

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> NORTH BRANCH WILSON CREEK	<b>Waterbody ID Code</b> 2067200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171002-17-02
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<b>Sampling Location</b> 8m US bridge	<b>Database Key</b> 148368968
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<b>SWIMS Station ID</b> 173243	<b>SWIMS Station Name</b> WILSON CREEK NORTH BRANCH - NORTH BRANCH WILSON CREEK
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<b>Latitude</b> 44.988812	<b>Longitude</b> -92.1155213	<b>Lat/Long Determination Method (circle)</b> <u>SWIMS</u> SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER CHIPPEWA	<b>Watershed Name</b> WILSON CREEK	<b>County</b> DUNN
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> MYCAL RALEIGH	<b>Project Name</b> WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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**Sampling Device**

D-Frame 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

<b>Total Sampling Time (min)</b> 5 (30 sec)	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> <u>1</u> <b>of</b> <u>1</u>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 11.59	<b>D.O. (mg/l)</b> 10.8	<b>D.O. (%sat.)</b> 99.5	<b>pH (su)</b> 7.96	<b>Conductivity (umhos/cm)</b> 541	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> .15	<b>Average Stream Width of reach (m)</b> 3
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 20  
 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 (%)** 20

**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
<b>Biological</b>			<b>Chemical</b>		
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:			<b>Sources of Stream impacts</b>		
			Bank Erosion	N	U
<b>Physical</b>			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