

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name JUNCTION CREEK @ CTH B		Waterbody ID Code 2953700	Sample ID (YYYYMMDD-CY-FD) 20161013-64-03
Sampling Location		Database Key 133642115	
SWIMS Station ID 10047122		SWIMS Station Name JUNCTION CR APP. 63 M US FROM CTH-B	
Latitude 46.22026	Longitude -89.67722	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
Basin (WMU) LAKE SUPERIOR		Watershed Name PRESQUE ISLE RIVER	County VILAS
Sample and Site Descriptors			
Sample Collector (Last Name, First) JAMES KLOSIEWSKI Cunningham, Joe		Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2016	
Sampling Device			
<input checked="" type="checkbox"/> Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input checked="" type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1.5 m ²	Number of Samples in Composite 3-30 second	Replicate No. _____ of _____
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____			
Water Temp. (C) 8.2	D.O. (mg/l) 12.1	D.O. (%sat.) 102.5	pH (su)
Conductivity (umhos/cm) 15		Transparency (cm) >120	
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)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.25m	Average Stream Width of reach (m) 3.5m	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 40 20
Sand: 20	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 20
Aquatic Macrophytes: 10	Leaf Snags: 10	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) 15		Canopy Cover at Sample Site (%) 80	

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kuhne, Allison</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>5-3-17</i>	Specimens Saved <i>subsample archived in ADL until Oct 2020</i>	

*B3 → 76
 E1 → 73
 BL*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappnia angulata</i>	L	1	1	Hitchcock 1974		
<i>Acanthocyclops</i>	L	0 III	24	Kubertewicz 2016	dam	N
<i>A. macdunnoughi</i>	L	- II	7	"		
<i>A. pygmaea</i>	L	1	1	"		
<i>Leptophlebia cupida</i>	L	0 II	22	"		
<i>Calopteryx</i>	L	II	2	West, May 1996	imm	N
<i>C. maculata</i>	L	III	3	"		
<i>Cordulegaster</i>	L	II	2	Neel et al 2000	imm	
<i>Oxyethira</i>	L	II	7	Hilsenhoff 1995		
<i>Lepidostoma</i>	L	I	1	"		
Limnephilidae	L	II	2	"		
<i>Platycentropus amicus</i>	L	II	2	Wiggins 1996		
<i>Limnophilus</i>	L	I	1	Hilsenhoff 1995		
<i>Molanna blanda</i>	L	I	1	Bright 2013		
<i>Polycentropus</i>	L	-	5	Hilsenhoff 1995		
<i>Lype diversa</i>	L	I	1	"		
<i>Optioservus</i>	L	X-III	18	Hib, Schan. 1992	imm	N
<i>O. fastidius</i> L, 2 A, 1	L, A	III	3	"		
<i>Nemerochromia</i>	L	-I	6	Court, Merr. 2008		
<i>Chrysops</i>	L	I	1	Hilsenhoff 1995		
<i>Pisicoides</i>	L	II	2	"		
<i>Tipula</i>	L	II	2	"		
Megadrili Lumbricidae	A	II	2	Bain, Gidd. 1991		
Pisidiidae	A	I	1	McMahon 1991	dam	N
<i>Pisidium</i>	A	X	10	Burch 1972		
split A3 Chironomidae	(JSD)					
<i>Bezzia/ Palpomyia</i>	L	X II	12	Hilsenhoff 1995		
<i>Conchapelopia</i>	L	II	2	Cran, Epler 2013		
<i>Meropelopia</i>	L	I	1	"		
<i>Zaurelimyia</i>	L	III	3	"		
<i>Thienemannimyia</i> group	L	I	1	"	mt indet	N
<i>Corynura</i>	L	I	1	Ander +3 2013		
<i>Parameletia</i>	L	I	1	"		
<i>Cladotanytarsus</i>	L	- IIII	9	Epler et al 2013		
<i>Paratanytarsus longistylus</i>	L	I	1	"		
<i>Paratendipes</i>	L	-	5	"		

