

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name UNNAMED			Waterbody ID Code 5007987		Sample ID (YYYYMMDD-CY-FD) 20191120-09-05
Sampling Location US culvert ~10m					Database Key 215849326
SWIMS Station ID 10052895		SWIMS Station Name UNNAMED TRIB TO HAY CREEK @ STH 64			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER			County CHIPPEWA
Sample and Site Descriptors					
Sample Collector (Last Name, First) Raleigh, Myer; Rothman, Kristen			Project Name LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019		
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) 6.5	Estimated Area Sampled (m ²) 2		Number of Samples in Composite 1		Replicate No. 1 of 1
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: TWA					
Water Temp. (C) 11	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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)	
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m)		Average Stream Width of reach (m)	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 60	
Sand: 10		Clay: _____		Gravel (ladybug to tennisball): 30	
Silt/Muck: _____		Overhanging Vegetation: _____			
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (____): _____					
Embeddedness of Substrate at Sample Site (%) 5			Canopy Cover at Sample Site (%) 10		

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	N	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	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	N	U
Thermal	U	U	Wetland	N	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments: most of stream frozen over. one small riffle exposed

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7
Date Processed 02/06/2020	Specimens Saved Subsample archived in ASL until Apr 2023	

A3: 142

Wisconsin Department of Natural Resources

ABL SampleNum: 20191120-09-05

Taxonomist: Dimick, Jeffrey

 Waterbody: **Unnamed Tributary to Hay Creek**

SWIMS Database Key: 215849326

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	Klub 2016	imm	N
Caenis	L	1	1	"	imm	
Acerpenna pygmaea	L	1	1	"		
Maccaffertium vicarium	L	1	6	"		
Stenacron	L	1	1	"	imm	
Leptophlebia	L	1	1	"	imm	
Paraleptophlebia	L	1	3	"	imm	
Allerapnia	L	1	4	Hils 1995		
Paracapnia angulata	L	1	1	Hitch 1974		
Chironomus	L	1	1	Hils 1995		
Taeniopteryx	L	1	1	"	imm	
Cheumatopsyche	L	1	5	"		
Hydropsyche betteni	L	1	1	Schm Hils 1996		
Neophylax	L	1	1	Hils 1995	imm	
Optodromus	L	1	11	Hils Schm 1992	imm	N
O. fastidius	L	1	3	"		
Stenelmis	L	1	1	"		
Bezzia/Peperomyia	L	1	1	Hils 1995		
Simulium Prosimulium	L	1	2	Adl et al 2001	imm	
Simulium Abrandatum	L	1	1	"		
Dicranota	L	1	1	Hils 1995		
Lebertia	A	1	3	Pluchino 1984		
Pristina	A	1	2	Kahn Brink 1998		
Tubificinae (without hairs)	A	1	2	Klemm 1985		
Tubificinae (with hairs)	A	1	2	"		
Pisidium	A	1	1	Mackie 2007	imm	
Spiliza Chironomidae	L	1				
Gomphocnema	L	1	7	And+3 2013		
Orthocladius 08300000	L	1	6	Cranston 2013	imm	N
Diplocladius	L	1	3	And+3 2013		
Orthocladius (Eurocladius)	L	1	1	"		
O. (Orthocladius) oliveri	L	1	3	Bolton 2012		
Parametrioctenemus	L	1	8	And+3 2013		
Thienemannella	L	1	3	"	imm	
Tritenia bavarica group	L	1	9	Bode 1983		
chironominae 08330000	L	1	1	Cranston 2013		
Cladotanytarsus	L	1	11	Epl et al 2013		

Taxonomist: Dimick, Jeffrey

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