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)**
UNNAMED	5026964	20201021-20-02

Sampling Location	**Database Key**
	251842570

SWIMS Station ID	**SWIMS Station Name**
10040834	UNNAMED TRIB (5026964) TO SILVER CREEK US ARCADE RD

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

Basin (WMU)	**Watershed Name**	**County**
UPPER FOX	BIG GREEN LAKE	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	319 PROJECT-SILVER AND DAKIN CREEK TWA 2020

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** ____
2	1.5	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
7.2	10.9	92.5	8.1	789.3	120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)**
	0.2	1.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 90

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

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

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 0

Tom Penfield 920 960 5385
owns upstream of Margaret West of Brooklyn G.

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Dunn, Isabel	Dimick, Jeffrey	15.8%
Date Processed	**Specimens Saved**	
04/24/2024	Subsample archived in ABL until May 2024	

6:50-10:20

E1
Q1-27
Q2
Q3-16
Q4-22

A3
Q1
Q2 = 29
Q3
Q4-11

C3
Q1-14
Q4(12)-8

127

Wisconsin Department of Natural Resources aterbody: **Unnamed Tributary (5026964) to Silver Creek**
ABL SampleNum: **20201021-20-02** SWIMS Database Key: **251842570**
Taxonomist: Dimick, Jeffrey

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	-	5	Klub 2016		
Caloptenyx maculata	L	I	1	WrightMay 2006		
Cheumatopsyche	L	-I	6	MCB 2019		
Hydropsyche betteni	L	I	1	Schmude 1986		
Hydroptila	L	II	2	MCB 2019		
Limnephilidae	L	I	1	"	imm	
Optioservus	L	-III	8	"	mm	N
O. fastiditus	L	II	2	Hils Schm 1992		
Hemerodromia	L	III	4	MCB 2019		
Tvetenia	P	I	1	"		
Antocha	L	I	1	"		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	0-1	26	Hols 1972		
Coecidotea intermedia	A	01	21	Will 1972		
Sperchontidae	A	I	1	Peck et al 1990		
Cyclopidae	A	I	1	ThorpRog 2016		
Mermithidae	A	I	1	"		
Naidinae	A	-III	10	KathBorn 1998		
Tubificinae (with hairs)	A	IIII	4	"		Y
Tubificinae (without hairs)	A	-	5	"		Y
~~Split Az Chironomidae~~	L	~~5 III~~ JJD				
Cryptochironomus	L	II	2	And et al 2013		
Microtendipes pedellus group	L	XI	11	"		
Conchapelopia	L	I	1	"		
Orthocladiinae	L	I	1	"	mm	N
Cricotopus	L	I	1	"		Y
C. (Cricotopus) bicinctus group	L	II	2	"		
Orthocladius (Orthocladius)	L	-	5	"		
Thienemanniella	L	I	1	"	imm	
Chironominae	L	IIII	4	"	imm not intact	N
Micropsectra	L	II	2	"		
Paratendipes	L	II	2	"		
Polypedilum	L	I	1	"	mm	Y
P. (Tripodura) scalaenum group	L	III	4	Bolton 2012		
P. (Uresipedilum) flavum	L	II	2	"		
Rheotanytarsus	L	III	4	And et al 2013		
Stictochironomus	L	III	3	"		