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)**
COLDWATER CREEK	2156300	20191205-09-01

Sampling Location: US culvert ~25m

Database Key: 215849290

SWIMS Station ID	**SWIMS Station Name**
10008701	COLDWATER CREEK AT 320TH ST. [1]

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): Mycal Raleigh, Alex Solle

Project Name: 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**	**Replicate No.**
45 sec	1.5	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)**
~0.56					

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)**
	.25	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 20

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

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

Embeddedness of Substrate at Sample Site (%) 5 **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	N	U
- Filamentous Algae	N	U
- Planktonic Algae	N	U
Iron Bacteria	N	U
Macrophytes	N	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	U
Sedimentation	PL	U
Sludge	N	U
Thermal	U	U
Turbidity	U	U
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	33%
Date Processed	Specimens Saved	
2/7/2020	26 + 25 + 23 59 = 133	

E3 A1 D2 | B3 C2 Total

4.5 hr | 2.5 hr

Subsample archived in ABL until Apr 2023

Wisconsin Department of Natural Resources
ABL SampleNum: **20191205-09-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Coldwater Creek**
SWIMS Database Key: **215849290**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Phylocentropus placidus	L	I		Wils 1995		
Limnephilidae	L	I		"	dam imm	UD
Phryganeidae	L	I		"	dam	
Caenis punctata	L	I		Klub 2016		
Caenis	L	I		"	imm	N
Ceratopogon cuticoidithorax	L	I		Wils 1995		
Pilarra	L	II		"		
Tipula	L	II		"		
Gammarus pseudolimnaeus	A	X-		Wals 1972		
Cyclopidae	A	III		ThorpRog 2016		
Daphnidae	A	I		"		
Dugesiidae	A	I		"		
Tubificinae (without hairs)	A	01		Klemm 1985		Y
Tubificinae (with hairs)	A	X-1		"		Y
Laevapex fuscus	A	I		ThorpRog 2016		
Physa	A	I		"		
Fossaria	A	I		Burch 1982		
Hydrobiidae NOT P. antipodarum	A	I		"		
~~SplitA2 Chironomidae~~	L	~~UD~~	UD			
~~SplitA3 Chironomidae~~	L	I UD				
Natarsia baltimorea	L	III	3	Epler 2001		
Xylotopus par	L	I	1	And+3 2013		
Cryptochironomus	L	I	1	Epl et al 2013		
Stictochironomus	L	Box	75	"		
Orthocladius (Orthocladius)	L	I	1	And+3 2013		Y
O. (O.) oliveri	L	II	2	Bolton 2012		
Chironomus	L	-	5	Epl et al 2013		
Dicrotendipes	L	I	1	"		
Microtendipes pedellus group	L	IIII	4	"		
Paratanytarsus species B	L	II	2	Wils unpubl		
Paratendipes	L	II	2	Epl et al 2013		
Polypedilum (Tripodura) scalaenum group	L	XIII	13	Bolton 2012		
Rheotanytarsus	L	I	1	Epl et al 2013		