

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name BILLINGS CREEK		Waterbody ID Code 1196900		Sample ID (YYYYMMDD-CY-FD) 20170912-63-01	
Sampling Location				Database Key 150518743	
SWIMS Station ID 10009007		SWIMS Station Name BILLINGS CREEK STATION #3 BRG. ON CTH F			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) LOWER WISCONSIN		Watershed Name MIDDLE KICKAPOO RIVER		County VERNON	
Sample and Site Descriptors					
Sample Collector (Last Name, First) JEAN UNMUTH			Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS		
Sampling Device					
☒ 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) 4.0		Estimated Area Sampled (m ²) 3.0		Number of Samples in Composite 0	
				Replicate No. _____ of _____	
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☒ Trend ☐ Other: _____					
Water Temp. (C) 11.0	D.O. (mg/l)	D.O. (%sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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) 0.30		Average Stream Width of reach (m) 6.0	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 40	
Sand: 10		Clay: _____		Gravel (ladybug to tennisball): 40	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: 10	
Other (): _____		Silt/Muck: _____		Overhanging Vegetation: _____	
Embeddedness of Substrate at Sample Site (%) 10		Canopy Cover at Sample Site (%) 40			

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	N		Dissolved Oxygen	N	
- Planktonic Algae	N		Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	
			Point Source - Specify:	N	
			Pasturing of Livestock	PL	PL
Channelization: - Upstream	N		Runoff: - Barnyard	N	
- Downstream	N		- Construction	N	
Hydraulic Scour / Channel Incision	PL		- Cropland	PL	PL
Impoundment: - Upstream	N		- Urban	N	N
- Downstream			Septic Systems	N	
Low Flow	N		Tile Drainage - Organic Soils	N	
Sedimentation	N		- Mineral Soils	N	
Sludge	N		Springs	N	
Thermal	N		Tributary(s)		
Turbidity	N		Wetland	N	
Other - Specify:			Other - Specify:		

Comments

Sample poorly preserved 

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Murphy, skinner	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 10/3/18	Specimens Saved Subsample archived in ABC vial Jan 2022	

2C 51 3A 97
2D 12 Total 160

Wisconsin Department of Natural Resources

ABL SampleNum: 20170912-63-01

Taxonomist: Dimick, Jeffrey

Waterbody: Billings Creek
SWIMS Database Key: 150518743

Page 1 of 2

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	III	11	Klob 2016	dam	N
Baetis brunneicollis	L	II	2	"		
B. flavistriga species complex	L	III	3	"		
Placiditus	L	I	1	"	dam	
1/2 Brachycentrus occidentalis	L	I	5	Hils 1985		
Hydropsychidae	L	II	2	Hils 1985	dam/imm	N
Cheumatopsyche	L	XIII	18	"		
Hydropsyche	L	I	1	"	imm	N
H. betteri	L	III	23	Schm Hils 1986		
Ceratopsyche	L	II	3	Hils 1985	imm	N
C. bronze	L	III	3	Schm Hils 1986		
1/2 C. glossonae	L	IV	25	"		
C. sparna	L	IV	7	"		
Hydropsyche	L	I	1	Hils 1985		
Ophroservus	L	III	4	Hils Schm 1992		
D. fastidius L, Z A.1	L/A	III	3	"		
Simulium tuberosum species complex	L	I	1	Adl et al 2004		
S. vittatum species complex 0810217	L	II	2	"		
Simulium	P	I	1	"		
Parametrioecnemus	P	I	1	Ferr et al 2008		
Gammarus pseudolimnaeus	A	-I	6	Hils 1972		
Split A3 Chironomidae	L	XIII				
Simulium	L	I	1	Adl et al 2004	dam	
Thienemannimyia group	L	I	1	cran Epl 2013	imm	
Orthocladinae 0830000	L	I	1	Cranston 2013	imm	N
Eukretella	L	II	2	Ander+3 2013	dam	Y
E. devoniana group	L	I	1	"		
Brillia	L	I	1	"	imm	
Limnophyes	L	I	1	"		
Parametrioecnemus	L	I	1	"		N
Thienemannella	L	I	1	"	not ident	
Tretenia bavaria group	L	IXIII	54	Bode 1983		
Tr. discoloripes group	L	II	2	"		
Cricotopus/orthocladus	L	I	1	Ferr et al 2008	dam	N
Chironomidae 0830000	L	II	2	Cranston 2013	imm	N
Polypedilum (Uresipedium) aviceps	L	III	4	Bolton 2012		

<3 taxa, TVAL <2.0

Taxonomist: Dimick, Jeffrey

Page 2 of 2

[illegible]