

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LINNUNPURO CREEK		Waterbody ID Code 2943100	Sample ID (YYYYMMDD-CY-FD) 20171020-26-06
Sampling Location Upstream CTH M			Database Key 149277921
SWIMS Station ID 10032140		SWIMS Station Name LINNUNPURO CREEK ON COUNTY HIGHWAY C	
Latitude 46.38455	Longitude -90.18009	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name MONTREAL RIVER	County IRON

Sample and Site Descriptors

Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name MONTREAL RIVER WATERSHED TWA 2017
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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 min	Estimated Area Sampled (m²) 2 m ²	Number of Samples in Composite 3 sweeps	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 10.2	D.O. (mg/l) 8.9	D.O. (%sat.) 79.0	pH (su) 6.8	Conductivity (umhos/cm) 61.8	Transparency (cm) 2/20
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.6 m	Average Stream Width of reach (m) 3.0 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 10%	Gravel (ladybug to tennisball): _____
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 20%
Aquatic Macrophytes: 70% Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____			

Embeddedness of Substrate at Sample Site (%) 40%	Canopy Cover at Sample Site (%) 0%
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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			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion		
			Point Source - Specify:		
Physical			Pasturing of Livestock		
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland	u	u
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	<i>Kayla W. Cox</i>	Taxonomist	<i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted	<i>13%</i>
Date Processed	<i>6/13/18</i>	Specimens Saved	<i>Subsample archived in BAC LAB L... until Oct 2021</i>		

B1 = 68
E1 = 96

Wisconsin Department of Natural Resources

ABL SampleNum: 20171020-26-06

Taxonomist: Dimick, Jeffrey

Waterbody: Linnunpuro Creek

SWIMS Database Key: 149277921

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerperana</i>	L	-	5	Kub 2016	dam	
<i>Eurylophella</i>	L	1	1	"	imm	
<i>Stenacron</i>	L	11	2	"	imm	
<i>Leptophlebia</i>	L	11	2	"	dam	
<i>L. cupida</i>	L	8-1111	39	"		
<i>Oxyethira</i>	L	11	2	Hils 1995		
<i>Limnephilus</i>	L	1	1	"		
<i>Platycentropus amicus</i>	L	1	1	Wigg 1996		
<i>Molanna blanda</i>	L	1	1	Bright 2013		
<i>Dubiraphia</i>	L	111	3	Hiltschm 1992		N
<i>D. quadrinotata</i>	A	1	1	"		
<i>D. vittata</i>	A	1	1	"		
<i>Hyalella azteca</i>	A	8-1	46	Saucer et al 2015		
<i>Serramyla</i>	L	1	1	Hils 1995		
<i>Hesperocorixa minorella</i>	A	1	1	Hils 1984a		
<i>Sigara compressoides</i>	A	-11	7	"		
<i>S. signata</i>	A	1	1	"		
<i>Notonecta lunata</i>	A	1	1	"		
<i>Cyclopidae</i>	A	111	3	Will 1991		
<i>Archynobdellida</i>	A	1	1	Thorp 60 1991		
<i>Bythotrephes</i>	A	-11	7	"		
<i>Prometopus</i>	A	1	1	"		
<i>Pisidium</i>	A	2-1111	14	Burch 1972		
<i>Sphaeridium</i>	A	11	2	"		
<i>Tanytarsus</i> 08270000	L	2-111	4	Cranshaw 2013	dam	N
<i>Conchapelopia</i> 08270700	L	1	1	Cranshaw 2013		
<i>Larsia</i>	L	-11	7	"		
<i>Natansia baltimorea</i>	L	1	1	Epler 2001		
<i>Zavelinella</i>	L	1	1	Silv Ekr 2015		
<i>Procladius (Helotanyptus)</i>	L	1	1	Cranshaw 2013		
<i>P. (Psilotanyptus) bellus</i>	L	1	1	Epler 2001		
<i>Chironominae</i> 08330000	L	11	2	Cranshaw 2013	dam/imm	n=1, Y
<i>Chironomus</i>	L	11	2	Epl et al 2013		
<i>Dirotendipes</i>	L	1111	4	"		
<i>Micronsectra</i>	L	111	3	"		
<i>Microtendipes pedellus</i> group	L	1111	4	"		

Taxonomist: Dimick, Jeffrey

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