

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BIG DRYWOOD CREEK	Waterbody ID Code 2154800	Sample ID (YYYYMMDD-CY-FD) 20181114-09-06
--	-------------------------------------	---

Sampling Location	Database Key 169417058
--------------------------	----------------------------------

SWIMS Station ID 10008689	SWIMS Station Name 9 - BIG DRYWOOD CREEK - HWY EE
-------------------------------------	---

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

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) 1	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 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 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)	Average Stream Width of reach (m)
--	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 10
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **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
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		
Physical			Bank Erosion		
Bank Erosion			Point Source - Specify:		
Channelization: - Upstream			Pasturing of Livestock		N
- Downstream			Runoff: - Barnyard		N
Hydraulic Scour / Channel Incision			- Construction		N
Impoundment: - Upstream			- Cropland		N
- Downstream			- Urban		N
Low Flow			Septic Systems		
Sedimentation			Tile Drainage - Organic Soils		
Sludge			- Mineral Soils		
Thermal			Springs		
Turbidity			Tributary(s)		
Other - Specify:			Wetland		
			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Keyla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>47%</i>
Date Processed <i>5/29/19</i>	Specimens Saved <i>Subsample archived in ABL until Jul 2022</i>	

B2 C1= C2= D2= E3 14
B3 } 55 B1= } 61
130

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Albannia	L	x	15	Hils 1995		
Taeniopteryx nivalis	L	1	1	Foll Stew 1980		
Stenacron	L	ii	3	Kleb 2016	imm	
Maccafflerium vicarium	L	1	1	"		
Leptophlebia	L	ii	2	"	imm	
Cheumatopsyche	L	ii	2	Hils 1995		
Dubiraphia	L	iiii	4	Hils Schm 1992		
Optroservus	L	ii	2	"	imm	
Gammarus pseudolimnaeus	A	1	1	Hils 1972		
Mermithidae	A	1	1	Thorp Reg 2016	imm	
Tubificinae (without hairs)	A	iii	5	Klemm 1985		
Pisidium	A	ii	2	Burch 1972		
Sphaerium	A	-1	6	"		
Idoptageniidae	A	1	1	Kleb 2016	imm	N
Mallochochelea	L	1	1	Hils 1995		
Spitt Az Chironomidae	L	8-iiii	11			
Brillia flavifrons	L	iiii	4	Epler 2001		
Corynephora	L	1	1	And+3 2013		
Microtendipes pedellus group	L	iii	3	Epl et al 2013		
Stictochironomus	L	8xi	52	"		
Symphotnastria	L	ii	2	Soth And 2013		
Hydrobaenus	L	-	5	And+3 2013		
Parakiefferella	L	1	1	"		
Tvetenia bavarica group	L	1	1	Bode 1983		
Orthocladius (Orthocladius)	L	-	5	And+3 2013		Y
O. (O.) oliveri	L	xi	11	Epler 2001		
Cricotopus	L	1	1	And+3 2013		
Cladotanytarsus	L	-	5	Epl et al 2013		
Paratendipes	L	1	1	"		
Polypedium (Tripodura) scalaeum group	L	1	1	Bolton 2012		
Tanytarsus	L	1	1	Epl et al 2013		