

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name EAST TWIN RIVER	Waterbody ID Code 84000	Sample ID (YYYYMMDD-CY-FD) 20171012-31-09
Sampling Location		Database Key 149676010

SWIMS Station ID 10030630	SWIMS Station Name EAST TWIN RIVER AT KROK ROAD		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Datum Used if using GPS WGS84 or NAD83			
Basin (WMU) TWIN - DOOR - KEWAUNEE	Watershed Name EAST TWIN RIVER	County KEWAUNEE	

Sample and Site Descriptors	
Sample Collector (Last Name, First) MARY GANSBERG	Project Name EAST TWIN RIVER 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) 1	Estimated Area Sampled (m ²) 1.0	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) 12.5	D.O. (mg/l) 9.6	D.O. (% sat.) 90.6	pH (su) 8.3	Conductivity (umhos/cm) 1357	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) 0.41	Average Stream Width of reach (m) 4.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 70
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 50 Canopy Cover at Sample Site (%) 30

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			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>10/23</i>	Specimens Saved <i>subsample archived in ASL until Dec 2020</i>	

A1=328

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoperla	L	1	1	Hilsenhoff 1995	imm	
141 Taeniopteryx	L		4	"	imm	
26 G. glossosoma	L	1	1	"	imm	N
G. intermedium	L	1	1	Wyner, Morse 2000		
Chromatopsyche	L	8-	39	Hilsenhoff 1995		
Hydropsyche	L	1	1	"	imm	N
H. behni	L	0	24	Schm., Hils. 1986		
Ceratopsyche glossosoma	L	0	20	"		
Limnephilidae	L		2	Hilsenhoff 1995	imm	
Oligoneurus	L	0-1	26	Hils. Schm. 1992	imm	N
O. fastidius L, 46 A, 16	L/A	8-	62	"		
Stenelmis	L		4	"		N
S. crenata	A		2	"		
Nemeroptromia	L		2	Court., Merr. 2008		
Simulium tuberosum species group	L	1	1	Ader, edal 2004		
S. vittatum species complex 08110217	L		2	"		
S. jenningsi species group	L		3	"		
Antocha	L	x	10	Hilsenhoff 1995		
Tipula	L		2	"		
Baetiscus pseudolimnæus	A		2	Hoblinger 1972		
Trichoptera	A		2	Kelasa 1991		
Naidinae	A	x-1	16	Brin, Geld. 1991		
Tubificinae w/ capilliform chaetae	A	1	1	Klemm 1985		
Spit A3 Chironomidae	L)				
Trotania	P	-1	6	Ferr. et al. 2008		N
Conchapelopia	L	1	1	Cran, Epler 2013		
Brillia	L	1	1	Ader + 3 2013	imm	N
B. flavifrons	L		2	Epler 2001		
Corynoneura	L	1	1	Ader + 3 2013		
Parametisacnemus	L		2	"		
Trotania bavarica group	L	0-	27	Bode 1983		
Cricotopus (Cricotopus) bicinctus group	L	1	5	Ader + 3 2013		
C. (C.) trifascia group	L	1	1	"		
Chironominae 08330000	L		3	Cranston 2013	mt. indet/imm	N
Cladotanytarsus	L	0	23	Epler et al 2013		
Micropeleca	L	-1	6	"		

<3 taxa, TVAL < 2.0

