

**Instructions:** Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> KLEIN CREEK	<b>Waterbody ID Code</b> 1345800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191029-01-02
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<b>Sampling Location</b> 10m upstream of 16th Avenue	<b>Database Key</b> 210277109
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<b>SWIMS Station ID</b> 10031301	<b>SWIMS Station Name</b> KLEIN CREEK AT 16TH AVE
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<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> CENTRAL WISCONSIN	<b>Watershed Name</b> LITTLE ROCHE A CRI CREEK	<b>County</b> ADAMS
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> TAYLOR M HASZ, ANDREW J SCHNEYER	<b>Project Name</b> WEST 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> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason for Sampling**

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

<b>Water Temp. (C)</b> 5.97	<b>D.O. (mg/l)</b> 13.72	<b>D.O. (% sat.)</b> 110.8	<b>pH (su)</b> 9.84	<b>Conductivity (umhos/cm)</b> 306	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.6	<b>Average Stream Width of reach (m)</b> 3
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**Composition of Substrate Sampled (Percent):**

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

Comments Sampled 10m upstream of 16th Avenue. Sampled in a rocky run due to no riffle habitat.  
 PH seemed high.

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Coash, Natalie	Taxonomist Dimeck, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 9/17/20	Specimens Saved Subsample archived in ABZ until Nov 2023	

20-2 = 24  
 2A-4 = 14

20-1 = 22  
 2A-3 = 20

20-3 =  
 20-4 =  
 2A-2 =

2A-1 =

53

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L		4	Klob 2016		
<i>B-flavistriga</i> species complex	L		1	"		
<i>Placiditus punctiventris</i>	L		1	"		
<sup>1/1</sup> <i>Mesochorus vicarium</i>	L		1	"		
<sup>2/2</sup> <i>Leptophlebia</i>	L		1	MerrLummB 2019	imm	
<i>Bayetta vinosa</i>	L		1	Tennissen 2019		
<i>Epitheca = Tetragoneuria canis</i>	L		1	"		
<i>Nesoperocorixa minorvella</i>	A		1	Hils 1986		
<sup>3/6</sup> <i>Ceratopsyche gamma</i>	L		4	Schmitt 1986		
<i>Cheumatopsyche</i>	L		33	MerrLummB 2019		
<i>Hydropsyche betteni</i>	L		4	Schmitt 1986		
<i>Ptilostomis</i>	L		1	MerrLummB 2019		
<i>Dicrophya</i>	L	"	2	"		
<i>Optioservus</i>	L		1	"	imm	
<i>Stenelmis</i>	L		6	"		N
<i>S. crenata</i>	A		1	Hils Schmitt 1992		
<i>Laccophilus maculosus</i>	A		1	Hils 1992		
<i>Simulium vittatum</i> species complex 08110217	L		4	Adl et al 2004		
<i>Tipula</i>	L		1	MerrLummB 2019		
<i>Cricotopus (Cricotopus)</i>	P		2	Wieder 1986		
<i>Gammarus pseudolimnoides</i>	A		2	Hils 1972		
<i>Pisidium</i>	A		1	Thorp 2016		
<i>Tchifonae</i> (without hairs)	A		2	Kath Brin 1998		
<i>Megadrili = Metagynophora</i>	A		2	Thorp 2016		
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<del>split A2 Chironomidae</del>	L	B-JJD				
<i>Brillia</i>	L		1	And et al 2013	imm	
<i>Cladotanytarsus</i>	L	x-	18	"		
<i>Rheotanytarsus</i>	L		2	"		
<i>Stictochironomus</i>	L		5	"		
<i>Orthocladiinae</i> 08300000 <u>Cricotopus</u>	L		2	"	can	N
<i>Cricotopus</i>	L		2	"		N
<i>Eukretteriella clarypennis</i> group	L		1	"		
<i>Orthocladus</i>	L	"	2	"		
<i>Rheosmittia</i>	L		3	"		
<i>Chironominae</i> 08330000 <u>Harnischia complex</u>	L		1	"	mt indet	Y
<i>Paracladopelma</i>	L		1	"		
<i>Paratanytarsus</i> species A	L		1	Hils unpubl		

3 taxa, TVAL ≤ 2.0

6 < (only 124)

