

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

Station Summary			
Waterbody Name SILVER CREEK		Waterbody ID Code 146800	Sample ID (YYYYMMDD-CY-FD) 20201020-20-01
Sampling Location		Database Key 251842554	
SWIMS Station ID 10021299		SWIMS Station Name SILVER CREEK AT DOUGLAS ST (HWY 44)	
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

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) 1.8	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) 4.4	D.O. (mg/l) 11.1	D.O. (% sat.) 87.1	pH (su) 7.6	Conductivity (umhos/cm) 700	Transparency (cm) 40
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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) 0.6	Average Stream Width of reach (m) 5.0
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 30 **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		PL	PL	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		PL	PL
- Planktonic Algae		PL	PL	Nutrients (P, N...)		PH	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	PH
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	PL
Physical				Runoff: - Barnyard		N	PL
Bank Erosion		N	PH	- Construction		N	N
Channelization: - Upstream		N	PH	- Cropland		PL	PH
- Downstream		PL	PH	- Urban		PL	PH
Hydraulic Scour / Channel Incision		N	N	Septic Systems		N	N
Impoundment: - Upstream		N	N	Tile Drainage - Organic Soils		PL	PH
- Downstream		PL	PH	- Mineral Soils		PL	PH
Low Flow		N	N	Springs		PL	PL
Sedimentation		PH	PH	Tributary(s)		PL	PL
Sludge		N	N	Wetland		PL	PL
Thermal		PH	PH	Other - Specify:			
Turbidity		PH	PH				
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Coash, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>31%</i>
Date Processed <i>4/14/21</i>	Specimens Saved <i>Subsample archived in OBL until May 2023</i>	<i>2024</i>

B1-1: 17 B1:3 + C3:2 + B1:2-27 E2:4-15
 C3-4: 18 C3:1 + B1:4 + C3:3-37 E2:3-16
 E2:1

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	I	1	Merrittum B 2019	imm	
Stenacron	L	x	15	"	imm	
Enallagma	L	I	1	"	imm	
Allocaenis	L	I	1	"		
Hesperocorixa michiganensis	A	II	2	Hils 1984a		
Cnemidopyche	L	III	3	Merrittum B 2019		
Hydroptilidae	P	I	1	"		N
Hydroptila	L	II	7	"		
Oecetis	L	I	1	"	imm	
Limnephilidae	L	I	1	"	imm	
Dubiraphra	L	III	41	"		N
D. quadrata	A	I	1	Hils Schm 1992		
D. vittata	A	III	4	"		
Mallochhelea	L	I	1	Hils 1995		
Probezzia	L	II	2	"		
Bezzia/Palpomysia	L	I	1	"		
Thienemannella	P	I	1	Merrittum B 2019		
Hemerodromia	L	III	4	"		
Gammarus pseudolimnaeus	A	III	3	Hils 1972		
Coecidotea	A	II	2	Thorp Pags 2016	imm	
Lebertia	A	II	2	Peck et al 1990		
Harpacticoida	A	I	1	Thorp Pags 2016		
Tubificonae (with hairs)	A	I	1	Kath Bin 1998		
Tubificonae (without hairs)	A	II	2	"		
Helobdella eriensis	A	I	1	Saglam et al 2018		
Spida-Chironomidae	L	III	11			
Chironomus	L	I	1	And et al 2013		
Cryptochironomus	L	I	6	"		
Concha pelepia	L	II	2	"		
Tanytus	L	III	3	"	imm	N
T. neopunctipennis	L	I	1	Bolton 2012		
Thienemannimyia group	L	II	2	And et al 2013	mt indet/imm	N
Cladotanytarsus	L	I	1	"		
Meropsedra	L	xIII	13	"		
Paratanytarsus species A	L	I	1	Hils unpubl		
Rheotanytarsus	L	I	1	And et al 2013		