

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name OTTER CREEK	Waterbody ID Code 1258400	Sample ID (YYYYMMDD-CY-FD) 20170409-57-c
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Sampling Location 30m upstream of first bridge in TNC property - Stone's Pocket Rd.	Database Key 144158831
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SWIMS Station ID 10010772	SWIMS Station Name OTTER CREEK - OTTER CREEK HEADWATERS LI-71
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Latitude 43.38526 N	Longitude 89.79912 W	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name HONEY CREEK	County SAUK
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Sample and Site Descriptors

Sample Collector (Last Name, First) MICHAEL MILLER	Project Name PARTNERSHIP TO DEVELOP REGIONAL MONITORING NET
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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) 20	Estimated Area Sampled (m²) 3	Number of Samples in Composite 4	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Climate Change Study

Water Temp. (C) 13	D.O. (mg/l) 12.0	D.O. (% sat.)	pH (su) 7.8	Conductivity (umhos/cm) 89	Transparency (cm) 120+
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 2.8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10
 Rubble (tennisball to basketball): 70
 Gravel (ladybug to tennisball): 20
 Sand: _____ Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 0
Canopy Cover at Sample Site (%) 20% (leaf off)

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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
Biological				Chemical			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae		PL	PL	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:			
Physical				Pasturing of Livestock			
Bank Erosion		PL	PL	Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision		PH	PH	- Urban			
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: High gradient stream, prone to storm flows, streambed dominated by cobble making invert sampling a challenge

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Keya Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>10/12</i>	Specimens Saved <i>Subsample archived in ABC until Dec 2020</i>	

A3-141

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	i	1	Hilsenhoff 1995		
<i>Leuctra</i>	L	-	5	"	dam/imm	N
<i>L. sibleyi</i>	L	"	2	Hitchcock 1974		
<i>Amphinemura</i>	L	"	2	Hilsenhoff 1995	imm	N
<i>A. delosa/varshava</i>	L	i	1	Dimick unpubl.		
<i>Prostia similis</i>	L	i	1	Hitchcock 1974		
<i>Acronemura lyonias</i>	L	i	1	"		
<i>Isoperla</i>	L	i	1	Hilsenhoff 1995	dam	N
<i>I. dicata</i>	L	-	5	Hilsenhoff 1992		
<i>I. frisoni</i>	L	-	5	"		
<i>Baetis tricaudatus</i>	L	i	1	Kubertanz 2016		
<i>Caenis latipennis</i>	L	i	1	"		
<i>Ephemerella needhami</i>	L	i	1	"		
<i>Leucocuta</i>	L	-ii	7	"		
<i>Leptophlebia cupida</i>	L	i	1	"		
<i>Paraleptophlebia</i>	L	-iii	8	"	dam/imm	N
<i>P. mollis</i>	L	xiii	14	"		
<i>Stalis</i>	L	iiii	4	Hilsenhoff 1995		
<i>Bezia/Palpomyia</i>	L	i	1	"		
<i>Prosimulium mixtum</i>	L	i	1	Adler et al 2004		
<i>Pseudolimnophila</i>	L	iii	3	Hilsenhoff 1995		
<i>Tipula</i>	L	i	1	"		
<i>Branchiobdellida</i>	A	i	1	Brin, Geth. 1991		
<i>Corynephora</i>	P	-	5	Fen et al. 2008		
<i>Orthocladius (Orthocladius)</i>	P	i	1	Coff. et al 1986		
<i>Conomyia</i>	L	iii	3	Cran, Epler 2013		
<i>Thienemannimyia group</i>	L	i	1	"	not ident	N
<i>Orthocladinae</i>	L	i	1	Cranston 2013	dam	N
<i>Diamesa</i>	L	iiii	4	Saath, Ander. 2013		
<i>Corynephora</i>	L	-i	6	Ander. + 3 2013		N
<i>Chaetocladius</i>	L	i	1	"		
<i>Eukiefferiella</i>	L	i	1	"	imm	N
<i>Eu. claripennis group</i>	L	xii	12	"		
<i>Heterotrissocladius marcidus group</i>	L	i	1	"		
<i>Parakiefferiella</i>	L	i	1	"		
<i>Parameletrocnemus</i>	L	iiii	4	"		

