

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MCCANN CREEK		Waterbody ID Code 2169000	Sample ID (YYYYMMDD-CY-FD) 20160927-09-04
Sampling Location US 1-2m		Database Key 133642244	
SWIMS Station ID 10044934		SWIMS Station Name MCCANN CREEK AT STH 40	
Latitude 45.2029668	Longitude -91.4398484	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name MCCANN CREEK AND FISHER RIVER	County CHIPPEWA

Sample and Site Descriptors	
Sample Collector (Last Name, First) King, Jake	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2016

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) 2	Estimated Area Sampled (m <sup>2</sup> ) 1 m <sup>2</sup>	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: Stratified Random

Water Temp. (C) 54°F	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 checked="" 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) .4	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10  
 Sand: 40 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	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)		
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)		
Macrophytes	N	N	- Organic (PCBs, pesticides...)		
Slimes	N	N	Other - Specify:		
Other - Specify:	N	N	<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	
			Point Source - Specify:	N	
			Pasturing of Livestock	N	
<b>Physical</b>			Runoff: - Barnyard	N	
Bank Erosion	N		- Construction	N	
Channelization: - Upstream	N	PH	- Cropland	PL	PH
- Downstream	N	N	- Urban	N	N
Hydraulic Scour / Channel Incision	N	N	Septic Systems		
Impoundment: - Upstream	N	N	Tile Drainage - Organic Soils		
- Downstream	N	N	- Mineral Soils		
Low Flow	U		Springs		
Sedimentation	N		Tributary(s)		
Sludge	N		Wetland	PH	PH
Thermal			Other - Specify:		
Turbidity					
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>W. L. A. Andy Kohlman</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 13%
Date Processed 4/10/17	Specimens Saved Subsample archived in ABC until Oct 2020	

E3-92  
 D2-191

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brownicolor</i>	L	0	2	Klubertanz 2016		
<i>B. flavistriga</i> species complex	L	1	1	"		
<i>Chumatopsyche</i>	L	xii	12	Hilsenhoff 1995		
<i>Hydropsyche betteni</i>	L	xiii	13	Schm. Hils. 1986		
<i>Simulium venustum</i> species complex	L	x	10	Alder et al 2004		
<i>S. vittatum</i> species complex <span style="border: 1px solid red; padding: 2px;">108110217</span>	L	1	2	"		
<i>S. pilosum</i>	L	1	1	"		
<i>Hyalella</i>	A	0-11	23	Pennak 1978		
<i>Caecidotea racovitzai racovitzai</i>	A	0-11	27	Williams 1972		
Tubificinae w/o capilliform chaetae	A	1	1	Klemm 1985		
Tubificinae w/ capilliform chaetae	A	1	1	"		
<i>Physa</i>	A	1	1	Rogers 2016		
<i>Helisoma</i>	A	1	1	"		
<i>Conchaulepia</i>	L	iii	4	Cross, Epler 2013		
<i>Eukiefferiella claryensis</i> group	L	i	1	Alder + 3 2013		
<i>Parametriocnemus</i>	L	1	1	"		
<i>Cricotopus/Orthocladius</i>	L	1	1	Ferr. et al 2008	imm	N
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	iii	3	Alder + 3 2013		
Chironominae	L	ii	2	Cranston 2013	dam/imm	N
<i>Micronsectra</i>	L	1	1	Epler et al 2013		
<i>Paratanytarsus</i> sp. A	L	1	1	Hilsenhoff unpubl		
<i>Phaenosectra</i>	L	1	1	Epler et al 2013	imm	
<i>Polyapedilum (Uresipedilum) aviceps</i>	L	1	5	Bolton 2012		
<i>P.(U.) flavum</i>	L	1	1	"		
<i>Rhyacotanytarsus</i>	L	BBiii	83	Epler et al 2013		

23 taxa, TVAL = 2.0