Sample in 2 jars

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
SOUTH BRANCH TREMPEALEAU RIVER	1806900	20171108-27-01

Sampling Location: US of Culvert ~8m

Database Key: 150694643

SWIMS Station ID	**SWIMS Station Name**
273049	TREMPEALEAU RIVER SOUTH BRANCH AT CTH FF

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.3929514	-90.9324481	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
BUFFALO - TREMPEALEAU	UPPER TREMPEALEAU RIVER	JACKSON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CAMILLE BRUHN	WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRME

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** 1 **of** 1
1 min	1 m^2	1	-2 Jars

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Follow UP

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
					100

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] 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)**	**Average Stream Width of reach (m)**
	.5	1.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 100

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) N/A **Canopy Cover at Sample Site (%)** 0

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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
Biological		
Algae: - Diatoms / Periphyton	N	U
- Filamentous Algae	N	U
- Planktonic Algae	N	U
Iron Bacteria	N	U
Macrophytes	N	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	U
- Dow nstream	N	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Dow nstream	N	U
Low Flow	N	U
Sedimentation	PL	U
Sludge	N	U
Thermal	U	U
Turbidity	N	U
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	U	U
Dissolved Oxygen	U	U
Nutrients (P, N...)	U	U
Toxics: - Inorganic (Metals)	U	U
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	U
Point Source - Specify:	N	U
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	PL	U
- Urban	N	U
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
Tributary(s)	U	U
Wetland	PH	U
Other - Specify:		

Comments: Sampled ~8m US of Culvert. Stream runs through wetland complex. Good buffer w/ cropland surrounding buffer. (buffer at least 50m). Stream surrounded by reed canary grass. Follow up site; 2 jars.

Special Instructions for Laboratory

sample in 2 jars

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Justin Kowalski	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
2/2/18	Subsample archived in ABL until Apr 2021	

A1 A2 D1 B3 E3 B1 D2
41 33 72

Wisconsin Department of Natural Resources
ABL SampleNum: **20171108-27-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **South Branch Trempealeau River**
SWIMS Database Key: **150694643**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Klubertanz 2016		
B. tricaudatus	L	I	1	"		
Leptophlebiidae	L	II	2	"	imm	N
Leptophlebia	L	I	1	"	imm	N
L. cupida	L	IIII	4	"		
Brachycentrus occidentalis	L	X-III	18	Hilsenhoff 1985		
Hydropsyche betteni	L	III	3	Schm, Hils. 1986		
Lepidostoma	L	I	1	Hilsenhoff 1995		
Limnephilus	L	I	1	"		
Ephydridae	P	-I	6	Merr., Webb 2008		
Nyalella	A	I	1	Pennak 1978		
Caecidotea intermedia	A	X-IIII	19	Williams 1972		
Hygrobates	A	I	1	Pluchino 1984		
Pachycopida	A	I	1	Rogers 2016		
Naididae	A	I	1	Brin, Cole. 1971		
Physa	A	I	1	Rogers 2016		
~~Split A3 Chironomidae~~	~~L~~	~~+JJD~~				
Chironomidae 08250000	L	I	1	Court., Meir. 2008	dam	N
Tanypodinae 08270000	L	I	1	Cranston 2013		
Conchapelopia	L	O	20	Cran. Epler 2013		
Zavrelimyia	L	I	1	"		
Thienemannimyia Group	L	-I	6	"	imm	N
Orthocladiinae 08300000	L	IIII	4	Cranston 2013	imm	N
Brillia	L	II	2	Anderson 2013	imm	N
B. flavifrons	L	II	2	Epler 2001		
Eukiefferiella claripennis group	L	I	1	Anderson 2013		
Heterotrissocladius marcidus group	L	I	1	"		
Parametriocnemus	L	8	40	"		
JJD ~~Thienemanniella~~ Thienemanniella xena	L	I	1	Bolton 2012		
Paraphaenocladius	L	I	1	Anderson 2013		
Cricotopus/Orthocladius	L	I	1	Fer. et al. 2008	imm	
Chironominae 08330000	L	II	2	Cranston 2013	imm	N
Micropsectra	L	-I	16	Epler et al 2013		
Phaenopsectra flavipes	L	-IIII	9	Bolton 2012		
Polypedilum	L	IIII	4	Epler et al 2013	imm	N
P. (Polypedilum) scalaenum group	L	I	1	Bolton 2012		

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Polypedilum (Polypedilum) illinoense group	L	11	2	Bolton 2012		
P. (P.) laetum group	L	11	2	11		