

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

Station Summary						
<b>Waterbody Name</b> BOSTWICK CREEK			<b>Waterbody ID Code</b> 1650900		<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181025-32-02	
<b>Sampling Location</b> ~ 60 m US of Swamp Rd Bridge					<b>Database Key</b> 169485232	
<b>SWIMS Station ID</b> 10009113		<b>SWIMS Station Name</b> BOSTWICK CREEK #1- BRIDGE ON SWAMP RD.				
<b>Latitude</b> 43.856388	<b>Longitude</b> -91.11665		<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS			<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> BAD AXE - LA CROSSE			<b>Watershed Name</b> LOWER LA CROSSE RIVER		<b>County</b> LA CROSSE	
Sample and Site Descriptors						
<b>Sample Collector (Last Name, First)</b> CAMILLE BRUHN				<b>Project Name</b> BOSTWICK CREEK TWA 2018		
<b>Sampling Device</b>						
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman		
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler		<input type="checkbox"/> Other: _____
<b>Habitat Sampled</b>						
<input type="checkbox"/> Riffle		<input type="checkbox"/> Run		<input type="checkbox"/> Pool		
<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat		
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland		
<b>Total Sampling Time (min)</b> 2		<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5		<b>Number of Samples in Composite</b> 1		<b>Replicate No.</b> 1 <b>of</b> 1
<b>Reason For Sampling</b>						
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: Bostwick Creek TWA		
<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>		<b>Transparency (cm)</b>
<b>Water Color</b>				<b>Estimated Stream Velocity (m/s)</b>		
<input type="checkbox"/> Clear		<input checked="" type="checkbox"/> Turbid		<input type="checkbox"/> Slow (< 0.15 m/s)		<input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s)
		<input type="checkbox"/> Stained				<input type="checkbox"/> Fast (> 0.5 m/s)
<b>Measured Velocity</b>		<b>Average Stream Depth of reach (m)</b>		<b>Average Stream Width of reach (m)</b>		
circle units m/s or f/s		0.4		6		
<b>Composition of Substrate Sampled (Percent):</b>						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): _____
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: 20
Aquatic Macrophytes: _____		Leaf Snags: 10		Coarse Woody Debris: _____		Other (root wads attached to undercut banks): 70
<b>Embeddedness of Substrate at Sample Site (%)</b> N/A				<b>Canopy Cover at Sample Site (%)</b> 40		

**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	N	U	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PI
Iron Bacteria	PL	PL	Toxics: - Inorganic (Metals)	U	N
Macrophytes	N	PI	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	PH	PH
<b>Physical</b>			Point Source - Specify:	U	N
Bank Erosion	PH	PL	Pasturing of Livestock	N	PH
Channelization: * - Upstream	N	PL	Runoff: - Barnyard	N	N
* - Downstream	N	PL	- Construction	N	N
? Hydraulic Scour / Channel Incision	PL	PL	- Cropland	N	PH
Impoundment: - Upstream	N	N	- Urban	N	PL
- Downstream	N	N	Septic Systems	U	N
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	PH	PH	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	U	N	Tributary(s)	PL	U
Turbidity	PH	PI	Wetland	N	PI
Other - Specify:			Other - Specify: <i>Highly impacted by August flood.</i>	PH	PL

Comments  
 Sampled ~ 60m US of Swamp Rd Bridge. Only riffle areas were downed trees/snags. Sampled stream margins, root wads, & overhanging vegetation.

Special Instructions for Laboratory

3C = 135  
 Total = 135

**For Lab Use Only**

Sample Sorter <i>Murphy Steinhilber</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>79%</i>
Date Processed <i>4/29/19</i>	Specimens Saved <i>Subsample archived in ABL until Jul 2022</i>	

