

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name KITTLESON VALLEY CREEK		Waterbody ID Code 907900		Sample ID (YYYYMMDD-CY-FD) 20181015-13-05	
Sampling Location 250 m upstream of GTH H				Database Key 169818786	
SWIMS Station ID 10009432		SWIMS Station Name KITTLESON VALLEY UPSTREAM HWY H BRIDGE			
Latitude 42.87434	Longitude 89.79655		Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		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 -		
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	
		Other: _____			
Habitat Sampled					
<input type="checkbox"/> Riffle		<input checked="" 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) 1	Estimated Area Sampled (m²) 1		Number of Samples in Composite 1		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		Other: _____	
Water Temp. (C) 9.0	D.O. (mg/l) 11.92	D.O. (% sat.) 103.8	pH (su) 8.21	Conductivity (umhos/cm) 544	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): 10	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 30	
Sand: 10		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: 10		Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) 0			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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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 Logan Cutler	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 6/19/19	Specimens Saved 81 DI Total 103 + 121 = 224	

Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	III	3	Klubs 2016		
<i>B. tricaudatus</i>	L	II	2	"		
<i>Stenacron</i>	L	-(III)	9	"	imm	
<i>Ephemerella</i>	L	I	1	"		
Hydropsychidae	L	-	5	Hols 1995	imm	N
Ceratopsycha <i>Ceratopsycha</i>	L	B-VI	48	"		
<i>Hydropsyche betteni</i>	L	-	5	Schm Hols 1986		
<i>Ceratopsycha</i>	L	-	5	Hols 1995	imm	N
<i>C. glossonae</i>	L	x III	13	Schm Hols 1986		
<i>C. sparna</i>	L	-I	6	"		
<i>Opatroservus</i>	L	x IIII	14	Hols Schm 1992	imm	N
<i>O. fastiditus</i> L, 9 A, 4	L/A	x IIII	13	"		
<i>Hemicrodromia</i>	L	x	10	Court Merr 2008		
<i>Neoplasma</i>	L	I	1	"		
Ephydriidae	L	I	1	"		
<i>Simulium tuberosum</i> species complex	L	I	1	Adl et al 2004		
<i>Antocha</i>	L	x-III	19	Hols 1995		
<i>Dicranota</i>	L	I	1	"		
<i>Tvetenia</i>	P	II	2	Ferr et al 2000		
<i>Chironominae</i> OB330001	P	I	1	"	dam	N
<i>Paratanytarsus</i>	P	-III	8	"		N
<i>Gammarus pseudolimnaeus</i>	A	III	3	Hols 1972		
<i>Hydrobatas</i>	A	III	4	Pluch 1964		
<i>Limneta</i>	A	I	1	"		
Mermithidae	A	I	1	Thorp Rog 2016	imm	
Dugesidae	A	II	2	"		
Naidinae	A	II	2	Brin Geld 1991		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
<i>Physa</i>	A	II	2	Thorp Rog 2016		
<i>Pisidium</i>	A	I	1	Mackie 2007		
<i>Smittia chironomidae</i>	L	B-VI				
<i>Smittia chironomidae</i>	L	III				
<i>Eukiefferella devonica</i> group	L	I	1	And + 3 2013		
<i>Microtendipes pedellus</i> group	L	-III	9	Ed et al 2013		
<i>Thienemannimyia</i> group	L	I	1	Can Edl 2013		
<i>Pogastia</i>	L	I	1	Sath And 2013		

