

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED trib. of Sanders Creek	Waterbody ID Code 1205900	Sample ID (YYYYMMDD-CY-FD) 20161025-22-02
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Sampling Location	Database Key 135786470
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SWIMS Station ID 10031382	SWIMS Station Name UNNAMED SANDERS CREEK TRIB ADJACENT TO CTH S (100FT ABOVE CONFLUE
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Latitude 43.113743	Longitude -90.655464	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name GREEN RIVER AND CROOKED CREEK	County GRANT
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Sample and Site Descriptors

Sample Collector (Last Name, First) JEAN UNMUTH	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2016
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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) 3.0	Estimated Area Sampled (m²) 3.0	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) 8.2	D.O. (mg/l) 13.5	D.O. (% sat.) 111	pH (su) 7.9	Conductivity (umhos/cm) 626	Transparency (cm) >120
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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) 0.20	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10
 Canopy Cover at Sample Site (%) 50

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

Comments
 Many midge larvae tiny, immature. *WJ*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Andrew Bohlmann</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>4/20/17</i>	Specimens Saved <i>Subsample archived in ABC into 1 Oct 2020</i>	

*B2-76
 A3-165*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocaenia</i>	L	11	2	Hilsenhoff 1995		
^{1/1} <i>Isoneta signata</i>	L	i	1	Hilsenhoff 1982		
<i>Baetis brunneicolor</i>	L	x-III	18	Kluebertanz 2016		
^{2/3} <i>B. tricaudatus</i>	L	III	4	"		
<i>B. flavistriga</i> species complex	L	i	1	"		
<i>Ephemera</i>	L	III	4	"	imm	N
^{3/16} <i>E. excrucians</i>	L	x1	11	"		
<i>Stenacron interpunctatum</i>	L	i	1	"		
<i>Cheumatopsyche</i>	L	11	2	Hilsenhoff 1995		
<i>Hydropsyche betteri</i>	L	i	1	Schmiedl 1986		
<i>Ceratopsyche slossonae</i>	L	i	1	"		
<i>Chimarra aterrima</i>	L	-1	6	Hilsenhoff 1982		
^{4/17} <i>Psychomyia flavida</i>	L	i	1	Hilsenhoff 1995		
Baetidae	L	i	1	Kluebertanz 2016	imm	N
<i>Optioservus</i>	L	x11	12	Hil., Schm. 1992	imm	N
<i>O. fastiditus</i> L, 11 A, 11	L, A	011	22	"		
^{5/8} <i>Atherix variegata</i>	L	i	1	Hilsenhoff 1995		
<i>Simulium vittatum</i> species complex 08110218	L	i	1	Adler et al 2004		
<i>Amoeba</i>	L	i	1	Hilsenhoff 1995		
<i>Dicranota</i>	L	i	1	"		
<i>Gammarus pseudolimnaeus</i>	A	8-1	36	Nolsinger 1972		
<i>Limnesia</i>	A	u1	3	Pluchino 1984		
Empoedellidae	A	i	1	Davies 1991	dam	
Physa	A	i	1	Rogers 2016		
<i>Asidium</i>	A	i	1	Burch 1972		
split A3 Chironomidae	L	11-11				
<i>Orthocladius (orthocladius)</i>	P	i	1	Coffman et al 1986		
Chironomidae	L	i	1	Ehrh. Men. 2008	imm	N
Tanytrodinae	L	i	1	Cranston 2013	imm	
Orthocladinae 08300000	L	III	3	"	imm	N
<i>Parakiefferiella</i>	L	8-11	37	Anders + 3 2013		
<i>Parametriocnemus</i>	L	11	2	"		
<i>Thienemannella</i>	L	i	1	"		
<i>Tvetenia bavarica</i> group	L	III	3	Bode 1983		
Chironominae	L	i	1	Cranston 2013	imm	N
<i>Paratanytarsus longistilus</i>	L	11	2	Epler et al 2013		

>3 taxa, TVAL ≤ 2.0

18 > (0.1 x 172)

