

Instructions: **Bold** fields must be completed.

Station Summary					
Waterbody Name BOOMER CREEK			Waterbody ID Code 2941200		Sample ID (YYYYMMDD-CY-FD) 20191009-26-11
Sampling Location 40 m DS of Trail Crossing.				Database Key 209649636	
SWIMS Station ID 10047693		SWIMS Station Name BOOMER CREEK OFF OF SNOWMOBILE TRAIL			
Latitude 46.45632	Longitude -90.34338	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) JOSEPH CUNNINGHAM			Project Name MONTREAL RIVER TWA 2017-2018-2019		
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 (m ²) 1		Number of Samples in Composite 3		Replicate No. _____ of _____
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: <u>TWA</u>					
Water Temp. (C) 11.6	D.O. (mg/l) 9.5	D.O. (% sat.) 87.7	pH (su) 7.5	Conductivity (umhos/cm) 96.1	Transparency (cm) 120
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 0.9		circle units m/s or f/s	Average Stream Depth of reach (m) 0.3		Average Stream Width of reach (m) 0.3
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>40</u>	Gravel (ladybug to tennisball): <u>60</u>	
Sand: _____		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) <u>0</u>			Canopy Cover at Sample Site (%) <u>100</u>		

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Page 2 of 2

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
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	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	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	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	N	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Coash, Natalie	Taxonomist Dimick, Jefferey	Estimated Percent of Sample Sorted 7%
Date Processed 10/3/20	Specimens Saved Subsample archived in ABL m47 JUL 2023	

C1 = 128

Wisconsin Department of Natural Resources

ABL SampleNum: 20191009-26-11

Taxonomist: Dimick, Jeffrey

Waterbody: Boomer Creek
SWIMS Database Key: 209649636

Page 1 of 1

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis tricaudatus</i>	L	11	2	KWh 2016		
<i>Ephemerella subvarra</i>	L	111	3	"		
<i>Epeorus vitreus</i>	L	-1111	9	"		
<i>Leucocrota</i>	L	8	35	"		
<i>Paraleptophlebia</i>	L	111 111	10	"	imm	N
<i>P. mollis</i>	L	x-1111	19	"		
<i>Paracania angulata</i>	L	-111	8	Hitch 1974		
<i>Leuctra</i>	L	1	1	Hils 1995	dam	
<i>Acrocnemia</i>	L	1	1	"	imm	N
W1 <i>A. lycorias</i>	L	11	3	Hitch 1974		
<i>Paragnetina media</i>	L	1	1	Hils 1995		
<i>Isoperla transmarina</i>	L	1	1	Hils 1982		
<i>Glossosoma</i>	L	-1	6	Hils 1995	imm	
<i>Ceratopsyche glossosoma</i>	L	11	3	Schm Hils 1986		
<i>Lepidostoma</i>	L	1	1	Hils 1995		
<i>Dolophilaria distinctus</i>	L	11	3	"		
<i>Neophylax</i>	L	11	2	"	imm	
<i>Optocerus</i>	L	-	5	Hils Schm 1992	imm	N
<i>O. fastidius</i> L 1 A. 2	LA	111	3	"		
<i>Oecetis</i>	L	1	1	Hils 1995	imm	
<i>Atherix variegata</i>	L	-	5	"		
<i>Tipula</i>	L	1	1	"		
<i>Sperchon</i>	A	1	1	Pluchino 1984		
<i>Lumbriculus</i>	A	-111	8	Thorp 2016		
Split A2 Chironomidae	L	1111 111				
<i>Diamasa</i>	L	1	1	Suth And 2013		
<i>Parametriocheilus</i>	L	111 11	2	Andt 3 2013		
<i>Rhyacotanytarsus</i>	L	111	3	Epl et al 2013		
<i>Tanypterus</i> 08270000	L	1	1	Cranston 2013	dam	Y
<i>Conchapelopia</i> 08270700	L	1	1	Cran Epl 2013		
<i>Nannochloris (Plecoptera) species #5</i> Jaohsen	L	1	1	Epl 2001		
<i>Microsectra</i>	L	11	2	Epl et al 2013		
<i>Microtendipes cydalensis</i> group	L	1	1	"		
<i>Paratanytarsus longistylus</i>	L	1	1	"		
<i>Polypedilum (Ursipedium) aviceps</i>	L	-1	6	Bolton 2012		
<i>Tanytarsus</i>	L	1	1	Epl et al 2013		