

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name <u>Kaminski Creek</u>	Waterbody ID Code <u>2947700</u>	Sample ID (YYYYMMDD-CY-FD) <u>20181002-26-01</u>
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Sampling Location

40 m DS Center Drive

SWIMS Station ID <u>10051591</u>	SWIMS Station Name <u>Kaminski Creek 160 m DS Center Dr.</u>	Database Key <u>168768993</u>
Latitude <u>46.47267</u>	Longitude <u>-90.20256</u>	Lat/Long Determination method (circle) SWIMS SWDV <u>GPS</u>
Basin (WMU) <u>Lake Superior</u>		Datum Used if using GPS NAD 27 or <u>NAD83</u>
Watershed Name <u>Montreal River</u>		County <u>Iron</u>

Sample and Site Descriptors

Sample Collector (Last Name, First) <u>Kleist, Jon</u>	Project Name <u>Montreal R. TWA</u>
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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

Total Sampling Time (min) <u>1</u>	Estimated Area Sampled (m ²) <u>1</u>	Number of Samples in Composite <u>3</u>	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>Montreal R. Watershed TWA</u>

Water Temp. (C) <u>9.4</u>	D.O. (mg/l) <u>11.2</u>	D.O. (% sat.) <u>98.0</u>	pH (su) <u>6.9</u>	Conductivity (umhos/cm) <u>271</u>	Transparency (cm) <u>>120</u>
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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 mps or cfs	Average Stream Depth of reach (m) <u>0.4</u>	Average Stream Width of reach (m) <u>4</u>
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) <u>10</u>	Canopy Cover at Sample Site (%) <u>100</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	N	N	Chlorine	PL	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N,...)	N	N
Other -Specify:	N	N	Toxics: - Inorganic (Metals)	N	N
Iron Bacteria	N	N	- Organic (PCBs, pesticides ...)	N	N
Macrophytes	N	N	Other - Specify:		
Slimes	N	N	Sources of Stream Impacts		
Other - Specify:			Bank Erosion	N	N
Physical			Point Source - Specify:	N	N
Bank Erosion	N	U	Pasturing of Livestock	N	N
Channelization - Upstream	N	PL	Runoff: - Barnyard	N	N
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	U	- Cropland	N	N
Impoundment: - Upstream	N	PL	US H-2 - Urban	PL	
- Downstream	N	N	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	N	N
Sedimentation	N	U	- Minerals soils	N	N
Sludge	N	N	Springs	N	U
Thermal	N	U	Tributary(s)	N	U
Turbidity	N	N	Wetland	N	PL
Other - Specify:			Other - Specify:		

Comments *Impoundment upstream.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kiersten Czarnecki</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13</i>
Date Processed <i>3/29/2019</i>	Specimens Saved <i>subsample archived in DBL until Jun 2022</i>	

A2: 678 spec
D3: 755 spec
E1:

WSD

Wisconsin Department of Natural Resources

ABL SampleNum: 20181002-26-01

Taxonomist: Dimick, Jeffrey

Waterbody: Kaminski Creek
SWIMS Database Key: 168768993

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappnia angulata</i>	L	on	26	Hatch 1974		
<i>Baetis brunneicollis</i>	L	III	3	KLH 2016		
<i>B. tricaudatus</i>	L	I	1	"		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Acerpenna macdunnoughi</i>	L	I	1	"		
<i>Ephemerella subvaria</i>	L	I	1	"		
<i>Maccaffertium vicarium</i>	L	III	4	"		
<i>Leptophlebia</i>	L	I	1	"	imm	
<i>Paraleptophlebia</i>	L	-	5	"	imm	
<i>Glossosoma nigrum</i>	L	I	1	WymMar 2000		
<i>Hydropsychidae</i>	L	I	1	Hils 1995	imm	N
<i>Cheumatopsyche</i>	L	xII	12	"		
<i>Hydropsyche betteri</i>	L	-I	6	Schmidt's 1986		
<i>Diplozona modesta</i>	L	xIII	13	Hils 1995		
<i>Ceratopsyche glossane</i>	L	III	3	Schm Hils 1986		
<i>Chimarra</i>	L	-II	7	Hils 1995	imm	N
<i>Ch. alternans</i>	L	-III	8	Hils 1982		
<i>Polycentropus</i>	L	I	1	Hils 1995		
<i>Znuaephila</i>	L	I	1	"	imm	N
<i>Zh. vibex</i>	L	III	3	PrMar 2001		
<i>Negonia serricornis</i>	L	xI	11	Newzig 1966		
<i>Opius</i>	L	III	3	Hils Schm 1992	imm	
<i>Bezzia/Parapomyia</i>	L	II	2	Hils 1995		
<i>Anatoma</i>	L	I	1	"		
<i>Dicranota</i>	L	I	1	"		
<i>Tipula</i>	L	I	1	"		
<i>Caecidotea racovitzae racovitzae</i>	A	III	3	Will 1972		
<i>Tricladida</i>	A	I	1	Thorp Reg 2016		
<i>Naididae</i>	A	I	1	Brinkley 1991		
<i>Lumbriculus</i>	A	xI	11	Thorp Reg 2016		
Split A3 Chironomidae	L	+JVD				
<i>Metopelopia</i>	L	III	3	Cran Epl 2013		
<i>Rhyacophila acra</i> group	L	III	3	Epler 2001		
<i>Zanvelimys</i> 06273000	L	I	1	Cran Epl 2013		
<i>Eukiefferiella brehmi</i> group	L	I	1	And + 3 2013		
<i>Parametrioctenemus</i>	L	III	4	"		

Taxonomist: Dimick, Jeffrey

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