

Wadeable Macroinvertebrate
Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BALSAM BR		Waterbody ID Code 2618300	Sample ID (YYYYMMDD-CY-FD) 20181018-49-02
Sampling Location @ 150th Ave ~ 50m upstream			Database Key 168634602
SWIMS Station ID 10013508		SWIMS Station Name BALSAM BRANCH AT 150TH AVE.	
Latitude 45.42539	Longitude -92.46490	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) ST. CROIX		Watershed Name BALSAM BRANCH	County POLK

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG ROESLER	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) 1	Estimated Area Sampled (m ²) 1 m ²	Number of Samples in Composite 3 - 20 second Kicks	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 9.4	D.O. (mg/l) 11.6	D.O. (% sat.) 101.6	pH (su) 7.7	Conductivity (umhos/cm) 2120	Transparency (cm) 2120
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4 m	Average Stream Width of reach (m) 5.0 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 40
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) 10%	Canopy Cover at Sample Site (%) 30%
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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:		
Physical			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

For Lab Use Only

Sample Sorter <i>Joyanna Erickson</i>	Taxonomist <i>Brimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>8/29/2019</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2022</i>	

B1 | B2
55 | 84
Total:
139

Wisconsin Department of Natural Resources

ABL SampleNum: 20181018-49-02

Taxonomist: Dimick, Jeffrey

 Waterbody: **Balsam Branch**
 SWIMS Database Key: **168634602**

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acronyria</i>	L	I	1	Hils 1995	imm	N
<i>A. lycurias</i>	L	II	2	Hitch 1974		
<i>Paragnetina medea</i>	L	I	1	Hils 1995		
<i>Baetisca laurentina</i>	L	I	1	Kub 2016		
<i>Caenis punctata</i>	L	I	1	"		
<i>Teloganopsis detritiens</i>	L	-IIII	9	"		
<i>Maccaffertium mediopunctatum</i>	L	III	3	"		
<i>M. vicarium</i>	L	I	1	"		
<i>Taeniopteryx</i>	L	I	1	Hils 1995	imm	
<i>Micrasema mustraum</i>	L	III	3	Hils 1985		
<i>Rheumatopsyche</i>	L	XII	32	Hils 1995		
<i>Hydropsyche betteni</i>	L	II	2	Schm Hils 1986		
<i>Ceratopsyche</i> <u>Balt/unk, Conf</u>	L	XIII	13	Hils 1995	imm	N4, Y
<i>C. brenta</i>	L	XIII	14	Schm Hils 1986		
<i>C. sparna</i>	L	I	1	"		
<i>Leuctrethra prodipes</i>	L	I	1	Hils 1995		
<i>Mystacodes</i>	L	I	1	"	imm	
<i>Oecetis</i>	L	I	1	"	imm	
<i>Polycentropus</i>	L	I	1	"		
<i>Psychomyia flavida</i>	L	IIII	4	"		
<i>Neophylax</i>	L	I	1	"	imm	
<i>Nigonia serricornis</i>	L	-II	7	Neunzig 1966		
<i>Macronychus glabratus</i>	L	I	1	Hils Schm 1992		
<i>Optiservus</i>	L	I	5	"	imm	N
<i>O. fastiditus</i>	L	II	3	"		
<i>O. frivillatus</i>	L	III	3	"		
<i>Atherix variegata</i>	L	I	1	Hils 1995		
<i>Hemerodromia</i>	L	III	3	Court Men 2008		
<i>Antocha</i>	L	I	1	Hils 1995		
<i>Orthocladius (Orthocladius)</i>	P	I	1	Coff et al 1986		
<i>Hyalella azteca</i>	A	I	1	Sovek et al 2015		
<i>Nesameletia atopodonta</i>	A	I	1	Hils 1984		
<i>H. scabrevula</i>	A	I	1	"		
<i>Sigara compressoridea</i>	A	I	1	"		
<i>Ferrissia rivularis</i>	A	I	1	Thorp Reg 2016		
<i>Laesopex fuscus</i>	A	I	1	"		
<i>Valvata bicarinata</i>	A	I	1	Breh 1982		
<i>Pisidium</i>	A	II	2	Nackie 2007		

Taxonomist: Dimick, Jeffrey

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