

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name CEDAR CREEK	Waterbody ID Code 21300	Sample ID (YYYYMMDD-CY-FD) 20191010-67-02
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Sampling Location US of Pleasant Valley Rd.	Database Key 220742795
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SWIMS Station ID 673249	SWIMS Station Name CEDAR CREEK - 75 FT UPSTR OF PLEASANT VALLEY RD
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Latitude 43.3533	Longitude -88.2340	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) MILWAUKEE RIVER	Watershed Name CEDAR CREEK	County WASHINGTON
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Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG HELKER	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATA
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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) 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) 15.25	D.O. (mg/l) 7.10	D.O. (% sat.) 72.3	pH (su) -	Conductivity (umhos/cm) 542.8	Transparency (cm) +120
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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)
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Measured Velocity .62	circle units m/s or (f/s)	Average Stream Depth of reach (m) -5	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40
 Sand: 20 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 50

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 Kiersten Czarnecki	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 03/11/2020	Specimens Saved Subsample archived in ABL until Aug 2023	

CI: 269

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna pygmaea</i>	L	iiii		Klub 2016		
<i>Labiobaetis frondalis</i>	L	i		"		
<i>Ismaeon anoka</i>	L	i		"		
<i>Caenis punctata</i>	L	iii		"		
Heptageniidae	L	i		"	dam	N
<i>Stenacron</i>	L	♂ _{imm}		"	imm	
<i>Nelocopsyche borealis</i>	L	iiii		Wrls 1995		
<i>Ceratopsyche bronta</i>	L	ii		Schmittils 1986		
<i>Cnematopsyche</i>	L	801		MerrLumm B 2019		
<i>Hydropsyche betterii</i>	L	i		Schmittils 1986		
<i>Oecetis</i>	L	ii		MerrLumm B 2019		
<i>Triacnodes</i>	L	i		"		
<i>Hydrophila</i>	L	i		"		
<i>Elophila</i>	L	i		"		
<i>Dubiraphia</i>	L	-iv		Hilschm 1992		
<i>Optioservus</i>	L	i		"	imm	
<i>Stenelmis</i>	L	xii		"		N
<i>S. crenata</i>	A	i		"		
<i>Haliphus</i>	L	i		MerrLumm B 2019		
<i>Simulium</i> Silt SC	P	iii		Adl et al 2004		N
<i>S. vittatum</i> species complex 08110217	L	01		"		
<i>Odontomyia</i>	L	i		MerrLumm B 2019		
<i>Hyalella spinicauda</i>	A	iii		Soucek et al 2015		
<i>Caecidotea intermedia</i>	A	8ii		Will 1972		
Harpacticorda	A	i		Thorp Reg 2016		
<i>Lebertia</i>	A	i		Pluchino 1984		
Dugesiiidae	A	xi		Thorp Reg 2016		
Maididae	A	i		Brinck 1991		
Tubificidae (without hairs)	A	iii		Klemm 1985		
Epebdellidae	A	iii		Thorp Reg 2016	dam	
<i>Cricotopus</i>	P	i		MerrLumm B 2019		
split to Chironomidae	L	xiiii SD				
<i>Rheotanytarsus</i>	L	8ii	37	Epl et al 2013		
<i>Orthocladiinae</i> 08300000	L	i	1	Croston 2013	imm	N
<i>Cricotopus</i>	L	i	1	And+3 2013		
<i>Orthocladius (orthocladius)</i>	L	i	1	"		
<i>Paratendipes</i>	L	i	1	Epl et al 2013		

23 taxa, TVAL ≤ 2.0

