

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name FRANCIS CREEK	Waterbody ID Code 87600	Sample ID (YYYYMMDD-CY-FD) 20181003-36-28
Sampling Location		Database Key 168775442

SWIMS Station ID 10009803	SWIMS Station Name FRANCIS CREEK - FRANCIS CREEK 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 WEST TWIN RIVER	County MANITOWOC
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARY GANSBERG	Project Name NE LAKESHORE TMDL SUPPLEMENTAL MONITORING
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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) 1	Estimated Area Sampled (m²) 1	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: TMDL

Water Temp. (C) 14.1	D.O. (mg/l) 89.8	D.O. (% sat.) 95.1	pH (su) 8.1	Conductivity (umhos/cm) 732	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 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 (%) 20
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			
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	Taxonomist	Estimated Percent of Sample Sorted
Kyla Wilcox	Dimick Jeffrey	20%
Date Processed	Specimens Saved	
6/12/19	179	

A2 = 58 E2 = 61
 E3 = 60
 (179)

Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L	11	3	Hils 1995		
<i>Isonerita</i>	L	1	1	"	imm	N
<i>I. signata</i>	L	1	1	Hils 1982		
<i>Taeniopteryx</i>	L	1	1	Hils 1995	imm	
Perticidae	L	1	1	"	imm	N
<i>Baetis flavistriga</i> species complex	L	-	5	Klub 2016		
<i>Diphetera hageni</i>	L	111	3	"		
<i>Glossosoma</i>	L	11	2	Hils 1995	imm	
Heptageniidae	L	1	1	Klub 2016	imm	N
<i>Leucocuta</i>	L	0111	24	"		
<i>Maccaffertium</i>	L	1	1	"	imm	N
<i>M. vicarium</i>	L	8111	48	"		
Hydropsychidae	L	1	1	Hils 1995	imm	N
<i>Cheumatopsyche</i>	L	11	2	"		
<i>Hydropsyche betteni</i>	L	11	2	Schm Hils 1986		
<i>Ceratopsyche</i>	L	111	3	Hils 1995	imm	N
<i>C. albedra</i>	L	1	1	Schm Hils 1986		
<i>C. glossanae</i>	L	-11	7	"		
<i>Chimarra</i>	L	1111	4	Hils 1995	imm	N
<i>Ch. atremma</i>	L	-1	6	Hils 1982		
<i>Optiosevus</i>	L	01	25	Hils Schm 1992	imm	N
<i>O. fastidius</i> * L, 10 A, 3	L, A	x111	13	"		
<i>Stenelmis crenata</i>	A	11	2	"		
<i>Atherix variegata</i>	L	1	1	Hils 1995		
<i>Simulium jenningsi</i> species group	L	1	1	Adl et al 2004	imm	
<i>Antocha</i>	L	111	34110	Hils 1995		
<i>Dicranota</i>	L	1	1	"		
<i>Tipula</i>	L	1	1	"		
<i>Tvetenia</i>	P	1	1	Fer et al 2008		N
<i>Baetiscus pseudolimnaeus</i>	A	-1	6	Hils 1972		
<i>Caecidotea intermedia</i>	A	111	3	Will 1972		
Naididae	A	111	3	Brin Geld 1991		
Tubificinae (without hairs)	A	1	1	Klemm 1985		Y
Tubificinae (with hairs)	A	1	1	"		Y
Aplic 1, 2 Chironomidae	L	1111	211			
<i>Diamesa</i>	L	1	1	Saeth And 2013		

