

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name KITTLESON VALLEY CREEK		Waterbody ID Code 907900	Sample ID (YYYYMMDD-CY-FD) 20181015-13-06
Sampling Location <i>10 m Upstream</i>			Database Key 170718273
SWIMS Station ID 10015428		SWIMS Station Name KITTLESON VALLEY CREEK - UPSTREAM STH 78	
Latitude <i>42.87037</i>	Longitude <i>89.80875</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name GORDON CREEK	County DANE

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name PLEASANT AND KITTLESON VALLEY 5 YEAR FOLLOW UP - 2018

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) <i>2</i>	Estimated Area Sampled (m ²) <i>2</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <i>9.1</i>	D.O. (mg/l) <i>12.28</i>	D.O. (% sat.) <i>106.6</i>	pH (su) <i>8.26</i>	Conductivity (umhos/cm) <i>543</i>	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): *10* Rubble (tennisball to basketball): *20* Gravel (ladybug to tennisball): *20*
 Sand: *20* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: *30* Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) *60* 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:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	<i>Kybra Wilcox</i>	Taxonomist	<i>Dimitri Jettrey</i>	Estimated Percent of Sample Sorted	<i>67%</i>
Date Processed	<i>6/19/19</i>	Specimens Saved	<i>132</i>		

*B3 = } 32
 D1 = }
 D3 = }
 B1 = 2
 C1 = 18
 A2 =
 A1 =
 A3 = 16
 D2 = 34 subsample archived in ABL with Aug 2022
 E2 = 30*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	0-11	27	Klwb 2016		
<i>B. tricaudatus</i>	L	"	2	"		
<i>B. flavistriga</i> species complex	L	III	9	"		
<i>Stenacron</i>	L	I	1	"		
<i>Brachycentrus occidentalis</i>	L	I	1	Hils 1985		
<i>Cheumatopsyche</i>	L	I	1	Hils 1985		
<i>Hydropsyche betteni</i>	L	III	8	Schmitts 1986		
<i>Ceratopsyche glossone</i>	L	IIII	4	"		
<i>Pycnopsyche</i>	L	III	3	Hils 1985		
<i>Ptilostomis</i>	L	I	1	"		
<i>Optiosenus fastiditus</i>	L	I	1	Hils Schum 1992		
<i>Hemerodromia</i>	L	-I	6	Court Merr 2008		
<i>Ecto Neoplasta</i>	L	II	2	"		
<i>Simulium vittatum</i> species complex 08110217	L	II	2	And et al 2004		
Ephydriidae	L	I	1	Court Merr 2008		
<i>Antocha</i>	L	X-II	17	Hils 1985		
<i>Diamesa</i>	P	III	4	Ferr et al 2008		
<i>Thienemannella</i>	P	I	1	"		N
<i>Paratanytarsus</i>	P	I	1	"		N
<i>Gammarus pseudolimnaeus</i>	A	-III	9	Hils 1972		
<i>Nyctozetes</i>	A	I	1	Much 1984		
Naididae	A	I	1	Brinfield 1991		
Tubificinae (without hairs)	A	-II	7	Klemm 1985		
<i>Stagnicola</i>	A	I	1	Brown 1991		
<i>Physa</i>	A	0-IV	24	Thorp 2016		
<i>Pisidium</i>	A	II	2	Mackie 2007		
split A2 chironomidae	L	0-2-20				
<i>Microtendipes pedellus</i> group	L	-II	7	Epl et al 2013		
<i>Diamesa</i>	L	III	3	South And 2013		N
<i>Pagastira</i>	L	I	1	"		
Orthocladinae 08300000	L	II	2	Cranston 2013	imm	Y
<i>Eukiefferiella claripennis</i> group	L	I	1	And + 3 2013		
<i>Parametriocnemus</i>	L	II	2	"		
<i>Thienemannella xena</i>	L	I	1	Bolton 2012		
<i>Cladotanytarsus</i>	L	-IIII	9	Epl et al 2013		
<i>Paratanytarsus longistilus</i>	L	I	1	"		

3 taxa, TVAL ≤ 2.0

41 < (0.1 x 128)

