Spring Brook @ Hwy X
Station # 10051292
Sample 1 of 1
20181023-68-07
Rachel Sabre

State of Wisconsin
Department of Natural Res
PO Box 7291, Madison W
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)**
SPRING BROOK	770300	20181023-68-07

Sampling Location	**Database Key**
	169406776

SWIMS Station ID	**SWIMS Station Name**
10051292	SPRING BROOK US OF HWY X

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.9301061	-88.3598581	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
FOX (IL)	MIDDLE FOX RIVER - ILLINOIS	WAUKESHA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
RACHEL SABRE	MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE

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**
1min	1m2	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
10.46	10.26	94.0	8.09	694.4	120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] 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)**
	0.15m	3m

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: 20

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

Embeddedness of Substrate at Sample Site (%) 40% **Canopy Cover at Sample Site (%)** 70%

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)

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	Taxonomist	Estimated Percent of Sample Sorted
Kiersten Czarnecki	Dimick, Jeffrey	40
Date Processed	**Specimens Saved**	
5/3/2019	Subsample archived in ABL, until Jul 2022	

D1: 26 D3: 18 A3: 50
E3: 20 D2: 13 B3:
46 31

31
46
77

77
50
127

Wisconsin Department of Natural Resources
ABL SampleNum: **20181023-68-07**
Taxonomist: Dimick, Jeffrey

Waterbody: **Spring Brook**
SWIMS Database Key: **169406776**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/29 Taeniopteryx	L	0-IIII	29	Hils 1995	imm	
Perlodidae	L	I	1	"	imm	
Baetidae	L	I	1	Klub 2016	imm	N
Baetis flavistriga species complex	L	II	2	"		
Callibaetis	L	I	1	"		
Labrobaetis frondalis	L	8I	31	"		
Caenis	L	I	1	"	imm	
Leptophlebia cupida	L	II	2	"		
Calopteryx maculata	L	I	1	West May 1996		
Cheumatopsyche	L	I	1	Hils 1995		
Oecetis	L	I	1	"	imm	
Limnephilidae	L	II	2	"	imm	N
Platycentropus	L	I	1	"	imm	
Ryacophila	L	II	2	"		
Chimarra aterrima	L	IIII	4	Hils 1982		
Macronychus glabratus	L	I	1	Hils Schm 1992		
Stenelmis	L	I	1	"		
Anacaena lutescens	A	I	1	Hils 1995b		
Cyphon	L	II	2	Hils 1995		
Simulium vittatum species complex 08110217	L	-II	7	Adler et al 2004		
Simulium	P	-	5	"		N
Thienemanniella	P	I	1	Ferr et al 2008		
Gammarus pseudolimnaeus	A	-III	8	Hils 1972		
Hyalella wellborni	A	I	1	Soucek et al 2015		
Hydrobiidae NOT P. antipodarum	A	-I	6	Brown 1991		
Belostoma flumineum	A	I	1	Hils 1984a		
		JJD				
Stenochironomus	L	#I	1	Epler et al 2013	post-JJD	
Conchapelopia 08270700	L	I	1	CranEpi 2013		
Thienemanniella group	L	III	3	"		
Corynoneura	L	I	1	Andr+3 2013		
Parametriocnemus	L	III	3	"		
Thienemanniella	L	I	1	"	dam	N
Tvetenia bavarica group	L	I	1	Bode 1983		
Cricotopus (Cricotopus) trifascia group	L	III	4	Andr+3 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (Uresipedilum) flavum	L	IIII	4	"		

<3 taxa, TVAL ≤20