

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

Station Summary			
Waterbody Name CADY CREEK		Waterbody ID Code 2058000	Sample ID (YYYYMMDD-CY-FD) 20171002-48-01
Sampling Location DS edge of bridge		Database Key 148368956	
SWIMS Station ID 10009648		SWIMS Station Name CADY CREEK 1- CTH P	
Latitude 44.79041	Longitude -92.14351	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name EAU GALLE RIVER	County PIERCE

Sample and Site Descriptors	
Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

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) 15 (30s)	Estimated Area Sampled (m ²) 1m ²	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
---------------------------------------	---	-------------------------------------	------------------------------------

Reason for Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) 11.48	D.O. (mg/l) 9.90	D.O. (%sat.) 90.9	pH (su) 7.84	Conductivity (umhos/cm) 532	Transparency (cm)
--------------------------	---------------------	----------------------	-----------------	--------------------------------	-------------------

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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
---	---

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .2	Average Stream Width of reach (m) 6m
---	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 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 (%) 20 Canopy Cover at Sample Site (%) 50

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

Comments - Curlyleaf PW present in stream

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Sam Lamarche	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 11/1/18	Specimens Saved Subsample archived in ABC until Jan 2022	

1C
227

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	ii	2	Hils 1995	imm	
Baetis hazzanicolor	L	-i	6	Klub 2016		
B. tricaudatus	L	-	5	"		
B. flavistriga species complex	L	i	1	"		
Placiditus	L	i	1	"	dim	
Ephemerella	L	-ii	7	"	imm	N
E. excrucians	L	iii	3	"		
Brachycentrus occidentalis	L	ii	2	Hils 1995		
Glossosoma intermedium	L	ii	2	Wym M. 2000		
Cheumatopsyche	L	0x-iii	59	Hils 1995		
Nydropsyche bettoni	L	-	5	Schm Hils 1995		
Ceratopsyche alhedra	L	-i	6	"		
Ceratopsyche	L	i	1	Hils 1995	imm	N
C. sibsonae	L	0-	25	Schm Hils 1995		
C. sparna	L	-iiii	9	"		
Deceis avara	L	i	1	Floyd 1995		
Eptosemus	L	xiii	13	Hils Schm 1992	imm	N
O-festiditus L. 7 A. 2	L/A	-iiii	9	"		
Stenelmis aenata	A	i	1	"		
Hemendromia	L	ii	2	Cont Merr 2008		
Simulium tuberosum species complex	L	-	5	Adl et al 2004		
Simulium	P	i	1	"		N
Dicranota	L	ii	2	Hils 1995		
Tvetenia	P	i	1	Ferr et al 2008		N
Sperchonopsis	A	ii	2	Pivch 1984		
Split A3 Chironomidae	L	-iii JJD				
Rhetanybarsus	L	0iii	23	Epl et al 2013		
Eukiefferella brehmi group	L	ii	2	Anders + 3 2013		
Eu. claripennis group	L	iii	4	"		
Eu. depressa group	L	iii	3	"		
Parametricnemus	L	ii	2	"		
Tvetenia bavarica group	L	x-	15	Bode 1983		
Chironominae 0833000	L	i	1	Cranston 2013	mt indet	Y
Parabanybarsus longistylus	L	iii	4	Epl et al 2013		
Pelypeditum (Uresipeditum) viliceps	L	-i	6	Bolton 2012		