

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MT VERNON CREEK		Waterbody ID Code 886600	Sample ID (YYYYMMDD-CY-FD) 20211011-13-01
Sampling Location 5m downstream of CTH U			Database Key 292586024
SWIMS Station ID 10013350	SWIMS Station Name MT VERNON CREEK AT HWY U		
Latitude 42.94064	Longitude -89.64703	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name WEST BRANCH SUGAR RIVER - MT. VERNON	County DANE

Sample and Site Descriptors

Sample Collector (Last Name, First) KIMBERLY A KUBER, JAMES F AMRHEIN	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 12.5	D.O. (mg/l) 8.78	D.O. (% sat.) 82.3	pH (su)	Conductivity (umhos/cm)	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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) _____ **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				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>Patrick Catalano</i>	Taxonomist <i>Dimick Jeffray</i>	Estimated Percent of Sample Sorted Rep A = 12.5% Rep B = 18.0%
Date Processed <i>10/20/2022</i>	Specimens Saved <i>Rep A = 128</i>	<i>Rep B = 126</i> subsamples archived in ABL until Jan 2026

D4 03, 26
06 4, 14
06 2, 9
06 1, 25

B3 02 16
04 14 = 128
03 17
01 7

Replicate
D3 01, 14
04, 8
02, 5
03, 14

B4 01, 7
04, 30
03, 17
02, 10

105

A1 03 41
01, 6
04, 1
02, 10

C1

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
Baetis brunneicolor	L	0	1		Klub 2016		
Brachycentrus occidentalis	L	0	2		Hils 1985		
Microsema gelidum	L	1	0		"		
Hydropsychidae	L	0	1		MCB 2019	imm	N
Ceratopsycha glossanoe	L	5	13		Schm Hils 1986		
Cheumatopsyche	L	1	0		MCB 2019		
Hydroptila	L	0	1		Wiggins 1977		
Sialis	L	1	0		MCB 2019		
Optioservus fastiditus	L	2	4		Hils Schm 1992		
Ephemerella	L	0	1		MCB 2019	imm	
Maillochorelea	L	0	1		MCB 2008		
Orthocladiinae	P	2	1		MCB 2019	dam	N
Cricotopus (Cricotopus)	P	1	1		Wieder 1986		
Orthocladius (Orthocladius)	P	1	2		"		N
Paratanytarsus	P	1	1		MCB 2019		N
Simulium vittatum species complex 08160217	L	1	0		Acleretal 2004		
Gammarus pseudolimnoides	A	6	11		Hils 1972		
Coelocopa	A	2	0		Thorp Zeg 2016	imm	
Mermithidae	A	2	0		"		
Potamopyrgus antipodarum	A	9	23		"		
Physa	A	1	14		"		
Physa Pisidium	A	5	11		"		
Trembitiformes	A	1	0		"	dam	N
Hydrobates	A	8	10		Pek et al 1990		
Lebertia	A	16	24		"		
Speronidae	A	3	8		"		
Enchytraeidae	A	0	1		Thorp Zeg 2016		
Naididae	A	5	8		Katiborn 1988		Y
Ophidocaris serpentina	A	14	17		"		
Tubificinae (with hairs)	A	1	0		"		Y
Tubificinae (without hairs)	A	40	36		"		Y
Spit to Chironomidae	L	24	23	10			
Tanytarsinae	L	1	0		Acleretal 2013	imm	
Orthocladiinae	L	1	0		"	imm	N
Cricotopus (Isocladius)	L	1	0		"	not idet	
Orthocladius (Orthocladius)	L	0	7		"		
Synorthocladius	L	2	0		"		
Thienemannella	L	0	2		"	dam	
Cladotanytarsus	L	0	1		"		

