

Instructions: Bold fields must be completed.

Station Summary

| | | |
|--|-------------------------------------|---|
| Waterbody Name QUARTER CREEK | Waterbody ID Code 2077200 | Sample ID (YYYYMMDD-CY-FD) 20160929-17-04 |
|--|-------------------------------------|---|

| | |
|--|----------------------------------|
| Sampling Location DS of Culvert 5m | Database Key 133642052 |
|--|----------------------------------|

| | |
|-------------------------------------|---|
| SWIMS Station ID 10011706 | SWIMS Station Name QUARTER CREEK - 1-QUATER CREEK. 50' U.S. OF 290TH AVE. |
|-------------------------------------|---|

| | | | |
|------------------------------|-------------------------------|---|--|
| Latitude 45.197388 | Longitude -92.01089 | 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) 3min | Estimated Area Sampled (m²) 2m ² | 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 checked="" 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 checked="" 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) 13 | Average Stream Width of reach (m) 3m |
|--|--|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): 10
 Rubble (tennisball to basketball): 20
 Gravel (ladybug to tennisball): 15
 Sand: 40
 Clay: _____
 Silt/Muck: 15
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: _____
 Coarse Woody Debris: _____
 Other (____): _____

Embeddedness of Substrate at Sample Site (%) 10
Canopy Cover at Sample Site (%) 10

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 | N | |
| | | | Point Source - Specify: | | |
| Physical | | | Pasturing of Livestock | PL | |
| Bank Erosion | N | | Runoff: - Barnyard | N | |
| Channelization: - Upstream | N | | - Construction | N | |
| - Downstream | N | | - Cropland | PL | |
| Hydraulic Scour / Channel Incision | N | | - Urban | N | |
| Impoundment: - Upstream | N | | Septic Systems | | |
| - Downstream | N | | Tile Drainage - Organic Soils | | |
| Low Flow | N | | - Mineral Soils | | |
| Sedimentation | N | | Springs | | |
| Sludge | N | | Tributary(s) | | |
| Thermal | N | | Wetland | | |
| Turbidity | N | | Other - Specify: | | |
| Other - Specify: | | | | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|---|--|---|
| Sample Sorter <i>Mekayla Gironholm</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted <i>100%</i> |
| Date Processed <i>1/7/16</i> | Specimens Saved <i>Subsample archived in ABE until Apr 2020</i> | |

B3: 6 C1: 7 D2: 3 A2: 6 C3: 2
 B1: 11 C2: 4 B1: 4 D1: 5 E2: 5
 B2: 6 E3: 1 E1: 7 A3: 6 D3: 6

84