

Instructions: Bold fields must be completed.

Station Summary		
<b>Waterbody Name</b> BLACK CREEK	<b>Waterbody ID Code</b> 88300	<b>Sample ID (YYYYMMDD-CY-FD)</b> 201910173126
<b>Sampling Location</b> at CTH J		<b>Database Key</b> 210341817

<b>SWIMS Station ID</b> 10039159	<b>SWIMS Station Name</b> BLACK CREEK AT HWY J		
<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	
<b>Basin (WMU)</b> TWIN - DOOR - KEWAUNEE			<b>Watershed Name</b> WEST TWIN RIVER
<b>County</b> KEWAUNEE			<b>Datum Used if using GPS</b> WGS84 or NAD83

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> MARY GANSBERG	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b>	<b>Estimated Area Sampled (m<sup>2</sup>)</b>	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 8.0	<b>D.O. (mg/l)</b> 10.4	<b>D.O. (% sat.)</b> 87.9	<b>pH (su)</b> 7.8	<b>Conductivity (umhos/cm)</b> 584	<b>Transparency (cm)</b>
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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)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 1	<b>Average Stream Width of reach (m)</b> 5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 30  
 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

**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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				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

3D = 21

3B = 10

2B = 13

2C = 27

2E = 18

1D = 23

1E = 28

Total = 140

**For Lab Use Only**

Sample Sorter Murphy Steinhilber	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 47%
Date Processed 3/8/2020	Specimens Saved Subsample archived in ABC unit Aug 2023	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	1	1	Klub 2016		
<i>B. flavistriga</i> species complex	L	XI	11	"		
<i>Caenis</i>	L	1	1	"	imm	N
<i>C. latipennis</i>	L	1	1	"		
Heptageniidae	L	1	1	"	dam	N
<i>Maccaffertium</i>	L	III	3	"	imm	N
<i>M. vicarium</i>	L	8	30	"		
<i>Stenacron</i>	L	II	2	"	imm	N
<i>S. interpectatum</i>	L	L	1	"		
<i>Stenonema femoratum</i>	L	0-III	29	"		
<i>Ceratopsyche alhedra</i>	L	I	1	Schmittils 1986		
<i>Cheumatopsyche</i>	L	XVII	13	Hils 1995		
<i>Hydropsyche</i>	L	4	2	"	imm	N
<i>H. betteni</i>	L	1	1	Schmittils 1986		
Limnephilidae	L	III	3	Hils 1995	imm	N
<i>Pycnopsyche</i>	L	1	1	"		
<i>Psychomyia flavida</i>	L	1	1	"		
<i>Optioservus</i>	L	1	1	Hils Schmitt 1992	imm	N
<i>O. fastiditus</i>	L	-1	6	"		
<i>Stenelmis crenata</i>	A	1	1	"		
<i>Antocha</i>	L	-II	7	Hils 1995		
<i>Dicranota</i>	L	-1	6	"		
<i>Corynoneura</i>	P	1	1	Merr-Gunn B 2019		
<i>Orthocladius</i>	P	1	1	"		N
Enchytraeidae	A	1	1	Thorp Reg 2016		
<i>Pisidium</i>	A	1	1	Mackie 2007		
<del>Split Az Chironomidae</del>	L	XIV				
<i>Brillia</i>	L	1	1	And+3 2013	imm	
<i>Twelenia baranica</i> group	L	1	1	Bode 1983		
<i>Rhytanytarsus</i>	L	1	1	Epl et al 2013		
<i>Orthocladius</i> ( <i>Orthocladius</i> )	L	X	10	And+3 2013		
<i>Dicrotendipes</i>	L	1	1	Epl et al 2013		
<i>Paratanytarsus</i> species B	L	1	1	Hils comp 1		
<i>Polypedilum</i> ( <i>Urespedilum</i> ) <i>flavum</i>	L	III	4	Bolton 2012		