

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

**Station Summary**

<b>Waterbody Name</b> CADY CREEK	<b>Waterbody ID Code</b> 2058000	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20211020-48-1
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<b>Sampling Location</b> Under bridge	<b>Database Key</b> 287769794
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<b>SWIMS Station ID</b> 10009648	<b>SWIMS Station Name</b> CADY CREEK I- CTH P
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<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER CHIPPEWA	<b>Watershed Name</b> EAU GALLE RIVER	<b>County</b> PIERCE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> MYCAL RALEIGH	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

- Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: \_\_\_\_\_

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.25	<b>Average Stream Width of reach (m)</b> 6m
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**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 (%)** 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	Local	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	PL	U	Chlorine	U	U
- Filamentous Algae	PL	U	Dissolved Oxygen	U	U
- Planktonic Algae	U	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:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	PH	U
<b>Physical</b>			Point Source - Specify:		
Bank Erosion	PH	U	Pasturing of Livestock	N	U
Channelization: - Upstream	N	U	Runoff: - Barnyard	N	U
- Downstream	N	U	- Construction	N	U
Hydraulic Scour / Channel Incision	PH	U	- Cropland	PL	U
Impoundment: - Upstream	N	U	- Urban	N	U
- Downstream	N	U	Septic Systems	U	U
Low Flow	N	U	Tile Drainage - Organic Soils	U	U
Sedimentation	PH	U	- Mineral Soils	U	U
Sludge	N	U	Springs	U	U
Thermal	N	U	Tributary(s)	U	U
Turbidity	N	U	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Katherine McClure	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 26.7%, 17.2%
Date Processed 12/10/22	Specimens Saved Subsamples archived in ABC until Mar 2026	

A292:13 B494:4 D191:14 D393:5 C191:8 D292:7 A393:6 B191:20  
 A294:5 B491:10 D194:12 D394:7 D291:11 A392:8 B193:21  
 A291:7 B493:2 D192:9 D391:4 (129) D293:7 A394:8 B192:19  
 A293:7 B492:4 D193:7 D392:11 D294:19 A391:8 B194:  
 (134)

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Baetis tricaudatus</i>	L	0	1		Klub 2016		
<i>B. flavistriga</i> species complex	L	0	2		"		
<i>Ephemera</i>	L	1	5		MCB 2019	imm	
Heptageniidae	L	1	1		"	imm	N
<i>Maccaffertium vicarium</i>	L	1	2		Klub 2016		
<i>Taeniopteryx</i>	L	2	2		MCB 2019	imm	
<i>Brachycentrus occidentalis</i>	L	1	1		Hols 1985		
<i>Ceratopsyche</i>	L	0	2		Hols 1995	imm	N
<i>C. alhedra</i>	L	1	0		Schmitts 1986		
<i>C. glossanae</i>	L	6	13		"		
<i>Chematopsyche</i>	L	26	30		MCB 2019		
<i>Hydropsyche</i>	L	3	0		Wiggins 1977		
<i>Pycnopsyche</i>	L	1	0		MCB 2019		
<i>Neophylax</i>	L	0	1		"	imm	
<i>Optioservus</i>	L	16	21		"	imm	N
<i>O. fastidius</i>	LA	5	9		HolsSchm 1992		
<i>Ceratopogon extracordithorax</i>	L	3	0		Hols 1995		
Orthocladiinae 08300001	P	1	0		MCB 2019	dam	N
<i>Nemero dromia</i>	L	0	1		"		
<i>Neoplesta</i>	L	1	2		"		
<i>Simulium vittatum</i> species complex 08400217	L	1	0		Adler et al 2011		
<i>Gammarus pseudolimnoides</i>	A	4	9		Hols 1972		
Hydridae	A	1	1		Thorp 2016		
Dugesiiidae	A	2	0		"		
Physona	A	1	0		"		
Enchytraeidae	A	1	0		"		
Naididae	A	3	5		Kath.Born 1999		
Tubificonae (without hairs)	A	1	0		"		
Hydrobates	A	5	2		Peck et al 1990		
Speleonomidae	A	6	2		"		
<del>split A2 Chironomidae</del>	L	41	31	DD			
<i>Concha pelopis</i>	L	1	0		Adler et al 2013		
<i>Thienemannimyia</i> group	L	1	0		"	imm	N
<i>Pogonura</i>	L	6	9		"		
<i>Pogonura longimanus</i> group	L	1	0		"		
Orthocladiinae 08300000	L	1	1		"	imm	N
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	5	4		"		
<i>C. (Isocladius) sylvestris</i> group	L	1	1		"		
<i>Eukiefferiella brehmi</i> group	L	3	3		"		

