

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name	Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD)
WOLF River	241300	20160929-59-02

Sampling Location	Database Key
	133659769

SWIMS Station ID	SWIMS Station Name
10047176	WOLF RIVER 1.15 MILES US BALSOM ROW DAM

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
44.8493731	-88.637028	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
		Shawano

Sample and Site Descriptors	
Sample Collector (Last Name, First)	Project Name
ANDREW HUDAK	BALSOM ROW DAM COMPREHENSIVE FISH PASSAGE ASSES

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)	Estimated Area Sampled (m <sup>2</sup> )	Number of Samples in Composite	Replicate No. ___ of ___
5	10	1	1 of 1

Reason For Sampling

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: Balsom Row Fish Passage

Water Temp. (C)	D.O. (mg/l)	D.O. (%sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
13.08	10.1	96.4	7.8	265	122

Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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)

Measured Velocity	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
circle units m/s or f/s	2 meters	50

Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: 70 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 30 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) \_\_\_\_\_ Canopy Cover at Sample Site (%) 10%

**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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
<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				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

Extended Zygoptera exam - *Enallagma*, imm. (n=2); *Coenagrion/Enallagma*, imm. (n=9)

For Lab Use Only		
Sample Sorter Cacie Olson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 10/17/16	Specimens Saved Subsample archived in ABC until Jan 2020	

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