

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name CEDAR CREEK		Waterbody ID Code 21300		Sample ID (YYYYMMDD-CY-FD) 20191010-67-01	
Sampling Location OS of Hillside Drive				Database Key 220742783	
SWIMS Station ID 10016204		SWIMS Station Name CEDAR CR. BR. - 15 FEET DOWNSTREAM HILLSIDE DR.			
Latitude 43.3784	Longitude -88.2462	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) MILWAUKEE RIVER		Watershed Name CEDAR CREEK		County WASHINGTON	
Sample and Site Descriptors					
Sample Collector (Last Name, First) CRAIG HELKER			Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRAT		
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) 1	Estimated Area Sampled (m²) 1		Number of Samples in Composite		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 type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: _____	
Water Temp. (C) 16.08	D.O. (mg/l) 9.39	D.O. (% sat.) 97.6	pH (su) -	Conductivity (umhos/cm) 543.9	Transparency (cm) 420
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 0.86 circle units m/s or f/s		Average Stream Depth of reach (m) .4		Average Stream Width of reach (m) 5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 20	
Sand: 20		Clay: _____		Gravel (ladybug to tennisball): 60	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (_____): _____		Overhanging Vegetation: _____		Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) 40			Canopy Cover at Sample Site (%) 60		

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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
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 Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 03/10/2020	Specimens Saved Subsample archived in ABL until Aug 2023	

E3:65 > 155 specs
 D3:90

Wisconsin Department of Natural Resources

ABL SampleNum: 20191010-67-01

Taxonomist: Dimick, Jeffrey

Waterbody: Cedar Creek
SWIMS Database Key: 220742783

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	I	1	Klub 2016		
Labidbaetis frontalis	L	I	1	"		
Stenacron	L	III	3	"	imm	
Argia	L	I-II	7	West May 2006	dam/imm	N
A. maesta	L	I	5	"		
Helocopsyche borealis	L	I-II	8	Hils 1995		
Hydropsyche betteri	L	I	1	Schm Hils 1986		
Limnephilidae	L	III	4	MerrLamm B 2019	imm	
Neureclipsis	L	II	2	"		
Hydroptila	L	I	1	"		
Optioservus	L	I	1	Hils Schm 1992	imm	
Stenelmis	L	0-III	38	"		N
S. crenata	A	I	1	"		
Psephenus herricki	L	2x	50	"		
Aemerodromia	L	I	1	MerrLamm B 2019		
Simulium <u>3 vittae</u>	P	I	1	Adl et al 2004		N
S. vittatum species complex 08110217	L	III	3	"		
Odonotermia	L	I	1	MerrLamm B 2019		
Cricotopus (Cricotopus) <u>C. cricopus group</u>	P	I	1	Coff et al 1986		Y
Mermithidae	A	II	2	Thorp Reg 2016	imm	
Nais bretscheri	A	I	1	Kath Brink 1998		
Tubificinae (without hairs)	A	II	2	Klemm 1985		Y
Branchiura sowerbyi	A	II	3	Kath Brink 1998		
Erythrodellidae	A	I	1	Thorp Reg 2016	dam	
Aspidium	A	I	1	"		
Physa	A	I	1	"		
split Az Chironomidae	L	x IIII VSD				
Rheotanytarsus	L	I	1	Epl et al 2013		
Stenochironomus	L	I	1	"		
Tanytarsus 08270000	L	I	1	Cranston 2013	imm	N
Conchapelasma 08270700	L	III	4	Cran Epl 2013		
Thienemannimyia group	L	II	2	"	imm	N
Cricotopus	L	I	1	And+3 2013		Y
C. (Cricotopus) bicinctus group	L	III	3	"		
Orthocladius (Orthocladius)	L	II	2	"		
Polypedilum (Unispedilum) flavum	L	I	1	Bolton 2012		
Stempellinella	L	II	2	Epl et al 2013		

<3 taxa, TVAL < 2.0

