

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name NORTH BRANCH LITTLE RIVER		Waterbody ID Code 442800	Sample ID (YYYYMMDD-CY-FD) 20181003-43-04
Sampling Location 30 m US			Database Key 168363629
SWIMS Station ID 10051353		SWIMS Station Name NORTH BRANCH LITTLE RIVER 20M US CTY HWY B	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name LITTLE RIVER	County OCONTO

Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name LITTLE RIVER TWA ASSESSMENT 2018

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

Total Sampling Time (min) 3	Estimated Area Sampled (m <sup>2</sup> ) 3	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: TWA

Water Temp. (C) 12.76	D.O. (mg/l) 10.30	D.O. (% sat.) 99.7	pH (su) 8.21	Conductivity (umhos/cm) 670	Transparency (cm) >122
--------------------------	----------------------	-----------------------	-----------------	--------------------------------	---------------------------

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)	Average Stream Width of reach (m)
---	-----------------------------------	-----------------------------------

Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 10  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) \_\_\_\_\_ Canopy Cover at Sample Site (%) \_\_\_\_\_

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Kiersten Czarnecki	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 77%
Date Processed 2/27/2019	Specimens Saved Subsample archived in ABC until May 2022	

CI=301

