

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

Station Summary			
Waterbody Name <b>TROUT CREEK</b>		Waterbody ID Code <b>1187200</b>	Sample ID (YYYYMMDD-CY-FD) <b>20161020-12-08</b>
Sampling Location			Database Key <b>135786989</b>
SWIMS Station ID <b>123020</b>		SWIMS Station Name <b>TROUT CREEK - HWY 61 NE SEC 30 T11R3W</b>	
Latitude <b>43.4070022</b>	Longitude <b>-90.7694966</b>	Lat/Long Determination Method (circle) <b>SWIMS SWDV GPS</b>	Datum Used if using GPS <b>WGS84 or NAD83</b>
Basin (WMU) <b>LOWER WISCONSIN</b>		Watershed Name <b>READS AND TAITER CREEKS</b>	County <b>CRAWFORD</b>

Sample and Site Descriptors	
Sample Collector (Last Name, First) <b>JOHN DELANEY</b>	Project Name <b>KICKAPOO AND LITTLE WILLOW RIVER MACROINVERTEB</b>

**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) <b>10.0</b>	Estimated Area Sampled (m <sup>2</sup> ) <b>3.0</b>	Number of Samples in Composite <b>1</b>	Replicate No. _____ of _____
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**Reason For Sampling**

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

Water Temp. (C) <b>11.1</b>	D.O. (mg/l) <b>12.5</b>	D.O. (% sat.) <b>112</b>	pH (su)	Conductivity (umhos/cm)	Transparency (cm) <b>&gt;120</b>
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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 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) <b>0.75</b>	Average Stream Width of reach (m) <b>6.0</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): **5** Rubble (tennisball to basketball): **5** Gravel (ladybug to tennisball): **10**  
 Sand: **5** Clay: \_\_\_\_\_ Silt/Muck: **70** Overhanging Vegetation: **5**  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) **80** 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			
Bank Erosion		PL	PL	Runoff: - Barnyard			
Channelization: - Upstream		N		- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision		N		- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation		PH	PH	Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity		N	N	Other - Specify:			
Other - Specify:							

Comments: Recent 10-14" rainfall scoured streambed and may have reduced macroinvertebrates

Special Instructions for Laboratory: Re-opened sample. Initial subsample contained 65 specimens contributing toward target. 25 specs in 47% of re-open. Re-open deemed a total sort, will be processed appropriately. JD

For Lab Use Only		
Sample Sorter Kyla Wilson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted JD 53% 100
Date Processed 3/10/17	Specimens Saved Subsample archived in ABL until Aug 2020	

D1816 A1810 B2821 C1817 = 133  
 E2817 C2818 E3815 C3819 = 133  
 JD A3:1 1.75 hrs + 1.0 hr  
 B2:3 B3:8  
 A2:6 E3:1  
 C3:4 C1:2 Total sort