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)**
TURNER CREEK	2156200	20191118-09-02

Sampling Location DS bridge ~3m

Database Key 212996094

SWIMS Station ID	**SWIMS Station Name**
10008715	TURNER CREEK - 290TH ST. (SOUTH OF HWY X) [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)	**Project Name**
MYCAL RALEIGH, Kristen Rathbun	LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019

Sampling Device

- [x] D-Frame Kick Net
- [ ] Ponar
- [ ] Eckman
- [ ] Hess Sampler
- [ ] Other: _____

2019 Lotz/Yellow R. TWA

Habitat Sampled

- [x] Riffle
- [ ] Other
- [ ] Littoral Zone
- [ ] Pool
- [ ] Proportionally-Sampled Habitat
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.**	**of**
1.5	1.5	1	1	1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Control Site
- [ ] Baseline
- [ ] Trend
- [ ] Impact / Treatment Site
- [x] Other: TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
3.9					

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)**
	.2	5m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 60 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 (%) 15 **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	U
- Downstream	N	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Downstream	N	U
Low Flow	N	N
Sedimentation	N	U
Sludge	N	U
Thermal	N	U
Turbidity	N	N
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	N	U
- Urban	N	U
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	N	U
Tributary(s)	U	U
Wetland	N	U
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Coash, Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 14%
Date Processed: 2/1/2020	Specimens Saved: Subsample archived in ABL until Apr 2023	

D2 - 67
A1 - 66
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Wisconsin Department of Natural Resources
ABL SampleNum: **20191118-09-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Turner Creek**
SWIMS Database Key: **212996094**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenacron	L	I	1	Klub 2016	imm	
Leptophlebra	L	I	1	"	dam	
Allocapnia	L	XII	12	Wils 1995		
Ceratopsyche alhedra	L	I	1	Schm Wils 1986		
Neophylax	L	II	2	Wils 1995	imm	
N. concinnus	L	III	3	Bright 2013		
Optioservus	L	-I	6	Wils Schm 1992	imm	N
O. fastiditus	L	-I	6	"		
Atherix variegata	L	II	2	Wils 1995		
Prosimulium	L	XV	15	Adler et al 2004	imm	
Simulium tuberosum species complex	L	I	1	"		
Antocha	L	I	1	Wils 1995		
Dicranota	L	-I	6	"		
Hygrobates	A	-I	6	Pluchino 1984		
Lebertia	A	II	2	"		
Hirudinidae	A	I	1	Klemm 1985	imm	
~~Split A3 Chironomidae~~	~~L~~	~~+ JJD~~				
Conchapelopia 08220700	L	I	1	CranEpl 2013		JJD
Thienemanniella group	L	I	1	"	imm	*N
Diplocladius	L	II	2	And+3 2013		
Eukiefferiella claripennis group	L	II	2	"		
Orthocladius (Orthocladius)	L	IIII	4	"		
Parametriocnemus	L	-IIII	9	"		
Brillia flavifrons	L	I	1	Epler 2001		
Thienemanniella	L	I	1	And+3 2013		
Th. xena	L	I	1	Bolton 2012		
Tvetenia bavarica group	L	II	2	Bode 1983		
Chironominae 08330000	L	II	2	Cranston 2013	mt in det	N
Cladotanytarsus	L	-	5	Epl et al 2013		
Dicrotendipes	L	I	1	"		
Micropsectra	L	III	3	"		
Paratanytarsus species A	L	I	1	Wils unpubl		
P. species B	L	-IIII	9	"		
Paratanytarsus	L	I	1	Epl et al 2013	mt in det	N
Polypedilum (Uresipedilum)	L	XI	11	Bolton 2012		
Tanytarsus	L	XII	12	Epl et al 2013		