

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name WILSON CREEK			Waterbody ID Code 2066000		Sample ID (YYYYMMDD-CY-FD) 20161020-17-07
Sampling Location				Database Key 133642212	
SWIMS Station ID 10010694		SWIMS Station Name WILSON CREEK - WILSON CREEK STATION 11 80TH ST.			
Latitude 44.95019	Longitude -92.115654		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) Raleigh, Mycal			Project Name WILSON CREEK WEST TWA 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) 1 min	Estimated Area Sampled (m ²) 1.5 m ²		Number of Samples in Composite 1		Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____					
Water Temp. (°F) 46°F	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
Water Color ☒ Clear ☐ Turbid ☐ Stained				Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)	
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) .2 m		Average Stream Width of reach (m) 4 m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 90	
Sand: _____		Clay: _____		Gravel (ladybug to tennisball): 10	
Silt/Muck: _____		Overhanging Vegetation: _____			
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (____): _____					
Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) 0%					

Stream and Watershed Descriptors

N = Not a problem PL = Present, Low Impact
U = Uncertain 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	PL	U	Chlorine	N	N
- Filamentous Algae	PL	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	U	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes			- Organic (PCBs, pesticides...)	U	U
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:	N	U
Physical			Pasturing of Livestock	PH	PH
Bank Erosion	N		Runoff: - Barnyard	N	U
Channelization: - Upstream	U		- Construction	N	U
- Downstream	U		- Cropland	PH	PH
Hydraulic Scour / Channel Incision	U		- Urban	N	N
Impoundment: - Upstream	N		Septic Systems	U	
- Downstream	N		Tile Drainage - Organic Soils	U	
Low Flow	U		- Mineral Soils	U	
Sedimentation	U		Springs		
Sludge	N		Tributary(s)		
Thermal	U		Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments Bug riffle is @ cattle crossing of stream and the barbed wire fence crosses the stream twice, keeping the cattle in the stream or on the immediate margins. Beyond the pasture area is cropland. US of bridge is a much larger wooded corridor, and less immediate impacts from Ag fields and obviously less due to no pasturing US of bridge.

For Lab Use Only		
Sample Sorter Kuhre, Alison	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 1310
Date Processed 1-5-17	Specimens Saved Subsample archived in ABL until Mar 2020	

C3 → 103
D3 → 154
257