

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SAWMILL CREEK	Waterbody ID Code 906000	Sample ID (YYYYMMDD-CY-FD) 20181022-33-02
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Sampling Location

3 m upstream of STH 78	Database Key 170070443
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SWIMS Station ID

10012081

SWIMS Station Name

SAWMILL CREEK - UPSTREAM OF STH 78

Latitude

42.76256

Longitude

89.85901

Lat/Long Determination Method (circle)

SWIMS SWDV GPS

Datum Used if using GPS

WGS84 or NAD83

Basin (WMU)

SUGAR - PECATONICA

Watershed Name

LOWER EAST BRANCH PECATONICA RIVER

County

LAFAYETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)

AMRHEIN, JAMES

Project Name

SAWMILL AND ERICKSON CREEKS TWA - 2018

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)

2

Estimated Area Sampled (m²)

2

Number of Samples in Composite

1

Replicate No. _____ of _____

Reason For Sampling

☐ Least Impacted Reference

☒ Baseline

☐ Impact / Treatment Site

☐ Control Site

☐ Trend

Other: _____

Water Temp. (C)

8.2

D.O. (mg/l)

-

D.O. (% sat.)

-

pH (su)

-

Conductivity (umhos/cm)

608

Transparency (cm)

Water Color

☒ Clear

☐ Turbid

☐ Stained

Estimated Stream Velocity (m/s)

☐ Slow

(< 0.15 m/s)

☒ Moderate

(0.15 m/s - 0.5 m/s)

☐ Fast

(> 0.5 m/s)

Measured Velocity

circle units

m/s or f/s

Average Stream Depth of reach (m)

Average Stream Width of reach (m)

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 0 Canopy Cover at Sample Site (%) 40

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					
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

$2A = 40$
 $2D = 24$
 64
 $1D = 7$
 $3B = 30$
 $2C = 26$
 $Total = 127$

For Lab Use Only

Sample Sorter <i>Murphy Steinhilber</i>	Taxonomist <i>Dimick Jeffery</i>	Estimated Percent of Sample Sorted <i>35%</i>
Date Processed <i>4/10/2019</i>	Specimens Saved <i>Sub sample archived in ABL until Jun 2022</i>	

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/1	Taeniopteryx	L	1	1	Hils 1995	imm	
	Baetis brunneicolar	L	-III	9	Kib 2016		
2/2	St. Callibaetis	L	1	1	"		
	Stenacron	L	-III	9	"	imm	N
	S. inter punctatum	L	-1	6	"		
	Leptophlebia	L	1	1	"	imm	
3/2	Brachycentrus numerosus	L	1	1	Hils 1985		
	Hydropsychidae	L	1	1	Hils 1995	dam	N
	Chumatopsyche	L	xII	13	"		
	Hydropsyche betteni	L	x	10	Schm Hils 1986		
3/1	Ceratopsyche stessoni	L	III	3	"		
	C. sparna	L	-	5	"		
	Macromyctus glabratus	L	III	4	Hils Schm 1992		
	Androsynus	L	xIII	15	"	imm	N
	O-fasciatus L. 4 A.1	L/A	-	5	"		
	Stenelmis crenata	A	"	2	"		
4/0	Atherix variegata	L	III	3	Hils 1995		
	Simulium vittatum species complex 08110217	L	1	1	Adl et al 2004		
	Antocha	L	1	1	Hils 1995		
	Tipula	L	1	1	"		
	Ocontomyia	L	1	1	"		
	Gammarus pseudolimnaeus	A	xIII	19	Hils 1972		
	Hydrobates	A	1	1	Pivch 1984		
	Dufesiidae	A	1	1	Thorp Rog 2016		
	Nauidinae	A	1	1	Born Gold 1981		
	Tubificinae (without hairs)	A	"	2	Klemm 1985		
	Megadrili = Metagynophora	A	1	1	Thorp, Rog 2016		
	Stenochironomus	L	1	1	Epl et al 2013		
	Chironomidae 08250000	L	1	1	Court Mer 2008	int med	Y
	Thremamimya group	L	1	1	Cran Epl 2013	imm	
	Parametrocnemus	L	-	5	And + 3 2013		
	Tvetenia hawaiiensis group	L	"	2	Bode 1983		
	Polypetillum (Polypetillum) illinoense group	L	1	1	Bolton 2012		
	P. (Uresipetillum)	L	1	1	Epl et al 2013	imm	N
	P. (U.) aviceps	L	1	1	Bolton 2012		
	Rhyacophila tarsus	L	"	2	Epl et al 2013		

> 3 taxa, TVAL ≤ 2.0

10 < (0.1 x 114)