

Instructions: **Bold** fields must be completed.

**Station Summary**

<b>Waterbody Name</b> SOUTH BRANCH OCONTO RIVER		<b>Waterbody ID Code</b> 480900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20080927-43-04
<b>Sampling Location</b> 10 m. DS Saul Springs Rd			<b>Database Key</b> 168363520
<b>SWIMS Station ID</b> 10044679	<b>SWIMS Station Name</b> SOUTH BRANCH OCONTO RIVER - SAULS SPRING ROAD		
<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> GREEN BAY	<b>Watershed Name</b> SOUTH BRANCH OCONTO RIVER	<b>County</b> OCONTO	

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> ANDREW HUDAK	<b>Project Name</b> EAST DISTRICT NC STREAM STRATIFIED SITES 2018
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**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

<b>Total Sampling Time (min)</b> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 6	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: Natural Community / Stream Random

<b>Water Temp. (C)</b> 8.8	<b>D.O. (mg/l)</b> 10.32	<b>D.O. (% sat.)</b> 93.1	<b>pH (su)</b> 8.01	<b>Conductivity (umhos/cm)</b> 292.0	<b>Transparency (cm)</b> >122
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> .3	<b>Average Stream Width of reach (m)</b> 8
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 30     
**Canopy Cover at Sample Site (%)** 10

**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:		N
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	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	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>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>1/24/19</i>	Specimens Saved <i>137</i>	

B3=53  
 C1= 89

Subsample archived in ABL under 1 Oct 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracania angulata</i>	L	1		Nitch 1974		
Plecoptera	L	1		Hils 1995	imm	N
<i>Acroneurra</i>	L	III		"	imm	N
<i>A. lyceras</i>	L	"		Stark 2017		
<i>Paragnetina media</i>	L	1		Hils 1995		
<i>Taeniopteryx</i>	L	"		"	imm	
<i>Baetis intercalaris</i>	L	1		Kubo 2016		
<i>Ephemerella</i>	L	x-III		"	imm	x
<i>E. subvaria</i>	L	x-III		"		
<i>Teloganopsis deficiens</i>	L	"		"		
<i>Mallatopteryx</i>	L	1		"	imm	N
<i>M. modestum</i>	L	1		"		
<i>Paraleptonhebia</i>	L	-III		"	deem/imm	N
<i>P. mollis</i>	L	"		"		
Amphipoda	L	-1		Nord et al 2000	imm	
Trichoptera	L	1		Hils 1995	deem	N
<i>Brachycentrus occidentalis</i>	L	-		Hils 1995		
<i>Micrasema</i>	L	#"		"	imm	
<i>M. rusticum</i>	L	"		"		
<i>Glossosoma</i>	L	-		Hils 1995	imm	
<i>Helicopsyche borealis</i>	L	1		"		
<i>Chaumatopsyche</i>	L	1		"		
<i>Ceratopsyche glossanae</i>	L	-1		Schm Hils 1986		
<i>C. sparna</i>	L	-		"		
<i>Lepidostoma</i>	L	-		Hils 1995		
<i>Dolophilodes distinctus</i>	L	III		"		
<i>Optiservus</i>	L	III		Hils Schm 1992	imm	N
<i>O. fastidius</i>	L, A	III	L, 3 A, 1	"		
<i>O. trivittatus</i>	L, A	0 III	L, 10 A, 5	"		
<i>Stenelmis</i>	L	1		"		
<i>Abaetia</i>	L	"		Hils 1995		
<i>Dicranota</i>	L	"		"		
Meimithidae	A	1		Thorp Res 2016	imm	
<i>Macadrili = Metasynophora</i>	A	1		"		
<i>Physa</i>	A	1		"		
<i>Pisidium</i>	A	1		Mackie 2007		
<i>Spitiz Chironomidae</i>	L	1-10				

