

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name WEST FORK MONTREAL RIVER		Waterbody ID Code 2941600	Sample ID (YYYYMMDD-CY-FD) 20170929-26-02
Sampling Location 40 US West Branch Road			Database Key 148375098
SWIMS Station ID 10029743		SWIMS Station Name WEST FORK MONTREAL RIVER-WEST BRANCH ROAD	
Latitude 46.35880	Longitude -90.24535	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name MONTREAL RIVER	County IRON

Sample and Site Descriptors

Sample Collector (Last Name, First) JON KLEIST	Project Name MONTREAL RIVER WATERSHED 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	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: <u>TWA Project</u>

Water Temp. (C) 13.9	D.O. (mg/l) 10.7	D.O. (% sat.) 103.3	pH (su) 6.6	Conductivity (umhos/cm) 46	Transparency (cm) 119
--------------------------------	----------------------------	-------------------------------	-----------------------	--------------------------------------	---------------------------------

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 0.3 circle units m/s or f/s	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 12
---	---	--

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 50
-----------------------	--	---	--

Sand: 20	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 (%) 0
--	--

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kyle Wilcox</i>	Taxonomist <i>Dimitry Jeffreys</i>	Estimated Percent of Sample Sorted <i>20</i>
Date Processed <i>6/12/2018</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2021</i>	

AT=63
119
5353
23=56

Wisconsin Department of Natural Resources

ABL SampleNum: 20170929-26-02

Taxonomist: Dimick, Jeffrey

Waterbody: West Fork Montreal River

SWIMS Database Key: 148375098

Page 1 of 1

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracaphnia angulata</i>	L	x	10	Hitch 1974		
<i>Acronemura</i>	L	-H1	11	Hils 1995	imm	N
<i>A. lyceas</i>	L	11	2	Hitch 1974		
<i>Isoperla signata</i>	L	1	1	Hils 1982		
<i>Ectis flavistriga</i> species complex	L	1	1	Klub 2016		
<i>Eurylophella</i>	L	1	1	"	imm	
<i>Leucocrota</i>	L	-H1	8	"		
<i>Maccaffertium</i>	L	11	2	"	imm	N
<i>M. vicarium</i>	L	111	3	"		
<i>Qualeptophlebia</i>	L	111	4	"	dam/imm	N
<i>P. mellis</i>	L	-1	6	"		
<i>Psychomyia flavida</i>	L	1	1	Hils 1995		
<i>Nigronia serricornis</i>	L	1	1	Neur 1966		
<i>Stenelmis</i>	L	11	2	Hils Schm 1992		N
<i>S. crenata</i>	A	11	2	"		
<i>Antocha</i>	L	1	1	Hils 1995		
<i>Hesperoconopa dolichophallus</i>	L	1	1	"		
Mermithidae	A	1	1	Thorplov 2016	imm	
Tubificinae (w/o hairs)	A	111	3	Brin Geld 1991		
Pisidium	A	1	1	Burch 1972		
Split A3 Chironomidae	L	111-250				
<i>Neostemella reissi</i>	L	1111	4	Epler 2001		
<i>Conchapelopia</i> 08270700	L	1	1	Cran Epl 2013		
<i>Orthocladius</i> 08300000	L	11	2	Cransten 2013	mt, indet/ dam	N
<i>Parametriocnemus</i>	L	1	1	Ander +3 2013		
<i>Nannocladius</i> (Pleurocladius)	L	1	1	"	imm	N
<i>N. (P.)</i> species #5 Jacobsen	L	11	2	Epler 2001		
<i>Orthocladius</i> (Orthocladius)	L	1111	4	Ander +3 2013		
<i>O. (Symplocoladius) amictus</i>	L	1	1	Bolton 2012		
<i>Cricotopus</i> / <i>Orthocladius</i>	L	111	3	Ferr et al 2008	imm	N
<i>Cricotopus</i>	L	11	2	Ander +3 2013		Y
<i>C. (Cricotopus) bicinctus</i> group	L	1	1	"		
<i>Microtendipes pedellus</i> group	L	88x	90	Epl et al 2013		
<i>Polydora</i> (Vespaedilum) <i>aviceps</i>	L	11	2	Bolton 2012		
<i>P. (V.) flavum</i>	L	1	1	"		
<i>Tanytarsus</i>	L	11	2	Epl et al 2013		