

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> Unnamed Trib to W.F. Mendota (Kerikka Cr.)	<b>Waterbody ID Code</b>	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181002-2605
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**Sampling Location**

40m DS Park Rd

<b>SWIMS Station ID</b> 10051589	<b>SWIMS Station Name</b> Unnamed (Kerikka Cr.) (2991000) Trib to W.F. Mendota River. 115m DS Park Rd		<b>Database Key</b> 168769005
<b>Latitude</b> 46.47932	<b>Longitude</b> -90.25677	<b>Lat/Long Determination method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> NAD 27 or <b>NAD83</b>

<b>Basin (WMU)</b> Lake Superior	<b>Watershed Name</b> Montreal River	<b>County</b> Iowa
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b>	<b>Project Name</b> Montreal TWA
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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> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 3	<b>Replicate No.</b> 1 of 1
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**Reason for Sampling**

Least Impacted Reference       Baseline       Impact / Treatment Site  
 Control Site       Trend       Other: Montreal River TWA

<b>Water Temp. (C)</b> 9.0	<b>D.O. (mg/l)</b> 11.2	<b>D.O. (% sat.)</b> 96.8	<b>pH (su)</b> 7.3	<b>Conductivity (umhos/cm)</b> 141	<b>Transparency (cm)</b> >120
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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)

<b>Measured Velocity</b> circle units mps or cfs	<b>Average Stream Depth of reach (m)</b> 0.4	<b>Average Stream Width of reach (m)</b> 2
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** 0      **Canopy Cover at Sample Site (%)** 50

# Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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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
<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...)	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	<b>Sources of Stream Impacts</b>		
Other - Specify:			Bank Erosion	PL	PL
<b>Physical</b>			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 <i>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>3/29/19</i>	Specimens Saved <i>subsample archived in ABL vials 1 Jun 2022</i>	

*C3*  
*187*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracapnia angulata</i>	L	011	22	Hitch 1974		
<i>Leuctra</i>	L	1	1	Hils 1995	imm	
<i>Isoperla signata</i>	L	11	2	Hils 1982		
<i>Taeniopterygidae</i>	L	1	1	Hils 1995	imm	
<i>Baetis tricaudatus</i>	L	111	3	Klub 2016		
<i>B. flavistriga</i> species complex	L	1	1	"		
<i>Acrispenna</i>	L	x111	15	"	dam	N
<i>A. maddunoughi</i>	L	x11	12	"		
<i>Ephemerella subvaria</i>	L	111	3	"		
<i>Eurylophella</i>	L	111	3	"	imm	N
<i>Leucocosta</i>	L	-11	7	"		
<i>Maccaffertium vicarium</i>	L	1	1	"		
<i>Paraleptophlebia</i>	L	8-	35	"	dam/imm	
<i>Cheumatopsyche</i>	L	-	5	Hils 1995		
<i>Hydropsyche</i>	L	11	2	"	imm	N
<i>H. betteri</i>	L	1	1	Schum Hils 1986		
<i>Ceratopsyche alhedra</i>	L	1	1	"		
<i>C. glasserai</i>	L	1	1	"		
<i>Chimarra aterrima</i>	L	-11	7	Hils 1982		
<i>Dolophilodes distinctus</i>	L	-111	9			
<i>Opatoserrus</i>	L	01	21	Hils Schum 1992	imm	N
<i>O. fastidius</i> L, 5 A, 5	L/A	x	10	"		
<i>Atherix variegata</i>	L	1	1	Hils 1995		
<i>Antocha</i>	L	1	1	"		
<i>Lumbriculus</i>	A	x11	12	Thorp Reg 2016		
<del>split A3 Chironomidae</del>	L	+JSD				
<i>Phlebotria acra</i> group	L	1	1	Epler 2001		
<i>Zarelimyia</i> 00273000	L	1	1	Can Epl 2013		
<i>Parametrioicnemis</i>	L	-1	6	And + 3 2013		
<i>Thienemannella xena</i>	L	1	1	Bolton 2012		
<i>Tvetenia bavarica</i> group	L	1	1	Bode 1983		
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	1	1	And + 3 2013		
<i>Micropsectra</i>	L	1	1	Epl et al 2013		
<i>Polypedilum (Uresipedilum) aviceps</i>	L	111	3	Bolton 2012		
<i>Tanybarus</i>	L	1	1	Epl et al 2013		