

Instructions: Bold fields must be completed.

20180926-64-01

Station Summary

Waterbody Name BUCKATABON CREEK	Waterbody ID Code 1620800	Sample ID (YYYYMMDD-CY-FD) 9/26/2018
Sampling Location upstream from Culvert		Database Key 168363927

SWIMS Station ID 10042618	SWIMS Station Name BUCKATABIN CREEK-35M UPSTREAM WALT'S FIRE LANE		
Latitude 46.0337411	Longitude -89.3491524	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) UPPER WISCONSIN		Watershed Name TAMARACK PIONEER RIVER	Datum Used if using GPS WGS84 or NAD83
County VILAS			

Sample and Site Descriptors

Sample Collector (Last Name, First) ALAN WIRT	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2018
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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) 42	Estimated Area Sampled (m²) 9	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 9.3	D.O. (mg/l) 10.2	D.O. (% sat.) 89	pH (su) 8.35	Conductivity (umhos/cm) 77.0	Transparency (cm) >120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .4 m	Average Stream Width of reach (m) 4 m.
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 50 Other (): _____

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 0

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			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>77%</i>
Date Processed <i>8/21/18</i>	Specimens Saved <i>Subsample archived in ABC until Oct 2022</i>	

D3 = 173

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	II	2	Hils 1995	imm	
Baetis brunneicolar	L	III	3	Kleb 2016		
B. flavistriga species complex	L	II	2	"		
Baetisca	L	I	1	"	imm	N
B. laurentina	L	III	4	"		
Caenis latipennis	L	XI	11	"		
Ephemerella subvaria	L	III	4	"		
Ephemera	L	III	3	"	imm	
Stenocran	L	L	1	"	imm	
Maccaffertium	L	III	4	"	imm	Y
M. varicatum	L	-III	10	"		
Leptophlebia	L	-II	7	"	imm	
Gomphidae	L	-II	7	Tennessee 2019	imm	N
Ophiosomphus	L	I	1	"	imm	N
O. ripariensis	L	II	2	"		
Helicopsyche borealis	L	II	2	Hils 1995		
Chaumatopsyche	L	III	4	"		
Hydropsyche heteni	L	-	5	Sam Hils 1986		
Ceratopsyche glossanae	L	-III	9	"		
Lepidostoma C. spama	L	III	3	"		
Lepidostoma	L	II	2	Hils 1995		
Mystacides	L	-	5	"	imm	
Limnephilidae	L	L	1	"	imm	
Pycnopsyche	L	I	1	"		
Neureclipsis	L	II	2	"		
Goera stylata	L	I	1	"		
Nigronia semicarnis	L	I	1	Neunzig 1966		
Optipseonus	L	II	2	Hils Schum 1992	imm	N
O. fastidius	L	I	1	"		
Nemeroptera	L	II	2	Quat Merr 2008		
Simulium venustum species complex	L	Y	2	Bel et al 2004		
Dicranota	L	L	1	Hils 1995		
Hyalella arctica	A	I	1	Soucek et al 2015		
Coeloclelea racovitzai racovitzai	A	XIII	14	Will 1972		
Tubificinae (without hairs)	A	II	2	Klemm 1985		
Pisidium	A	X	10	Mackie 2007		
Split A3 Chironomidae	L	-	5			

