

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

Station Summary

Waterbody Name UNT to Lake Michigan #2		Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD) 20190930-05-07
Sampling Location 10m DS Nicolet Dr.			Database Key 218829979
SWIMS Station ID 10053238	SWIMS Station Name UNT TO LAKE MICHIGAN 10M DS NICOLET DR		
Latitude 44.5429266	Longitude -87.9216283	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County Brown

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name FOX RIVER AOC- NON-WADEABLE MACROINVERTEBRATE
--	--

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) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) 17.8	D.O. (mg/l) 10.3	D.O. (% sat.) 110.9	pH (su) 7.8	Conductivity (umhos/cm) .771	Transparency (cm)
--------------------------------	----------------------------	-------------------------------	-----------------------	--	--------------------------

Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) 0.1	Average Stream Width of reach (m) 2
--	---	---

Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 70

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Eric Noos	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 7/15/2020	Specimens Saved Subsample archived in ABL units! sept 2023	

B3 C3
 97 72 = 169

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneator</i>	L	11	2	Kub 2016		
<i>Allocaenia</i>	L	11	5	Merritt & Cummins 2019		
<i>Chromatopsyché</i>	L	1	1	"		
<i>Simulium tetrosum</i> species complex	L	11	2	Adl et al 2004		
<i>S. vittatum</i> species complex 08110217	L	11	2	"		
<i>Coarctonyx</i>	A	11	2	Thorp Reg 2016	Fem	
<i>Caecostoa inermis</i>	A	BBB	150	Will 1972		
Split A2 Chironomidae	L	111-110				
JVA Split A2 worm Enchytraeidae	A	1	1	Thorp Reg 2016		
<i>Diplocladius</i>	L	1	1	And et al 2013		
<i>Pneocricotopus</i>	L	111	3	"		

23 taxa, TVAL 2.0