

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED (Tilden Creek)	Waterbody ID Code 2151300	Sample ID (YYYYMMDD-CY-FD) 20181112-09-01
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Sampling Location	Database Key 170070268
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SWIMS Station ID 10012977	SWIMS Station Name TILDEN CREEK (CREEK 13-6) 2- 110TH ST.
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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) LOWER CHIPPEWA	Watershed Name DUNCAN CREEK	County CHIPPEWA
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Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2018
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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 min	Estimated Area Sampled (m²) 3 m ²	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: NCSR

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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) .3	Average Stream Width of reach (m) 1.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 10
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 50
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 10 Other (): _____

Embeddedness of Substrate at Sample Site (%) 10 **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	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
Biological				Chemical			
Algae: - Diatoms / Periphyton		N	U	Chlorine		U	U
- Filamentous Algae		N	U	Dissolved Oxygen		U	U
- Planktonic Algae		N	U	Nutrients (P, N...)		U	U
Iron Bacteria		N	U	Toxics: - Inorganic (Metals)		U	U
Macrophytes		N	U	- Organic (PCBs, pesticides...)		U	U
Slimes		N	U	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		N	U
				Point Source - Specify:			
Physical				Pasturing of Livestock		N	U
Bank Erosion		N	U	Runoff: - Barnyard		PL	U
Channelization: - Upstream		N	U	- Construction		N	U
- Downstream		N	U	- Cropland		PL	U
Hydraulic Scour / Channel Incision		N	U	- Urban		N	U
Impoundment: - Upstream		N	U	Septic Systems		U	U
- Downstream		N	U	Tile Drainage - Organic Soils		U	U
Low Flow		N	U	- Mineral Soils		U	U
Sedimentation		PL	U	Springs		U	U
Sludge		N	U	Tributary(s)		U	U
Thermal		N	U	Wetland		U	U
Turbidity		N	U	Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Abby Adams	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 9-20-19	Specimens Saved Subsample archived in ABL until Dec 2022	

E3 A3 03 23
 52 51 22

Total Specs = 125

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Amphinemura</i>	L	0-1	26	Hils 1985	imm	
Leptophlebiidae	L	I	1	Klub 2016	imm	N
Leptophlebia	L	II	2	"	imm	
1 <i>Brachycentrus occidentalis</i>	L	I	1	Hils 1985		
<i>Hydropsyche betteni</i>	L	II	2	Schm Hils 1986		
<i>Limnephilus</i>	L	I	1	Hils 1985		
<i>Platycentropus amicus</i>	L	II	2	Wigg 1986		
<i>Ptilostomis</i>	L	III	3	Hils 1985		
<i>Neophylax</i>	L	HTT	5	"	imm	
<i>Ophiocercus</i>	L	I	1	Hils Schm 1992	imm	N
<i>O-fastiditus</i>	A	I	1	"		
<i>Hemerodromia</i>	L	I	1	Court Merr 2008		
<i>Simulium vittatum</i> species complex 08110217	L	-	5	Adl et al 2004		
<i>Stegopterna</i>	L	I	1	"		
<i>Dicranota</i>	L	II	2	Hils 1985		
<i>Diaamesa</i>	P	III	3	Feret al 2008		
<i>Gammarus pseudolimnacus</i>	A	X-	15	Hils 1972		
<i>Caecidotea racovitzai racovitzai</i>	A	/	5	Will 1972		
<i>Naicinae</i>	A	III	3	Brin Golt 1991		
<i>Tubificornae</i> (with hairs)	A	HT	3	Klemm 1985		
<i>Mermithidae</i>	A	I	1	Thorp Reg 2016		
<i>Spittitz Chironomidae</i>	L	III-IV				
<i>Larva</i>	L	I	1	Cran Epl 2013		
<i>Borella</i>	L	I	1	And + 3 2013		
<i>Corynoneura</i>	L	II	2	"		
<i>Diplocladius</i>	L	III	3	"		
<i>Nanocladius</i>	L	II	2	"	imm	
12 <i>Parachaelocladius</i>	L	I	1	"		
<i>Thienemannella</i>	L	I	1	"	imm	
<i>Chironominae</i> 08330000	L	II	2	Cranston 2013	imm	N
<i>Cryptochironomus</i>	L	I	1	Epl et al 2013		
<i>Polypedilum</i>	L	I	1	"	imm	N
<i>P. (Polypedilum) illinoense</i> group	L	/	5	Bolton 2012		
<i>P. (Unespedilum)</i>	L	I	1	Epl et al 2013	imm	N
<i>P. (Unespedilum) ariceps</i>	L	I	1	Bolton 2012		
<i>Paratanytarsus</i> species A	L	I	1	Hils unpubl		
<i>P. longistilus</i>	L	X-II	17	Epl et al 2013		

23 taxa, TOTAL = 20

