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)**
DALY CREEK	444500	20181003-43-02

Sampling Location	**Database Key**
under Bridge	168363589

SWIMS Station ID	**SWIMS Station Name**
10016659	DALEY CR. - DALEY CR. AT K

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

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**	
6	10	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)**
11.83	8.29	78.6	7.95	.540	>122

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)**
-	.4	8

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: 40 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 60 **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	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	PH
Iron Bacteria	U	U	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	U	- Organic (PCBs, pesticides...)	N	U
Slimes	N	N	Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	N	N
Physical			Point Source - Specify:	N	N
Bank Erosion	N	N	Pasturing of Livestock	U	U
Channelization: - Upstream	N	U	Runoff: - Barnyard	N	PH
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	N	- Cropland	N	PL
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	U
Low Flow	N	N	Tile Drainage - Organic Soils	N	U
Sedimentation	PH	PH	- Mineral Soils	N	U
Sludge	N	N	Springs	U	U
Thermal	N	U	Tributary(s)	U	U
Turbidity	N	N	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Sam Camacho	Dimock, Jeffrey	33%
Date Processed	**Specimens Saved**	
2/25/19	Subsample archived in ABL until May 2022	

C2 B2 C3 A2 E2
24 33 22 31 35 145 total

Wisconsin Department of Natural Resources
ABL SampleNum: **20181003-43-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Daly Creek**
SWIMS Database Key: **168363589**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	I	1	Klub 2016		
Plauditus	L	I	1	"	dam	
Baetidae	L	I	1	"	dam	N
Heptageniidae	L	II	2	"	imm	N
Stenacron	L	X	10	"	imm	N
S. interpunctatum	L	IIII	4	"		
Maccaffertium vicarium	L	-II	7	"		
Leptophlebiidae	L	-III	9	"	dam/imm	N
Leptophlebia	L	IIII	5	"	imm	
Calopterygidae	L	I	1	West May 1996	imm	N
Calopteryx	L	I	1	"	imm	N
C. maculata	L	II	2	"		
Cheumatopsyche	L	II	2	Wils 1995		
Hydropsyche betteni	L	I	1	Schm Wils 1986		
Psychomyia flavida	L	III	3	Wils 1995		
Dubiraphia	L	I	1	Wils Schm 1992		
Nemerodromia	L	I	1	Coon Merr 2008		
Tanypodinae	P	I	1	Ferr et al 2008	dam	
Cricotopus (Cricotopus)	P	II	2	Coff et al 1986		
Harnischia	P	I	1	Ferr et al 2008		
Rheotanytarsus	P	I	1	"		
Gammarus pseudolimnaeus	A	X-III	19	Wils 1972		
Caecidotea	A	II	2	Will 1972	imm	
Lebertia	A	XIII	14	Pluch 1984		
Branchiobdellida	A	III	3	Thorp Rog 2016		
Tubificinae (without hairs)	A	-	5	Klemm 1985		Y
Tubificinae (with hairs)	A	III	3	"		Y
~~Physa~~ Fossaria	A	I	1	Thorp Rog 2016		
~~Split A3 Chironomidae~~	~~L~~	~~III JJO~~				
Natarsia baltimorea	L	-I	6	Epler 2001		
Procladius (Holotanypus)	L	II	2	Coon Epl 2013		
Thienemanniella	L	II	2	And+3 2013	dam	N
Th. taurocapita	L	I	1	Bolton 2012		
Th. xena	L	II	2	"		
Chironomus	L	-IIII	9	Epl et al 2013		
Cladotanytarsus	L	X	30	"		

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Cryptochironomus	L	III	3	Epl et al 2013		
Microtendipes pedellus group	L	-III	8	"		
Paratanytarsus	L	I	1	"	mtindet	N
P. sp. B	L	I	1	Hills unpub		
Polypedilum (Tripodura) scalaenum group	L	III	3	Bolton 2012		
Stempellinella	L	III	3	Epl et al 2013		
Stictochironomus	L	-III	8	"		
Tanytarsus	L	-	5	"		