

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

Station Summary			
Waterbody Name MILL CREEK		Waterbody ID Code 131500	Sample ID (YYYYMMDD-CY-FD) 20161118-08-01
Sampling Location		Database Key 133649595	
SWIMS Station ID 083110		SWIMS Station Name MILL CREEK AT LAKE SHORE DR	
Latitude 44.07892	Longitude -88.311844	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name LAKE WINNEBAGO - EAST	County CALUMET

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016

Sampling Device

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) 4	Estimated Area Sampled (m ²) 3	Number of Samples in Composite 1	Replicate No. _____ of _____
--------------------------------	---	-------------------------------------	------------------------------

Reason For Sampling

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

Water Temp. (°C) 52.6 F	D.O. (mg/l) 9.68	D.O. (% sat.) 89.7	pH (su) 8.03	Conductivity (umhos/cm) 760.8	Transparency (cm) 120
----------------------------	---------------------	-----------------------	-----------------	----------------------------------	--------------------------

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) 0.3	Average Stream Width of reach (m) 2.5
---	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 60
 Sand: 20 Clay: 10 Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 40 Canopy Cover at Sample Site (%) 50

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		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		N	N
- Planktonic Algae		N	N	Nutrients (P, N...)		PL	PL
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	N
Macrophytes		PL	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	PL	Runoff: - Barnyard		N	N
- Downstream		PL	PL	- Construction		N	N
Hydraulic Scour / Channel Incision		PL	PL	- Cropland		PL	PL
Impoundment: - Upstream		N	N	- Urban		N	N
- Downstream		N	N	Septic Systems		N	N
Low Flow		PL	PL	Tile Drainage - Organic Soils		N	N
Sedimentation		PH	PH	- Mineral Soils		PL	PL
Sludge		N	N	Springs		N	N
Thermal		N	N	Tributary(s)		N	N
Turbidity		PH	PH	Wetland		N	N
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Ernst Stepien</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 20%
Date Processed 4-28-17	Specimens Saved subsample archived in ABL until Oct 2020	

D3 62
 B2 45
 E3 75
 182

