

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name KELLY BROOK		Waterbody ID Code 443800		Sample ID (YYYYMMDD-CY-FD) 20191017-43-08	
Sampling Location 70 ft below bridge on CTH B				Database Key 210284876	
SWIMS Station ID 10020881		SWIMS Station Name KELLY BROOK-AT SPRUCE CTH B 70 FEET BELOW BRIDGE.			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) GREEN BAY		Watershed Name LITTLE RIVER		County OCONTO	
Sample and Site Descriptors					
Sample Collector (Last Name, First) ANDREW HUDAK			Project Name LITTLE RIVER TWA ASSESSMENT 2018, 2019		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle		<input type="checkbox"/> Run		<input type="checkbox"/> Pool	
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland	
Total Sampling Time (min) 3	Estimated Area Sampled (m²) 8		Number of Samples in Composite 1		Replicate No. _____ of _____
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: TWA	
Water Temp. (C) 8.0	D.O. (mg/l) 11.1	D.O. (% sat.) 93.9	pH (su) 7.8	Conductivity (umhos/cm) 298.7	Transparency (cm) 7120
Water Color			Estimated Stream Velocity (m/s)		
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained			<input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.2		Average Stream Width of reach (m) 12	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 60	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 10	
Sand: 10		Clay: _____		Silt/Muck: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (____): _____					
Embeddedness of Substrate at Sample Site (%) 30			Canopy Cover at Sample Site (%) 30		

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

IB = 84

3A = 58

Total = 142

For Lab Use Only

Sample Sorter Murphy Stohiser	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 1/19/2020	Specimens Saved Subsample archived in ABC until Apr 2023	

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Ephemerella invarra</i>	L	I	1	Klub 2016		
<i>E. subvarra</i>	L	0-11	27	"		
<i>Teloganopsis deficiens</i>	L	-III	8	"		
<i>Leucocarta</i>	L	-III	10	"		
<i>Maccaffertium</i>	L	X	10	"	imm	Y
<i>M. medipunctatum</i>	L	-I	6	"		
<i>M. vicarium</i>	L	III	4	"		
<i>Leptophlebia</i>	L	III	4	"	imm	
Perlidae	L	I	1	Hils 1995	imm	N
<i>Paragnetina media</i>	L	-	5	"		
<i>Isoperla signata</i>	L	III	4	Hils 1982		
<i>Taeniopteryx</i>	L	-I	6	Hils 1995	imm	N
<i>T. burksi</i>	L	I	1	Fillstew 1980		
<i>Ceratopsyche</i>	L	III	4	Hils 1995	imm	N
<i>C. alhedra</i>	L	I	1	Schm Hils 1986		
<i>C. boonta</i>	L	III	4	"		
<i>crematopsyche</i>	L	III	3	Hils 1995		
<i>Hydropsyche betteni</i>	L	II	2	Schm Hils 1986		
<i>Psychomyia flavida</i>	L	II	2	Hils 1995		
<i>Oligoneurus</i>	L	II	2	Hils Schm 1992	imm	N
<i>O. fastidius</i>	L, Z	A, I	3	"		
<i>Nemerochromia</i>	L	I	1	Cour Merri 2008		
<i>Chelifera</i>	L	II	2	"		
<i>Amelana</i>	L	II	2	Hils 1995		
Naididae	A	I	1	Brin Geld 1991		
<i>Spiliza Chironomidae</i>	L	III				
<i>Parametropneumus</i>	P	I	1	Ferr et al 2008		
<i>Conchapelopia</i> 08270700	L	III	3	Crom Epl 2013		
<i>Brillia</i>	L	III	3	And + 3 2013	mt, indet	
<i>Comptosia</i>	L	I	1	"		
<i>Cricotopus (Cricotopus) trifascia</i> group	L	II	2	"		
<i>Orthocladius (Orthocladius)</i>	L	III	4	"		
<i>Parametropneumus</i>	L	I	1	"		N
<i>Cladotanydarusus</i>	L	I	1	Epl et al 2013		
<i>Microsectra</i>	L	II	2	"		
<i>Microtendipes nyctaleis</i> group	L	I	1	"		
<i>Polydora (Tropidura) scaberrima</i> group	L	I	1	Bolton 2012		

