

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LYNDON CREEK		Waterbody ID Code 1300700	Sample ID (YYYYMMDD-CY-FD) 20170919-29-01
Sampling Location			Database Key 150518946
SWIMS Station ID 10048839		SWIMS Station Name LYNDON CR. US WRIGHT ST	
Latitude 43.7137844	Longitude -89.8947416	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name DELL CREEK	County JUNEAU

Sample and Site Descriptors	
Sample Collector (Last Name, First) JEAN UNMUTH	Project Name DELL CREEK BMP EVALUATION TWA 2017

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) 4.0	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) 0.20	Average Stream Width of reach (m) 1.8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: 10 Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%): 10 Canopy Cover at Sample Site (%): 80

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		
- Filamentous Algae	U		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	U	
Physical			Point Source - Specify:	N	
Bank Erosion	N		Pasturing of Livestock	N	
Channelization: - Upstream	N		Runoff: - Barnyard	N	
- Downstream	N		- Construction	N	
Hydraulic Scour / Channel Incision	N		- Cropland	N	
Impoundment: - Upstream	N		- Urban	N	
- Downstream	N		Septic Systems		
Low Flow	N		Tile Drainage - Organic Soils	N	
Sedimentation	U		- Mineral Soils	N	
Sludge	N		Springs		
Thermal	N		Tributary(s)		
Turbidity	N		Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Justin Kowalski	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 4/13/18	Specimens Saved Subsample archived in ABC control Jul 2021	

D2 AI C2 B2
 59 42 42

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicollis	L	III	5	Kluge & Benzen 2006		
Maccaffertium <u>luteiparvum</u>	L	II	2	"	imm	
Brachycentrus occidentalis	L	x-1	16	Hilberhoff 1985		
Hydropsyche beeteni	L	II	2	Schm. Hils. 1986		
Ceratocera	L	II	2	Hilberhoff 1985		
Hydropsyche	L	I	1	"	imm	N
Limnephilus	L	II	2	"		
Pycnopsyche	L	III	3	"		
Phlebotomus	L	I	1	"		
Lype diversa	L	I	1	"		
Optiosevus	L	-III	9	Saath, Hub, Schm. 1992	imm	N
O. fastidius	L	x-III	18	"		
Ilydiopsis seriatum	A	I	1	Hilberhoff 1985c		
Coleoptera	P	I	1	Cross, Daly 2008		N
Neoplasta	L	I	1	Coat, Merr 2008		
Simulium tuberosum species complex	L	x	10	Adleretal 2004		
Simulium <u>S. tuberosum</u>	P	III	3	"		N
Tipula	L	-II	7	Hilberhoff 1985		
Parametriacnemus	P	III	4	Ferr. et al. 2008		
Amphipoda						
Gammarus pseudolimnaeus	A	8x1	55	Holsinger 1972		
Naidinae	A	-II	7	Ersev, Gost. 2002		
Metagynophora	A	III	3	Brink, Gild. 1991		
Physa	A	I	1	Brown 1991		
Pisidium	A	I	1	Burch 1972		
Split 13 chironomidae	L	II-III				
Diamesa	L	I	1	Saath, Ander 2013		
Parachaetocladius	L	I	1	Ander + 3 2013		
Parametriacnemus	L	III	3	"		N
Tetania sp bavaria group	L	-II	7	Bode 1983		
Orthocladius (Orthocladius)	L	I	1	Ander + 3 2013		
D. (Symposiodcladius) tynicola	L	I	1	"		
Chironominae 08330000	L	II	2	Cranston 2013	mt, imdet/imm	Y
Zootanytarsus	L	-	5	Epler et al 2013		