | 1 | Ferr. et al. 2008 | | N | |
| Nanocladius (Nanocladius) | P | I | 1 | " | | N | |
| Cricotopus (Cricotopus) | P | I | 1 | Coff. et al 1986 | | N | |
| Rheotanytarsus | P | I | 1 | Ferr. et al 2008 | | | |
| Carynozeura | L | I | 1 | Anderson 2013 | | | |
| Tanyptodinae 08270000 | L | I | 1 | Coarsten 2013 | | N | |
| Conchapelopia | L | II | 2 | Cran. Epler 2013 | | | |
| Miltotanyptus | L | III | 3 | " | | | |
| Thienemannimyia group | L | IIII | 4 | " | mt. indet/ dam | N | |
| Panorpa fenella | L | I | 1 | Anderson 2013 | | | |
| Thienemannella | L | -II | 7 | " | dam | N | |

