

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name HYDES CREEK		Waterbody ID Code 294000	Sample ID (YYYYMMDD-CY-FD) 20161102-59-01
Sampling Location US Swamp Rd		Database Key 135921388	
SWIMS Station ID 10017231		SWIMS Station Name TRIB. TO N. BR. PIGEON (HYDES CREEK)-SWAMP RD.	
Latitude 44.679832	Longitude -88.85613	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) 8	Estimated Area Sampled (m ²) 3	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (°C) 9.5°C 49.1	D.O. (mg/l) 8.62	D.O. (% sat.) 74.9	pH (su) 7.67	Conductivity (umhos/cm) 460.4	Transparency (cm) 120
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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) .3	Average Stream Width of reach (m) 5
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 60 Canopy Cover at Sample Site (%) 100

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	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:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PL	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	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PL	PL	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Andrew Kohlmann	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 4/4/17	Specimens Saved Subsample archived in ABE until Sept 2020	

A1-41
 B3-78
 A2-101
 E2-134

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx nivalis	L	I	1	Foil, Stew. 1960		
Baetis brunneicolor	L	I	1	Kluberhanz 2016		
Heptageniidae	L	II	2	"	imm	N
Stenacron	L	II	2	"	imm	
Mesochoreus vicarium	L	X-III	19	"		
Ephemerella	L	I	1	"	imm	Y
E. subvaria	L	I	1	"		
Leptophlebia cupida	L	I	1	"		
Chumatopsyche	L	III	3	Hilsenhoff 1995		
Ceratopsyche slossonae	L	II	2	Schm, Nils 1986		
Chimarra aterrima	L	I	1	Hilsenhoff 1992		
Lype diversa	L	III	3	Hilsenhoff 1995		
Neophylax	L	I	5	"	imm	N
N. oligus	L	I	1	Bright 2013		
Nigronia serricornis	L	-I	6	Newzig 1966		
Optiservus	L	X	10	Hils, Schm. 1992	imm	N
O. fastiditus	L	III	4	"		
Nemerodromia	L	I	1	Cent., Merr. 2008		
Chrysens	L	I	1	Hilsenhoff 1995		
Diarranota Antocha	L	-III	8	"		
Diarranota	L	I	1	"		
Limnophila	L	II	3	"		
Gammarus pseudolimnaeus	A	-III	8	Holsinger 1972		
Naidinae	A	-II	7	Braun, Geld. 1991		
Tubificinae w/o capilliform chaetae		II	2	Klemm 1985		
Sphaerium	I	I	1	Burch 1972		
Spittaz chironomidae	L	II-III				
Conchapelonia	L	I	1	Cham, Epler 2013		
Mecoptonia	L	I	1	"		
Natarsia baltimora	L	I	1	Epler 2001		
Brillia flavifrons	L	I	1	"		
Corynoctonus	L	II	2	Ander + 3 2013		
Paramecricnemus	L	III	4	"		
Twekonia bavarica group	L	I	5	Beck 1983		
Cladotanytarsus	L	δ I	31	Epler et al 2013		
Micropsectra	L	X-III	18	"		

