

Instructions: **Bold** fields must be completed.

Station Summary

| | | |
|--|-------------------------------------|---|
| Waterbody Name LITTLE BEAVER CREEK | Waterbody ID Code 2076300 | Sample ID (YYYYMMDD-CY-FD) 20160929-17-12 |
|--|-------------------------------------|---|

| | |
|---|----------------------------------|
| Sampling Location DS culvert 1-2m | Database Key 133642044 |
|---|----------------------------------|

| | |
|-------------------------------------|--|
| SWIMS Station ID 10046956 | SWIMS Station Name LITTLE BEAVER CREEK AT 350TH STREET |
|-------------------------------------|--|

| | | | |
|-------------------------------|---------------------------------|---|--|
| Latitude 45.1453729 | Longitude -91.9798891 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
|-------------------------------|---------------------------------|---|--|

| | | |
|--------------------------------------|------------------------------------|-----------------------|
| Basin (WMU) LOWER CHIPPEWA | Watershed Name HAY RIVER | County DUNN |
|--------------------------------------|------------------------------------|-----------------------|

Sample and Site Descriptors

| | |
|---|--|
| Sample Collector (Last Name, First) Ring, Jacob | Project Name BIG BEAVER CREEK TWA [SECTION 319] 2016 |
|---|--|

Sampling Device

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) 6 min | Estimated Area Sampled (m²) 5 m ² | Number of Samples in Composite 1 | Replicate No. <u>1</u> of <u>1</u> |
|---|---|--|---|

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 checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input checked="" 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) .4 | Average Stream Width of reach (m) 2 m |
|--|--|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20% Rubble (tennisball to basketball): 20% Gravel (ladybug to tennisball): 20%
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 40%
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 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 | Watershed | Factors that may be influencing Water Resource Integrity | Local | Watershed |
|--|-------|-----------|--|-------|-----------|
| Biological | | | Chemical | | |
| Algae: - Diatoms / Periphyton | N | | Chlorine | | |
| - Filamentous Algae | N | | Dissolved Oxygen | | |
| - Planktonic Algae | N | | Nutrients (P, N...) | | |
| Iron Bacteria | N | | Toxics: - Inorganic (Metals) | | |
| Macrophytes | N | | - Organic (PCBs, pesticides...) | | |
| Slimes | N | | Other - Specify: | | |
| Other - Specify: | | | Sources of Stream Impacts | | |
| | | | Bank Erosion | U | |
| | | | Point Source - Specify: | | |
| Physical | | | Pasturing of Livestock | PH | PH |
| Bank Erosion | N | | Runoff: - Barnyard | N | |
| Channelization: - Upstream | N | | - Construction | N | N |
| - Downstream | N | | - Cropland | PH | |
| Hydraulic Scour / Channel Incision | N | | - Urban | N | N |
| Impoundment: - Upstream | N | | Septic Systems | | |
| - Downstream | N | | Tile Drainage - Organic Soils | | |
| Low Flow | U | | - Mineral Soils | | |
| Sedimentation | U | | Springs | | |
| Sludge | N | | Tributary(s) | | |
| Thermal | U | | Wetland | | |
| Turbidity | U | | Other - Specify: | | |
| Other - Specify: | | | | | |

Comments

Special Instructions for Laboratory

| For Lab Use Only | | |
|--|--|---|
| Sample Sorter <i>Mekayla Gronholm</i> | Taxonomist <i>Dimick Jeffrey</i> | Estimated Percent of Sample Sorted <i>100%</i> |
| Date Processed <i>1/18/17</i> | Specimens Saved <i>Subsample archived in ABC until Apr 2020</i> | |

A1: 7 B2: 3 D2: 3 A2: 10 E2: 2
 C2: 4 C1: 5 A3: 5 B3: 8 D3: 6 *65*
 E3: 3 D1: 2 B1: 3 E1: 2 C3: 1