

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name LOWERY CREEK			Waterbody ID Code 1241400		Sample ID (YYYYMMDD-CY-FD) 20201103-25-05	
Sampling Location ~5m DS of Taliesin Driveway Crossing					Database Key 252558576	
SWIMS Station ID 10050874		SWIMS Station Name LOWERY CR. DS CTH-C,				
Latitude 43.14198	Longitude -90.06992	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) LOWER WISCONSIN		Watershed Name OTTER AND MORREY CREEKS			County IOWA	
Sample and Site Descriptors						
Sample Collector (Last Name, First) KIMBERLY KUBER				Project Name LOWERY CREEK (IOWA COUNTY) TWA 2020		
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 checked="" type="checkbox"/> Riffle		<input 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) 2	Estimated Area Sampled (m²) 2		Number of Samples in Composite		Replicate No. _____ of _____	
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: <u>Lowery Creek (Iowa County) TWA 2020</u>		
Water Temp. (C) 8.6	D.O. (mg/l) 11.4	D.O. (% sat.) 101	pH (su) 8.54	Conductivity (umhos/cm) 541.9		Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> <u>Slightly</u> Turbid <input type="checkbox"/> Stained			<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)			
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.1		Average Stream Width of reach (m) 7		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): <u>10</u>	Rubble (tennisball to basketball): <u>20</u>		Gravel (ladybug to tennisball): <u>50</u>	
Sand: <u>20</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>30</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:			
Physical				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>Dunn, Isabel</i>	Taxonomist <i>Demick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>12.5%</i>
Date Processed <i>7/13/2021</i>	Specimens Saved <i>Subsample archived in ABC label Aug 2024</i>	

8:00-
1:10

B2 D2
 4
2
3
1 } 73
 1
2
3
4 } 45
 4-17

(135)

Wisconsin Department of Natural Resources

ABL SampleNum: 20201103-25-05

Taxonomist: Dimick, Jeffrey

Waterbody: Lowery Creek

SWIMS Database Key: 252558576

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	0111	23	Klub 2016		
Hydropsychidae	L	11	3	MCB 2019	det/imm	N
<i>Ceratopsyche morosa bifida</i> form	L	1	1	Schm Hils 1986		
<i>C. glossonae</i>	L	1	1	"		
<i>C. spama</i>	L	1111	8	"		
<i>Cheumatopsyche</i>	L	111	3	MCB 2019		
<i>Hydropsyche betterii</i>	L	1111	17	Schm Hils 1986		
<i>Oligoneurus</i>	L	0	20	MCB 2019	imm	
<i>Stenelmis crenata</i>	A	1	1	Hils Schm 1992		
<i>Diamesa</i>	P	1	1	MCB 2019		
<i>Cricotopus (Cricotopus) bicinctus</i> group	P	11	2	Wieder 1986		
<i>Orthocladius (Orthocladius)</i>	P	11	2	"		
<i>Probezzia</i>	L	1111	4	Hils 1995		
<i>Nemerochroma</i>	L	111	8	MCB 2019		
<i>Neoplasia</i>	L	11	2	"		
<i>Artocha</i>	L	1	1	"		
<i>Dicranota</i>	L	11	2	"		
<i>Dugesidae</i>	A	1	1	Thorp Reg 2016		
<i>Naidinae</i>	A	1111	4	Kahn Bonn 1998		
<i>Tubificonae (without hairs)</i>	A	111	3	"		
<i>Sperchonidae</i>	A	11	2	Peck et al 1990		
Split A2 Chironomidae	L	01111-1111				
<i>Parametriocnemus</i>	L	11111	11	Ans et al 2013		
<i>Cladotanytarsus</i>	L	1	1	"		
<i>Microtendipes pedellus</i> group	L	11	2	"		
<i>Orthocladiinae</i>	L	111	3	"	not indet imm	N
<i>Cricotopus</i>	L	1	1	"		Y
<i>C. (Cricotopus) bicinctus</i> group	L	1	1	"		N
<i>Orthocladius</i>	L	111	11	"	imm	N
<i>O. (Orthocladius)</i>	L	111	3	"		N
<i>Parakiefferiella</i>	L	11	2	"		
<i>Twetenia bavaria</i> group	L	11	2	Bode 1983		
<i>Chironominae</i>	L	1	1	Ans et al 2013	not indet	N
<i>Microsestera</i>	L	1	1	"		
<i>Polyperilum</i>	L	1	1	"	imm	Y
<i>P. (Vhesipedium) ariceps</i>	L	1	1	Bolton 2012		