

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name NORTH BRANCH WILSON CREEK			Waterbody ID Code 2067200		Sample ID (YYYYMMDD-CY-FD) 20171002-17-02
Sampling Location 8m US bridge					Database Key 148368968
SWIMS Station ID 173243		SWIMS Station Name WILSON CREEK NORTH BRANCH - NORTH BRANCH WILSON CREEK			
Latitude 44.988812	Longitude -92.1155213		Lat/Long Determination Method (circle) <u>SWIMS</u> 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) MYCAL RALEIGH			Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame 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 checked="" type="checkbox"/> Riffle <input 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) 5 (30 sec)	Estimated Area Sampled (m ²) 1m ²		Number of Samples in Composite 1		Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling					
<input checked="" 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) 11.59	D.O. (mg/l) 10.8	D.O. (%sat.) 99.5	pH (su) 7.96	Conductivity (umhos/cm) 541	Transparency (cm)
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) .15		Average Stream Width of reach (m) 3	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>80</u>	Gravel (ladybug to tennisball): <u>20</u>	
Sand: _____		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) <u>0</u>			Canopy Cover at Sample Site (%) <u>20</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	U	Chlorine		
- Filamentous Algae	N	U	Dissolved Oxygen		
- Planktonic Algae	N	U	Nutrients (P, N...)		
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)		
Macrophytes	N	U	- Organic (PCBs, pesticides...)		
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream impacts		
			Bank Erosion	N	U
Physical			Point Source - Specify:		
Bank Erosion	PL	U	Pasturing of Livestock	N	U
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	U
- Downstream	N	N	- Construction	N	U
Hydraulic Scour / Channel Incision	N	U	- Cropland	N	U
Impoundment: - Upstream	N	N	- Urban	N	U
- Downstream	N	N	Septic Systems		
Low Flow	N	U	Tile Drainage - Organic Soils		
Sedimentation	PL	U	- Mineral Soils		
Sludge	N	N	Springs	U	U
Thermal	U	U	Tributary(s)	U	U
Turbidity	U	U	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kyle Wilcox</i>	Taxonomist <i>Dimick Jeffray</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>10/30/16</i>	Specimens Saved <i>Subsample archived in ABC until Jan 2022</i>	

C3 = 89
 E2 = 108

