

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <u>Unnamed Tributary to Black Creek</u>		Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD) 201910173125
Sampling Location <u>at CTH V</u>		Database Key 210341813	
SWIMS Station ID 10053012		SWIMS Station Name UNNAMED TRIBUTARY TO BLACK CREEK AT CTH V	
Latitude <u>44.41013</u>	Longitude <u>87.74496</u>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County <u>Kewaunee</u>

Sample and Site Descriptors	
Sample Collector (Last Name, First) MARY GANSBERG	Project Name NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019

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) <u>5</u>	Estimated Area Sampled (m ²) <u>1.5</u>	Number of Samples in Composite <u>1</u>	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) <u>7.5</u>	D.O. (mg/l) <u>5.7</u>	D.O. (% sat.) <u>47.3</u>	pH (su) <u>7.0</u>	Conductivity (umhos/cm) <u>541</u>	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)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) <u>1.5</u>	Average Stream Width of reach (m) <u>4</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 50
 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 (%) 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:			
				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

2B = 42
 2D = 52
 1D = 38
 Total = 132

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 3/8/2020	Specimens Saved Subsample archived in ABL until Aug 2023	

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenacron	L	1	1	Kluth 2016	imm	
Pterostomis	L	1	1	Hils 1995		
Oobryophia	L	"	2	Hils Schm 1992		
Simulium SvHSE	P	"	2	Adl et al 2004		N
S. vittatum species complex 08110217	L	1	1	"		
Cricotopus	P	1	1	Merrillum B 2019		
Belostoma flumineum	A	1	1	Hils 1984a		
Caecidotea intermedia	A	0	25	Will 1972		
Cydepidae	A	"	2	Thorp Reg 2016		
Thienemannella	P	1	1	Merrillum B 2019		N
Naidinae	A	1	1	Bronfeld 1991		
Tubificinae (with hairs)	A	1	1	Klemm 1985		Y
Tubificinae (without hairs)	A	III	3	"		Y
Pisidium	A	III	4	Mackie 2007		
Split Aza Chironomidae	L	Br 210				
Split Aeb Chironomidae	L	S+H 10				
Comynoneura	L	"	2	Andt 3 2013		
Chironomus	L	II	3	Epl et al 2013		
Cryptochironomus	L	I	1	"		
Dicortendipes	L	-1	6	"		
Microtendipes pedellus group	L	III	4	"		
Conchapelopia 08270700	L	x-III	19	Cran Epl 2013		
Thienemannimyia group	L	III	3	"	imm	N
Cricotopus	L	1	1	Andt 3 2013		N
Diplocladus	L	III	3	"		
Hydrobaenus	L	"	2	"		
Parametriocnemus	L	"	2	"		
Thienemannella xena	L	"	2	Bolton 2012		
Chironominae 08330000	L	1	1	Cranston 2013	mit indet	N
Micropsectra	L	0-1	26	Epl et al 2013		
Paratanytarsus	L	1	1	"	mit indet	N
P. species A	L	-1	6	Hils unpub		
P. species B	L	1	1	"		
Paratendipes	L	-II	7	Epl et al 2013		
Phaenopsectra	L	1	1	"	imm	N
Ph. punctipes group	L	1	1	Epler 2001	imm	
Polypedium (Polypedium) illinoense group	L	III	4	Bolton 2012		

<3 taxa, TVAL ≤ 2.0

