

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SPRING VALLEY CREEK	Waterbody ID Code 1200200	Sample ID (YYYYMMDD-CY-FD) 20171101-42-06
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Sampling Location US of bridge ~10m	Database Key 149819318
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SWIMS Station ID 10020523	SWIMS Station Name SPRING VALLEY CR. (CR. 10-2) ST. 2 MENDOTA AVE. CROSSING
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Latitude 43.80252	Longitude -90.642265	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name UPPER KICKAPOO RIVER	County MONROE
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Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name TRI CREEKS WATERSHED TWA 2017
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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) 0.5	Estimated Area Sampled (m²) 0.5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 5.87	D.O. (mg/l) 13.88	D.O. (% sat.) 111.5	pH (su) 8.59	Conductivity (umhos/cm) 513	Transparency (cm) 120+
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.15	Average Stream Width of reach (m) 1.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 5 Gravel (ladybug to tennisball): 90
 Sand: 5 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

Factors that may be influencing Water Resource Integrity			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
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	PL	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
Physical			Point Source - Specify:	N	N
Bank Erosion	PL	PL	Pasturing of Livestock	PH	PL
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	PL
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	PH	PL	- Cropland	PH	PH
Impoundment: - Upstream	N	N	- Urban	N	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)	PL	PL
Turbidity	N	N	Wetland	N	U
Other - Specify:			Other - Specify:		

Comments Curly leaf PW abundant at site. Heavy pasturing around stream as well as crop fields with minimal buffer. Large blowout on DS side of bridge.

Special Instructions for Laboratory

125

For Lab Use Only		
Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 5/3/2018	Specimens Saved Subsample archived in ABL until Aug 2021	

CI=285

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L		4	Hils 1985		
1/2 Isometra signata	L	"	2	Hils 1982		
Baetidae	L	"	2	Kleb 2016	imm	N
Baetis brunneicolor	L		4	"		
2/8 B. tricaudatus	L	x-1	16	"		
B. flavistriga species complex	L		2	"		
Ephemerella	L	-	5	"	imm	N
3/20 E. excrucians	L	"	2	"		
4/26 Brachycentrus occidentalis	L	-1	6	Hils 1985		
Hydropsychidae	L	1	1	Hils 1985	imm	N
Cheumatopsyche	L	-	8	"		
Hydropsyche betteni	L	-	9	Schm Hils 1986		
Ceratopsyche	L	1	1	Hils 1985	imm	N
C. alhedra	L	1	1	Schm Hils 1986		
C. slosserae	L	-	7	"		
Neophylax	L	1	1	Hils 1985	imm	
Optioservus	L	x-	14	Hils Schm 1982	imm	N
O. fastidiosus L. 10 A. 1	L, A	x-1	11	"		
Stenelmis	L	"	2	"		N
S. crenata	A	"	2	"		
Bezzia/Dalmanella	L	1	1	Hils 1985		
Hemerodromia	L	1	1	Court Merr 2008		
Simulium	L		3	Abbr et al 2001	imm	N
S. vittatum species complex 0811021B	L	0-	29	"		
Antocha	L	1	1	Hils 1985		
Dicranota	L	"	2	"		
Gammarus pseudolimnaeus	A	"	2	Hils 1972		
Dina dubia	A	1	1	Klemm 1985		
Split of Chironomidae	L	- (JW)				
Nilotanytus	L	1	1	van Epl 2013		
Thienemannimyia group	L	1	1	"	imm	
Orthocladinae 08320000	L	1	1	Coarsten 2013	imm	N
Boella	L	"	2	And + 3 2013	imm	
Eukiefferella claripennis group	L	-	9	"		
Eu. gracei group	L	1	1	"		
Parakiefferella	L	1	1	"		

> 3 taxa, TVAL ≤ 2.0
 26 > (0.1 x 24)

