

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name KELLY BROOK		Waterbody ID Code 443800		Sample ID (YYYYMMDD-CY-FD) 20191017-43-02	
Sampling Location Belgian Road				Database Key 210284805	
SWIMS Station ID 10009352		SWIMS Station Name KELLY BROOK 45M UPSTREAM FROM BELGIAN 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					
<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) 5	Estimated Area Sampled (m²) 7		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) 7.4	D.O. (mg/l) 11.1	D.O. (% sat.) 92.4	pH (su) 7.8	Conductivity (umhos/cm) 313.7	Transparency (cm) 7122
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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) 0.3		Average Stream Width of reach (m) 12	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 5	Rubble (tennisball to basketball): 25	Gravel (ladybug to tennisball): 25	
Sand: 25		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: 20	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 50			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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	U	U
Physical			Pasturing of Livestock	U	U
Bank Erosion	PL	PL	Runoff: - Barnyard	U	U
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	U	U	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	U	U	Springs	N	N
Sludge	N	N	Tributary(s)	N	U
Thermal	N	N	Wetland	N	N
Turbidity	U	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

3B = 151

Total = 151

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 1/16/2020	Specimens Saved Subsample archived in ABC under A-110 2023 JPR	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
caenis	L	I	1	KWh 2016	imm	
Heptageniidae	L	II	2	"	imm	N
Leverowia	L	III	22	"		
Maccaffertium	L	III	15	"	imm	Y
M. medopunctatum	L	III	13	"		
M. virarium	L	I	6	"		
Stenonema femoratum	L	I	1	"		
Leptophlebia	L	III	3	"	imm	
Argia	L	III	3	West May 1996	imm	
Allodonta	L	I	1	Hils 1995		
Paragnetina media	L	II	2	"		
Isoperla signata	L	X-III	17	Hils 1982		
Taeniopteryx	L	XIII	14	Hils 1995	imm	
Helicopsyche borealis	L	I	1	"		
Ceratopsyche	L	I	1	"	imm	N
C. branta	L	III	3	Schm Hils 1986		
Cheumatopsyche	L	X	10	Hils 1995		
Lepidoptera	L	I	1	Cran Daly 2008	terr?	
Optiosevus	L	I	1	Hils Schm 1992	imm	N
O. fastiditus	L	I	1	"		
O. trivittatus	L	III	4	"		
Stenelmis	L	III	3	"		N
S. crenata	A	II	2	"		
Psephenus herricki	L	II	2	"		
Atherix variegata	L	II	2	Hils 1995		
Chelifera	L	II	2	Court Merr 2008		
Caecidotea	A	I	1	Will 1972	Imm	
Synchlora	A	I	1	Pluchino 1984		
Pisidium	A	I	7	Mackay 2007		
Sphaerium	A	I	1	"		
Thremmannimyia group	L	I	1	Cran Epl 2013		
Rheocricotopus	L	I	1	And + 3 2013		
Cladotanytarsus	L	I	1	Epl et al 2013		
Microtanytarsus pedellus group	L	I	1	"		
Rheotanytarsus	L	I	5	"		
Tanytarsus	L	I	1	"		