

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BOSTWICK CREEK	Waterbody ID Code 1650900	Sample ID (YYYYMMDD-CY-FD) 20181025-32-04
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Sampling Location ~15m DS of confluence with tributary in farm field ^{pasture}	Database Key 169485252
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SWIMS Station ID 10009118	SWIMS Station Name BOSTWICK CREEK #6- LOWER FIELD RD. CROSSING ON SCHOMBERG FARM
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Latitude 43.8187	Longitude -91.00231	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) 2	Estimated Area Sampled (m²) 2	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	Estimated Stream Velocity (m/s)
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 20
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 30 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 0 **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	PL	U	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PI
Iron Bacteria	N	PI	Toxics: - Inorganic (Metals)	U	N
Macrophytes	PL	PI	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
			Point Source - Specify:	U	N
Physical			Pasturing of Livestock	PH	PH
Bank Erosion	PL	PI	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	PI	- Construction	N	N
- Downstream	N	PI	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	N	PI	- Urban	N	PL
Impoundment: - Upstream	N	N	Septic Systems	U	N
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	PL	PH	Springs	U	U
Sludge	N	N	Tributary(s)	PL	PI
Thermal	U	N	Wetland	N	N
Turbidity	N	PI	Other - Specify:		
Other - Specify:		N			

Comments Sampled ~ 15m DS of confluence w/ tributary in middle of pasture (~380m DS of Larson Rd). Flood in August created a huge log jam across the entire stream US of our sampling location. Banks remained fairly stable in our sampling reach.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Sam Lamarche	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 5/1/19	Specimens Saved Subsample archived in ABL until Jul 2022	

03 B3
83 81

164 total

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis harrisei</i>	L	xiii	14	Klug 2016		
<i>B. tricaudatus</i>	L	-1	6	"		
<i>Ephemerella</i>	L	ii	2	"	imm	N
<i>E. excrucians</i>	L	-	5	"		
<i>Maccaffertium vicarium</i>	L	i	1	"		
Hydropsychidae	L	i	1	Hils 1995	imm	N
<i>Cheumatopsyche</i>	L	i	1	"		
<i>Hydropsyche betteni</i>	L	i	1	Schm Hils 1986		
<i>Ceratopsyche slossonae</i>	L	-1	6	"		
<i>C. sparna</i>	L	i	1	"		
<i>Lepidostoma</i>	L	-ii	7	Hils 1995		
<i>Optiosaxus fastidius</i> L, 1 A, 2	LA	ii	3	Hils Schm 1992		
<i>Atherix variegata</i>	L	i	1	Hils 1995		
<i>Neoplasta</i>	L	i	1	Cont Merr 2008		
<i>Simulium vittatum</i> species complex obscuris	L	-iiii	9	Adl et al 2004		
<i>Simulium</i>	P	i	1	"		
<i>S. jenningsi</i> species group	L	i	1	"		
<i>Antocha</i>	L	i	1	Hils 1995		
<i>Limnophyes</i>	PL	i	1	Ferr et al 2008		
<i>Orthocladius (Orthocladius)</i>	P	i	1	Coff et al 1986		
<i>Gammarus pseudolimnaeus</i>	A	88x1	91	Hols 1972		
<i>Hydrobates</i>	A	i	1	Pluch 1984		
<i>Lebertia</i>	A	i	1	"		
<i>Sperchonopsis</i>	A	i	1	"		
<i>Naidinae</i>	A	i	1	Brin Gold 1991		
Split A2 Chironomidae	L	xix	20			
<i>Orthocladius</i>	L	i	1	Andt 3 2013		Y
<i>O. (Euorthocladius) rivularum</i>	L	i	1	Epler 2007		
<i>O. (Orthocladius)</i>	L	-1	6	Andt 3 2013		N
<i>Cricotopus (Cricotopus) bicornatus</i> group	L	i	1	"		
<i>Microsectra</i>	L	i	1	Epl et al 2013		
<i>Rhyotanytarsus</i>	L	ii	2	"		

>3 taxa, TVAL <= 20

21 > (0.1 x 154)