

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

Station Summary					
Waterbody Name CEDAR SPRING CREEK			Waterbody ID Code 245000		Sample ID (YYYYMMDD-CY-FD) 20201007-70-01
Sampling Location DS County Q 70 meters					Database Key 250550805
SWIMS Station ID 10030585		SWIMS Station Name CEDAR SPRINGS CREEK - COUNTY HIGHWAY Q			
Latitude N44.08648	Longitude W89.07157	Lat/Long Determination Method (circle) SWIMS SWDV <b>GPS</b>		Datum Used if using GPS <b>WGS84</b> or NAD83	
Basin (WMU) WOLF RIVER		Watershed Name PINE AND WILLOW RIVERS		County WAUSHARA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name NER LONG-TERM TREND WADEABLE REFERENCE STREAM		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____					
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland					
Total Sampling Time (min) 2	Estimated Area Sampled (m <sup>2</sup> ) 1.0	Number of Samples in Composite 1		Replicate No. _____ of _____	
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend <input type="checkbox"/> Other: _____					
Water Temp. (C) 13.0	D.O. (mg/l) 9.3	D.O. (% sat.) 90.0	pH (su) 7.7	Conductivity (umhos/cm) 344.7	Transparency (cm) 120
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) 0.3		Average Stream Width of reach (m) 1.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 100	
Sand: _____		Clay: _____		Silt/Muck: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (_____): _____		Overhanging Vegetation: _____		Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) 0			Canopy Cover at Sample Site (%) 0		

**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	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
<b>Physical</b>			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	PL	PL	- Cropland	N	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	N	N	Springs	N	N
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

same as 2019

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Reed, Kayla	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7.8%
Date Processed 11-30-21	Specimens Saved Subsample 131 archived in ABC cabinet Feb 2025	

D2Q3 → 25  
 B4Q1 → 41  
 D2Q2 → 19  
 B4Q3 → 22  
 D2Q4 → 24

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	MCB 2019	dam	N
B. brunneicolor	L	III	4	Klub 2016		
B. tricaudatus	L	I	5	"		
B. flavistriga species complex	L	I	1	"		
Ephemerella	L	I	1	MCB 2019	imm	N
E. subvaria	L	XI	11	Klub 2016		
Brachycentrus americanus	L	III	3	Hils 1985		
B. occidentalis	L	II	2	"		
Micrasema gelidum	L	-IV	7	"		
Glossosoma intermedium	L	III	3	Wynn Mar 2000		
Hydropsychidae	L	-I	6	MCB 2019	imm	N
Ceratopsyche slossonae	L	XII	12	Schmitts 1986		
C. spina	L	II	2	"		
Cheumatopsyche	L	IV	25	MCB 2019		
Hydropsyche betterii	L	XI	11	Schmitts 1986		
Lepidostoma	L	II	3	MCB 2019		
Optiosevus	L	-II	7	"	imm	N
O. fastiditus	L	-	5	Hils Schmitt 1992		
Nemerodromia	L	I	1	MCB 2019		
Simulium tuberosum species complex	L	I	1	Adl et al 2004		
Antocha	L	I	1	MCB 2019		
Gammarus pseudolimnoides	A	XII	12	Hils 1972		
Maidmore	A	X-III	19	Kath Barr 1998		
Tchificinae	A	I	1	"	post Greg	
<del>Split As Chironomidae</del>	L	III-IV				
Parametriocnemus	L	I	1	Adl et al 2013		
Twetenia bavarica group	L	-III	8	Bode 1983		
Rheotanytarsus	L	I	1	Adl et al 2013		
Thienemannimyia group	L	I	1	"	imm	
Eukiefferella clavigeris group	L	I	1	"		
Paratanytarsus longistilus	L	I	1	"		
Polypedium (Crespedium) aviceps	L	I	1	Bolton 2012		