

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name HAY CREEK	Waterbody ID Code 2067000	Sample ID (YYYYMMDD-CY-FD) 20161020-17-08
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Sampling Location US 5m	Database Key 133642180
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SWIMS Station ID 10010741	SWIMS Station Name HAY CREEK - HAY CREEK STATION 1 250TH STREET.
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Latitude 44.93328	Longitude -92.035286	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name WILSON CREEK	County DUNN
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Sample and Site Descriptors

Sample Collector (Last Name, First) Ring, Jacob	Project Name WILSON CREEK WEST TWA 2016
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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) 2 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 49 °F	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 circle units m/s or f/s	Average Stream Depth of reach (m) .25	Average Stream Width of reach (m) 2.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 70 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): _____

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 0
 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	U		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	
			Point Source - Specify:		
Physical			Pasturing of Livestock	PH	
Bank Erosion	PH		Runoff: - Barnyard	N	
Channelization: - Upstream	N		- Construction	N	
- Downstream	N		- Cropland	PH	
Hydraulic Scour / Channel Incision	N		- Urban	N	
Impoundment: - Upstream	N		Septic Systems	U	
- Downstream	N		Tile Drainage - Organic Soils	U	
Low Flow	N		- Mineral Soils	U	
Sedimentation	U		Springs		
Sludge	N		Tributary(s)		
Thermal	U		Wetland		
Turbidity	N		Other - Specify:		
Other - Specify:					

Comments White water Crawfish Common. Heavy cattle pasturing US & DS, then cropland surrounding. As we look DS, about 40 cattle are scattered on both sides of the stream and a few in the stream.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Mekayla Gironholm	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 1/5/17	Specimens Saved Subsample archived in ABC until Mar 2020	

B3: 64 + 13
 E2: 89

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