

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name CHAP CREEK		Waterbody ID Code 2155000		Sample ID (YYYYMMDD-CY-FD) 2018/11/14-09-07	
Sampling Location DS 3m			Database Key 169417062		
SWIMS Station ID 10008681		SWIMS Station Name CHAP CREEK AT 270TH ST. [1]			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) LOWER CHIPPEWA		Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER		County CHIPPEWA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) CHRISTOPHER J WILLGER, MYCAL C RAI			Project Name BIG DRYWOOD/LITTLE DRYWOOD TWA 2018		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame 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 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) 30 sec	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1		Replicate No. <u>1</u> of <u>1</u>	
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 checked="" type="checkbox"/> Other: _____					
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<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)		
Measured Velocity	circle units m/s or f/s	Average Stream Depth of reach (m) 0.25		Average Stream Width of reach (m) 2m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): _____	
Sand: _____		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: <u>100</u>	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) <u>N/A</u>			Canopy Cover at Sample Site (%) <u>0</u>		

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		PH	
Bank Erosion				Runoff: - Barnyard		PL	
Channelization: - Upstream				- Construction		N	
- Downstream				- Cropland		PH	
Hydraulic Scour / Channel Incision				- Urban		N	
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kyle Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>5/29/19</i>	Specimens Saved <i>Subsample archived in DBL until Jul 2022</i>	

C2 = 62 E3 = 35
A1 = 49
(146)

Wisconsin Department of Natural Resources

ABL SampleNum: 20181114-09-07

Taxonomist: Dimick, Jeffrey

Waterbody: Chap Creek
SWIMS Database Key: 169417062

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Caenis</i>	L	II	2	Klch 2016	imm	N
<i>C. latipennis</i>	L	II	5	"		
<i>Leptophlebia</i>	L	II	2	"	imm	
<i>Coenagrionidae</i>	L	II	2	West May 1996	imm	
<i>Limnephilidae</i>	L	I	1	Hils 1985	imm	
<i>Dibiraphia quadrinotata</i>	A	II	2	Hils Schm 1992		
<i>Tropisternus glaber</i>	A	I	1	Hils 1995c		
<i>Dixella</i>	L	I	1	Hils 1985		
<i>Gammarus pseudolimnacus</i>	A	XIII	13	Hils 1972		
<i>Hyalella azteca</i>	A	IIII	4	Sevcek et al 2015		
<i>Caecidotea racovitzai racovitzai</i>	A	0-III	29	Will 1972		
<i>Cyclopidae</i>	A	-III	8	Thorp Rog 2016		
<i>Naidinae</i>	A	II	2	Brin Geld 1981		
<i>Megadrili = Metagynophora</i>	A	I	1	Thorp Rog 2016		
<i>Physa</i>	A	-II	7	"		
<i>Cyranus deflexus</i>	A	I	1	Burch 1989		
<i>Helisoma anceps</i>	A	I	1	"		
<i>Spitiza chironomidae</i>	L	8x III				
<i>Spitiza chironomidae</i>	L	0-III IV				
<i>Brillia flavifrons</i>	L	I	1	Epler 2001		
<i>Cryptochironomus</i>	L	I	1	Epl et al 2013		
<i>Conchapelopia</i> 08270700	L	XI	11	cran Epl 2013		
<i>Meropelopia</i>	L	IIII	4	"		
<i>Thienemannimyza</i> group	L	-	5	"	mt indet/imm	N
<i>Limnophyes</i>	L	III	3	And + 3 2013		
<i>Parametrioctenemus</i>	L	-	5	"		
<i>Cricotopus (Psocadius) sylvestris</i> group	L	II	2	"		
<i>Chironominae</i> 08330000	L	I	1	Cranston 2013	mt indet	N
<i>Micropectra</i>	L	-IIII	9	Epl et al 2013		
<i>Paratanytarsus</i>	L	-IIII	9	"	mt indet	N
<i>P. species A</i>	L	XIII	13	Hils unpubl		
<i>Polypedilum (Polypedilum) illinoense</i> group	L	IIII	4	Bolton 2012		
<i>P. (Uresipedilum) aviceps</i>	L	II	2	"		
<i>Zucotanytarsus</i>	L	X	10	Epl et al 2013		
<i>Stictochironomus</i>	L	I	1	"		