

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> 20191009-13-01
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<b>Sampling Location</b> 10 m upstream Spring Valley Road	<b>Database Key</b> 212667664
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<b>SWIMS Station ID</b> 10037597	<b>SWIMS Station Name</b> NC-0608 WENDT CREEK DS SPRING VALLEY RD.
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<b>Latitude</b> 43.16241	<b>Longitude</b> -89.73836	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
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<b>Basin (WMU)</b> LOWER WISCONSIN	<b>Watershed Name</b> BLACK EARTH CREEK	<b>County</b> DANE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> KIMBERLY KUBER	<b>Project Name</b> SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019
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**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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>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> 13.0	<b>D.O. (mg/l)</b> 10.39	<b>D.O. (% sat.)</b> 98.5	<b>pH (su)</b> 8.03	<b>Conductivity (umhos/cm)</b> 556	<b>Transparency (cm)</b>
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained <i>Slightly</i>	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** 20      **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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				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 *NC-238*

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Naas, KNC</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>10%</i>
Date Processed <i>10-7-20</i>	Specimens Saved <i>Subsample archived in ABL under 1 Nov 2023</i>	

*0202 0303 0205 0301 0201 0302  
 20 24 17 23 28 36 = 152*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	-	5	Kuhn 2016		
<i>B. tricaudatus</i>	L	1	1	"		
<i>Brachycentrus occidentalis</i>	L	1	1	Hils 1985		
Hydropsychidae	L	"	2	Merrillman B 2019	imm	N
<i>Ceratopsyche branta</i>	L	-	5	Schmitt Hils 1986		
<i>C. slossonae</i>	L		4	"		
<i>C. spuma</i>	L	x	12	"		
<i>Cheumatopsyche</i>	L		32	Merrillman B 2019		
<i>Hydropsyche</i>	L	"	2	Hils 1985	imm	N
<i>H. hettneri</i>	L	B-1	46	Schmitt Hils 1986		
<i>Ceratopsyche</i>	L	1	1	Hils 1985	imm	N
<i>Oligoneurus</i>	L	-	5	Merrillman B 2019	imm	N
<i>O. fastidius</i> L, 6 A, 2	LA		8	Hils Schmitt 1982		
<i>Tuctenia</i>	P	1	1	Merrillman B 2019		N
<i>Antocha</i>	L	1	1	"		
<i>Dicranota</i>	L	1	1	"		
<i>Gammarus pseudolimnoides</i>	A	-	7	Hils 1972		
Caecidotea	A	1	1	Thorp Reg 2016	fem	
Dugesidae	A	1	1	"		
Mermitidae	A	1	1	"		
Tubificinae (with hairs)	A	1	1	Kath Brin 1998		
<del>Spit Az Chironomidae</del>	L	x				
<i>Dixaesa</i>	L	1	1	And et al 2013		
<i>Brillia</i>	L	1	1	"	imm	
<i>Eukiefferiella claripennis</i> group	L	1	1	"		
<i>E. devonica</i> group	L		3	"		
<i>Tuctenia bavarica</i> group	L	"	2	Bode 1983		
<i>Psephenus tarsus</i>	L	1	1	And et al 2013		
<i>Orthocladius</i> 08300000	L	"	2	"	imm	N
<i>Meropelopia</i>	L	1	1	"		
<i>Cladotanytarsus</i>	L	1	1	"		
<i>Polyperilum (Uresiphilum) auriceps</i>	L	-1	6	Bolton 2012		
<i>P. (U.) flavum</i>	L	1	1	"		