

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name CADY CREEK	Waterbody ID Code 2058000	Sample ID (YYYYMMDD-CY-FD) 20181031-48-01
Sampling Location Under bridge		Database Key 168358533

SWIMS Station ID 10009648	SWIMS Station Name CADY CREEK 1- CTH P
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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 EAU GALLE RIVER	County PIERCE
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Sample and Site Descriptors

Sample Collector (Last Name, First) Reid, M	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 45 sec	Estimated Area Sampled (m²) 1 m ²	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: _____

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 6m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 100 (bridge)

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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
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	PL	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	PL	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	PL	U
Hydraulic Scour / Channel Incision	N	U	- Urban	U	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	PH	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)	PL	U
Thermal	N	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments *CLP in stream*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Abby Adams</i>	Taxonomist <i>Ormsick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>11-5-19</i>	Specimens Saved <i>Subsample archived in ABE mtrbl Jan 2023</i>	

D1 D2 E1
 S6 64 47

Total Specs = 167

Wisconsin Department of Natural Resources

ABL SampleNum: 20181031-48-01

Taxonomist: Dimick, Jeffrey

Waterbody: Cady Creek

SWIMS Database Key: 168358533

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	I	1	Klub 2016		
<i>B. tricaudatus</i>	L	IIII	11	"		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Aeschna maedunnoughi</i>	L	I	1	"		
<i>Ephemerella</i>	L	V-III	10	"	imm	N
<i>E. excrucians</i>	L	III	3	"		
<i>Mallagma trivittatum</i>	L	I	1	"		
<i>Taeniopteryx</i>	L	I	1	Hils 1995	imm	
<i>Brachycentrus occidentalis</i>	L	III	3	Hils 1985		
<i>Ceratopsyche</i>	L	III	7	Hils 1995	dam/imm	N
<i>C. alhedra</i>	L	-	5	Schm Hils 1986		
<i>C. glossonotus</i>	L	III 32	2750	"		
<i>C. verna</i>	L	I	1	"		
<i>Cheumatopsyche</i>	L	III-III	39	Hils 1995		
<i>Hydropsyche</i>	L	III	3	"	imm	
<i>Dubiraphia</i>	L	I	1	Hils Schm 1992		
<i>Optioservus</i>	L	III	23	"	imm	N
<i>O. fastidius</i> L.4 A.3	L, A	-II	7	"		
<i>Hemerodromia</i>	L	III	3	Court Merr 2008		
<i>Simulium vittatum</i> species complex 08110218	L	I	1	Adl et al 2004		
<i>Limnoria</i>	A	IIII	4	Pluchino 1984		
<i>Syntherisma</i>	A	-I	6	"		
<i>Dugesidae</i>	A	I	1	Thorp Reg 2016		
<i>Tubificinae</i> (without hairs)	A	III	3	Klemm 1985		Y
<i>Tubificinae</i> (with hairs)	A	II	2	"		Y
split A3 Chironomidae	L	I-JJD				
<i>Orthocladinae</i> 08300000	L	I	1	Craston 2013	mt indet	Y
<i>Eukiefferiella brehmi</i> group	L	I	1	And + 3 2013		
<i>Polypedilum</i> (<i>vespedilum</i>) <i>aviceps</i>	L	III	3	Bolton 2012		
<i>Rheotanytarsus</i>	L	I	1	Epl et al 2013		

> 3 taxa, TVAL ≤ 2.0
 19 > (0.1 x 138)