State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Kaari Creek		20181002-26-02

Sampling Location: 60 m DS McKi Rd.

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10051583	Kaari Cuk. 175m DS McKi Dr.	1687689 89

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
46.49423	-90.22010	SWIMS (SWDV) GPS	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
Lake Superior	Montreal River	Iron

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Kleist, Jon	Montreal TWA.

Sampling Device

- [x] Kick Net
- [ ] Ponar
- [ ] Surber Sampler
- [ ] Artificial Substrate
- [ ] Eckman
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [x] Riffle
- [ ] Other
- [ ] Littoral Zone
- [ ] Run
- [ ] Shoreline Composite
- [ ] Profundal Zone
- [ ] Pool
- [ ] Proportionally-Sampled Habitat
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m²)**	**Number of Samples in Composite**	**Replicate No.** 1 **of** 1
1	1	3	

Reason for Sampling

- [ ] Least Impacted Reference
- [ ] Control Site
- [ ] Baseline
- [ ] Trend
- [ ] Impact / Treatment Site
- [x] Other: TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
8.8	11.6	100.0	7.2	252	>120

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [x] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (>0.5 m/s)

Measured Velocity (circle units: mps **or** cfs)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.4	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball or basketball): 40 Gravel (ladybug to tennisball.): 30

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Course Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 50

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
Biological		
Algae: - Diatoms / Periphyton	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Other -Specify:	N	N
Iron Bacteria	N	PL
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization - Upstream	PL	PL
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	PL	PL
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be Influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N....)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides ...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PL	PL
Point Source - Specify:	N	N
Pasturing of Livestock	PL	PL
Runoff: - Barnyard	N	N
- Construction	PL	PL
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Minerals soils	N	N
Springs	PL	PL
Tributary(s)	N	U
Wetland	PL	PL
Other - Specify:		

Comments

Special Instructions for Laboratory

POS+ IC = 174 Total = 174

For Lab Use Only		
Sample Sorter: Murphy Stehlik	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 3/26/2019	Specimens Saved: Subsample archived in ABL until Jun 2022	

Wisconsin Department of Natural Resources
ABL SampleNum: **20181002-26-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Kaari Creek**
SWIMS Database Key: **168768989**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Alloranta	L	I	1	Wils 1995		
Paracapnia angulata	L	X-IIII	19	Nilsen 1974		
Baetis brunneicolor	L	-IIII	7	Klub 2016		
B. tricaudatus	L	IIII	2	"		
B. flavistriga species complex	L	III	3	"		
Acerpenna macdunnoughi	L	III	3	"		
Ephemerella subvaria	L	III	3	"		
Leucrocuta	L	II	2	"		
Maccaffertium vicarium	L	III	3	"		
Paraleptophlebia	L	8XX	55	"	dam/imm	N
P. mollis	L	-I	6	"		
Cordulegaster	L	I	1	Need et al 2000	imm	
Hydropsychidae	L	II	2	Wils 1995	imm	N
Cheumatopsyche	L	I	1	"		
Hydropsyche betteni	L	IIII	4	Schm Wils 1986		
Ceratopsyche slossonae	L	I	1	"		
Chimarra aterrima	L	I	1	Wils 1982		
Dolophilodes distinctus	L	II	2	Wils 1995		
Polycentropus	L	I	1	"		
Nigronia serricornis	L	I	1	Neunzig 1966		
Optioservus	L	OII	22	Wils Schm 1992	imm	N
O. fastiditus	L	IIII	4	"		
Atherix variegata	L	III	3	Wils 1995		
Periconia	L	I	1	"		
Antocha	L	III	3	"		
Pseudolimnophila	L	III	3	"		
Tipula	L	I	1	"		
Cricotopus (Cricotopus)	P	I	1	Ferrat al 2008		N
Coecidotea	A	I	1	Will 1972	imm	
Naidinae	A	IIII	4	Brinkhurst 1971		
Lumbriculus	A	X	10	Thorp Rog 2016		
~~Split A3 Chironomidae~~	~~L~~	~~+~~				
Orthocladiinae 08300000	L	I	1	Cranston 2013	imm	N
Corynoneura	L	II	2	Ard + 3 2013		
Diplocladius	L	I	1	"		
Eukiefferiella ~~claripennis~~ gracei brehmi	L	I	1	"		

Wisconsin Department of Natural Resources
ABL SampleNum: **20181002-26-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Kaari Creek**
SWIMS Database Key: **168768989**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Parametriocnemus	L	II	2	And+3 2013		
Tvetenia bavarica group	L	II	2	Bode 1983		
Nanocladius (Plecopteracoluthus)	L	I	1	And+3 2013	imm	N
N. (P.) species #5 Jacobsen	L	/	5	Epler 2001		
Cricotopus (Cricotopus) bicinctus group	L	I	1	And+3 2013		
Chironomini OB330000	L	I	1	Cranston 2013	imm	Y
Micropsectra	L	I	1	Eplet al 2013		
Paratanytarsus longistilus	L	I	1	"		
Rheotanytarsus	L	III	3	"		