

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Mill Creek	Waterbody ID Code 1398600	Sample ID (YYYYMMDD-CY-FD) 20211007-50-04
-------------------------------------	-------------------------------------	---

Sampling Location
Mill Creek @ CTH M

SWIMS Station ID 10032102	SWIMS Station Name Mill Creek @ CTH M #842	Database Key 290609B58
-------------------------------------	--	----------------------------------

Latitude 44.54046	Longitude 89.66890	Lat/Long Determination method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS NAD 27 or NAD83
-----------------------------	------------------------------	--	---

Basin (WMU) Central Wisconsin	Watershed Name Mill Creek	County Portage
---	-------------------------------------	--------------------------

Sample and Site Descriptors

Sample Collector (Last Name, First) Hutchinson, Colton	Project Name Mill Creek TWA
--	---------------------------------------

Sampling Device

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) 5 min	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. 1 of 1
---	--	--	------------------------------------

Reason for Sampling

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

Water Temp. (C) 16.4	D.O. (mg/l) 6.89	D.O. (% sat.) 70.5	pH (su) 7.41	Conductivity (umhos/cm) 517	Transparency (cm)
--------------------------------	----------------------------	------------------------------	------------------------	---------------------------------------	--------------------------

Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (>0.5 m/s)
--	---

Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
--	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball.): 20
 Sand: 30 Clay: 10 Silt/Muck: 10 Overhanging Vegetation: 5
 Aquatic Macrophytes: - Leaf Snags: - Course Woody Debris: 5 Other (): _____
 Embeddedness of Substrate at Sample Site (%): 5 Canopy Cover at Sample Site (%): 15

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

Page 2 of 2

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	N	U	Chlorine	N	U
- Filamentous Algae	N	U	Dissolved Oxygen	N	U
- Planktonic Algae	N	U	Nutrients (P, N....)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides ...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
Physical			Bank Erosion	PL	PL
Bank Erosion	PL	PL	Point Source - Specify:	N	U
Channelization - Upstream	N	U	Pasturing of Livestock	N	U
- Downstream	N	U	Runoff: - Barnyard	N	U
Hydraulic Scour / Channel Incision	N	U	- Construction	N	U
Impoundment: - Upstream	N	U	- Cropland	PL	U
- Downstream	N	U	- Urban	N	U
Low Flow	N	U	Septic Systems		
Sedimentation	PL	U	Tile Drainage - Organic Soils	N	U
Sludge	N	U	- Minerals soils	N	U
Thermal	N	U	Springs	N	U
Turbidity	PL	U	Tributary(s)	PL	U
Other - Specify:			Wetland	N	U
			Other - Specify:		

Comments:

Special Instructions for Laboratory:

For Lab Use Only		
Sample Sorter <i>Reed, Kayla</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 39.0%
Date Processed 5-9-2022	Specimens Saved <i>Subsample archived in 140 ABL until Jul 2025</i>	

B1	D4	A4	C3	A2	B3	B2
Q3 Q1 Q2 Q4	Q3 Q4 Q1 Q2	Q3 Q2 Q4 Q1	Q4 Q1 Q2 Q3	Q4 Q1 Q3 Q2	Q4 Q2 Q3 Q1	Q1
↓ ↓ ↓ ↓	↓ ↓ ↓ ↓	↓ ↓ ↓ ↓	↓ ↓ ↓ ↓	↓ ↓ ↓ ↓	↓ ↓ ↓ ↓	↓
4 0 2 6	3 1 2 2	5 4 9 2	10 4 19 22	16 4 1 2	1 0 1 4	16

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Calopteryx aequabilis</i>	L	i	1	West May 2006		
Coenagrionidae	L	iii	3	MCB 2019	imm	
<i>Belostoma flumineum</i>	A	ii	2	Hils 1984a		
<i>Rheumatobates palasi</i>	A	i	1	Hils 1986		
<i>Neophaea strosala</i>	A	x	10	Hils 1985		
<i>Nesperocorixa minorella</i>	A	ii	2	Hils 1984a		
<i>Sagora compressoides</i>	A	ii	2	"		
<i>S. signata</i>	A	i	1	"		
Limnephilidae	L	i	1	MCB 2019	imm	
<i>Philostomis</i>	L	i	1	"		
<i>Dibiraphia</i>	L	-	5	"		N
<i>D. quadrinotata</i>	A	ii	2	Hils Schm 1992		
<i>Stenelmis crenata</i>	A	i	1	"		
<i>Cyphon contacyphon</i>	L	i	1	MCB 2019 Hils 1985		
<i>Coryponeura</i>	P	i	1	MCB 2019		
<i>Gammarus pseudolimnoides</i>	A	xiii	14	Hils 1972		
<i>Caecidotea navitzae navitzae</i>	A	ii ii	2	Will 1972		
<i>Pisidium</i>	A	iiii	4	Thompson 2016		
Tubificinae (without hairs)	A	iii	3	Kath Brin 1998		
Naidinae	A	ii	2	"		
Split A2a Chironomidae	L	8x JJD				
Split A2b Chironomidae	L	8x JJD				
Split A2c Chironomidae	L	4x JJD				
<i>Brillia</i>	L	ii	2	And et al 2013	imm	
<i>Thienemannimyia</i>	L	i	1	"		
<i>Thienemannimyia</i> group	L	i	1	"	imm	N
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	ii	2	"		
<i>Nanodactylus (Nanodactylus)</i>	L	i	1	"	imm	
<i>Parakriefferiella</i>	L	ii	2	"		
Chironominae	L	iiii	8	"	mb endot imm	N
<i>Dicrotendipes</i>	L	i	1	"		
<i>Olyptotendipes</i>	L	ii	2	"		
<i>Microsetra</i>	L	0-iiii	29	"		
<i>Paratanytarsus species A</i>	L	xii	12	Hils (unpub)		
<i>Phanopsectra flavipes</i>	L	iiii	4	JJD Bolton 2012		
<i>P. phedrens</i> group	L	ii	2	Epler 2007 - JJD		

