

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name KILLSNAKE RIVER, UNNAMED	Waterbody ID Code 78200, 5556644	Sample ID (YYYYMMDD-CY-FD) 20181002-08-23
Sampling Location		Database Key 168775454

SWIMS Station ID 10041028	SWIMS Station Name KILLSNAKE RIVER AT CTH E		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MANITOWOC		Watershed Name SOUTH BRANCH MANITOWOC RIVER	County CALUMET

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) 0.2	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) 11.2	D.O. (mg/l) 8.6	D.O. (% sat.) 78.8	pH (su) 7.9	Conductivity (umhos/cm) 687	Transparency (cm)
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 9.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 90	Gravel (ladybug to tennisball): 10
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 (%) 20
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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			Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	<i>Kayla Wilcox</i>	Taxonomist	<i>Dimick, Jeffery</i>	Estimated Percent of Sample Sorted	<i>20%</i>
Date Processed	<i>6/10/19</i>	Specimens Saved	<i>131</i>		

B2 = 36
E3 = 36
A1 = 65

20%

(131)

Subsample archived in BSL unit 1 Aug 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181002-08-23

Taxonomist: Dimick, Jeffrey

Waterbody: Killsnake River
SWIMS Database Key: 168775454

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	II	2	Kleb 2016		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Acanthopneuste pygmaea</i>	L	I	5	"		
<i>C. caenis</i>	L	III	3	"	imm	N
<i>C. latipennis</i>	L	I	1	"		
<i>Hydropsychidae</i>	L	I	1	"	2mm	N
<i>Stenocranus</i>	L	(II)	3	"	imm	
<i>Stenonema remarium</i>	L	I	1	"		
<i>Leucocrota</i>	L	III	5	"		
<i>Maccaffertium medipunctatum</i>	L	-II	7	"		
<i>Idolopsycha borealis</i>	L	I	1	Hils 1995		
<i>Hydropsychidae</i>	L	I	1	"	imm	N
<i>Chematosycha</i>	L	x-I	16	"		
<i>Hydropsycha betteni</i>	L	III	3	Schm Hils 1986		
<i>Ceratopsycha</i>	L	I	1	Hils 1995	imm	N
<i>C. bronza</i>	L	-III	8	Schm Hils 1986		
<i>Chimarra alternans</i>	L	I	1	Hils 1982		
<i>Psychomyia flavida</i>	L	I	1	Hils 1995		
<i>Dubiraphia</i>	L	I	1	Hils Schm 1992		
<i>Opiroserus</i>	L	-III	9	"	imm	N
<i>O. fastidius</i>	L	-III	8	"		
<i>Stenelmis</i>	L	x-II	17	"		N
<i>S. crenata</i>	A	III	4	"		
<i>Hemerodromia</i>	L	I	1	Gent Merri 2008		
<i>Cacaidotea</i>	A	I	1	Will 1972	imm	
<i>Naidinae</i>	A	III	4	Banck 1991		
<i>Tubificinae</i> (without hairs)	A	I	1	Klemm 1985		
<i>Pisidium</i>	A	II	2			
<i>Sp. A2 Chironomidae</i>	L	x-II	11			
<i>Microtendipes pediculus</i> group	L	x-III	22	Epl et al 2013		
<i>Chironomus tentans</i>	L	II	2	"		
<i>Polypedium</i> (Triptura) <i>scalenum</i> group	L	III	3	Bolton 2012		
<i>P. (Unresipedium) flavum</i>	L	III	4	"		
<i>Chironomus tentans</i>	L	I	1	Epl et al 2013		