

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name UNNAMED	Waterbody ID Code 2155600	Sample ID (YYYYMMDD-CY-FD) 20191107-09-02
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Sampling Location Under bridge	Database Key 212996098
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SWIMS Station ID 10008697	SWIMS Station Name UNNAMED CREEK 1 - CREEK 36-13 - CTY HWY X/YELLOW RIVER RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER	County CHIPPEWA
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Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019
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Sampling Device

☒ D-Frame Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler
☐ Other: _____		

Habitat Sampled

☒ Riffle	☐ Run	☐ Pool
☐ Other	☐ Shoreline Composite	☐ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) 4	Estimated Area Sampled (m²) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: TWA

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☒ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.1	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 60	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 5
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Sand: 5	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other ():: _____
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Embeddedness of Substrate at Sample Site (%) 10	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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	PL	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	PH	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	PH	U
Bank Erosion	PH	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	PH	N	- Construction	N	U
- Downstream	N	N	- Cropland	PL	U
Hydraulic Scour / Channel Incision	N	U	- Urban	PL	U
Impoundment: - Upstream	PH	N	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	U	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	U	U	Other - Specify:	U	U
Other - Specify:					

Comments Stream is impounded directly US of bridge. Heavy cattle pasturing DS of bridge. Great substrate throughout, but very little for macroinvertebrates.

Special Instructions for Laboratory

39 3A = 39 1D = 40 1C = 47 Total = 126 (129)

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimrock, Jeffery	Estimated Percent of Sample Sorted 20%
Date Processed 1/28/2020	Specimens Saved Subsample archived in ABL until Apr 2023	

Wisconsin Department of Natural Resources

ABL SampleNum: 20191107-09-02

Taxonomist: Dimick, Jeffrey

Waterbody: Unnamed Creek 36-13

SWIMS Database Key: 212996098

Page 1 of 2

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna</i>	L	I	1	Kub 2016	dam	N
<i>A. maddunoughi</i>	L	XII	12	"		
<i>A. pycnaea</i>	L	I	1	"		
<i>Baetis flavistriga</i> species complex	L	I	1	"		
<i>Heptageniidae</i>	L	I	1	"	imm	N
<i>Maccaffertium vicarium</i>	L	III	3	"		
<i>Stenocranus</i>	L	III	8	"	imm	N
<i>S. interseptatum</i>	L	I	1	"		
<i>Alloaennia</i>	L	I	1	Hils 1995		
<i>Stenonema femoratum</i>	L	I	6	Kub 2016		
<i>Leptophlebia</i>	L	II	2	"		
<i>Chematopsyche</i>	L	III	10	Hils 1995		
<i>Hydropsyche betteni</i>	L	II	2	Schmitts 1986		
<i>Optioservus</i>	L	I	1	Hils Schmitts 1992	imm	N
<i>O. fastiditus</i>	L	II	2	"		
<i>Stenelmis</i>	L	I	1	"		
<i>Stenelmis hemerodromia</i>	L	I	1	Court Merr 2008		
<i>Simulium vittatum</i> species complex 08110217	L	I	1	Adel et al 2004		
<i>Prosimulium</i>	L	I	1	"	imm	
<i>Antocha</i>	L	I	1	Hils 1995		
<i>Limnophila</i>	L	I	1	"		
<i>Caecidotea racovitzai racovitzai</i>	A	II	7	Will 1972		
<i>Cyclopidae</i>	A	II	2	Thorp Reg 2016		
<i>Negetiidae</i>	A	III	8	"		
<i>Tubificinae</i> (without hairs)	A	XI	11	Klemm 1985		Y
<i>Tubificinae</i> (with hairs)	A	I	1	"		Y
<i>Tritonia bavarica</i> group	L	III	4	Bode 1983		
<i>Conchapelopia</i> 08270100	L	III	3	Cran Epl 2013		
<i>Natarsia baltimorea</i>	L	I	1	Bolton 2012		
<i>Thienemannimyia</i> group <i>has 2 segments</i>	L	III	3	Cran Epl 2013	imm	Y
<i>Diplocladius</i>	L	II	2	And + 3 2013		
<i>Parametriocnemus</i>	L	or	25	"		
<i>Thienemannella</i>	L	I	1	"	imm	
<i>Micropectra</i>	L	I	6	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	II	2	"		
<i>Paratanytarsus</i> species A	L	III	4	Hils unpubl		
<i>P. species B</i>	L	II	2	"		

< 3 taxa, TVAL ≤ 2.0

Taxonomist: Dimick, Jeffrey

SWIMS Database Key: 212996098

[illegible]