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)**
HAY CREEK	2157700	20191120-09-06

Sampling Location	**Database Key**
DS culvert ~20m	215849282

SWIMS Station ID	**SWIMS Station Name**
10008711	2 - HAY CREEK - 198TH AVE

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

Basin (WMU)	**Watershed Name**	**County**
LOWER CHIPPEWA	LOWER YELLOW (CHIPPEWA CO.) RIVER	CHIPPEWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Porlegler, Myea; Kristen Rathburn	LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [x] 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**	
1.5	2	1	**Replicate No.** 1 **of** 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)**
1.11					

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)**
	.3	7m

Composition of Substrate Sampled (Percent):

Bedrock: ____ Boulders (basketball or larger): ____ Rubble (tennisball to basketball): ____ Gravel (ladybug to tennisball): 10

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

Aquatic Macrophytes: 20 Leaf Snags: 30 Coarse Woody Debris: 30 Other (____): ____

Embeddedness of Substrate at Sample Site (%) 90 **Canopy Cover at Sample Site (%)** 0

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton	N	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	PL	U
Physical			Point Source - Specify:		
Bank Erosion	PL	U	Pasturing of Livestock	N	U
Channelization: - Upstream	N	U	Runoff: - Barnyard	N	U
- Downstream	N	U	- Construction	N	U
Hydraulic Scour / Channel Incision	N	U	- Cropland	PL	U
Impoundment: - Upstream	N	U	- Urban	U	U
- Downstream	N	U	Septic Systems	U	U
Low Flow	U	U	Tile Drainage - Organic Soils	U	U
Sedimentation	PH	U	- Mineral Soils	U	U
Sludge	N	U	Springs	U	U
Thermal	U	U	Tributary(s)	U	U
Turbidity	N	U	Wetland	PL	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
2/6/2020	36 + 31 + 57 + 59 = 183	
	B1 B3 E1 E3 Total	

subsample archived in DBL cabs/ Apr 2023

Wisconsin Department of Natural Resources
ABL SampleNum: **20191120-09-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **Hay Creek**
SWIMS Database Key: **215849282**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	HH	5	Klub 2016		
Caenis latipennis	L	II	2	"		
Eurylophella	L	I	1	"	imm	
1/2 Maccaffertium vicarium	L	II	2	"		
Stenacron	L	III	3	"	imm	
Leptophlebia	L	80x	90	"	imm	
Allocapnia	L	III	3	Wils 1995		
1/4 Taeniopteryx	L	I	1	"	imm	~~N~~
T. burksi	L	I	1	Ful Stew 1980		
cheumatopsyche	L	O	20	Wils 1995		
Limnephilidae	L	I	1	"	imm	
culicoides	L	I	1	"		
Prosimulium	L	II	2	Adl et al 2004	imm	
Simulium tuberosum species complex	L	I	1	"	imm	
S. vittatum species complex 08110217	L	XIIII	14	"	exto	
Laevapex fuscus	A	II	2	ThropRog 2016		
Sphaerium simile	A	I	1	Mackie 2007		
Conchapelopia 08220700	L	II	2	coon Epl 2013		
Thienemanniniyia group	L	III	3	"	mt indet imm	n=1 Y
Diplocladius	L	II	2	And +3 2013		
Hydrobaenus	L	II	2	"		
Orthocladius (orthocladius) oliveri	L	III	3	Bolton 2012		
Parakiefferiella	L	I	1	And +3 2013		
Parametriocnemus	L	II	2	"		
Rheocricotopus	L	II	2	"		
Thienemanniella xena	L	III	3	Bolton 2012		
Cladotanytarsus	L	I	1	Epl et al 2013		
Demicryptochironomus	L	I	1	"		
Paratanytarsus	L	II	2	"	mt indet	
Polypedilum (Polypedilum) fallax group	L	II	2	Bolton 2012		
P. (P.) laetum group	L	I	1	"		
Rheotanytarsus	L	IIII	9	Epl et al 2013		
Stenochironomus	L	II	2	"		

C3 taxa, TVAL 52.0