

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> SPRING BROOK	<b>Waterbody ID Code</b> 1295600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20170920-57-03
---------------------------------------	-------------------------------------	---

<b>Sampling Location</b>	<b>Database Key</b> 150534398
--------------------------	----------------------------------

<b>SWIMS Station ID</b> 10009968	<b>SWIMS Station Name</b> SPRING BROOK - SPRING BROOK; 64 METERS UPSTREAM FROM HIGHWAY 12 CU
-------------------------------------	---

<b>Latitude</b> 43.5923	<b>Longitude</b> -89.79472	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
----------------------------	-------------------------------	---	--

<b>Basin (WMU)</b> LOWER WISCONSIN	<b>Watershed Name</b> DELL CREEK	<b>County</b> SAUK
---------------------------------------	-------------------------------------	-----------------------

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> JEAN UNMUTH	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 6.0	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 5.0	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
---	--	---------------------------------------	-------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
------------------------	--------------------	----------------------	----------------	--------------------------------	--------------------------

<b>Water Color</b>	<b>Estimated Stream Velocity (m/s)</b>
<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)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.20	<b>Average Stream Width of reach (m)</b> 5.0
--	--	---

**Composition of Substrate Sampled (Percent):**

Bedrock: 10     Boulders (basketball or larger): \_\_\_\_\_     Rubble (tennisball to basketball): 50     Gravel (ladybug to tennisball): 10  
 Sand: \_\_\_\_\_     Clay: \_\_\_\_\_     Silt/Muck: \_\_\_\_\_     Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_     Leaf Snags: \_\_\_\_\_     Coarse Woody Debris: 20     Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 20     **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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae		PH		Dissolved Oxygen		N	N
- Planktonic Algae		PH		Nutrients (P, N...)		N	N
Iron Bacteria		N		Toxics: - Inorganic (Metals)		PH	PH
Macrophytes		N		- Organic (PCBs, pesticides...)			
Slimes		N		Other - Specify: <i>oil, gas</i>		PH	PH
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		N	
				Point Source - Specify:		N	
				Pasturing of Livestock		N	
				Runoff: - Barnyard		N	
				- Construction		PH	PH
				- Cropland		N	
				- Urban		PH	PH
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Justin Kowalski</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>47%</i>
Date Processed <i>4/20</i>	Specimens Saved <i>Subsample archived in NBL until Jul 2021</i>	

B1 B3 E1 D3 C1 E2 D2 C2 A3 A2 B3 D2  
 9 24 12 28 35 42  
 73

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<sup>1/1</sup> <i>Baetis tricaudatus</i>	L	I	1	Kubertanz 2016		
<i>Stenocranus interpunctatum</i>	L	III	4	"		
<i>Calopteryx maculata</i>	L	III	3	West, May 1996		
<i>Chamaepsyche</i>	L	II-III	29	Hilsenhoff 1985		
<i>Hydropsyche</i>	L	I	1	"	imm	N
<i>N. betteni</i>	L	III	4	Schmitts, 1986		
<i>Hydropsychidae</i>	L	I	1	Hilsenhoff 1985	imm	N
<sup>3/4</sup> <i>Nigronia serricornis</i>	L	IV	3	Newman 1966		
<i>Matronychus glabratus</i> L, 1 A, 4	L, A	-	5	Hill, Schm 1992		
<i>Atherix</i>	P	I	1	McG. Webb 2008		
<i>Bezzia / Palpomyia</i>	L	III	3	Hilsenhoff 1985		
<i>Nemerodromia</i>	L	III	3	Court, West 2000		
<i>Simulium venustum</i> species complex	L	II	2	Asler et al 2004		
<i>S. vittatum</i> species complex 08110217	L	I	1	"		
<i>Simulium</i>	P	I	1	"		N
<i>Anocha</i>	L	II	2	Hilsenhoff 1985		
<i>Tipula</i>	L	II	7	"		
<i>Parametriocnemus</i>	P	II	2	Ferr. et al. 2008		
<i>Caecidotea racovitzai racovitzai</i>	A	XIII	13	Williams 1972		
<i>Sperchonopsis</i>	A	I	1	Pulichino 1984		
<i>Physa</i>	A	I	1	Brown 1991		
<del><i>Salix</i> <i>Chironomidae</i></del>	<del>L</del>	<del>III</del>	<del>JJD</del>			
<i>Tanyptera</i> 08270000	L	II	2+JJD	Cranston 2013	imm	N
<i>Conchapelopia</i>	L	II	2	Cran. Epler 2013		
<i>Thienemannimyia</i> group	L	III	4	"	imm	Y
<i>Brillia</i>	L	I	1	Ander + 3 2013	imm	
<i>Comptosia</i>	L	-	5	"		
<i>Parakiefferiella</i>	L	-I	6	"		
<i>Parametriocnemus</i>	L	III	3	"		N
<i>Tretania hawaiiensis</i> group	L	X-III	17	Bo de 1983		
<i>Chironominae</i> 08330000	L	III	3	Cranston 2013	imm	N
<i>Polypedium (Tropodora) scalanum</i> group	L	I	1	Bo Han 2012		
<i>P. (Urosipedium) aviceps</i>	L	B-	45	"		
<i>Rheotanytarsus</i>	L	III	4	Epler et al 2013		
<i>Tanytarsus</i>	L	I	1	"		

<3 taxa, TVAL ≤ 2.0