

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BOSTWICK CREEK	Waterbody ID Code 1650900	Sample ID (YYYYMMDD-CY-FD) 20181031-32-05
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Sampling Location ~5-10m DS of bridge	Database Key 169485236
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SWIMS Station ID 10009114	SWIMS Station Name BOSTWICK CREEK #2- 320 METERS DOWNSTREAM FROM CTY O BRIDGE
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Latitude 43.843483	Longitude -91.11395	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) BAD AXE - LA CROSSE	Watershed Name LOWER LA CROSSE RIVER	County LA CROSSE
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Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name BOSTWICK CREEK TWA 2018
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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

Total Sampling Time (min) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Bostwick Creek TWA

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 90
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) N/A
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
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	U	Chlorine	U	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PL
Iron Bacteria	PL	PL	Toxics: - Inorganic (Metals)	U	N
Macrophytes	N	PL	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
			Point Source - Specify: <i>Pipe draining water US of bridge</i>	PL	N
			Pasturing of Livestock	N	PH
			Runoff: - Barnyard	N	N
			- Construction	N	N
			- Cropland	N	PH
			- Urban	PL	PL
			Septic Systems	U	N
			Tile Drainage - Organic Soils	U	U
			- Mineral Soils	U	U
			Springs	U	U
			Tributary(s)	PL	PL
			Wetland	N	N
			Other - Specify:		
Physical					
Bank Erosion	PL	PL			
Channelization: - Upstream	N	PL			
- Downstream	N	PL			
Hydraulic Scour / Channel Incision	N	PL			
Impoundment: - Upstream	N	N			
- Downstream	N	N			
Low Flow	N	N			
Sedimentation	PL	PH			
Sludge	N	N			
Thermal	U	N			
Turbidity	PH	PL			
Other - Specify:		N			

Comments *Sampled one boulder & overhanging vegetation ~ 5-10 m DS of CTH O Bridge. No riffles present in entire reach. All sand substrate with some bank erosion.*

Special Instructions for Laboratory

$1B = 14$ $3C = 16$ $3B = 6$ $2B = 97$ ~~30~~
 $1E = 37$ $3A = 6$ $1A = 8$ ~~20~~ ~~10~~ ~~2C~~
 51 73 87 *Debris* ~~2A~~
 Total = 184

For Lab Use Only

Sample Sorter <i>Murphy Steinhilber</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 47%
Date Processed 5/6/19	Specimens Saved <i>Subsample archived in ABL until Jul 2022</i>	