

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Unnamed Trib to W.F. Mandan (Kerikka Cr.)	Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD) 20181002-2605
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Sampling Location

40m DS Park Rd

SWIMS Station ID 10051589	SWIMS Station Name Unnamed (Kerikka Cr.) (2991800) Trib to W.F. Mandan River. 115m DS Park Rd		Database Key 168769005
Latitude 46.47932	Longitude -90.25677	Lat/Long Determination method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS NAD 27 or <u>NAD83</u>

Basin (WMU) Lake Superior	Watershed Name Montreal River	County Iron
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Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name Mandan TWA
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Sampling Device

<input checked="" type="checkbox"/> 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) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite 3	Replicate No. 1 of 1
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Reason for Sampling			Montreal River
<input type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site	TWA
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input checked="" type="checkbox"/> Other: _____	

Water Temp. (C) 9.0	D.O. (mg/l) 11.2	D.O. (% sat.) 96.8	pH (su) 7.3	Conductivity (umhos/cm) 141	Transparency (cm) >120
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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)
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Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball or basketball): <u>20</u>	Gravel (ladybug to tennisball.): <u>80</u>
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Course Woody Debris: _____	Other (_____): _____

Embeddedness of Substrate at Sample Site (%) <u>0</u>	Canopy Cover at Sample Site (%) <u>50</u>
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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	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Other -Specify:			Toxics: - Inorganic (Metals)	N	N
Iron Bacteria	PL	U	- Organic (PCBs, pesticides ...)	N	N
Macrophytes	N	N	Other - Specify:		
Slimes	N	N	Sources of Stream Impacts		
Other - Specify:			Bank Erosion	PL	PL
Physical			Point Source - Specify:	N	N
Bank Erosion	PL	PL	Pasturing of Livestock	N	N
Channelization - Upstream	N	N	Runoff: - Barnyard	N	N
- Downstream	N	N	- Construction	PL	N
Hydraulic Scour / Channel Incision	N	N	- Cropland	N	N
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	N	N
Sedimentation	PL	PL	- Minerals soils	N	N
Sludge	N	N	Springs	PL	PL
Thermal	N	N	Tributary(s)	N	U
Turbidity	N	N	Wetland	N	PL
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Sam Lamarche	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 70%
Date Processed 3/29/19	Specimens Saved subsample archived in ABL vials 1 Jun 2022	

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