

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name POKEGAMA RIVER		Waterbody ID Code 2844000	Sample ID (YYYYMMDD-CY-FD) 20171013-16-04
Sampling Location 4 m US Irondale Rd		Database Key 149840099	
SWIMS Station ID 163208		SWIMS Station Name POKEGAMA RIVER - SEC 25 T48N R15W	
Latitude 46.60733	Longitude -92.19366	Lat/Long Determination Method (circle) SWIMS SWDV <b>GPS</b>	Datum Used if using GPS <b>WGS84</b> or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name ST. LOUIS AND LOWER NEMADJI RIVER	County DOUGLAS

Sample and Site Descriptors	
Sample Collector (Last Name, First) CRAIG P ROESLER, CHANG VANG	Project Name NORTHERN DISTRICT TWA 2017

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) 1.5	Estimated Area Sampled (m <sup>2</sup> ) 1.5	Number of Samples in Composite 3	Replicate No. <u>1</u> of <u>1</u>
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Reason for Sampling

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

Water Temp. (C) 9.8	D.O. (mg/l) 9.9	D.O. (%sat.) 89	pH (su) 7.6	Conductivity (umhos/cm) 192	Transparency (cm) 16
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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) 0.3	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 90 Gravel (ladybug to tennisball): 10  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 10 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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Justin Kowalski	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 12/17/17	Specimens Saved Subsample archived in ABC until Apr 2021	

A3 D2  
 96 42

