

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> KROK CREEK		<b>Waterbody ID Code</b> 86700	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181001-31-20
<b>Sampling Location</b>			<b>Database Key</b> 168775458
<b>SWIMS Station ID</b> 10008203		<b>SWIMS Station Name</b> KROK CREEK - HWY 29	
<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
<b>Basin (WMU)</b> TWIN - DOOR - KEWAUNEE		<b>Watershed Name</b> EAST TWIN RIVER	<b>County</b> KEWAUNEE

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> MARY GANSBERG	<b>Project Name</b> NE LAKESHORE TMDL SUPPLEMENTAL MONITORING
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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> 10	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 9.0	<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: TMDL

<b>Water Temp. (C)</b> 10.1	<b>D.O. (mg/l)</b> 9.7	<b>D.O. (% sat.)</b> 86.5	<b>pH (su)</b> 7.9	<b>Conductivity (umhos/cm)</b> 741	<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 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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.3	<b>Average Stream Width of reach (m)</b> 4.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 50  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: 10 Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 90

**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

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>6/6/19</i>	Specimens Saved <i>145</i>	

*C2 = 46  
 E3 = 99*

*Subsample archived in ABL until Aug 2022*

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bairdii	L II		2	Klob 2016		
Stenonema <del>intermedium</del>	L I		5	"	imm	N
S. intermedium	L III		4	"		
Helopsyche borealis	L I		1	Hils 1995		
Cheumatopsyche	L III		7	"		
Hydropsyche	L II		2	"	imm	N
H. betteni	L I		1	Schm Hils 1986		
Limnephilidae	L I		1	Hils 1995	imm	N
Pycnopsyche	L II		2	"		
Leptahlebiidae	L III		3	Klob 2016	imm	N
Leptahlebia	L III		22	"	imm	
<del>Lept. Polycentropus</del>	L I		1	Hils 1995		
Lype diversa	L I		1	"		
Psychomyia flavida	L III		4	"		
Heptageniidae	L I		1	Klob 2016	imm	N
Entoservus	L III		8	Hils Schm 1992	imm	N
E. fastidius	L I		1	"		
Chrysops	L III		3	Hils 1995		
Gammarus pseudolimnoides	A III		7	Hils 1972		
Caecidotea <del>sp</del>	A III		7	Will 1972	rem/imm	
Naididae	A I		6	Branfeld 1991		
Lumbricolus	A I		1	Thorp Poy 2016		
Pisidium	A III		3	Burch 1972		
<del>Split A2 Chironomidae</del>	L III					
Corynoneura	L II		2	And+3 2013		
Cladotanytarsus	L III		27	Epl et al 2013		
Cryptochironomus	L II		2	"		
Microtendipes pedellus group	L II		2	"		
Nilotanytus	L II		2	Cran Epl 2013		
Zaurelmyia	L I		1	"		
Parakiefferiella	L III		3	And+3 2013		
Thienemannella xena	L I		1	Bolton 2012		
Orthocladius (Orthocladius)	L I		1	And+3 2013		
Chironomidae 08330000	L III		3	Cranston 2013	mt indet/dam	N
Paratanytarsus	L I		1	Epler et al 2013	mt indet	N
P. species A	L I		1	Hils unpubl		

