

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name ONION RIVER	Waterbody ID Code 51200	Sample ID (YYYYMMDD-CY-FD) 20181112-60-01
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Sampling Location 505 riffle	Database Key 168915219
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SWIMS Station ID 10032113	SWIMS Station Name ONION RIVER UPSTREAM OF CTH OO
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Latitude 43.6516	Longitude -87.8218	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) SHEBOYGAN	Watershed Name ONION RIVER	County SHEBOYGAN
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Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG HELKER	Project Name 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: Pool

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 3.15	D.O. (mg/l) 12.27	D.O. (% sat.) 92.1	pH (su) 7.48	Conductivity (umhos/cm) 694.2	Transparency (cm) 1120
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity 2.11	circle units m/s or f/s <u>60</u>	Average Stream Depth of reach (m) 1.0	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30
Canopy Cover at Sample Site (%) 70

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>3/30/2019</i>	Specimens Saved <i>Subsample archived in ABC until Jun 2022</i>	

B1. A1 B2 C3
 24 53 42 37 156 total