

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name DALY CREEK		Waterbody ID Code 444500	Sample ID (YYYYMMDD-CY-FD) 20191104-43-04
Sampling Location 2 m US of crossing			Database Key 210284793
SWIMS Station ID 10047094		SWIMS Station Name DALY CREEK-CTY G	
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 type="checkbox"/> Riffle	<input checked="" 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) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
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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: Targeted Watershed Assessment

Water Temp. (C) 4.1	D.O. (mg/l) 11.0	D.O. (% sat.) 86.7	pH (su) 7.6	Conductivity (umhos/cm) 516	Transparency (cm) 75
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 60	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): _____
Sand: 20	Clay: _____	Silt/Muck: 20	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other ():: _____

Embeddedness of Substrate at Sample Site (%) 40	Canopy Cover at Sample Site (%) 20
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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

3E = 123

Total = 188

2A = 65

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dinnick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 1/22/2020	Specimens Saved Subsample archived in A32 until Apr 2023	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	I	1	KWB 2016	dam	
Stenacron	L	IIII	10	"	imm	N
S. interpunctatum	L	IIII	4	"		
Calopteryx	L	II	2	West May 1996	imm	N
C. maculata	L	I	1	"		
Cheumatopsyche	L	I	6	Hils 1995		
Philostomus	L	II	2	"		
Debragha	L	I	1	Hils Schm 1992		
Simulium	L	I	1	Adl et al 2004	imm	N
Simulium Swainstoni <u>Swainstoni</u>	A	II	2	"		N
S. venustum species complex	L	I	1	"		
S. vittatum species complex 08110217	L	BB-III	78	"		
Gammarus pseudolimnaeus	A	-	5	Hols 1972		
Nyalala azteca	A	XI	15	Saucet et al 2015		
Coecidotea intermedia	A	XI	16	Will 1972		
Cyclopidae	A	IIII	9	Thorp Reg 2016		
Tubificinae (without hairs)	A	-	5	Klemm 1985		Y
Tubificinae (with hairs)	A	II	2	"		Y
Spilidz Chironomidae	L	IIII-IIII				
Conchapelonia 08210700	L	II	2	Cron Epl 2013		
Orthocladiinae 08300000	L	III	3	Cronston 2013	mt c/det/imm	n=2, Y
Corynoneura	L	I	1	And +3 2013		
Orthocladius (Symposiocladius) ligarcola	L	I	1	"		
Parakiefferella	L	I	1	"		
Parametriocnemus	L	IIII	4	"		
Thienemannella	L	I	1	"	imm	N
Th. xena	L	II	2	Bolton 2012		
Chironomus	L	I	1	Epl et al 2013		
Microsectra	L	IIII	4	"		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus species A	L	I	1	Hils unpubl		
Polypedilum	L	II	2	Epl et al 2013	imm	N
P. (Polypedilum) illinoense group	L	-	5	Bolton 2012		
P. (P.) laetum group	L	II	3	"		
P. (Tripedura) scalanum group	L	II	2	"		
P. (Uresipedilum) flavum	L	I	1	"		
Rheotanytarsus	L	III	3	Epl et al 2013		

< 3 taxa, TVAL = 2.0

