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)**
TROUT CREEK	515900	20171005-38-04

Sampling Location	**Database Key**
100 m DS Townline Rd	149402455

SWIMS Station ID	**SWIMS Station Name**
10016932	TROUT CREEK - TOWNLINE ROAD

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

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	LOWER PESHTIGO RIVER	MARINETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST 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.** ___ **of** ___
3	4	1	1 of 1

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)**
13.37	7.91	76.4	8.87	720	105

Water Color

- [x] 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)**
	0.2	5.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 30

Sand: 50 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: 10 Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 40

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 8%
Date Processed: 11/14/17	Specimens Saved: Subsample archived in ABL until Mar 2021	

BB-543

Wisconsin Department of Natural Resources
ABL SampleNum: **20171005-38-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Trout Creek**
SWIMS Database Key: **149402455**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	Kluber-Lanz 2016		
B. brunneicolor	L	X	10	"		
B. flavistriga species complex	L	II	2	"		
Heptageniidae	L	I	1	"	dam	N
Stenacron	L	-IIII	9	"	imm	N
S. interpunctatum	L	III	3	"		
Leucrocuta	L	I	1	"		
Chevmatopsyche	L	8×III	53	Hilsenhoff 1995		
Hydropsyche	L	-I	6	"	imm	N
H. betteni	L	O	20	Schm., Hils. 1986		
Chimarra obscura	L	III	3	Hilsenhoff 1982		
Optioservus	L	O-IIII	29	Hils., Schm. 1992	imm	N
O. fastiditus L, 42 A, 2	L, A	8IIII	44	"		
Stenelmis	L	XIII	15	"		
Nemerodromia	L	-II	7	Court., Mers. 2008		
Neoplasta	L	I	1	"		
Simulium venustum species complex	L	I	1	Acker et al 2004		
S. vittatum species complex 08110217	L	O-II	27	"		
Simulium ~~Svenst. I Smith, S~~	P	-I	6	"		N
Chrysops	L	I	1	Hilsenhoff 1995		
Thienemanniella	P	II	2	Fer. et al. 2008		N
Cricotopus (Cricotopus)	P	I	1	Coff. et al 1986		N
Gammarus pseudolimnaeus	A	8-	45	Nolsinger 1972		
Caecidotea intermedia	A	-	5	Williams 1972		
Naidinae	A	II	2	Brink, Cole. 1991		
Tubificoid Naididae w/o capilliform chaetae	A	I	1	Ersws et al 2008		
Tubificoid Naididae w/ capilliform chaetae	A	II	2	"		
Pisidium	A	X	10	Burch 1972		
~~Split A3 Chironomidae~~	L	~~-III~~				
Chironomidae 08250000	L	III	3	Court, Mers. 2008	dam	N
Conchapelopia	L	I	1	Coon. Epler 2013		
Thienemannimyia group	L	IIII	4	"	dam/imm	N
Orthocladiinae 08300000	L	-IIII	9	Cranston 2013	mainly imm	N
Brillia	L	I	1	Ander. +3 2013	imm	
Corynoneura	L	I	1	"		
Eukiefferiella claripennis group	L	I	1	"		

1/1

<23 taxa, TVAL ≤20

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Hydrobaenus	L	x1	11	Ander.+3 2013		
Limnophyes	L	III	3	"		
Parametriocnemus	L	III	3	"		
Thienemanniella	L	IIII	4	"	dam/imm	N
Th. xena	L	IIII	4	Bolton 2012		
Orthocladius (Orthocladius)	L	II	2	Ander.+3 2013		
Cricotopus/Orthocladius	L	III	3	Ferr.et al. 2008	not ident/ imm	N
Cricotopus ~~? (C.) tremulus grp~~	L	x-IIII	19	Ander.+3 2013		
C. (Cricotopus) bicinctus group	L	x-II	17	"		
chironomidae 08330000	L	-II	7	Coanston 2013	not ident/ dam/imm	N
Cladotanytarsus	L	I	1	Epler et al 2013		
Cryptochironomus	L	II	2	"		
Micropsectra	L	5 IIII	34	"		
Microtendipes pedellus group	L	II	2	"		
Paracladopelma	L	I	1	"		
Paralauterborniella nigrohalteralis	L	I	1	"		
Paratendipes	L	III	3	"		
Polypedilum	L	-I	7	"	dam/imm	Y
P. (Tripodura) scalaenum group	L	IIII	4	Bolton 2012		
P. (Uresipedilum) flavum	L	20	25	"		
Rheotanytarsus	L	5 -IIII	39	Epler et al 2013		
Stictochironomus	L	-	5	"		
Tanytarsus	L	I	1	"		