WAC-01

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
WALLACE CREEK	27600	20201014-68-02

Sampling Location: ~20 m us Orchard Valley Road

Database Key: 251835613

SWIMS Station ID	**SWIMS Station Name**
10017196	WALLACE CREEK-50-65 FEET UPSTREAM ORCHARD VALLEY RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.4959	-88.0909	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	NORTH BRANCH MILWAUKEE RIVER	WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA

Sampling Device

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

Habitat Sampled

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

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
1	1		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Milw. River Supply

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
10.47	11.1	100.1		1259	+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 m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	.3	5

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 30

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
RRV	Dimick, Jeffrey	3.3 %
Date Processed	Specimens Saved	
2/5/21	Subsample 191 archived in ABL until Feb 2024	

B1 Q2 E3 Q3 [illegible] [illegible]

100 91

SPECS = 191

2/60 x100 = 3.3

Wisconsin Department of Natural Resources
ABL SampleNum: **20201014-68-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Wallace Creek**
SWIMS Database Key: **251835613**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	IIII	2	MerrummB 2019	imm	N
Baetis brunneicolor	L	III	3	Klub 2016		
B. flavistriga species complex	L	II	2	"		
Iswaeon anoka	L	I	1	"		
1/1 Leuctridae	L	I	1	MerrummB 2019		
2/4 Maccaffertium vicarium	L	III	3	Klub 2016		
Leptophlebiidae	L	III	3	MerrummB 2019	dam	
Allocapnia	L	I	1	"		
3/12 Taeniopteryx	L	VIII	8	"	imm	
Ceratopsyche slossonae	L	I	1	SchmHils 1986		
Cheumatopsyche	L	VIII	8	MerrummB 2019		
Limnephilidae	L	III	3	"	imm	
Hydropsychidae	L	I	1	"	imm	N
Optioservus	L	8-III	48	"	imm	N
O. fastiditus L, 25 A, 4	L,A	0-IIII	29	HilsSchm 1992		
Stenelmis	L	XIII	14	MerrummB 2019		N
S. crenata	A	IIII	4	HilsSchm 1992		
Ectopria	L	I	1	MerrummB 2019	imm	
Tvetenia	P	II	2	MerrummB 2019		N
Hemerodromia	L	I	1	"		
Simulium (Evenost SE)	P	II	2	Adl et al 2004		Y
S. vittatum species complex 08110217	L	II	2	"		
Diamesa	L	III	3	MerrummB 2019		
Gammarus pseudolimnaeus	A	0-IIII	29	Nols 1972		
Hygrobates	A	IIII	4	Peck et al 1990		
Tobifloinae (without hairs)	A	III	3	KathBrin 1998		
~~Split A2 Chironomidae~~	L	0-III				
Corynoneura	L	I	1	And et al 2013		
Tvetenia bavarica group	L	II	2	Beck 1983		
T. discoloripes group	L	I	1	"		
Cryptochironomus	L	I	1	And et al 2013		
Microtendipes pedellus group	L	IIII	5	"		
Orthocladiinae 08300000	L	I	1	"	imm	N
orthocladius (orthocladius)	L	IIII	4	"		
Thienemanniella xena	L	II	2	Bolton 2012		
Chironominae 08330000	L	IIII	4	And et al 2013	imm	N
Cladotanytarsus	L	II	2	"		

3 taxa, TVAL ≤ 20
12 < 10.1 × 180)

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Microspectra	L	1	1	And et al 2013		
Paratendipes	L	1	1	"		
Polypedilum (Uresipedilum) aviceps	L	1	1	Bolton 2012		
P-(U.) Flavum	L	11	2	"		
Rheotanytarsus	L	1	1	And et al 2013		