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)**
Hayden Creek	1399700	20201102-50-04

Sampling Location: ~20m upstream Brandl Lane bridge

Database Key: 250467516

SWIMS Station ID	**SWIMS Station Name**
10053929	HAYDEN CREEK AT BRANDL LANE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.540014	-89.819274	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
CENTRAL WISCONSIN	MILL CREEK	PORTAGE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
TAYLOR HASZ	MILL CREEK TWA 2020 (319 PROJECT-FUNDED)

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**	**Replicate No.** ___ **of** ___
5	3	1	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)**

Water Color: [ ] Clear [X] 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)**
	.75	.75

Composition of Substrate Sampled (Percent):

Bedrock: ___ Boulders (basketball or larger): ___ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 50

Sand: 20 Clay: ___ Silt/Muck: 10 Overhanging Vegetation: 10

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

Embeddedness of Substrate at Sample Site (%) 20 **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
Biological		
Algae: - Diatoms / Periphyton	PL	U
- Filamentous Algae	N	U
- Planktonic Algae	N	U
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization: - Upstream	N	PL
- Downstream	N	PL
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	U
Sedimentation	N	U
Sludge	N	U
Thermal	N	U
Turbidity	N	U
Other - Specify:		

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

Comments
Sampled ~ 20 m upstream Brandl Lane bridge. No riffles present so sampled gravel in a run and also sampled overhanging vegetation.

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: RRV	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 8.3 %
Date Processed: 5/5/21	Specimens Saved: Subsample archived in ABL until Jul 2024	

C2Q3=50
A3Q4=79
~~C2Q4=~~
~~A3Q3~~

129 specs

Wisconsin Department of Natural Resources
ABL SampleNum: **20201102-50-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Hayden Creek**
SWIMS Database Key: **250467516**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	IIII	6	MCB 2019	imm	N
C. punctata	L	IIII	5	Klug 2016		
Oecetis	L	I	1	MCB 2019	imm	
Platycentropus	L	II	2	"		
Lidessus affinis	A	I	1	Hilsenhoff 1994		
Dubiraphia	L	IIII	4	MCB 2019		
Limnephilidae	L	I	1	"	imm	N
Triaenodes	L	I	1	"	imm	
Gyrinidae	P	I	1	"	dam	
Nemerodromia	L	I	1	"		
Odontomyia	L	I	1	"		
Caecidotea communis	A	III	8	Nolte 1972		
Cyclopidae	A	II	2	Thorp Rog 2016		
Harpacticoida	A	II	2	"		
Daphniidae	A	I	1	"		
Tricladida	A	I	1	"		
Stagnicola	A	I	1	Brown 1989 or T&C 1991		
Naidinae	A	I	1	Kath Brinkhurst 1998		
Tubificinae (with hairs)	A	IIII	4	"		
Tubificinae (without hairs)	A	0-1	26	"		
~~Split A2a Chironomidae~~	L	~~8x~~				
~~Split A2b Chironomidae~~	L	~~8x~~				
~~Split A2c Chironomidae~~	L	~~1~~				
Cryptochironomus	L	III	3	And et al 2013		
Microtendipes pedellus group	L	I	1	"		
Simuliidae	L	I	1	MCB 2019	imm	
Conchapelopia	L	X-II	17	And et al 2013		
Thienemannimyia group	L	I	1	"	imm	N
Diplocladius	L	I	1	"		
Hydrobaenus	L	XIII	13	"		
Parametriocnemus	L	II	2	"		
Chironomini	L	I	1	"	imm	N
Dicrotendipes	L	I	1	"		
Micropsectra	L	8-III	38	"		
Paratendipes	L	X-	15	"		
Stictochironomus	L	X-	15	"		
Tanytarsus	L	I	1	"		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Tribelos jucundus	L	1	1	Bolton 2012		