

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name FOURCHE CREEK		Waterbody ID Code 2941300	Sample ID (YYYYMMDD-CY-FD) 20191009-26-09
Sampling Location 60 m DS Kimball Rd			Database Key 209649648
SWIMS Station ID 10031004	SWIMS Station Name FOURCHE CREEK - KIMBALL DR.		
Latitude 46.47934	Longitude -90.31538	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
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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	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 2	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 13.1	D.O. (mg/l) 9.4	D.O. (% sat.) 89.5	pH (su) 7.7	Conductivity (umhos/cm) 139	Transparency (cm) 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)
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Measured Velocity 0.4	circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 2.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>60</u>	Gravel (ladybug to tennisball): <u>40</u>
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) <u>10</u>	Canopy Cover at Sample Site (%) <u>80</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	PL	PL	Chlorine	N	N
- Filamentous Algae	PL	PL	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	PL	PL
Bank Erosion	PL	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	U	Septic Systems	N	N
- Downstream	N	U	Tile Drainage - Organic Soils	N	N
Low Flow	PL	PL	- 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 Kiersten Czarniecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 88%
Date Processed 02/28/2020	Specimens Saved Subsample archived in HBL until Jul 2023	

A3-228

Wisconsin Department of Natural Resources

ABL SampleNum: 20191009-26-09

Taxonomist: Dimick, Jeffrey

Waterbody: Fourche Creek
SWIMS Database Key: 209649648

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L		4	Klub 2016		
<i>B. tricaudatus</i>	L		3	"		
Ephemerelellidae	L		3	"	imm	N
<i>Ephemerelella subvaria</i>	L		4	"		
<i>Eurylophella</i>	L	x	15	"	imm	
<i>Epeorus vitreus</i>	L	-	10	"		
<i>Leucocrota</i>	L		2	"		
Leptophlebiidae	L		3	"	dam/imm	N
Paraleptophlebia	L	x-	18	"	dam/imm	N
<i>P. mollis</i>	L	x	35	"		
<i>Allocapnia</i>	L	1	1	Hils 1995		
<i>Paracapnia angulata</i>	L	-	8	Hitch 1974		
<i>Isoneria</i>	L	1	1	Hils 1995	imm	
<i>Taeniopteryx</i>	L	1	1	"	imm	
<i>Maccaffertium vicarium</i>	L	1	1	Klub 2016		
<i>Ceratopsyche albedra</i>	L		2	Schm/Hils 1996		
<i>C. slossonae</i>	L		2	"		
<i>Diplectrona modesta</i>	L		3	Hils 1995		
<i>Lepidostoma</i>	L	-1	6	"		
<i>Optioservus</i>	L	x-	17	Hils Schm 1992	imm	N
<i>O. fastidius</i> L, 8 A, 2	LA	-	10	"		
<i>Atherix variegata</i>	L	x	15	Hils 1995		
<i>Bezzia/alpomyia</i>	L		2	"		
<i>Numerochroma</i>	L	1	1	MerrComm B 2019		
<i>Prosimulium</i>	L	1	1	Abt et al 2004		
<i>Simulium tuberosum</i> species complex	L	1	1	"		
<i>Antocha</i>	L	1	1	Hils 1995		
<i>Diamasa</i>	P	x-1	16	MerrComm B 2019		
<i>Parametriocnemus</i>	P	1	1	"		
<i>Limnasia</i>	A		2	Pluchino 1984		
<i>Gnerrhen</i>	A		2	"		
<i>Tricladida</i>	A	-1	6	Thorp Bog 2016		N
Dugesidae	A		3	"		
<i>Physo</i>	A	-	9	"		
<i>Pisidium</i>	A	1	1	Mackie 2007		
<i>Naidinae</i>	A	1	1	Bainfield 1991		
<i>Lumbriculus</i>	A	x1	11	Thorp Bog 2016		

Taxonomist: Dimick, Jeffrey

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