

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name WEST TWIN RIVER		Waterbody ID Code 87000	Sample ID (YYYYMMDD-CY-FD) 20181003-36-27
Sampling Location			Database Key 168775526
SWIMS Station ID 10029482		SWIMS Station Name WEST TWIN RIVER AT CTH V	
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	
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) 10	Estimated Area Sampled (m ²) 50	Number of Samples in Composite 1	Replicate No. _____ of _____
Reason for Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: <u>TMDL</u>			
Water Temp. (C) 13.2	D.O. (mg/l) 9.0	D.O. (% sat.) 85.6	pH (su) 7.9
Conductivity (umhos/cm) 573		Transparency (cm)	
Water Color <input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> Fast (> 0.5 m/s)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.6	Average Stream Width of reach (m) 25	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 20
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) 30		Canopy Cover at Sample Site (%) 0	

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:		
Physical			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		81	Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Demick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>6/11/19</i>	Specimens Saved <i>129</i>	

D2-129

subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis intercalaris	L	1	1	Klob 2016		
B- flavistriga species complex	L	III	4	"		
Acerpenna pygmaea	L	III	4	"		
Caenis	L	1	1	"	imm	N
C. latipennis	L	1	1	"		
Stenonema	L	III	4	"	imm	N
S. interpunctatum	L	II	2	"		
Stenonema femoratum	L	I	1	"		
Heptageniidae	L	I	1	"	imm	N
Leucrocuta	L	III	3	"		
Tricorythodes	L	III	4	"		
Chumatopsyche	L	0 III	24	Hils 1995		
Hydropsyche	L	I	1	"	imm	N
H. cuanis	L	I	1	Schm Hils 1986		
Polycentropus	L	I	1	Hils 1995		
Dubiraphia	L	I	1	Hils Schm 1992		
Stenelmis	L	I	1	"		
Simulium vittatum species complex	L	I	1	Adl et al 2004		
S. jenningsi species group	L	II	2	"	imm	
Macropelopia	P	I	1	Ferr et al 2008		
Corynoura	P	I	1	"		
Parakiefferiella	P	II	2	"		
Cricotopus (Cricotopus)	P	I	1	Carl et al 1986		N
Paratanytarsus	P	I	1	Ferr et al 2008		N
Gammarus pseudolimnaeus	A	III	3	Hils 1972		
Caecidotea	A	III	4	Will 1972	Imm/imm	
Naicinae	A	II	2	Barn Gell 1991		
Tubificinae (without hairs)	A	III	3	Kbaum 1985		
Pisidium	A	I	1	Maekre 2007		
Sphaerium	A	I	1	"		
Spitzia Chironomidae	L	0 III				
Spitz Azn Chironomidae	L	0 III				
Cryptochironomus	L	I	1	Epl et al 2013		
Conchapelopia 08270700	L	II	2	Cran Epl 2013		
Thremmanniella xena	L	I	1	Bolton 2012		
Orthocladus (Orthocladus)	L	XII	12	Andt 3 2013		

< 3 taxa, TVAL ≤ 2.0

