

Instructions: Bold fields must be completed.

<b>Station Summary</b>	
Waterbody Name TOWN CREEK	Waterbody ID Code 463000
Sampling Location 5 m 05	Sample ID (YYYYMMDD-CY-FD) 20171005-43-02
SWIMS Station ID 10048917	Database Key 149418125

SWIMS Station Name TOWN CREEK 150 DS CHURCH RD			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY	Watershed Name LOWER NORTH BRANCH OCONTO RIVER	County OCONTO	

<b>Sample and Site Descriptors</b>	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2017

**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> ) 3	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: N. Community

Water Temp. (C) 8.22	D.O. (mg/l) 9.71	D.O. (% sat.) 84.0	pH (su) 8.04	Conductivity (umhos/cm) 492	Transparency (cm) 7122
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**Water Color**

Clear    
 Turbid    
 Stained

**Estimated Stream Velocity (m/s)**  
 Slow (< 0.15 m/s)    
 Moderate (0.15 m/s - 0.5 m/s)    
 Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 50 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 60

**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	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	N	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	U
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	N	N	Springs	U	U
Sludge	N	N	Tributary(s)	U	U
Thermal	N	N	Wetland	U	U
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>D. Mick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>7/6/18</i>	Specimens Sayed <i>Subsample archived in ABC until Nov 2021</i>	

DI = 946

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	xiii	16	Hils 1995		
16 Paracapnia angulata	L	xiii	6	Hitch 1974		
Amphiacmisa delosa/varshava	L	ii	7	Dimick unpubl		
10 Nemoura trispinosa	L	iiii	4	Hils 1995		
Baetis brunnicolor	L	iiii	4	KLW 2016		
13 B. tricaudatus	L	iii	3	"		
Ephemera	L	iiii	4	"	imm	Y
25 E. subvaria	L	xii	12	"		
Trichoptera 0400000	L	i	1	Hils 1995	imm	N
27 Brachycentrus occidentalis	L	ii	2	Hils 1985		
29 Micrasema gelidum	L	ii	2	"		
31 Glossosoma	L	ii	2	Hils 1995	imm	
Hydropsychidae	L	ii	27	"	imm	N
Cheumatopsyche	L	xxiii	74	"		
Hydropsyche	L	x	10	"	imm	N
H. betteni	L	iiii	5	Schm Hils 1986		
Ceratopsyche	L	i	1	Hils 1995	imm	N
C. glossosoma	L	xx	70	Schm Hils 1986		
133 Lepidostoma	L	ii	2	Hils 1995		
Lenticeridae	L	i	1	"	imm	
Philopotamidae	L	i	1	"	imm	N
Chimarra aterrima	L	iii	3	Hils 1982		
103 Dolophiletes distinctus	L	xx	70	Hils 1995		
104 Zhyarophila vibax	L	i	1	Prath, Mar 2001		
Neophylax	L	i	1	Hils 1995	imm	
Nigronia	L	ii	2	"	imm	
Optoserius	L	xi	21	Hils Schm 1992	imm	N
107 Hemerodromia D. fastidius	L	ii	2	"		
Hemerodromia	L	iii	3	Cent Merr 2008		
Simulium	L	i	1	Ader et al 2004	imm	N
S. tuberosum species complex	L	iiii	9	"		
S. vittatum species complex 08110218	L	x-ii	17	"		
Empididae	P	i	1	Merr, Webb 2008		N
Antocha	L	iiii	4	Hils 1995		
Dicranota	L	i	1	"		
Dixa	L	ii	2	"		
Tuetenia	P	-i	6	Ferr et al 2008		

&gt;3 taxa, TVAL ≤ 2.0

105 &gt; (0.1 × 824)

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Gammarus pseudolimnaeus</i>	A	x11	12	Hols 1972		
Caeridotea	A	11	2	Wyll 1972	imm	
Hygrobatas	A	1	1	Pluch 1984		
Mesmithida	A	1	1	Thorp Reg 2016	imm	
Naidinae	A	1	1	Boin et al 1991		
Physa	A	1	1	Thorp Reg 2016		
<del>Split A3 Chironomidae</del>	L	<del>8 III-III</del>				
Microneuria	L	-	5	Cran, Epl 2013		
Nilotanytus	L	1	1	"		
Thienemannimyia group	L	IIII	4	"	imm	N
Diamasa	L	11	2	Seth Ander 2013		
Ornithodiniinae 0830000	L	x-III	19	Cranston 2013	dam/imm	N
Brillia	L	-1	6	Ander +3 2013	dam/imm	Y
B. parva	L	1	1	Epler 2001		
Corynoneura	L	11	2	Ander +3 2013		
Eukiefferella	L	11	2	"	dam	N
Eu. claripennis group	L	01	21	"		
Limnophyes	L	11	2	"		
Parametriconeurus	L	888	120	"		
Stilobedius	L	11	2	"		
Thienemanniella	L	11	2	"	imm	N
Th. xera	L	1	1	Bolton 2012		
Tvetenia bavarica group	L	8x	50	Boed 1983		
Cricotopus/Ornithodinius	L	1	1	Ferr et al 2005	imm	
105 itelencella	L	1	1	Ander +3 2013		
Chironominae 08330000	L	8-III	38	Cranston 2013	mt med/imm	N
Microneura	L	-III	8	Epl et al 2013		
Paratanytarsus longistilus	L	11	2	"		
Paratendipes	L	1	1	"		
Polypedilum	L	III	3	"	imm	N
P. (Polypedilum) illinoense group	L	11	2	Bolton 2012		
P. (Ursapedilum) aviceps	L	88811	182	"		
Zweotanytarsus	L	88 III	74	Epl et al 2013		
Tanytarsus	L	IIII	4	"		