

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name CEDAR CREEK		Waterbody ID Code 21300	Sample ID (YYYYMMDD-CY-FD) 20191104-46-04
Sampling Location DS foot bridge			Database Key 220742803
SWIMS Station ID 10028907		SWIMS Station Name CEDAR CREEK AT COVERED BRIDGE ROAD	
Latitude 43.3329	Longitude -88.0037	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name CEDAR CREEK	County OZAUKEE

Sample and Site Descriptors	
Sample Collector (Last Name, First) CRAIG HELKER	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATA

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) 1	Estimated Area Sampled (m²) 1	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) 6.44	D.O. (mg/l) 11.02	D.O. (% sat.) 91.1	pH (su)	Conductivity (umhos/cm) 711	Transparency (cm) +120
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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 3.1 circle units m/s or f/s	Average Stream Depth of reach (m) .8	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40
 Sand: 20 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 (%) 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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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:
Physical					Pasturing of Livestock
		Bank Erosion			Runoff: - Barnyard
		Channelization: - Upstream			- Construction
		- Downstream			- Cropland
		Hydraulic Scour / Channel Incision			- Urban
		Impoundment: - Upstream			Septic Systems
		- Downstream			Tile Drainage - Organic Soils
		Low Flow			- Mineral Soils
		Sedimentation			Springs
		Sludge			Tributary(s)
		Thermal			Wetland
		Turbidity			Other - Specify:
		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>20%</i>
Date Processed <i>6/15/2020</i>	Specimens Saved <i>Subsample archived in ABC until Aug 2023</i>	

E3 A1 B3
 41 51 52 = 144

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis latipennis	L	I	1	Kub 2016		
^{1/4} Leucopoda	L	IIII	4	"		
Maccabertium medipunctatum	L	x-ii	17	"		
Argia	L	III	3	West May 2016	imm	N
A. modesta	L	III I	1	"		
^{2/7} Tricorythys	L	I	1	Merrillum B 2019		
T. vivalis	L	II	2	Full Stew 1980		
^{3/8} Paragnetina media	L	I	1	Hils 1995		
^{4/4} Proptera	L	-I	6	Merrillum B 2019		
Ceratopsyche bronza	L	x-iiii	19	Schm Hils 1986		
C. morosa bifida form	L	II	2	"		
Cheumatopsyche	L	x-iiii	19	Merrillum B 2019		
Hydropsyche	L	I	1	Hils 1995	imm	N
H. betteri	L	II	3	Schm Hils 1986		
^{5/7} H. scalaris	L	III	3	"		
Chimarra obscura	L	II	2	Hils 1982		
^{6/25} Psychomyia flavida	L	-III	8	Hils 1995		
Petrophila	L	I	1	Merrillum B 2019		
Ottoservus fastiditus	L	IIII	4	Hils Schm 1992		
Stenelmis	L	III	33	"		N
S. crenata	A	x I	11	"		
Psephenus herricki	L	I	5	"		
Prohezia	L	I	1	Hils 1995		
Hemerodromia	L	III	3	Merrillum B 2019		
Simulium vittatum species complex 08110218	L	IIII	4	Adl et al 2004		
Nyaletta spinicauda	A	I	1	Suzok et al 2015		
Caecidotea	A	II	2	Thorp Bog 2016	imm	
Whiffles (without hairs)	A	I	1	Kemm 1985		
Spilops Chironomidae	L	IIII + III				
Thienemanniella	L	II	2	And + 3 2013	imm	
Tuctenia discoloripes group	L	I	1	Bode 1983		
Thienemannimyia group	L	I	1	Chan Epl 2013	imm	
Orthocladinae 08300000	L	I	1	Cranston 2013	imm	N
Eukiefferiella claripennis group	L	II	2	And + 3 2013		
Orthocladus (Orthocladus) oliveri	L	I	1	Bolton 2012		
Pentaneura incenspicua	L	I	1	"		
Microtendipes pedellus group	L	II	2	Epl et al 2013		

>3 taxa, TVAL ≤ 2.0

257 (0.1 x 171)

