

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name GILMORE CREEK	Waterbody ID Code 1299800	Sample ID (YYYYMMDD-CY-FD) 20170919-57-01
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Sampling Location	Database Key 150519019
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SWIMS Station ID 10016838	SWIMS Station Name GILMORE CREEK - HWY. N
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Latitude 43.6882774	Longitude -89.8327796	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name DELL CREEK	County JUNEAU
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Sample and Site Descriptors

Sample Collector (Last Name, First) JEAN UNMUTH	Project Name DELL CREEK BMP EVALUATION TWA 2017
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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) 40	Estimated Area Sampled (m²) 3.0	Number of Samples in Composite 0	Replicate No. _____ of _____
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Reason for Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: TWA

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color	Estimated Stream Velocity (m/s)
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) 0.30	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 10
 Aquatic Macrophytes: 40 Leaf Snags: 25 Coarse Woody Debris: 25 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** 10

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Cadie Olson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 4/16/18	Specimens Saved Subsample archived in MBL until Jul 2021	

C3: 70
 D1: 70
 C1: 44

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	x	10	Kubertanz 2016		
<i>Maccaffertium</i> <i>M. lutum/vivax</i>	L	xiii	13	"	imm	
<i>Aeshna interrupta</i>	L	i	1	Nord et al 2000		
<i>Calopteryx</i>	L	i	1	West, May 1996	imm	N
<i>C. maculata</i>	L	iiii	4	"		
<i>Brachycentrus occidentalis</i>	L	i	1	Hilsehoff 1985		
<i>Hydropsyche betteni</i>	L	-	5	Schm. Dis. 1986		
<i>Lepidostoma</i>	L	iiii	4	Hilsehoff 1985		
Limnephilidae	L	ii	2	"	imm	N
<i>Pycnopsyche</i>	L	i	1	"		
<i>Philostomis</i>	L	iii	3	"		
<i>Simulium tuberosum</i> species complex	L	i	1	Adler et al 2004		
<i>S. venustum</i> species complex	L	8-1	36	"		
<i>S. vittatum</i> species complex 0810207	L	-1	6	"		
<i>Simulium</i>	P	iii	3	"		N
<i>Parametriocnemus</i>	P	i	1	Ferr. et al. 2008		
<i>Tritenia</i>	P	i	1	"		N
<i>Polypedilum</i>	P	i	1	"		
<i>Gammarus pseudolimnaeus</i>	A	8-iii	48	Nelinger 1972		
<i>Caecidotea intermedia</i>	A	x-iiii	19	Williams 1972		
<i>Belostomatidae</i>	A	i	1	Hilsehoff 1986		
<i>Physa</i>	A	-ii	7	Brown 1991		
<i>Pisidium</i>	A	i	1	Burch 1972		
<i>Tritena bavarica</i> group	L	x	5	Bode 1983		
<i>Rheotanytarsus</i>	L	xiii	13	Epler et al 2013		
<i>Thicremanniomyia</i> group	L	i	1	Can. Epler 2013	imm	
<i>Orthocladinae</i> 0830000	L	i	1	Cranston 2013	imm	N
<i>Brillia flavifrons</i>	L	i	1	Epler 2001		
<i>Eukiefferiella daniellensis</i> group	L	-1	6	Anderson 2013		
<i>Nannodotus</i>	L	i	1	"		

23 taxa, TVALE 2.0