

Instructions: Bold fields must be completed.

Station Summary		
<b>Waterbody Name</b> WENDT CREEK	<b>Waterbody ID Code</b> 1248900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20161004-13-01
<b>Sampling Location</b>		<b>Database Key</b> 135786212

<b>SWIMS Station ID</b> 10012610	<b>SWIMS Station Name</b> WENDT CREEK - CARTER RD.		
<b>Latitude</b> 43.165806	<b>Longitude</b> -89.74683	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	
<b>Basin (WMU)</b> LOWER WISCONSIN		<b>Watershed Name</b> BLACK EARTH CREEK	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>County</b> DANE			

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> JEAN UNMUTH	<b>Project Name</b> SOUTH DISTRICT NC STREAM STRATIFIED SITES 2016

**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

<b>Total Sampling Time (min)</b> 3.0	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3.0	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 13.3	<b>D.O. (mg/l)</b> 14.6	<b>D.O. (% sat.)</b> 137	<b>pH (su)</b> 7.96	<b>Conductivity (umhos/cm)</b> 680	<b>Transparency (cm)</b>
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<b>Water Color</b>	<b>Estimated Stream Velocity (m/s)</b>
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<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)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.30	<b>Average Stream Width of reach (m)</b> 1.0
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20  
 Sand: 16 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 10  
 Aquatic Macrophytes: 20 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%): 30 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
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	U	U	Chlorine	N	
- Filamentous Algae	PH	PH	Dissolved Oxygen		
- Planktonic Algae	PH	PH	Nutrients (P, N...)	PH	PH
Iron Bacteria	N		Toxics: - Inorganic (Metals)	N	
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	PH	PH
			Point Source - Specify:	N	
<b>Physical</b>			Pasturing of Livestock	N	
Bank Erosion	PH	PH	Runoff: - Barnyard	N	
Channelization: - Upstream	PH		- Construction	N	
- Downstream	PH	N	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	PH	PH	- Urban	N	N
Impoundment: - Upstream	PH	PH	Septic Systems	N	
- Downstream	N		Tile Drainage - Organic Soils		
Low Flow	N		- Mineral Soils	PH	
Sedimentation	PH	PH	Springs	N	
Sludge	N	N	Tributary(s)	N	
Thermal		PH	Wetland	N	
Turbidity	PH	PH	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Kuhre, Allison	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 4-18-17	Specimens Saved Subsample archived in DBL under Oct 2020	

E2 → 48  
 C1 → 68  
 E1 → 33

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	x III	13	Huberlanz 2016		
<i>Stenocranus interpunctatum</i>	L	III/	4	"		
<i>Calopteryx maculata</i>	L	I	1	West, May 1996		
<i>Brachycentrus occidentalis</i>	L	x	10	Hilsenhoff 1985		
<i>Cheumatopsyche</i>	L	III	3	Hilsenhoff 1985		
<i>Hydropsyche betteni</i>	L	- III	8	Schm., Hils. 1986		
<i>Ceratopsyche slossonae</i>	L	I	1	"		
<i>Deceis</i>	L	I	1	Hilsenhoff 1985	imm	
Limnephilidae	L	"	2	"	imm	N
<i>Hydatophylax argus</i>	L	I	1	"		
<i>Pycnopsyche</i>	L	"	2	"		
<i>Dubiraphia</i>	L	I	1	Hils., Schm. 1992		N
<i>D. bivittata</i>	A	I	1	"		
<i>D. quadricostata</i>	A	III	3	"		
<i>Optioservus</i>	L	- III	8	"	imm	N
<i>O. fastidius</i>	L, A	0 IIII	24	"		
Ephydriidae	P	"	2	Mem, Webb 2008		
<i>Antocha</i>	L	- I	6	Hilsenhoff 1985		
<i>Dicranota</i>	L	I	1	"		
<i>Limnophila</i>	L	"	2	"		
<i>Gammarus pseudolimnensis</i>	A	8 III	43	Neisinger 1972		
<i>Caecidotea</i>	A	I	1	Williams 1972	imm	
<i>Drepanoctes virilis</i>	A	I	1	Hobbs, Jess 1988		
<i>Echytraeidae</i>	A	I	1	Bain, Geld. 1991		
<i>Tubificinae w/d capilliform chaetae</i>	A	III	3	Klemm 1985		
<i>Megadrili Lumbricidae</i>	A	I	1	Bain, Geld. 1991		
<i>Molereobdella microstoma</i>	A	I	1	Klemm 1985		
<i>Physa</i>	A	I	1	Rogers 2016		
<i>Pisidium</i>	A	-	5	Burch 1972		
<i>Sphaerium</i>	A	x	10	"		
<del>split A3 Chironomidae</del>	L	III - J				
<i>Orthocladinae</i>	P	I	1	Ferr. et al. 2008		N
<i>Limnophyes</i>	P	I	1	"		
<i>Tvetenia</i>	P	I	1	"		
<i>Cricotopus (Cricotopus)</i>	P	I	1	Coff. et al. 1986		
<i>Tanypterygidae</i>	L	I	1	Craston 2013	imm	N

