

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name Trib to TUC - UNNAMED			Waterbody ID Code		Sample ID (YYYYMMDD-CY-FD) 20211027-62-05
Sampling Location SERVAIS LN OFF APPLE VALLEY				Database Key 296979505	
SWIMS Station ID 10055395		SWIMS Station Name UNNAMED TRIB (1780900) TO TRAVERSE VALLEY CR AT SERVAIS LN			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) BUFFALO - TREMPLEALEAU		Watershed Name MIDDLE TREMPLEALEAU RIVER		County TREMPLEALEAU	
Sample and Site Descriptors					
Sample Collector (Last Name, First) KURT RASMUSSEN			Project Name TRAVERSE VALLEY CREEK TWA 2021		
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) 3	Estimated Area Sampled (m ²) 1.0	Number of Samples in Composite -		Replicate No. 1 of 1	
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input checked="" type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____	
Water Temp. (C) 8.8	D.O. (mg/l) 10.97	D.O. (% sat.) 94.5	pH (su) 7.77	Conductivity (umhos/cm) 291.5	Transparency (cm) >120
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)		
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2		Average Stream Width of reach (m) 1.0		
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 70	Gravel (ladybug to tennisball): _____		
Sand: 20	Clay: _____	Silt/Muck: 10	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	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	PL	PH
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PH	Runoff: - Barnyard	PH	PL
Channelization: - Upstream	PH	PH	- Construction	N	N
- Downstream	PH	PH	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	PH	PH	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	PL	PL
Sedimentation	PH	PH	Springs	N	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

For Lab Use Only

Sample Sorter Mang Jag Relagio	Taxonomist Dimitri Jeffroy	Estimated Percent of Sample Sorted 2%
Date Processed 7/28/2022	Specimens Saved Subsample archived in jar until Oct 2025	

D1 939
 915
 948
 9211

B2 9312
 925
 9411
 918

C4 9311
 9210
 9410
 91

A A4 9217
 9314
 94
 91

D2 91
 94
 93
 92

133

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brounneicolar	L	xii	12	Kubo 2016		
^{3/46} Ephemera	L	-ii	7	MCB 2019	imm	
Theriotomyza	L	xiii	33	"	imm	N
^{1/30} Trichoptera	L	-	5	Full Steen 1980		
^{2/49} Brachycentrus occidentalis	L	i	1	Hils 1985		
Ceratopsycha slossonae	L	iii	3	Schm Hils 1986		
Limnephilidae	L	i	1	MCB 2019	dam	
Helichus striatus	A	i	1	Hils Schm 1992		
Crocotopus (Crocotopus)	P	i	1	Wieder Kibler		
Thremmanniella	P	iii	3	MCB 2019		
Simulium vittatum species complex 031028	L	xii	7	Adlehal 2004		
Dicranota	L	x-i	16	MCB 2019		
Gammarus pseudolimnoides	A	-i	6	Hols 1972		
Naicinae	A	ii	2	Kath Bein 1998		
Tubificinae (with hairs)	A	i	1	"		Y
Tubificinae (without hairs)	A	ii	2	"		Y
Physa	A	-iii	8	Thorp Rog 2016		
Split to Chironomidae	L	ii-iii				
Procladius olivaceus	L	iii	6	And et al 2013		
Brillia	L	ii	2	"	imm	N
B. flavifrons	L	i	1	Epler 2007		
Limnophyes	L	i	1	And et al 2013		
Micropsectra	L	i	1	"		

3 taxa, TUALS 2.0
 467 (0.1 x 467)