

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SILVER CREEK	Waterbody ID Code 29900	Sample ID (YYYYMMDD-CY-FD) 201610 24 ²⁹ -60-01
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Sampling Location 25m US of Creek Rd Bridge	Database Key 137220946
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SWIMS Station ID 10009317	SWIMS Station Name SILVER CREEK 2 UPSTREAM OF CREEK ROAD
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Latitude 43.546597	Longitude -87.99245	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) MILWAUKEE RIVER	Watershed Name NORTH BRANCH MILWAUKEE RIVER	County SHEBOYGAN
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Sample and Site Descriptors

Sample Collector (Last Name, First) DYLAN OLSON	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016
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Sampling Device

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

gravelly run
overhanging veg
macrophytes

Total Sampling Time (min) 2min	Estimated Area Sampled (m²) 2m ²	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: Natural Community

Water Temp. (C) 11.0	D.O. (mg/l) 9.8	D.O. (% sat.) 91.5	pH (su) 8.4	Conductivity (umhos/cm) 992.5	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) .25	Average Stream Width of reach (m) 2.89
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 60
 Sand: 30 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: 70 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 40
 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	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
Biological				Chemical			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kuhne, Alison</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70</i>
Date Processed <i>4-5-17</i>	Specimens Saved <i>Subsample archived in ABL undil Sept 2020</i>	

B1-125

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Dubiraphia	L	/	5	Hils. Schm. 1992		N
D. minima	A	I	1	"		
D. quadrinata	A	"	2	"		
D. vittata	A	I	1	"		
Helophorus orientalis	A	I	1	Hilsenhoff 1995b		
Culicoides	L ADP	"	2	Hilsenhoff 1995		
Simulium vittatum species complex 08110217	L	-III	8	Adler et al 2004		
Gammarus pseudolimnæus	A	"	2	Noblinger 1972		
Caecidotea intermedia	A	-III	8	Williams 1972		
Megadrili	A	I	1	Birn. Geld. 1991		
Naidinae	A	"	2	"		
Tubificinae w/o capilliform chaetae	A	I	1	Klemm 1985		
Lumbriculus	A	I	1	Birn., Cook 1966		
Cricotopus (Cricotopus)	P	"	2	Coffr. et al 1986		N
Corchapelopia	L	I	1	Coats, Epler 2013		
Hydrobaenus	L	L	1	Ander. + 3 2013		
Limnophyes	L	I	1	"		
Nanocladius	L	I	1	"	imm	
Orthocladius (Orthocladius)	L	IIII	4	"		Y
O. (O.) oliveri	L	-I	6	Epler 2001		
Cricotopus/Orthocladius	L	I	1	Fert. et al. 2008	imm	N
Cricotopus (Cricotopus) bicinctus group	L	-II	7	Ander. + 3 2013		
Chironominae	L	I	1	Coarsten 2013	imm	N
Chironomus	L	-III	8	Epler et al 2013		
Cladotanytarsus	L	I	1	"		
Cladotanytarsus	L	I	1	"		
Cryptochironomus	L	I	1	"		
Dicoelendipes	L	"	2	"		
Micropsectra	L	XI	15	"		
Paratanytarsus sp. A	L	X-III	19	Hilsenhoff unpub		
Stictochironomus	L	X-IV	17	Epler et al 2013		
Tanytarsus	L	IIII	4	"		

< 3 taxa, TVAL ≤ 2.0