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)**
SOUTH FORK ELK CREEK	1817500	20191015_06-01

Sampling Location	**Database Key**
	210267588

SWIMS Station ID	**SWIMS Station Name**
10052201	SOUTH FORK ELK CREEK AT LINSE ROAD

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

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

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
TAYLOR M HASZ, ANDREW J SCHNEYER	WEST DISTRICT NC STREAM STRATIFIED SITES 2019

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**
1	1	1	1 / 1

Reason For Sampling

- [ ] Least Impacted Reference
- [x] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [ ] Other: NCSR

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
8.33	14.7	120.1	7.36	405	

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)**
	0.5m	3m

Composition of Substrate Sampled (Percent):

Bedrock:	Boulders (basketball or larger): 30	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 20
Sand: 20	Clay:	Silt/Muck:	Overhanging Vegetation:
Aquatic Macrophytes:	Leaf Snags:	Coarse Woody Debris:	Other (_____):

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 90

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	18%
Date Processed	**Specimens Saved**	
9/15/20	131 Subsample archived in ABL until Nov 2023	

11	38	31	24	10	5	4	8
C2Q3	E2Q3,4 3hrs	C2Q1,2	E2Q1,2	C2Q4	D1Q4	D1Q1	D1Q2

Wisconsin Department of Natural Resources
ABL SampleNum: **20191015-06-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **South Fork Elk Creek**
SWIMS Database Key: **210267588**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	IIII	22	Klub 2016		
B. tricaudatus	L	-IIII	9	"		
B. flavistriga species complex	L	I	1	"		
Ephemerella	L	-	5	MerrCummB 2019	imm	
Maccaffertium vicarium	L	I	1	Klub 2016		
Taeniopteryx	L	III	3	MerrCummB 2019	imm	
Brachycentrus occidentalis	L	-II	7	Wils 1985		
Hydropsychidae	L	I	1	MerrCummB 2019		
Ceratopsyche slossonae	L	X	10	SchmWis 1986		
Hydropsyche	L	I	1	Wils 1995	imm	
Lype diversa	L	II	2	"		
Helichus striatus	A	I	1	WilsSchm 1992		
Bagous	A	I	1	Wils 1995		
Gammarus pseudolimnaeus	A	8x-III	58	Wols 1972		
JD ~~Naididae~~ Nais	A	I	1	KathBrin 1998		
~~Smittia Chironomidae spilledvial, lost 2 JD~~	~~L~~	~~#-III-3 JD~~				
Eukiefferiella claripennis group	L	I	1	And et al 2013		
Endochironomus nigricans	L	I	1	Bolton 2012		
Polypedilum (Uresipedilum) aviceps	L	III	3	"		
Stempellinella	L	I	1	And et al 2013		
Stictochironomus	L	I	1	"		