

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name DAKIN CREEK		Waterbody ID Code 146700	Sample ID (YYYYMMDD-CY-FD) 20201021-24-01
Sampling Location		Database Key 251842550	
SWIMS Station ID 10037918		SWIMS Station Name DAKIN CREEK AT BROOKLYN G RD	
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 GREEN LAKE
Sample and Site Descriptors			
Sample Collector (Last Name, First) DAVID BOLHA		Project Name 319 PROJECT-SILVER AND DAKIN CREEK TWA 2020	
Sampling Device			
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 2	Estimated Area Sampled (m ²) 1.5	Number of Samples in Composite 1	Replicate No. _____ of _____
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: TWA			
Water Temp. (C) 7.4	D.O. (mg/l) 9.4	D.O. (% sat.) 80.1	pH (su) 7.8
Conductivity (umhos/cm) 688.8		Transparency (cm) 120	
Water Color		Estimated Stream Velocity (m/s)	
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		<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)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.15	Average Stream Width of reach (m) 4	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 10	Gravel (ladybug to tennisball): 80
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____
Embeddedness of Substrate at Sample Site (%)	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...)	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	PH	PH
Physical			Point Source - Specify:	N	N
Bank Erosion	PH	PH	Pasturing of Livestock	N	N
Channelization: - Upstream	PL	PH	Runoff: - Barnyard	PH	N
- Downstream	PL	PL	- Construction	N	N
Hydraulic Scour / Channel Incision	PL	PL	- Cropland	PH	PH
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	N
Low Flow	PL	PL	Tile Drainage - Organic Soils	PL	PL
Sedimentation	PH	PH	- Mineral Soils	PL	PL
Sludge	N	N	Springs	PL	PL
Thermal	PL	PL	Tributary(s)	PL	PL
Turbidity	PL	PL	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13.3%
Date Processed 4/26/21	Specimens Saved 127 subsample archived in ABC until May 2024	

30 24 39 34
 B1Q1,4 A3Q3,4 B1Q2,3 A3Q1,2
 3hrs 1 hr

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	MCB 2019	imm	N
Baetis brunneicolor	L	8-14 III	43	Kub 2016		
Glossosoma	L	1	1	MCB 2019	imm	N
G. intermedium	L	III	4	Wym Mar 2000		
Cheumatopsyche	L	X	10	MCB 2019		
Hydropsyche betteni	L	X-1	16	Schmitts 1986		
Oecetis avara	L	II	2	Floyd 1995		
Hesperophylax designatus	L	II	2	Hils 1995		
Otrioserus	L	I	1	MCB 2019	imm	N
O. fastiditus	L	II	2	Hils Schm 1992		
Diamasa	P	I	1	MCB 2019		
Neoplasta	L	II	2	"		
Simulium	P	I	1	"	dam	N
S. tuberosum species complex	L	II	2	Adl et al 2004		
S. vittatum species complex 08110217	L	III	4	"		
Topula	L	II	2	MCB 2019		
Dicranota	L	II	2	"		
Gammarus pseudocolumnatus	A	XIII	14	Hols 1972		
Limnesia	A	III	3	Hols 1972		
Fossaria	A	I	1	Thorp Gov 1991		
Physa	A	8x-II	57	Thorp Reg 2016		
Gyraulus deflectus	A	I	1	"		
Sphaeriidae	A	I	1	"	imm	N
Pisidium	A	II	2	"		
Erchytraeidae	A	I	1	"		
Naidinae	A	II	2	Kath Brn 1998		
Megacriti = Metasynphora	A	I	1	Thorp Reg 2016		
Split A2 Chironomidae	L	XIII	13			
Corynoiceta	L	I	1	And et al 2013		
Brilica	L	I	1	"	imm	
Tuctenia bavaria group	L	III	8	Bode 1983		
Chironomidae	L	I	1	MCB 2019	not indet	N
Orthocladiinae	L	I	1	And et al 2013	imm	Y
Nanocladius (Nanocladius)	L	I	1	"	imm	
Chironominae	L	II	3	"	not indet	N
Microsectra	L	I	1	"		
Polypedilum	L	I	1	"	imm	Y

< 3 taxa, TVALS 2.0

