

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> ONION RIVER	<b>Waterbody ID Code</b> 51200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181116-60-03
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<b>Sampling Location</b> riffle near end of station	<b>Database Key</b> 168915239
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<b>SWIMS Station ID</b> 603292	<b>SWIMS Station Name</b> ONION RIVER AT EERNISE RD
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<b>Latitude</b> 43.59645	<b>Longitude</b> -87.83828	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> SHEBOYGAN	<b>Watershed Name</b> ONION RIVER	<b>County</b> SHEBOYGAN
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> CRAIG HELKER	<b>Project Name</b> ONION RIVER EASTERN DISTRICT TWA 2018
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**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

<b>Total Sampling Time (min)</b> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 2.70	<b>D.O. (mg/l)</b> 12.13	<b>D.O. (% sat.)</b> 92.3	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b> 748.3	<b>Transparency (cm)</b> 1120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> 2.01	circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b> 10.9
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 50    
**Canopy Cover at Sample Site (%)** 80

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

Comments

Special Instructions for Laboratory

3D = 151      P41 = 151

**For Lab Use Only**

Sample Sorter Murphy Steiner	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 9%
Date Processed 4/2/2019	Specimens Saved Subsample archived in ABL m41 Jun 2022	

