

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> TRACY CREEK	<b>Waterbody ID Code</b> 1300900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20170919-29-02
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<b>Sampling Location</b>	<b>Database Key</b> 150518958
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<b>SWIMS Station ID</b> 10048568	<b>SWIMS Station Name</b> TRACY CREEK US STH 12
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<b>Latitude</b> 43.7130276	<b>Longitude</b> -89.9205206	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER WISCONSIN	<b>Watershed Name</b> DELL CREEK	<b>County</b> JUNEAU
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**Sample and Site Descriptors**

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

<b>Total Sampling Time (min)</b> 4.0	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3.0	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<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>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.30	<b>Average Stream Width of reach (m)</b> 3.8
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** 30    
**Canopy Cover at Sample Site (%)** 90

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Sam Camarache	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 4/14/18	Specimens Saved Subsample archived in ABL until Jul 2021	

CZ B1 E2 A2 D1  
 42 35 26 44

149 total

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicollis	L	-	5	Kluber et al 2016		
Brachycentrus occidentalis	L	88-1	76	Hilsenhoff 1985		
Hydropsyche	L	I	1	Hilsenhoff 1985	imm	N
H. boettgeri	L	II	2	Schm., Hils. 1986		
Lepidostoma	L	II	2	Hilsenhoff 1985		
Hydatophylax argus	L	I	1	"		
Limnephilus	L	-II	7	"		
Phycaneidae	L	I	1	"	imm	
Sialis	L	I	1	"		
Optrosenus	L	II	2	Hils., Schm. 1992	imm	N
O. fastiditus	LA	L, 4 A, 1	5	"		
Neoplasta	L	I	1	Leuth. Meier 2008		
Ephydriidae	P	-II	7	Meier, Webb 2008		
Simulium tuberosum species complex	L	III	4	Adler et al 2004		
Simulium	P	-III	8	"		N
Corynoneura	P	I	1	Ferr. et al. 2008		
Limnophyes	P	I	1	"		
Orthocladius (Orthocladius)	P	I	1	Leuth. et al. 2008		
Ammanus pseudolimnaeus	A	0-1	26	Holsinger 1972		
Tropidichneumon	A	I	1	Thompson & Rogers 2016	imm	
Naididae	A	I	1	Ersev. Gust. 2002		
tubificoid Naididae w/o hair chaetae	A	II	2	Ersev. et al 2008		
Lumbricolidae	A	I	1	Brin, Geld. 1991		
Physa	A	X	10	Brown 1991		
<del>Split A3 Chironomidae</del>	<del>L</del>	<del>I-III</del>				
Brillia	L	II	2	Andert 2013	mt-ndet imm	N
B. flavifrons	L	-	5	Epler 2001		
Corynoneura	L	III	3	Andert 2013		N
Eukiefferiella	L	I	1	"	mt-ndet	N
Eu. clausenii group	L	I	1	"		
Smittia	L	I	1	"		
Tretenia bavaria group	L	II	2	Bode 1983		
Polypedilum	L	I	1	Epler et al 2013	imm	