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)**
UNNAMED Trib. of Plum Cr.	1287800	20181018-57-01

Sampling Location	**Database Key**
DS Voight Rd	169627567

SWIMS Station ID	**SWIMS Station Name**
10051354	UNNAMED TRIB. OF PLUM CREEK US VOIGHT RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.6300251	-90.2486335	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	CROSSMAN CREEK AND LITTLE BARABOO F	SAUK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JEAN UNMUTH	SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018

Sampling Device

- [X] 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)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** / **of**
4.0	2.0	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
15.0	10.0	103	8.4		115

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)**	**Average Stream Width of reach (m)**
0.01 (m/s)	0.4	2.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____

Sand: _____ Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 40 Coarse Woody Debris: 40 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 70 **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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine	N	
- Filamentous Algae	PH		Dissolved Oxygen	N	
- Planktonic Algae			Nutrients (P, N...)	PH	
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	PH	
Physical			Point Source - Specify:		
Bank Erosion	PH		Pasturing of Livestock	PH	
Channelization: - Upstream			Runoff: - Barnyard	PH	
- Downstream			- Construction	N	
Hydraulic Scour / Channel Incision			- Cropland	N	
Impoundment: - Upstream			- Urban	N	
- Downstream			Septic Systems		
Low Flow	N		Tile Drainage - Organic Soils		
Sedimentation	PH		- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity	PL		Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Savanna Erickson	Dimick, Jeffrey	60
Date Processed	**Specimens Saved**	
9-7-19	Subsample archived in ABL cntrl Nov 2022	

A1	B1	B2	E2	E1	A3	B3	D3	C2	Total:
15	13	12	19	9	5	26	18	22	139
			59				99		

Wisconsin Department of Natural Resources
ABL SampleNum: **20181018-573-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Plum Creek**
SWIMS Database Key: **169627567**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	x-IIII	19	Kich 2016		
4 Maccaffertium vicarium	L	I	1	"		
2/2 Boyeria vinosa	L	I	1	Need et al 2000		
Chimatopsyche	L	x1	11	Hils 1995		
Hydropsyche betteni	L	-III	8	Schm Hils 1986		
Ceratopsyche slossonae	L	III	3	"		
Limnephilidae	L	III	3	Hils 1995	imm	N
Pycnopsyche	L	I	1	"		
Ptilostomis	L	I	1	"		
Helichus striatus	A	I	1	Hils Schm 1992		
Dubiraphia	L	III	3	"		
Ephydridae	P	I	1	Merwebb 2008		
Simulium vittatum Species Complex 08110217	L	II	2	Adl et al 2004		
S. fibrinflatum	L	II	2	"		
S. jenningsi species group	L	II	2	"		
Simulium (strthm)	P	I	1	"		N
Chrysops	L	II	2	Hils 1995		
Tipula	L	I	1	"		
Orthocladinae	P	I	1	Ferr et al 2008	dam	N
Gammarus pseudolimnaeus	A	8-1	46	Hals 1972		
Caecidotea	A	I	1	Will 1972		
Belostoma	A	I	1	Hils 1984a	dam	
Tubificinae (without hairs)	A	II	2	Klemm 1985		
~~Split A3 Chironomidae~~	L	>10				
Conchapelopia 08220700	L	II	2	Cran Epl 2013		
Brillia	L	I	1	And+3 2013	imm	N
B. flavifrons	L	I	1	Epler 2001		
Diplocladius	L	I	1	And+3 2013		
Tvetenia bavarica group	L	I	1	Bode 1983		
Paratanytarsus	L	II	2	Epl et al 2013	mt indet	N
P. species A	L	III	3	Hils unpubl		
P. longistilus	L	I	1	Epl et al 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (P.) laetum group	L	I	1	"		
P. (Uresipedilum) aviceps	L	/	5	"		
Rheotanytarsus	L	OII	22	Epl et al 2013		
Tanytarsus	L	I	1	"		

<23 taxa, TVAL≤2.0