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)**
PLEASANT VALLEY BR	908500	20181015-13-04

Sampling Location: 150 m upstream of Kittleson Rd

Database Key: 169818811

SWIMS Station ID: 10009462

SWIMS Station Name: PLEASANT VALLEY CREEK UPSTREAM KITTLESON RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.87707	89.78574	SWIMS SWDV (GPS)	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
SUGAR - PECATONICA	GORDON CREEK	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
AMRHEIN, JAMES	PLEASANT AND KITTLESON VALLEY 5 YEAR FOLLOW UP -

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.** ____ **of** ____
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)**
8.7	13.18	113.3	8.3	539	

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)
- [X] 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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40

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

Aquatic Macrophytes: 20 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **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		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Logan Cutler	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 6/19/19	Specimens Saved: 126	

subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181015-13-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Pleasant Valley Branch**
SWIMS Database Key: **169818811**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	III	3	Klub 2016		
Stenacron	L	II	2	"	imm	
Cheumatopsyche	L	01	21	Hils 1995		
Hydropsyche	L	I	1	"	imm	
Ceratopsyche slossonae	L	II	2	Schm Hils 1986		
1/1 C. sparna	L	I	1	"		
Hydroptilidae	P	I	1	Wiggins 2008		
2/4 Lepidostoma	L	III	3	Hils 1995		
Pycnopsyche	L	I	1	"		
Neophylax	L	I	1	"	imm	
Ceratopsyche	L	I	1	"	imm	N
Optioservus	L	X III	13	Hils Schm 1992	imm	N
O. fastiditus L, 13 A, 14	L,A	0-II	27	"		
Chrysomelidae	L	I	1	White Rough 2008		
Hemerodromia	L	I	1	Courtney 2008		
Neoplasta	L	I	1	"		
Simulium vittatum species complex 08110217	L	II	2	Adler et al 2004		
Simulium	P	I	1	"		N
Chrysops	L	I	1	Hils 1995		
Antocha	L	III	3	"		
Gammarus pseudolimnaeus	A	X II	12	Hols 1972		
Caecidotea	A	II	2	Will 1972	imm	
Hygrobates	A	II	2	Pluch 1984		
Dyseriidae	A	III	3	Thorp Rog 2016		
Tubificinae	A	I	1	Brinkhurst 1994	post frag	
Physa	A	-I	6	Thorp Rog 2016		
Pisidium	A	II	2	Mackie 2007		
~~Split A2 Chironomidae~~	~~L~~	~~0-ND~~				
Diamesa	L	I	1	Saether 2013		
Parakiefferiella tarsus	P	I	1	Ferrington 2008		N
Thienemanniella group	L	I	1	Cranston 2013	imm	
3/5 Pagastia	L	I	1	Saether 2013		
4/6 Parachaetocladius	L	I	1	Andersen 2013		
Parametriocnemus	L	I	1	"		
Orthocladius (Orthocladius)	L	II	2	"		
Chironominae 08330000	L	II	2	Cranston 2013	not ident. down	N

>3 taxa, TVAL ≤ 2.0

6 < (0.1 x 115)

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Cladotanytarsus	L	I	1	Epler et al 2013		
Microtendipes pedellus group	L	III	3	"		
Paratanytarsus longistilus	L	III	3	"		
Rheotanytarsus	L	-IIII	9	"		
Tanytarsus	L	I	1	"		