

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LOWERY CREEK	Waterbody ID Code 1241400	Sample ID (YYYYMMDD-CY-FD) 20201103-25-04
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Sampling Location Under CTH Z Bridge	Database Key 252558580
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SWIMS Station ID 10050689	SWIMS Station Name LOWERY CREEK AT CTH Z
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Latitude 43.13316	Longitude -90.06460	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name OTTER AND MORREY CREEKS	County IOWA
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Sample and Site Descriptors

Sample Collector (Last Name, First) KIMBERLY KUBER	Project Name LOWERY CREEK (IOWA COUNTY) TWA 2020
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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) 3	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Lowery Creek (Iowa County) TWA 2020

Water Temp. (C) 7.7	D.O. (mg/l) 11.0	D.O. (% sat.) 95	pH (su) 8.30	Conductivity (umhos/cm) 537.1	Transparency (cm)
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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 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) 0.45	Average Stream Width of reach (m) 4.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: 40 Silt/Muck: 20 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 50
Canopy Cover at Sample Site (%) 100 - bridge

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>37.5%</i>
Date Processed <i>7/9/2021</i>	Specimens Saved <i>Subsample archived in ABL until Aug 2021</i>	

3:50-
6:10
10:25-
1:25

D2 *C4* *C2* *C1* *B3* *D4* *A3* *B1* *C3*

27 *1* *3* *4* *22* *3* *4* *2* *81*

(125)

Wisconsin Department of Natural Resources

ABL SampleNum: 20201103-25-04

Taxonomist: Dimick, Jeffrey

Waterbody: Lowery Creek
SWIMS Database Key: 252558580

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L II		2	Kleb 2016		
Stenacron	L XII		12	MCB 2019		
Cheumatopsyche	L III		3	"		
Hydropsyche	L I		1	Hils 1995	imm	N
H. bellieni	L II		2	Schm Hils 1986		
Lepidostoma	L I		1	MCB 2019		
Limnephilidae	L -I		6	"	imm	N
Pyropsyche	L II		2	"		
Optoseruus fastidius L, I A, I	L, A II		2	Hils Schm 1992		
Probezzia	L III		3	Hils 1995		
Pericoma	L II		2	MCB 2019		
Chrysops	L I		1	"		
Antocha	L I		1	"		
Dicranota	L I		1	"		
Pilaria	L un		4	"		
Gammarus pseudolimnaeus	A 01		21	Hols 1972		
Caecidotea	A I		1	Thorp 2016	fem	
Tricladida	A I		1	"		
Pisidium	A I		1	"		
Nemerochromia	L II		2	MCB 2019		
Enchytraeidae	A II		2	Thorp 2016		
Naidinae	A II		2	Kath Brin 1998		
Tubificinae (with hairs)	A I		1	"		Y
Tubificinae (without hairs)	A Bx-III		58	"		Y
Split A2 Chironomidae	L B-T III					
Diamesa	L I		1	And et al 2013		
Parametrocnemus	L III		3	"		
Cladotanytarsus	L II		2	"		
Cryptochironomus	L -III		8	"		
Microtendipes pedellus group	L I		1	"		
Rheotanytarsus	L III		3	"		
Odontomesa filva	L II		2	Epler 2001		
Orthocladiinae	L III		3	And et al 2013	imm	N
Cricotopus	L II		2	"		
Orthocladius (orthocladius)	L II		2	"		
Parakrefferiella	L -I		6	"		
Tvetenia bavarica group	L II		2	Bode 1983		

