

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED	Waterbody ID Code 3000211	Sample ID (YYYYMMDD-CY-FD) 20171010-31-07
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Sampling Location	Database Key 149675620
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SWIMS Station ID 10030304	SWIMS Station Name UNNAMED TRIBUTARY TO EAST TWIN RIVER AT HRABIK ROAD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) TWIN - DOOR - KEWAUNEE	Watershed Name EAST TWIN RIVER	County KEWAUNEE
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARY GANSBERG	Project Name EAST TWIN RIVER 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) 5	Estimated Area Sampled (m²) 2.3	Number of Samples in Composite 1	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) 15.1	D.O. (mg/l) 9.5	D.O. (% sat.) 93.5	pH (su) 8.6	Conductivity (umhos/cm) 2350	Transparency (cm)
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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 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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.25	Average Stream Width of reach (m) 2.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 40

Sand: 10 Clay: _____ Silt/Muck: _____ 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		Local	Water-shed	Factors that may be influencing Water Resource Integrity		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:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Cadie Olson</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>10/23/17</i>	Specimens Saved <i>subsample archived in ABL until Dec 2020</i>	

B3: 62
E1: 82
= 144

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	I	1	Hilsenhoff 1995	imm	
Calopterygidae	L	II	2	West, May 1996	imm	N
Calopteryx	L	I	1	"	imm	
Chironomus (Syche)	L	III	3	Hilsenhoff 1995		
Hydropsyche	L	-I	6	"	imm	N
H. beltzeni	L	III	37	Schm, Hils. 1986		
Dubiraphia	L	I	1	Hils, Schm. 1992		
Optioseius	L	XI	11	"	imm	N
D. fastiditus	L	A - III	9	"		
Stenelmis	L	I	1	"		
Heterodromia	L	-	5	Court, Merr. 2008		
Simulium fibroflatum	L	II	2	Adler et al 2004		
Simulium (S. fibroflatum)	P	I	1	"		N
S. jenningsi species group	L	XI	11	"		
Antocha	L	I	1	Hilsenhoff 1995		
Tipula	L	I	1	"		
Gammarus pseudolimnoides	A	X-	15	Holsinger 1972		
Caccidotea intermedia	A	-I	6	Williams 1972		
Sperothrips	A	I	1	Pluchino 1984		
Maidinae	A	III	23	Braun, Geld. 1991		
Physella	A	I	1	Brown 1991		
Split A's Chironomidae	L	XI				
Taenia	P	I	1	Fern et al. 2008		N
Conchoclella	L	II	2	Craig, Epler 2013		
Mempelonia	L	I	1	"		
Orthocladinae	L	I	1	Craighan 2013	not indet	N
Brillia	L	II	2	Adler + 3 2013	not indet/imm	
Comptosia	L	II	2	"		
Parakiefferella	L	I	1	"		
Parametriocheilus	L	-I	6	"		
Taenia bavaria group	L	III	4	Bode 1983		
Orthocladus (Orthocladus)	L	III	3	Adler + 3 2013		
Polyptilum	L	I	1	Epler et al 2013	dam	Y
P. (Uresipodilum)	L	I	1	"		
Rheotanytarsus	L	XIII	14	"		