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

Sample in 2 jars

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	1808000	20171114-06-01

Sampling Location: DS Culvert ~10m

Database Key: 150694647

SWIMS Station ID	**SWIMS Station Name**
10034028	UNNAMED CREEK (1808000) AT GOLD STREET

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.07347	-91.60748	SWIMS SWDV GPS	WGS84 or NAD83

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

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

- [X] 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.**
1	1.5	1 (2 jars)	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
7.17	9.02	74.8	7.52	721	115

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)**
	0.2	1

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 25

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

Aquatic Macrophytes: _____ Leaf Snags: 5 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 5 **Canopy Cover at Sample Site (%)** 5

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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	U	U
- Filamentous Algae	PL	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	PL	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Dow nstream	N	U
Low Flow	U	U
Sedimentation	N	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: Storm Drains	PH	U
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	PL	U
- Cropland	N	U
- Urban	PL	U
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
Tributary(s)	U	U
Wetland	N	U
Other - Specify:		

Comments: Sampled ~10 m Downstream of Gold Rd crossing. sampled riffle area w/ primarily rubble. Road construction occurring - blacktopping. Houses/buildings near stream. Little to no riparian buffer. Two storm drain pipes (one US, one DS) entering stream. Lawn mowed almost to stream bank.

Special Instructions for Laboratory

Sample in 2 jars

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Grant Gaglewski	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
2/5/2018	Subsample archived in ABL until Apr 2021	

CL 218

Wisconsin Department of Natural Resources
ABL SampleNum: **20171114-06-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Creek (1808000)**
SWIMS Database Key: **150694647**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Kilbertanz 2016		
14 B. tricaudatus	L	I	1	"		
Ilyobdella serialum	A	I	1	Hilsenhoff 1993c		
Simulium vittatum Species Complex 08110217	L	X IIII	14	Adler et al 2004		
Dicranota	L	IIII	4	Hilsenhoff 1995		
Tipula	L	I	1	"		
Naidinae	A	IIII	4	Bronk, Gelb. 1991		
Megadrili	A	I	1	"		
Physa	A	IIII	4	Rogers 2016		
~~Split Ag Chironomidae~~	L	~~HJJD~~				
Conchapelopia	L	XII	12	Cran. Epler 2013		
Radotanypus	L	I	1	"		
Thienemannimyia Group	L	-I	6	"		
Orthocladiinae 08300000	L	I	1	Cranston 2013	mt indet	N
Brillia	L	-I	6	Ander. et al 13 2013	mt indet imm	N
B. Flavifrons	L	III	3	Epler 2001		
Chaetocladius piger group	L	I	1	Ander. + 3 2013		
Eukiefferiella claripennis group	L	-IIII	9	"		
Parametriocnemus	L	-I	6	"		
Thienemanniella xena	L	II	2	Bolton 2012		
Tvetenia bavarica group	L	I	1	Beck 1983		
Chironomidae 08330000	L	I	1	Cranston 2013	dam	N
Micropsectra	L	8880-III	18	Epler et al 2013		
Polypedilum (Uresipedilum) aviceps	L	I	1	Bolton 2012		
Rheotanytarsus	L	II	2	Epler et al 2013		

<3 taxa, TVAL ≤ 2.0