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)**
unt to Kelly brook		20191017-43-09

Sampling Location	**Database Key**
CTH B	210284841

SWIMS Station ID	**SWIMS Station Name**
10052993	UNT TO KELLY BROOK - CTH B

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

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	LITTLE RIVER	OCONTO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	LITTLE RIVER TWA ASSESSMENT 2018, 2019

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** ____
5	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)**
7.9	10.2	85.8	7.6	242	7120

Water Color

- [ ] Clear
- [ ] Turbid
- [X] 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)**
	0.2	3

Composition of Substrate Sampled (Percent):

Bedrock:	Boulders (basketball or larger):	Rubble (tennisball to basketball):	Gravel (ladybug to tennisball): 20
Sand: 40	Clay:	Silt/Muck:	Overhanging Vegetation:
Aquatic Macrophytes:	Leaf Snags: 40	Coarse Woody Debris:	Other (____):

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 100

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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

2D = 57

1E = 71

Total = 128

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Murphy Stehlik	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
1/19/2020	Subsample archived in SBC until Apr 2023	

Wisconsin Department of Natural Resources
ABL SampleNum: **20191017-43-09**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Kelly Brook**
SWIMS Database Key: **210284841**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Klub 2016		
Allocapnia	L	II	2	Hils 1995		
Cheumatopsyche	L	-II	7	"		
Ostroservus	L	I	1	Hilsenhoff 1982	imm	N
O. fastiditus	L	I	1	"		
Chrysops	L	-IIII	9	Hils 1995		
Tipula	L	III	3	"		
Gammarus pseudolimnaeus	A	OII	22	Hols 1977		
Naidinae	A	I	1	Brinkhurst 1991		
Tub. ficinae (without hairs)	A	I	1	Klemm 1985		
~~Split A3 Chironomidae~~	L	~~IIIJJJ~~				
Parametriocnemus	P	I	1	Ferr et al 2008		
Thienemanniella	P	I	1	"		N
Meropelopia	L	I	1	CranEpl 2013		
Orthocladiinae 08300000	L	I	1	Cranston 2013	mm	N
Brillia	L	I	1	Andt 3 2013	mt indet	N
B. flavifrons	L	III	3	Epler 2001		
Corynoneura	L	IIII	4	And +3 2013		
Rheocricotopus	L	I	1	"		
Thienemanniella	L	I	1	"	dam	N
Th. xena	L	I	1	Bolton 2012		
Chironominae 08330000	L	II	2	Cranston 2013	mt indet	N
Cladotanytarsus	L	~~8~~ II	32	Epl et al 2013		
Paratanytarsus species A	L	I	1	Hils unpubl		
Paratendipes	L	I	1	Epl et al 2013		
Paratanytarsus longistilus	L	X	10	"		
Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		
P. (Uresipedilum) aviceps	L	-III	8	"		
Rheotanytarsus	L	IIII	4	Epl et al 2013		
Stenochironomus	L	I	1	"		
Tanytarsus	L	IIII	4	"		