

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name KELLY BROOK		Waterbody ID Code 443800		Sample ID (YYYYMMDD-CY-FD) 20191017-43-07	
Sampling Location 163m US from Cty hwy A crossing				Database Key 210284801	
SWIMS Station ID 10016269		SWIMS Station Name KELLY BROOK - 163 M UPSTREAM FROM CTY HWY ACROSSING			
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) 6	Estimated Area Sampled (m²) 6	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: <u>TWA</u>	
Water Temp. (C) 8.0	D.O. (mg/l) 11.3	D.O. (% sat.) 95.6	pH (su) 7.9	Conductivity (umhos/cm) 305.8	Transparency (cm) 120
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) 1.0		Average Stream Width of reach (m) 12	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____	
Sand: <u>25</u>		Clay: _____		Gravel (ladybug to tennisball): <u>25</u>	
Aquatic Macrophytes: _____		Leaf Snags: <u>40</u>		Silt/Muck: _____	
Coarse Woody Debris: _____		Other (____): _____		Overhanging Vegetation: <u>10</u>	
Embeddedness of Substrate at Sample Site (%) <u>100</u>			Canopy Cover at Sample Site (%) <u>40</u>		

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			
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>Coash, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>1/17/20</i>	Specimens Saved <i>Subsample archived in ABL until Apr 2023</i>	

E2-79
A2-86
(165)

Wisconsin Department of Natural Resources

ABL SampleNum: 20191017-43-07

Taxonomist: Dimick, Jeffrey

Waterbody: Kelly Brook
SWIMS Database Key: 210284801

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis hammerhead</i>	L	1	1	Kuh 2016		
<i>Labiobaetis frondalis</i>	L	1	1	"		
<i>Ephemerella subvarra</i>	L	-	5	"		
<i>Telecanopsis deficiens</i>	L	1	1	"		
<i>Levinsella</i>	L	1	1	"		
<i>Maccaffertium</i>	L	-11	7	"	imm	Y
<i>M. medianipinatum</i>	L	xiiii	14	"		
<i>M. vicarium</i>	L	-	5	"		
<i>Leptophlebia</i>	L	B11	42	"	imm	
<i>Isoperla signata</i>	L	x-11	17	Hils 1982		
<i>Taeniopteryx</i>	L	xiiii	15	Hils 1985		
<i>Helocopsyche borealis</i>	L	11	2	"		
<i>Ceratopsyche broncha</i>	L	1	1	Schm Hils 1986		
<i>C. verna</i>	L	1	1	"		
<i>Cheumatopsyche</i>	L	1	1	Hils 1985		
<i>Pisomyza</i>	L	111	3	"		
<i>Ptilostomis</i>	L	1	1	"		
<i>Psychomyia flavida</i>	L	1	1	"		
<i>Ancyronyx variegatus</i>	L	1	1	Hils Schm 1992		
<i>Macronychus glabratus</i>	L	1	1	"		
<i>Optiosevus</i>	L	11	2	"	imm	N
<i>O. frontatus</i>	L	111	3	"		
<i>Stenelmis</i>	L	1111	4	"		
<i>Psephenus herricki</i>	L	1	1	"		
<i>Liodessus affinis</i>	A	1	1	Hils 1994		
<i>Neoplasta</i>	L	-	5	Cart Merr 2008		
<i>Simulium venustum</i> species complex	L	1	1	Adl et al 2004		
<i>S. vittatum</i> species complex 0810218	L	1	1	"		
<i>Gammarus pseudolimnacus</i>	A	11	2	Hils 1972		
<i>Caecidotea</i>	A	1	1	Will 1972	Rem	
<i>Laevigex fuscus</i>	A	1	1	Thorp Bog 2016		
<i>Physa</i>	A	1	1	"		
<i>Mermithidae</i>	A	1	1	"	imm	
<i>Tubificinae</i> (without hairs)	A	-1	6	Klemm 1985		
<i>Conchapelopia</i> 08210700	L	11	2	Cran Epl 2013		
<i>Thienemannimyia</i> group	L	1	1	"	imm	N
<i>Brillia</i>	L	111	3	And + 3 2013	mt, indet, imm	N

> 3 taxa, TVAL ≤ 2.0

4B > (0.1 x 153)

