

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name MELANCTHON CREEK			Waterbody ID Code 1232200		Sample ID (YYYYMMDD-CY-FD) 20191008-53-01	
Sampling Location ~25 m downstream STH 80 bridge					Database Key 212561666	
SWIMS Station ID 10014313		SWIMS Station Name MELANCTHON CREEK -BASELINE SURVEY (ATSTH 80)				
Latitude 43.50248	Longitude -90.35280	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 UPPER PINE RIVER		County RICHLAND	
Sample and Site Descriptors						
Sample Collector (Last Name, First) KIMBERLY KUBER				Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019		
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) /	Estimated Area Sampled (m²) /		Number of Samples in Composite /		Replicate No. _____ of _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference		<input checked="" type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____		
Water Temp. (C) 9.0	D.O. (mg/l) 11.72	D.O. (% sat.) 100.9	pH (su) 8.33	Conductivity (umhos/cm) 418		Transparency (cm)
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> 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)		Average Stream Width of reach (m)		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>70</u>		Gravel (ladybug to tennisball): <u>30</u>
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>N/A</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:			
				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 *NC: 289*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Naas, Eric</i>	Taxonomist <i>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>16-7-20</i>	Specimens Saved <i>Subsample archived in ABZ until Nov 2023</i>	

*C3Q1 01Q3 C3Q3 07Q4
 31 18 52 37 = 144*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brouneicolor</i>	L	III	3	Kilb 2016		
<i>B. tricaudatus</i>	L	-II	7	"		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Ephemerella</i> (<i>texanensis</i>)	L	-II	7	Merriam & B 2019	imm	Y
<i>E. subvarca</i>	L	-I	6	Kilb 2016		
<i>Maccaffertium medicopunctatum</i>	L	I	1	"		
<i>M. vicarium</i>	L	-I	6	"		
<i>Taeniopteryx</i>	L	I	1	Merriam & B 2019	imm	
<i>Brachycentrus occidentalis</i>	L	II	2	Hils 1985		
<i>Glossosoma</i>	L	I	1	Merriam & B 2019	imm	
<i>Ceratopsyche alhedra</i>	L	I	1	Hils & Schum 1986		
<i>C. glossanae</i>	L	XIII	13	"		
<i>Chrematopsyche</i>	L	I	1	Merriam & B 2019		
<i>Hydropsyche</i>	L	II	2	Hils 1985	imm	
<i>Psychomyia flavida</i>	L	II	2	"		
<i>Optiservus</i>	L	-III	9	Merriam & B 2019	imm	N
<i>O. fastidius</i> L. 12 A. 9	LA	01	21	Hils & Schum 1992		
<i>Atherix variegata</i>	L	II	2	Hils 1985		
<i>Hemerodromia</i>	L	I	1	Merriam & B 2019		
<i>Neoplasta</i>	L	II	2	"		
<i>Simulium therosum</i> species complex	L	II	2	Adl et al 2009		
<i>Antocha</i>	L	III	4	Merriam & B 2019		
<i>Gammarus pseudolimnaeus</i>	A	III	4	Hils 1972		
<i>Caecidotea</i>	A	XIV	13	Thorp & Poy 2016	imm	
<i>Ophidocaris serpentina</i>	A	I	1	Kathi Brin 1998		
Split <i>A. chloromaculata</i>	L	XIII				
<i>Diamasa</i>	L	I	1	Adl et al 2013		
<i>Eukiefferella danipennis</i> group	L	II	2	"		
<i>E. danica</i> group	L	-III	8	"		
<i>Tvetenia bavarica</i> group	L	II	2	Bede (1983) (J)		
<i>Rhyacophila</i>	L	II	3	Adl et al (1983) 2013		
<i>Orthocladius</i> 0830000	L	III	4	"	imm	N
<i>Cricotopus</i>	L	I	1	"		N
<i>C. (Cricotopus) tremulus</i> group	L	I	1	"		
<i>C. (C.) trifascia</i> group	L	I	1	"		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	I	1	"		
<i>Stilocladius</i>	L	I	1	"		

