

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name APPLE CREEK	Waterbody ID Code 124100	Sample ID (YYYYMMDD-CY-FD) 20181015-45-01
Sampling Location 20 m US CTH N		Database Key 168363508

SWIMS Station ID 10051347	SWIMS Station Name APPLE CREEK 15M US UNT US CTH N
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER FOX	Watershed Name APPLE AND ASHWAUBENON CREEKS	County OUTAGAMIE
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name 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

Total Sampling Time (min) 3	Estimated Area Sampled (m²) 6	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: Natural Community

Water Temp. (C) 7.6	D.O. (mg/l) 10.3	D.O. (% sat.) 86.3	pH (su) 7.7	Conductivity (umhos/cm) .839	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 60
Canopy Cover at Sample Site (%) 0

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	N	N	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)	PL	PL
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	U	- Organic (PCBs, pesticides...)	N	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	U
Bank Erosion	U	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	PL	PL	- Construction	N	U
- Downstream	PL	PL	- Cropland	N	U
Hydraulic Scour / Channel Incision	U	U	- Urban	U	U
Impoundment: - Upstream	U	U	Septic Systems	U	U
- Downstream	U	U	Tile Drainage - Organic Soils	N	U
Low Flow	U	U	- Mineral Soils	N	U
Sedimentation	U	U	Springs	N	U
Sludge	N	N	Tributary(s)	U	U
Thermal	N	N	Wetland	U	U
Turbidity	U	U	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>7%</i>
Date Processed <i>8/5/19</i>	Specimens Saved <i>188</i>	

B2-188

Subsample archived in DSL until Oct 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	x	10	Klich 2016		
<i>Caenis punctata</i>	L	11 11	3	"		
<i>Stenacron</i>	L	u	2	"		
<i>Cheumatopsyche</i>	L	x-1111	19	Hrls 1995		
<i>Hydropsyche betteni</i>	L	"	2	Schmitts 1986		
<i>Caenis</i>	L	"	2	Klich 2016	imm	N
<i>Dubiraphia</i>	L	x-11	17	Hrls/Schm 1992		N
<i>D. vittata</i>	A	u	2	"		
<i>Optiosepus</i>	L	-1111	9	"	imm	N
<i>O. fastiditus</i>	L, 5	A, 1	6	"		
<i>Stenelmis</i>	L	"	2	"		
<i>Mallochchelea</i>	L	1	1	Hrls 1995		
<i>Pericoma</i>	L	1	1	"		
<i>Simulium vittatum</i> species complex 08110217	L	111	3	Adl et al 2004		
<i>Chryseps</i>	L	1111	4	Hrls 1995		
<i>Thienemannella</i>	P	1	1	Ferr et al 2008		
<i>Hyalella spinicauda</i>	A	x-11	17	Soucek et al 2015		
<i>Caecidotea intermedia</i>	A	x-1	16	Will 1972		
Tubificinae (without hairs)	A	-111	8 7	Klemm 1985		
<i>Coenobolus</i> 08270700	L	111	3	Cran Epl 2013		
Orthocladiinae 08300000	L	u	2	Cranston 2013	mt indet imm	N
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicornatus</i> group	L	1	1	Adl + 3 2013		
<i>Hydrobaenus</i>	L	1	1	"		
Chironominae 08330000	L	1	1	Cranston 2013	mt indet	Y
<i>Cryptochironomus</i>	L	1	1	Epl et al 2013		
<i>Dicrotendipes</i>	L	"	2	"		
<i>Microtendipes pedellus</i> group	L	-11	7	"		
<i>Paratanytarsus</i>	L	1	1	"	mt indet	N
<i>P. species A</i>	L	111	3	Hrls unpubl		
<i>Paratendipes</i>	L	11	2	Epl et al 2013		
<i>Polypedilum</i> (<i>Polypedilum</i>) <i>lactum</i> group	L	1	1	Bolton 2012		
<i>P. (Vesipedilum) flavum</i>	L	-111	8	"		
<i>Stictotanytarsus</i> <i>Stictochironomus</i>	L	1111	23	Epl et al 2013		
<i>Tanytarsus</i>	L	1	5	"		