

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

Station Summary

Waterbody Name SILVER CREEK		Waterbody ID Code 146800	Sample ID (YYYYMMDD-CY-FD) 20201020-20-04
Sampling Location			Database Key 251842566
SWIMS Station ID 10041510	SWIMS Station Name SILVER CREEK AT COUNTY KK		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name BIG GREEN LAKE	County FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name 319 PROJECT-SILVER AND DAKIN CREEK TWA 2020
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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) 3	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 10.0	D.O. (mg/l) 9.1	D.O. (% sat.) 81.7	pH (su) 7.0	Conductivity (umhos/cm) 702	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) 0.3	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 80
 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	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PL	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	PH	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	PH
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	PH	Tile Drainage - Organic Soils	PL	PH
Low Flow	N	PL	- Mineral Soils	PL	PH
Sedimentation	PH	PH	Springs	PL	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

~~LTT - Laves & Parsons, Cedar Springs
 No diatoms
 - Silver Creek TWA D.T.B. fish (except larger)
 - River LTT (PFAS ^{next week})
 - Large River Macrods (no success)
 866 715 6494
 723 676 7473~~

For Lab Use Only

Sample Sorter	RAV	Taxonomist	Dimick Jeffray	Estimated Percent of Sample Sorted	46.66%
Date Processed	4/20/21	Specimens Saved	Subsample archived in ABL into 1 May 2024		

C2 Q3: 8
 A1 Q4: 1
 C2 Q1: 7
 A1 Q3: 4
 C2 Q4: 8
 A1 Q1: 9
 C2 Q2: 4
 A1 Q3: 4
 B3: 23
 E1: 19
 D3: 19
 E2: 32

166 specimens

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bonniecolor	L III		3	Kleb 2016		
Neserophylax designatus	L X		10	Hils 1985		
Lepidoptera	L I		1	MCB 2019	dam	
Chironomidae Orthocladiinae	P I		1	"	dam	N
Trichoptera	L I		1	"		
Climacera	L III		4	"		
Neoplasta	L II		2	"		
Diptera Brachyera	P I		1	"		Y
Pedicia	L I		1	"		
Dicranota	L II		2	"		
Craononyx	A III		3	Thorp Reg 2016	Pen	
Gammarus pseudolimnoides	A 888 ¹		126	Hals 1972		
Caecidotea	A X I		11	Thorp Reg 2016	Pen/Imm	
Trembidiformes	A I		1	"	Imm	N
Hydrobates	A III		4	Peck et al 1990		
Lebertia	A II		2	"		
Limnesia	A III		7	"		
Sprentiidae	A I		1	"		
Pedocapida	A I		1	Thorp Reg 2016		
Hydridae	A I		1	"		
Physa	A 88-III		89	"		
Bythotrephes	A II		2	"		
Schmereriidae	A I		1	"	Imm	N
Pisidium	A III		4	"		
Tricladida	A III		5	"		
Enchytraeidae	A I		1	"		
Lumbriculus	A I		1	"		
Naidinae	A III		4	Kath Brin 1998		
Tubificonae (without hairs)	A 8-III		38	"		
Ephydridae	A III		4	Thorp Reg 2016	dam/Imm	
Split As Chironomidae	L X I - 2016					
Diamesa	L I		1	And et al 2013		
Conchapelopia	L III		3	"		
Parametopaenemus	L III		3	"		
Thremmannella xena	L I		1	Bolton 2012		
Micropsectra	L II		2	And et al 2013		
Polypetillum (Polypetillum) illinoense group	L I		1	Bolton 2012		