

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

Station Summary			
Waterbody Name KELLY BROOK		Waterbody ID Code 443800	Sample ID (YYYYMMDD-CY-FD) 20191104- 31 -03
Sampling Location 5m US of crossing		Database Key 210284872 43	
SWIMS Station ID 10008225		SWIMS Station Name KELLY BROOK 4 - WHITE LAKE RD	
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

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) 3	Estimated Area Sampled (m²) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 4.6	D.O. (mg/l) 10.0	D.O. (% sat.) 79.4	pH (su) 7.3	Conductivity (umhos/cm) .325	Transparency (cm) 7122
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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) .2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 00 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** 60

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

For Lab Use Only		
Sample Sorter <i>Abby Adams</i>	Taxonomist <i>Demick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>1-22-2020</i>	Specimens Saved <i>Subsample archived in ABC until Apr 2023</i>	

C1 C3 B3
80 35 51
 Total Specs:
166

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerentoma</i>	L	1	1	Klich 2016	dam	N
<i>A. maddennoughi</i>	L	1	1	"		
<i>Baetis brunnericolor</i>	L	1	1	"		
<i>Stenacron interpermatum</i>	L	1	5	"		
<i>Leptophlebia</i>	L	x	15	"	imm	
<i>Cnemidopsycha</i>	L	-	5	Hols 1995		
<i>Limnephilidae</i>	L	1	1	"	imm	N
<i>Limnephilus</i>	L	III	3	"		
<i>Pycnopsycha</i>	L	1	1	"		
<i>Philostomus</i>	L	1	1	"		
<i>Lype diversa</i>	L	II	2	"		
<i>Gynpus lecontei</i>	A	1	1	Hols 1990		
<i>Liodesus atkinsi</i>	A	1	1	Hols 1994		
<i>Culicoides</i>	L	1	1	Hols 1995		
<i>Neoplasta</i>	L	II	2	Court Meier 2008		
<i>Simulium vittatum</i> species complex 08110217	L	III	3	Adl et al 2004		
<i>Chrysops</i>	L	III	4	Hols 1995		
<i>Gammarus pseudolimnoides</i>	A	8x-1	56	Hols 1972		
<i>Caecidotea intermedia</i>	A	x-III	18	Will 1972		
<i>Gyralus deflexus</i>	A	1	1	Burch 1989		
<i>Pisidium</i>	A	1	1	Mackie 2007		
<i>Sphaerium</i>	A	1	1	"	imm	N
<i>S. transversum</i>	A	1	1	"		
<i>Dugesitiidae</i>	A	1	1	Thorp Reg 2016		
<i>Eichhydraeidae</i>	A	1	1	"		
<i>Tubificonae (without hairs)</i>	A	-1	6	Klemm 1985		Y
<i>Tubificonae (with hairs)</i>	A	1	1	"		Y
<i>Lumbriculidae</i>	A	1	1	Thorp Reg 2016	post-Frag.	
<i>Saltia</i> Chironomidae	L	IV				
<i>Conchapelopia</i> 08270700	L	1	1	Cran Epl 2013		
<i>Meropelopia</i>	L	II	2	"		
<i>Natarsia</i> species A	L	1	1	Bolton 2012		
<i>Brillia flavifrons</i>	L	III	3	Epler 2001		
<i>Comptosia</i>	L	II	2	Andr 3 2013		
<i>Diplocladus</i>	L	1	1	"		
<i>Anthracidius (Symptetracidius) lignicola</i>	L	II	2	"		
<i>Parametrisocnemis</i>	L	-II	7	"		

<3 taxa, TVAL ≤ 2.0

