

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name KELLY BROOK		Waterbody ID Code 443800	Sample ID (YYYYMMDD-CY-FD) 20181003-43-03
Sampling Location 30m DS			Database Key 168363609
SWIMS Station ID 10015995		SWIMS Station Name KELLY BROOK - KB1 1000 FT DOWNSTREAM FROM CTH K(BEHIND CABIN)	
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

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 (m ²) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
--------------------------------	---	-------------------------------------	----------------------

Reason For Sampling

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

Water Temp. (C) 11.76	D.O. (mg/l) 9.79	D.O. (% sat.) 92.7	pH (su) 8.00	Conductivity (umhos/cm) .536	Transparency (cm) >122
--------------------------	---------------------	-----------------------	-----------------	---------------------------------	---------------------------

Water Color Estimated Stream Velocity (m/s)

Clear Turbid Stained 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) 8
---	---	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30
Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) 80

B1 → START: 3:40 END: 5:30 239 SPECS
START: _____ END: _____

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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	U
- Filamentous Algae	N	U	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	U	N	- Construction	N	N
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	N	N	Springs	U	U
Sludge	N	N	Tributary(s)	U	U
Thermal	N	N	Wetland	U	U
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter JACOB BULITZ	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7.00%
Date Processed 2/26/2019	Specimens Saved Subsample analyzed in ABC lab 1 May 2022	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L	ii	2	Hils 1995		
<i>Isoperla</i>	L	ii	2	"	imm	N
<i>I. signata</i>	L	ii	2	Hils 1982		
<i>Taeniopteryx</i>	L	ii	2	Hils 1995	imm	
<i>Ephemerella</i>	L	i	1	Kleb 2016	imm	N
<i>E. subvarra</i>	L	80	60	"		
<i>Telegonopsis deficiens</i>	L	ii	2	"		
<i>Leucocrota</i>	L	BBu	82	"		
<i>Maccallertium</i>	L	iii	4	"	imm	N
<i>M. vicarium</i>	L	-i	6	"		
<i>Leptoniebia</i>	L	iii	3	"	imm	
Calopterygidae	L	i	1	West May 1996	imm	
<i>Glossosoma</i>	L	i	1	Hils 1995	imm	
<i>Cheumatopsyche</i>	L	x	10	"		
<i>Ceratopsyche</i>	L	i	1	"	imm	N
<i>C. glossonae</i>	L	iiii	4	Schm Hils 1986		
<i>Psychomyia flavida</i>	L	i	1	Hils 1995		
<i>Nigronia semicornis</i>	L	i	1	New 1966		
<i>Onipseusus</i>	L	-ii	7	Hils Schm 1992	imm	N
<i>O. fastidiosus</i> L, S A, I	L, A	-i	6	"		
<i>Stenelmis</i>	L	-ii	7	"		N
<i>S. crenata</i>	A	i	1	"		
<i>Psephenus herrvcki</i>	L	-iiii	9	"		
<i>Atherix variegata</i>	L	-i	6	Hils 1995		
<i>Nemerodromia</i>	L	x-ii	17	Court Merr 2008		
<i>Antocha</i>	L	i	1	Hils 1995		
<i>Dicranota</i>	L	ii	2	"		
<i>Tubificinae (without hairs)</i>	A	iiii	4	Klemm 1985		
<i>Pisidium</i>	A	ii	2	Burch 1972		
<i>Nanodactylus (Plecoptera colubatus) species #5 knob</i>	L	ii	2	Hils Andt 3 2013 EPL 2001		
<i>Conchapelonia</i> 08270700	L	iii	3	Cran EPL 2013		
<i>Boillia</i>	L	ii	2	Andt 3 2013	imm	
<i>Thienemannella xena</i>	L	i	1	Bolton 2012		
<i>Stempellirella</i>	L	i	1	EPL et al 2013		
<i>Tanytarsus</i>	L	i	1	"		