

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name OTTER CREEK		Waterbody ID Code 812600	Sample ID (YYYYMMDD-CY-FD) 20171113-54-01
Sampling Location <i>50m downstream Klug Rd</i>		Database Key 151303110	
SWIMS Station ID 10012580		SWIMS Station Name OTTER CREEK: KLUG RD.(8 FT WEST OF BRIDGE)	
Latitude <i>42.82149</i>	Longitude <i>88.91586</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER ROCK		Watershed Name LOWER KOSHKONONG CREEK	County ROCK

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

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) <i>2</i>	Estimated Area Sampled (m ²) <i>2</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason for Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) <i>1.6</i>	D.O. (mg/l) <i>14.95</i>	D.O. (% sat.) <i>106.9</i>	pH (su) <i>8.85</i>	Conductivity (umhos/cm) <i>529</i>	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 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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *30* Gravel (ladybug to tennisball): *50*
 Sand: *20* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) *20* 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			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- 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

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Camarache</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>10/19/18</i>	Specimens Saved <i>Subsample archived in ABL until Jan 2022</i>	

*1C 3B 1B
 75 43 59 184 specs*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Teniplopteryx	L	i	1	Hils 1995	imm	N
T. nivalis	L	i	1	Foll Stew 1980		
Hydropsychidae	L	i	1	Hils 1995	imm	N
Ceratomyza	L	ii-ii	27	"		
Hydropsyche betteni	L	iii	4	Schm Hils 1995b		
Ceratomyza brenta	L	iii	3	"		
Hydropsyche	L	i	1	Hils 1995		
Limnephilidae	L	ii	2	"	imm	
Psychomyia flavida	L	i	1	"		
Neophytax	L	ii	2	"	imm	
Optiosevus	L	ii-iii	32	Hils Schm 1992	imm	N
O. fastidius	L A	ii-iii	63	"		
Stenelmis	L	ii	7	"		
Liodessus affinis	A	i	1	Hils 1994		
Hemerodromia	L	i	6	Coast Merr 2008		
Antocha	L	i	5	Hils 1995		
Dicranota	L	ii	3	"		
Gammarus pseudolimnaeus	A	iii	8	Hils 1972		
Tubificinae (without hairs)	A	i	6	Klemm 1995		
Dugesinae	A	i	1	Thorp Reg 2016		
Lodiplex fuscus	A	ii	2	"		
Physa	A	i	1	"		
Sphaerium	A	iii	3	Burch 1972		
Orthocladiinae 08300000	L	i	1	Crawston 2013	not ident	N
Tretenia bavaria group	L	iii	4	Boke 1983		
Cricotopus/orthocladus	L	i	1	Ferrel et al 2008	imm	
Microtendipes pedellus group	L	i	1	Epl et al 2008		
Polypedium (Polypedium) laetum group	L	i	1	Bolton 2012		
P. (Uresinedilum) flavum	L	ii	2	"		
Zhectonycterus	L	ii	2	Epl et al 2013		

