

Instructions: Bold fields must be completed.

**Station Summary**

Waterbody Name MCGINNIS CREEK		Waterbody ID Code 1461100	Sample ID (YYYYMMDD-CY-FD) 20160928-37-01
Sampling Location 30 m DS bridge on CTH F			Database Key 133642248
SWIMS Station ID 10030418	SWIMS Station Name MCGINNIS AT CTH F		
Latitude 45.09073	Longitude -89.96615	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) CENTRAL WISCONSIN		Watershed Name UPPER RIB RIVER	County MARATHON

**Sample and Site Descriptors**

Sample Collector (Last Name, First) Hazyra Mack	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2016
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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) 30	Estimated Area Sampled (m <sup>2</sup> ) 0.5	Number of Samples in Composite 1	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)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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) 0.3	Average Stream Width of reach (m) 4m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 40 \_\_\_\_\_ Gravel (ladybug to tennisball): 50 \_\_\_\_\_  
 Sand: 10 \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_

Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 15 \_\_\_\_\_ 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		Chlorine		N	N
- Filamentous Algae		N		Dissolved Oxygen		L	U
- Planktonic Algae		N		Nutrients (P, N...)		U	U
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes		PL		- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PH	PL
				Point Source - Specify:		N	N
<b>Physical</b>				Pasturing of Livestock		PH	
Bank Erosion		PH	PL	Runoff: - Barnyard		U	
Channelization: - Upstream		N	N	- Construction		N	N
- Downstream		N	N	- Cropland		N	PL
Hydraulic Scour / Channel Incision		N	N	- Urban		N	N
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation		PL		Springs			
Sludge				Tributary(s)			
Thermal				Wetland		N	N
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Kuhner, Alison	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 71%
Date Processed 4-10-17	Specimens Saved Subsample archived in ABC (ind) Oct 2020	

E2-146

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracania angulata</i>	L	01	21	Hitchcock 1974		
Perlodidae	L	11	2	Hilsenhoff 1995	imm	N
<i>Isoperla signata</i>	L	1	1	Hilsenhoff 1982		
<i>Baetis intercalaris</i>	L	1	1	Hilsenhoff 2016		
<i>B. flavistriga</i> species complex	L	11	2	"		
<i>Acentrella turbida</i>	L	111	7	"		
<i>Acerpenna</i>	L	111	4	"	dam	N
<i>A. pygmaea</i>	L	1	1	"		
<i>Ephemerella invaria</i>	L	1	1	"		
<i>E. subvaria</i>	L	11	2	"		
<i>Eumphorhella</i>	L	1111	9	"	imm	
<i>Telocaniopsis deficiens</i>	L	111	8	"		
<i>Epeorus vitreus</i>	L	11	2	"		
Leptanthebiidae	L	1	1	"	imm	N
<i>Paraleptanthebia</i>	L	11111	14	"	dam	N
<i>P. mollis</i>	L	X	10	"		
<i>Micrasema rusticum</i>	L	1	1	Hilsenhoff 1985		
<i>Charmatopsyche</i>	L	11	2	Hilsenhoff 1985		
<i>Hydropsyche betteni</i>	L	1	1	Schm, Hils. 1986		
<i>Ceratopsyche</i>	L	1	1	Hilsenhoff 1995	imm	N
<i>C. albatra</i>	L	1	1	Schm, Hils. 1986		
<i>C. branta</i>	L	1	1	"		
<i>C. glossanae</i>	L	1	1	"		
<i>Psychomyia flavida</i>	L	1	1	Hilsenhoff 1995		
<i>Prosopeus</i>	L	111	16	Hils, Schm. 1992	imm	N
<i>P. festiditus</i> L, 8 A, 15	L, A	0111	23	"		
<i>Stenelmis</i>	L	1	1	"		
<i>Atherix variegata</i>	L	111	4	Hilsenhoff 1995		
<i>Simulium tuberosum</i> species group	L	1	1	Adler et al 2024		
<i>Amphocha</i>	L	11	2	Hilsenhoff 1995		
<i>Hydrobates</i>	A	1	5	Pluchino 1984		
<del>Hydrobates</del> Naidinae	A	1	1	Bryn, Geld. 1991		
<i>Ferrissia rivularis</i>	A	1	1	Rogers 2016		
<i>Loeapex fuscus</i>	A	1	1	"		
<i>Physa</i>	A	11	2	"		
<i>Conchapelonia</i>	L	1	1	Cran, Eper 2013		

