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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)**
Unnamed Trib. W.F. Montreal		20181002-26-04

Sampling Location: 30 m Ds. Park Rd

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10051588		172591469

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
46.47405	-90.25675	SWIMS SWDV (GPS)	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
		Iron

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Don Kleist.	Montreal R. 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 (m^2)**	**Number of Samples in Composite**	**Replicate No.**
2	1.5	4	1 of 1

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)**
9.2	10.6	92.1	7.2	106	>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)**
	0.3	1

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball or basketball): 50 Gravel (ladybug to tennisball.): 30

Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 70 **Canopy Cover at Sample Site (%)** 80

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	PH	PH
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Other -Specify:		
Iron Bacteria	PL	U
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	PH	PH
Sedimentation	PH	PH
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	U	U
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	N	N
Runoff: - Barnyard	N	N
- Construction	PL	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Minerals soils	N	N
Springs	N	U
Tributary(s)	N	U
Wetland	N	PL
Other - Specify:		

Comments

Special Instructions for Laboratory

3A = 78

1D = 98

~~30~~

Total = 176

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Murphy Steinhiser	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
3/28/2019	Subsample archived in ABL until Jan 2022	

Wisconsin Department of Natural Resources ·body: **Unnamed Tributary to West Fork Montreal River**
ABL SampleNum: **20181002-26-04** SWIMS Database Key: **172591469**
Taxonomist: Dimick, Jeffrey

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	xi	11	Hilsenhoff 1974		
Leuctra	L	x/1	16	Wils 1995	imm	
Perlodidae	L	I	1	"	imm	
Baetis bounneicolor	L	I	1	Kluh 2016		
Acerpenna	L	I	1	"	dam	N
A. macdonnoughi	L	-	5	"		
Baetis tricaudatus	L	I	1	"		
Ephemerellidae	L	II	2	"	imm	N
Ephemerella schoenemundi	L	I	1	"		
Eurylophella	L	-1	6	"	imm	N
E. funeralis	L	xII	12	"		
Paraleptophlebia	L	-iii	9	"		
Cordulegaster	L	I	1	Need et al 2006	imm	
Micrasema sp.	L	I	1	Wils 1995		
Cheumatopsyche	L	x-iii	19	Wils 1995		
Hydropsyche betteni	L	I	1	Schuam Wils 1986		
Diplectrona modesta	L	-	5	Wils 1995		
Ceratopsyche slossonae	L	I	1	Schuam Wils 1986		
Lepidostoma	L	I	1	Wils 1995		
Dolophilodes distinctus	L	I	1	"		
Rhyacophila	L	II	2	"	imm	N
R. vibox	L	II	2	Pro Mor 2000		
Sialis	L	II	2	Wils 1995		
Optioservus	L	-	5	Wils Schuam 1992	imm	N
O. fastiditus	L	II	2	"		
Atherix variegata	L	I	1	Wils 1995		
Bezzia / Palpomyia	L	I	1	"		
Antocha	L	I	1	"		
Dicranota	L	III	3	"		
Tipula	L	III	3	"		
Diamesa	P	II	2	Ferr et al 2008		
Dugesiidae	A	I	1	Thorp Rog 2016		
Metagynophora = Megadrili	A	I	1	"		
Lumbriculus	A	xI	12	"		
~~Split A3 Chironomidae~~	L	JWJ				
Orthocladiinae 08300000	L	I	1	Cranston 2013	mt indet	Y

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Zavrelimyia 08273000	L	III	3	Cranston 2013		
Parakiefferiella	L	IIII	4	And+3 2013		
Parametriocnemus	L	IIII	4	"		
Orthocladius (Orthocladius)	L	I	1	"		
Chironomini 08330000	L	-1	6	Cranston 2013	not indet	N
Micropsectra	L	x-1	16	Epler et al 2013		
Microtendipes	L	I	1	"	not indet	N
M. pedellus group	L	II	2	"		
M. rydalensis group	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	x1	11	Bolton 2012		
Rheotanytarsus	L	x IIII	19	Epler et al 2013		
Tanytarsus	L	II	2	"		