

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name MOORE CREEK		Waterbody ID Code 1200000	Sample ID (YYYYMMDD-CY-FD) 20171018-42-06
Sampling Location ~ 120 m US of bridge		Database Key 149819306	
SWIMS Station ID 10015622		SWIMS Station Name MORRIS (MOORE) CREEK STATION 4 - VILLAGE OF NORWALK	
Latitude 43.829742	Longitude -90.61775	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name UPPER KICKAPOO RIVER	County MONROE

Sample and Site Descriptors	
Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name TRI CREEKS WATERSHED TWA 2017

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) 1.5	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Tri Creeks TWA

Water Temp. (C) 12.58	D.O. (mg/l) 11.84	D.O. (% sat.) 111.7	pH (su) 8.42	Conductivity (umhos/cm) 449	Transparency (cm) 120+
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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) 0.7	Average Stream Width of reach (m) 5.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 60 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 0
 Canopy Cover at Sample Site (%) 0

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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	N	N	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	PL
Physical			Point Source - Specify:	U	N
Bank Erosion	N	PL	Pasturing of Livestock	N	PL
Channelization: - Upstream	PL	N	Runoff: - Barnyard	N	PL
- Downstream	PL	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	PL	- Cropland	N	PH
Impoundment: - Upstream	N	PL	- Urban	PH	N
- Downstream	N	N	Septic Systems	U	U
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	N	N	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	U	U	Tributary(s)	N	PL
Turbidity	N	N	Wetland	N	U
Other - Specify:			Other - Specify:		

Comments *Sampled ~120m US of bridge in deep riffle with large boulders. Stream runs through park/village area.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Sam Lamarche</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>5/1/18</i>	Specimens Saved <i>Subsample archived in ABC until Aug 2021</i>	

*Bf C1 A1
 65 S1 U6*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis harrisi</i>	L		2	Kleb 2016		
1/3 <i>B. tricaudatus</i>	L	XIII	13	"		
<i>B. flavistriga</i> species complex	L	XII	12	"		
Heptageniidae	L	I	1	"	dam	N
<i>Stenonema</i>	L	-II	7	"	imm	
<i>Maccaffertium medipunctatum</i>	L	-III	8	"		
<i>Cheumatopsyche</i>	L	XII	37	Hils 1995		
<i>Hydropsyche betteri</i>	L	-	5	Schl Hils 1986		
<i>Ceratopsyche albedra</i>	L		2	"		
<i>C. horata</i>	L	I	1	"		
2/20 <i>C. sparsa</i>	L	-II	7	"		
3/24 <i>Psychomyia flavida</i>	L	III	4	Hils 1995		
<i>Optiservus</i>	L	XII	12	Hils Schl 1992	imm	N
<i>O. fastiditus</i>	L	XI	16	"		
<i>Stenelmis crenata</i>	A		2	"		
<i>Simulium vittatum</i> species complex OBNOBIA	L		2	Adler et al 2004		
<i>Antocha</i>	L	-	5	Hils 1995		
<i>Dicranota</i>	L	I	1	"		
<i>Tvetenia</i>	P		2	Fer et al 2008		
<i>Gammarus pseudolimnoides</i>	A	X-III	19	Holsinger 1972		
Mermithida	A	I	1	Poinar 1991	imm	
Naidinae	A	I	1	Fers Gust 2002		
Split A3 Chironomidae	L	II-III				
<i>Conchapelona</i>	L	I	1	Cran Epl 2013		
<i>Cardiodactylus obscurus</i>	L	I	1	Epler 2001		
<i>Eukiefferiella</i>	L	I	1	And + 3 2013	imm	N
<i>Ev. claripennis</i> group	L	I	1	"		
<i>Ev. devonica</i> group	L	-I	6	"		
<i>Microtendipes pedellus</i> group	L		2	Epl et al 2013		
<i>Polypedium (Uresipedium) aviceps</i>	L	III	5	Bolton 2012		
<i>P.(U.) flavum</i>	L	II	1	"		

3 taxa, TVAL ≤ 2.0

24 > (0.1 x 164)