

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name SOUTH FORK BLAKE CREEK		Waterbody ID Code 282100	Sample ID (YYYYMMDD-CY-FD) 20181002-69-01
Sampling Location			Database Key 168360388
SWIMS Station ID 693159		SWIMS Station Name BLAKE CREEK SOUTH FORK AT BESTUL RD	
Latitude 44.534317	Longitude -89.0470773	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name LOWER LITTLE WOLF RIVER	County WAUPACA

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 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 <sup>2</sup> ) 1.5	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: *Natural Community Stratified*

Water Temp. (C) 11.1	D.O. (mg/l) 9.6	D.O. (% sat.) 89.0	pH (su) 7.8	Conductivity (umhos/cm) 338.3	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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) 0.3	Average Stream Width of reach (m) 3
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 10  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) \_\_\_\_\_ Canopy Cover at Sample Site (%) 0

**Stream and Watershed Descriptors**

N = Not a problem      PL = Present, Low Impact  
 U = Uncertain            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
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:	N	N
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
			Pasturing of Livestock	N	N
<b>Physical</b>			Runoff: - Barnyard	N	N
Bank Erosion	N	N	- Construction	N	N
Channelization: - Upstream	N	N	- Cropland	PL	PL
- Downstream	N	N	- Urban	N	N
Hydraulic Scour / Channel Incision	N	N	Septic Systems	N	N
Impoundment: - Upstream	N	N	Tile Drainage - Organic Soils	N	N
- Downstream	N	N	- Mineral Soils	N	N
Low Flow	N	N	Springs	PL	PL
Sedimentation	PL	PL	Tributary(s)	N	N
Sludge	N	N	Wetland	N	N
Thermal	N	N	Other - Specify:		
Turbidity	N	N			
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Kajlawilcox 8/21/19	Taxonomist	Estimated Percent of Sample Sorted
	Specimens Saved	

Dimock, Jeffrey  
 70%  
 subsample archived in ABC cabinet Oct 2022

DI = 137



Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracapnia angulata</i>	L	I	1	Hatch 1974		
<i>Paragnetina medea</i>	L	III	3	Hils 1995		
<i>Isoperla signata</i>	L	I	1	Hils 1982		
<i>Baetis flavistriga</i> species group	L	I	1	Klob 2016		
<i>Ephemerella invaria</i>	L	I	1	"		
<i>E-subvarra</i>	L	XIII	14	"		
<i>Maccaffertium vicarium</i>	L	"	2	"		
<i>Brachycentrus occidentalis</i>	L	III	3	Hils 1985		
<i>Plecoptera</i> <del><i>Systellognatha</i></del>	L	I	1	Hils 1995	imm	N
<i>Hydropsychidae</i>	L	I	1	"	dam	N
<i>Cheumatopsyche</i>	L	II	2	"		
<i>Hydropsyche</i>	L	III	1	"	imm	N
<i>H. betteni</i>	L	III	5	SchmHils 1986		
<i>Ceratopsyche spama</i>	L	I	1	"		
<i>Delocephalus distinctus</i>	L	III	3	Hils 1995		
<i>Neophylax</i>	L	I	1	"	imm	
<i>Optiservus fastiditus</i>	L	I	1	Hils Schm 1992		
<i>Hemerodromia</i>	L	II	7	Court Merr 2008		
<i>Simulium</i> <del><i>Stuber</i></del>	P	II	2	Adl et al 2014		
<i>Tipula</i>	L	I	1	Hils 1995		
<i>Gammarus pseudolimnacus</i>	A	-I	6	Hils 1972		
<i>Naididae</i>	A	or	25	Brin Geld 1991		
<del><i>Split by Chironomidae</i></del>	L	III-IV				
<i>Thienemanniella</i> group	L	I	1	Cranston 2013	imm	
<i>Orthocladinae</i> 0830000	L	-III	9	Cranston 2013	imm	N
<i>Brillia</i>	L	II	2	Adl + 3 2013	imm	
<i>Cricotopus (Cricotopus) brancus</i> group	L	I	1	"		
<i>Eukretoviella devonica</i> group	L	I	1	"		
<i>Orthocladus (Orthocladus)</i>	L	II	2	"		
<i>Parametriocnemus</i>	L	X-III	18	"		
<i>Rheocricotopus</i>	L	III	4	"		
<i>Thienemanniella</i>	L	II	2	"	imm	N
<i>Th-xena</i>	L	I	1	Bolton 2012		
<i>Toetensa bavaria</i> group	L	III	4	Bode 1983		
<i>Paratanytarsus longistilus</i>	L	XI	11	Epl et al 2013		
<i>Polypedium (Wespedillum) aviceps</i>	L	III	3	Bolton 2012		
<i>Encotanytarsus</i>	L	XII	12	Epl et al 2013		