

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

Station Summary			
Waterbody Name HAY CREEK		Waterbody ID Code 2067000	Sample ID (YYYYMMDD-CY-FD) 20161020-17-03
Sampling Location 10 m DS bridge		Database Key 133642184	
SWIMS Station ID 10039670		SWIMS Station Name HAY CREEK AT 190TH ST	
Latitude 44.93514	Longitude -92.06543	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name WILSON CREEK	County DUNN
Sample and Site Descriptors			
Sample Collector (Last Name, First)		Project Name WILSON CREEK WEST TWA 2016	
Sampling Device			
<input checked="" type="checkbox"/> Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 2 min	Estimated Area Sampled (m²) 1.5 m ²	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____			
Water Temp. (C) 45.0 F	D.O. (mg/l)	D.O. (% sat.)	pH (su)
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) 3 m		Average Stream Width of reach (m) 3 m
Composition of Substrate Sampled (Percent):			
Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____ Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____ Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: <u>100</u> Other (): _____ Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) <u>70%</u>			

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

Comments 5m-10m wooded buffer between farm fields + stream as far as we can see.

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Alison Kuhnle	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 1/4/17	Specimens Saved Subsample archived in ABC until Mar 2020	

C2 → 44
 B3 → 62
 A1 → 54 160