

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name CEDAR CREEK		Waterbody ID Code 21300	Sample ID (YYYYMMDD-CY-FD) 20191104-46-02
Sampling Location OS Green Bay Rd.		Database Key 220742791	
SWIMS Station ID 10015907		SWIMS Station Name CEDAR CREEK - 50 FEET DOWNSTREAM OF GREENBAY ROAD	
Latitude 43.2838	Longitude -87.9714	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name CEDAR CREEK	County OZAUCKEE

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG HELKER	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATE
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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) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 5.51	D.O. (mg/l) 13.02	D.O. (% sat.) 105.3	pH (su)	Conductivity (umhos/cm) 758.4	Transparency (cm) 120
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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)
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Measured Velocity 4.3 circle units m/s or f/s <u>(f/s)</u>	Average Stream Depth of reach (m) .7	Average Stream Width of reach (m) 15
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>40</u>
Sand: <u>30</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>40</u>		Canopy Cover at Sample Site (%) <u>40</u>	

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Eric Naas</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>53%</i>
Date Processed <i>6/11/2020</i>	Specimens Saved <i>Subsample archived on 16/11/2023</i>	

A2 01 C3 02 B2 A3 E1 E2
19 19 21 16 12 18 15 22 = 142

Wisconsin Department of Natural Resources

ABL SampleNum: 20191104-46-02

Taxonomist: Dimick, Jeffrey

Waterbody: Cedar Creek

SWIMS Database Key: 220742791

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
^{1/1} Levegeta	L	i	1	Klub 2016		
Maccaffertium	L	i	1	"	imm	N
M. medopunctatum	L	-iii	9	"		
Tricorythodes	L	ii	3	"		
Argia	L	ii	2	West May 2016	imm	
^{2/6} Taeniopteryx	L	iii	5	Merrillum B 2019	imm	
^{3/24} Pseudoceryx	L	x-iii	18	"		
Helicopsyche borealis	L	i	1	Hils 1995		
Ceratopsyche	L	iii	4	"	dam/imm	N
C. brenta	L	x-ii	17	Schmitt Hils 1986		
C. macosa bifida form	L	i	1	"		
Cheumatopsyche	L	01	21	Merrillum B 2019		
Hydropsyche betteri	L	i	1	Schmitt Hils 1986		
^{4/32} Leuctra pictipes	L	-iii	8	Hils 1995		
Chimarra obscura	L	xii	12	Hils 1982		
Ophioceryx	L	xiii	13	Hils Schmitt 1992	imm	N
O. fastidius L, 18 A, 1	L, A	x-iii	19	"		
Stenelmis	L	x-iii	18	"		N
S. crenata	A	iii	3	"		
Nemotoma	L	iii	3	Merrillum B 2019		
Simulium vittatum species complex 08110218	L	i	1	Adl et al 2011		
Antocha	L	iii	3	Hils 1995		
Eukiefferiella <u>Eckar SG</u>	P	i	1	Merrillum B 2019		N
Psephenus hericki	L	-i	6	Hils Schmitt 1992		
Caecidotea intermedia	A	-iii	8	Will 1972		
Orconectes rusticus	A	i	1	Habbs Jass 1988		
Prostoma = Haploperla = Nemerita	A	i	1	Thorp Reg 2016		
Tubificidae (without hars)	A	i	1	Klemm 1985		
Ephemerellidae	A	i	1	Thorp Reg 2016	dam	
Sphaerium simile	A	i	1	Mackie 2007		
Split A2 Chironomidae	L	-iii-20				
Eukiefferiella claripennis group	L	i	1	And+3 2013		
Cladobryopsis	L	-ii	7	Epl et al 2013		
Microtendipes pedellus group	L	iii	5	"		
Rhyacophila	L	i	1	"		
Conchospila 08270180	L	i	1	Cran Epl 2013		
Hydrobaenus	L	i	1	And+3 2013		

>3 taxa, TVAL ≤ 2.0

32 > (0.1 x 191)

Taxonomist: Dimick, Jeffrey

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[illegible]