

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MEHLBERG CREEK		Waterbody ID Code 295000	Sample ID (YYYYMMDD-CY-FD) 20161101-59-01
Sampling Location US Burma Rd		Database Key 133649559	
SWIMS Station ID 10043176		SWIMS Station Name UNNAMED TRIB (MEHLBERG CR) TO N BR OF PIGEON RIVER US BURMA RD	
Latitude 44.6868149	Longitude -88.9442156	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name PIGEON RIVER	County SHAWANO

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name UPPER PIGEON RIVER WATERSHED ASSESSMENT - EAST_2_

Sampling Device

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: \_\_\_\_\_

Water Temp. (°C) 9.1°C 48.4	D.O. (mg/l) 8.2	D.O. (%sat.) 71.2	pH (su) 7.8	Conductivity (umhos/cm) 584.0	Transparency (cm) 120
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Water Color 15	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 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) 0.1	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 100  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 0      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
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	PL	PL	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:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
<b>Physical</b>			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	PL	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PL	PH	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Bugs collected in riffle area DS 40 m Burma Rd

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Taylor Hass	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 70%
Date Processed 4/4/17	Specimens Saved Subsample archived in ABL cabinet Sept 2020	

B3 284

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocaenia</i>	L	1	1	Hilsenhoff 1995		
<i>Paracania angulata</i>	L	x-III	16	Hitchcock 1974		
<i>Amphinemura delosa/varshava</i>	L	XIII	14	Dimick unpubl		
Perlodidae	L	II	2	Hilsenhoff 1995	imm	N
<i>Cliapecta elio</i>	L	"	2	"		
Ephemerellidae	L	II	2	Kluebertanz 2016	dam	N
<i>Ephemerella invaria</i>	L	I	1	"		
<i>E. subvaria</i>	L	x-III	19	"		
<i>Maccaffertium vicarium</i>	L	x-I	16	"		
<i>Paraleptophlebia</i>	L	I	1	"	dam	
<i>Glossosoma</i>	L	II	2	Hilsenhoff 1995	imm	
<i>Cheumatopsyche</i>	L	0-1	26	"		
<i>Hydropsyche betteni</i>	L	II	3	Schm. Hils 1986		
<i>Dipterona modesta</i>	L	I	1	Hilsenhoff 1995		
<i>Ceratopsyche</i>	L	I	1	"	imm	N
<i>C. glossonae</i>	L	x-II	12	Schm. Hils. 1986		
Phlebotamidae	L	I	1	Hilsenhoff 1995	imm	N
<i>Chimarra</i>	L	I	1	"	imm	N
<i>Ch. aderrima</i>	L	0-III	38	Hilsenhoff 1982		
<i>Wormaldia moesta</i>	L	I	1	Hilsenhoff 1995		
<i>Neophylax</i>	L	I	1	"	imm	
<i>Nigronia semicornis</i>	L	x-I	11	Newzig 1986		
<i>Sialis</i>	L	I	1	Hilsenhoff 1995		
<i>Optiosevus</i>	L	x	10	Hils. Schm. 1992	imm	N
<i>O. fastiditus</i>	L, I	A, 3	4	"		
<del>Spittaz Chimarridae</del>	L	4-10				
<i>Diamesa</i>	P	I	1	Ferr. et al 2008		
<i>Conchapelopia</i>	L	-	5	Cross, Epler 2013		
<i>Zaurelomyia</i>	L	-	5	"		
<i>Thienemannimyia</i> group	L	I	1	"	imm	N
<i>Parameletrocnemus</i>	L	0-III	34	Anden + 3 2013		
<i>Tvetenia bavarica</i> group	L	x-	15	Boed. 1983		
<i>Heleniella</i>	L	II	2	Anden + 3 2013		
<i>Chironominae</i>	L	I	1	Cranston 2013	not indet	N
<i>Micropsectra</i>	L	XIII	14	Epler et al 2013		
<i>Paratanytarsus longistilus</i>	L	III	4	"		
<i>Polypedilum (Tripedana) scalenum</i> group	L	I	1	Bolton 2012		

