

Instructions: Bold fields must be completed.

Station Summary				
Waterbody Name Unnamed Trib. to Devils		Waterbody ID Code 90000		Sample ID (YYYYMMDD-CY-FD) 20190918-36-03
Sampling Location US of Kvitek Road			Database Key 209711221	
SWIMS Station ID 10052963		SWIMS Station Name UNNAMED TRIBUTARY TO DEVILS RIVER UPSTREAM OF KVITEK 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 WEST TWIN RIVER		County MANITOWOC
Sample and Site Descriptors				
Sample Collector (Last Name, First) MARY GANSBERG			Project Name NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019	
Sampling Device				
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____				
Habitat Sampled				
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland				
Total Sampling Time (min) 1	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1		Replicate No. _____ of _____
Reason For Sampling				
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____				
Water Temp. (C) 17.8	D.O. (mg/l) 8.8	D.O. (% sat.) 91.9	pH (su) 8.0	Conductivity (umhos/cm) 663
Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <input 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) 0.1	Average Stream Width of reach (m) 6	
Composition of Substrate Sampled (Percent):				
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 80	Gravel (ladybug to tennisball): 10
Sand: 10	Clay: _____		Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____	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				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			
				Runoff: - Barnyard			
				- Construction			
				- Cropland			
				- Urban			
				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	Taxonomist	Estimated Percent of Sample Sorted
Coash, Natalie	Dimick, Jeffrey	13%
Date Processed	Specimens Saved	
11/18/2019	Subsample archived in ASL cabinet Aug 2023	

D2 - 114
 D3 - 111
 > (225)

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L III	III	3	KW 2016	dam/imm	N
B. brunneicolor	L III	III	3	"		
B. flavistriga species complex	L II	II	2	"		
Heptageniidae	L III	III	3	"	dam	N
Leucocrita	L III	III	28	"		
Maccaffertium	L I	I	5	"	imm	N
M. vicarium	L III	III	23	"		
Paracania angulata	L III	III	16	Hilton 1974		
Paragnetina micta	L I	I	1	Hils 1995		
Isoperla signata	L II	II	2	Hils 1982		
Glossosoma	L II	II	2	Hils 1995	imm	
Helicopsyche borealis	L III	III	3	"		
Ceratopsyche alhedra	L I	I	1	Schm Hils 1986		
C. glossonae	L II	II	2	"		
Cheumatopsyche	L I	I	5	Hils 1995		
Limnephilidae	L III	III	3	"	imm	
Chimarra	L III	III	4	"	imm	
C. aterrima	L I	I	1	Hils 1982		
Sialis	L I	I	1	Hils 1995		
Optiosevus	L III	III	37	Hils Sch 1992	imm	N
O. fastiditus	L III	III	21	"		
Stenelmis	L III	III	19	"		N
S. crenata	A II	II	2	"		
Atherix variegata	L III	III	12	Hils 1995		
Dicranota	L III	III	3	"		
Pericoma	L I	I	1	"		
Parakiefferiella	P I	I	1	MerrGumm B 2019		
Parametrioctenemus	P I	I	1	"		
Thienemannella	P I	I	1	"		
Tretenia	P III	III	3	"		N
Hypobates	A I	I	1	Alchind 1984		
Naididae	A I	I	1	Brn Gel 1991		
Urbicariidae (with hairs)	A II	II	2	Klemm 1985		
Pisidium	A III	III	4	Mackie 2007		
Parametrioctenemus	L I	I	1	And + 3 2013		N
Rheocricotopus	L I	I	1	"		
Tretenia bavarica group	L III	III	9	Bode 1983		

