

**Instructions:** Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> KELLY BROOK		<b>Waterbody ID Code</b> 443800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191104-43-01
<b>Sampling Location</b> 40 m US of crossing			<b>Database Key</b> 210284880
<b>SWIMS Station ID</b> 10043308		<b>SWIMS Station Name</b> KELLY BROOK-JANIK RD	
<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> GREEN BAY		<b>Watershed Name</b> LITTLE RIVER	<b>County</b> OCONTO

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> ANDREW HUDAK	<b>Project Name</b> LITTLE RIVER TWA ASSESSMENT 2018, 2019
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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

<b>Total Sampling Time (min)</b> 3	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 6.4	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: Targeted Watershed Assessment

<b>Water Temp. (C)</b> 4.2	<b>D.O. (mg/l)</b> 11.3	<b>D.O. (% sat.)</b> 89.3	<b>pH (su)</b> 7.2	<b>Conductivity (umhos/cm)</b> 403	<b>Transparency (cm)</b> >122
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> .2	<b>Average Stream Width of reach (m)</b> 4
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 50  
 Sand: 50 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 50      **Canopy Cover at Sample Site (%)** 70

**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
<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

2A = 134

Total = 134

**For Lab Use Only**

Sample Sorter Murphy Steinhilber	Taxonomist Demick, Jeffrey	Estimated Percent of Sample Sorted 790
Date Processed 1/19/2020	Specimens Saved Subsample archived in ABL until Apr 2023	

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	I	1	Klich 2016		
<i>Maccaffertium</i>	L	IIII	9	"	imm	no, Y
<i>M. vicarium</i>	L	IIII	32	"		
<i>Stenacron</i>	L	II	2	"	imm	
<i>Leptophlebia</i>	L	III	3	"		
<i>Cheumatopsyche</i>	L	II	2	Hils 1995		
<i>Hydropsyche</i>	L	I	1	"	imm	
<i>Neophylax</i>	L	I	1	"	imm	
<i>Nisus serraticornis</i>	L	I	1	Neunzer 1966		
<i>Oligoneurus</i>	L	IIII	23	Hils Schum 1992	imm	N
<i>O. fastidiosus</i> L 3 A 1	L, A	III	4	"		
<i>O. trivittatus</i>	A	I	1	"		
<i>Nemoura</i>	L	II	7	Court Merr 2008		
<i>Chrysops</i>	L	II	2	Hils 1995		
<i>Limnephila</i>	L	I	1	"		
<i>Gammarus pseudolimnaeus</i>	A	I	6	Hols 1972		
<i>Lebertia</i>	A	I	1	Plehnig 1984		
<i>Tubificonae (w/ hairs)</i>	A	XIII	13	Klemm 1985		
<i>Sphaerium</i>	A	XIII	14	Mackie 2007		
<del><i>Split to Chironomidae</i></del>	<del>L</del>	<del>IIII</del>	<del>1</del>			
<i>Tanytarsus</i>	L	I	1	Cranston 2013		Y
<i>Metopelebia</i>	L	I	1	CranEpl 2013		
<i>Cochanelebia</i> 08270700	L	I	1	"		
<i>Orthodacnusa</i> 08300000	L	I	1	Cranston 2013	not indet	Y
<i>Thienemannella</i>	L	I	1	And+3 2013	imm	N
<i>Th. xena</i>	L	I	1	Bolton 2012		
<i>Chironomidae</i> 08330000	L	I	1	Cranston 2013		
<i>Cladotanytarsus</i>	L	XI	15	Epl et al 2013		
<i>Micropectra</i>	L	IIII	4	"		
<i>Polypedilum (Uresipedilum) aviceps</i>	L	I	1	Bolton 2012		
<i>Rheotanytarsus</i>	L	I	1	Epl et al 2013		
<i>Tanytarsus</i>	L	IIII	7	"		