

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name PAMMEL CREEK		Waterbody ID Code 1649200	Sample ID (YYYYMMDD-CY-FD) 20161018-32-01
Sampling Location 20m US of pillars (60m US of channelized section)		Database Key 134803477	
SWIMS Station ID 10009985		SWIMS Station Name PAMMEL CREEK - PAMMEL CREEK STATION 1 - 2002 END CHANNELIZED SECTION	
Latitude 43.789726	Longitude -91.19884	Lat/Long Determination Method (circle) <input checked="" type="checkbox"/> SWIMS <input type="checkbox"/> SWDV <input type="checkbox"/> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BAD AXE - LA CROSSE		Watershed Name LOWER LA CROSSE RIVER	County LA CROSSE

Sample and Site Descriptors	
Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2016

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) 2	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: _____

Water Temp. (C) 13.23	D.O. (mg/l) 9.92	D.O. (% sat.) 94.9	pH (su) 7.95	Conductivity (umhos/cm) 775	Transparency (cm) 120+
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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) 0.15	Average Stream Width of reach (m) 2.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 85% Gravel (ladybug to tennisball): 10%
 Sand: 5% Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 5% **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		Chlorine		U	
- Filamentous Algae		PL		Dissolved Oxygen		N	
- Planktonic Algae		N		Nutrients (P, N...)		U	
Iron Bacteria		U		Toxics: - Inorganic (Metals)		U	
Macrophytes		N		- Organic (PCBs, pesticides...)		U	
Slimes		N		Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		N	
				Point Source - Specify:		U	
Physical				Pasturing of Livestock		U	
Bank Erosion		N		Runoff: - Barnyard		N	
Channelization: - Upstream		U		- Construction		U	
- Downstream		PH		- Cropland		N	
Hydraulic Scour / Channel Incision		N		- Urban		PH	
Impoundment: - Upstream		U		Septic Systems		U	
- Downstream		U		Tile Drainage - Organic Soils		U	
Low Flow		N		- Mineral Soils		U	
Sedimentation		N		Springs		U	
Sludge		N		Tributary(s)		U	
Thermal		N		Wetland		U	
Turbidity		N		Other - Specify:			
Other - Specify:							

Comments Sampled about 60m US of channelized portion of stream. Nice riffle with larger rubble, covered with some algae & moss. No canopy cover at site sampled. Stream is in relatively urban portion of La Crosse.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kuhne, Alison	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 12 April 2017	Specimens Saved Subsample archived in ABL until Oct 2020	

E2 → 80
 C2 → 114

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	011	22	Kluehertenz 2010		
<i>B. tricaudatus</i>	L	0-1	26	"		
<i>Hydropsyche betteni</i>	L	11	2	Schm. Hils. 1986		
<i>Onchoseruus</i>	L	1	1	Hils., Schm. 1992		
Empididae	L	1	1	Gault, Merr. 2008	dam	N
<i>Hemerodromia</i>	L	1	1	"		
<i>Neoplasta</i>	L	1	1	"		
<i>Simulium tuberosum</i> species group	L	1	1	Adler et al 2004		
<i>S. jenningsi</i> species group	L	1	1	"		
<i>Trichia</i>	L	1	1	Hilsenhoff 1995		
<i>Gammarus pseudolimnoides</i>	A	x11	12	Holsinger 1972		
<i>Caecidotea intermedia</i>	A	-1	6	Williams 1972		
<i>Limnesia</i>	A	0	2	Pluchino 1984		
<i>Tricladida</i>	A	1	1	Kolasa 1991		
Split A3 Chironomidae	L	+ JJD				
<i>Eukiefferiella</i>	P	111	3	Fer. et al 2008		N
<i>Tutenia</i>	P	1	1	"		N
<i>Orthocladius</i>	P	1	1	"		N
Chironomidae	L	1	1	Gault, Merr. 2008	mt indef	N
<i>Pogastia</i>	L	0	20	Suth., Ander. 2013		
<i>Eukiefferiella</i>	L	111	3	Ander. + 3 2013	mt indef imm	Y
<i>Eu. claripennis</i> group	L	L	1	"		
<i>Eu. devonica</i> group	L	211	22	"		
<i>Orthocladinae</i> 0B300000	L	1	1	Cranston 2013	imm	N
<i>Parametriocnemus</i>	L	111	3	Ander. + 3 2013		
<i>Tutenia baranica</i> group	L	111	4	Bede 1983		
<i>Orthocladius</i>	L	x	5	Ander. + 3 2013	imm	N
<i>O. (Euoorthocladius)</i>	L	x111	14	"	imm	
<i>O. (Orthocladius)</i>	L	8-	35	"		
<i>Cricotopus/Orthocladius</i>	L	1	5	Fer. et al. 2008	mt indef imm	N
<i>Microsecofra</i>	L	1	1	Eber et al 2013		
<i>Polypedium (Unispidium) aviceps</i>	L	1	1	Bolton 2012		