

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SILVER CREEK	Waterbody ID Code 146800	Sample ID (YYYYMMDD-CY-FD) 20201104-20-03
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Sampling Location	Database Key 251842558
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SWIMS Station ID 203080	SWIMS Station Name SILVER CREEK AT KORO RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) UPPER FOX	Watershed Name BIG GREEN LAKE	County FOND DU LAC
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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) 2.0	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

Water Temp. (C) 8.7	D.O. (mg/l) 10.8	D.O. (% sat.) 94.7	pH (su) 7.9	Conductivity (umhos/cm) 748	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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) 0.5	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): ~~40~~ 40 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 50
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	PL	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	PL	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
			Point Source - Specify: Ripon WWTF	PL	PL
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PH	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	PH	- Construction	N	N
- Downstream	N	PL	- Cropland	N	PH
Hydraulic Scour / Channel Incision	N	PL	- Urban	PH	PH
Impoundment: - Upstream	NPH	PH	Septic Systems	N	N
- Downstream	NPH	NPH	Tile Drainage - Organic Soils	N	PL
Low Flow	N	N	- Mineral Soils	N	PL
Sedimentation	PH	PH	Springs	PL	PH
Sludge	N	N	Tributary(s)	PL	PH
Thermal	PH	PH	Wetland	N	N
Turbidity	PH	PH	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

2.5 + 2 + 2 = 6.5 hrs

For Lab Use Only

Sample Sorter Reed, Kayla	Taxonomist Dimock, Jeffrey	Estimated Percent of Sample Sorted 20.3% to 21.7%
Date Processed 4-27-2021	Specimens Saved 125 subsample archived in BCL until May 2024	

C1 Q4 → 3 C1 Q1 → 5 C2 → C2 Q3 → 4 C2 Q2 → 5 C2 Q4 → 2 C2 Q1 → 7
 A3 Q2 → 10 C1 & A3 → 23 C3 Q1 → 3
 C1 Q3 → 11 A1 → 27 D2
 A3 Q3 → 2 E2 → 23

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneusolar	L	1	1	Kluth 2016		
B. flavostriata species complex	L	11	2	"		
Stenocranus	L	1	1	MCB 2019	imm	
ceratopsyche	L	1	1	Hils 1995	imm	N
C. breata	L	11	2	Schm Hils 1986		
Cheumatopsyche	L	2111	23	MCB 2019		
Hydropsyche bettereri	L	111	5	Schm Hils 1986		
Leucotrichia pictipes	L	1	1	Hils 1995		
Hydropsyche	L	1	1	"	imm	N
Chimarra obscura	L	1	1	Hils 1982		
Optioservus	L	11	3	MCB 2019	imm	N
D. fastiditus	L	1	5	Hils Schm 1992		
Stenelmis	L	2111	24	MCB 2019		N
St. crenata	A	1111	4	Hils Schm 1992		
Cricotopus (Cricotopus)	P	1	1	Wieder 1986		
Hemerodromia	L	21111	14	MCB 2019		
Antocha	L	1	1	"		
Dicranota	L	1	1	"		
Oammarus pseudolinnaceus	A	2-1	16	Will 1972		
Caecidotea	A	1111	9	Thompson 2016	fem/imm	
Ferrissia rivularis	A	1	1	"		
Naidinae	A	2-11	27	Kath Bolton 1998		
Tubificinae (with hair)	A	1	1	"		Y
Tubificinae (without hair)	A	111	3	"		Y
Megadrili	A	11	2	Thompson 2016		
Orconectes rusticus	A	1	1	Hobbs Jass 1988		
Split A2 Chironomidae	L	21111-1111				
Microtendipes pedellus group	L	1111	5	And et al 2013		
Rhyacotanytarsus	L	111	3	"		
Stenochironomus	L	1	1	"		
Cricotopus	L	-1	6	"		N
Parametriocnemus	L	1	1	"		
Thienemannella vera	L	1	1	Bolton 2012		
Tvetenia bavarica group	L	1	1	Bode 1983		
Polypedilum (Wespedilum) flavum	L	21111	14	Bolton 2012		