

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> LITTLE VANCE CREEK	<b>Waterbody ID Code</b> 2077300	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20160929-03-01
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<b>Sampling Location</b> 5 m DS bridge (Dunn Cty)	<b>Database Key</b> 133642048
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<b>SWIMS Station ID</b> 10044778	<b>SWIMS Station Name</b> LITTLE VANCE CREEK AT COUNTY LINE ROAD
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<b>Latitude</b> 45.2089288	<b>Longitude</b> -92.0069148	<b>Lat/Long Determination Method (circle)</b> SWIMS 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> HAY RIVER	<b>County</b> BARRON
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Raleigh, Mycal	<b>Project Name</b> BIG BEAVER CREEK TWA [SECTION 319] 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

<b>Total Sampling Time (min)</b> 3 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2 m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<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> .2 m	<b>Average Stream Width of reach (m)</b> 1.5 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 20% Rubble (tennisball to basketball): 60% Gravel (ladybug to tennisball): 10%  
 Sand: 10% 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	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N		Chlorine	N	
- Filamentous Algae	N		Dissolved Oxygen		
- Planktonic Algae	N		Nutrients (P, N...)		
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion		
			Point Source - Specify:	N	
			Pasturing of Livestock		
			Runoff: - Barnyard		
			- Construction	N	
			- Cropland		
			- Urban	N	N
			Septic Systems		
			Tile Drainage - Organic Soils		
			- Mineral Soils		
			Springs		
			Tributary(s)		
			Wetland		
			Other - Specify:		
<b>Physical</b>					
Bank Erosion					
Channelization: - Upstream					
- Downstream					
Hydraulic Scour / Channel Incision	N				
Impoundment: - Upstream	N				
- Downstream	N				
Low Flow	N				
Sedimentation					
Sludge	N				
Thermal	N				
Turbidity					
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Andrew Kohlmann	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 33%
Date Processed 1/6/17	Specimens Saved Subsample archived in ABL under 1 Apr 2020	

E3-18  
 A1-37  
 D1-7.9  
 C3-112

B3-129