

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

Station Summary				
Waterbody Name <u>Unnamed Trib to Pine Creek</u>		Waterbody ID Code <u>80100</u>	Sample ID (YYYYMMDD-CY-FD) <u>20191007-08-15</u>	
Sampling Location <u>US Bruckner Road</u>			Database Key <u>209711225</u>	
SWIMS Station ID <u>10052984</u>		SWIMS Station Name <u>UNNAMED TRIBUTARY TO PINE CREEK AT BRUCKNER ROAD</u>		
Latitude	Longitude	Lat/Long Determination Method (circle) <u>SWIMS</u> <u>SWDV</u> <u>GPS</u>		Datum Used if using GPS <u>WGS84</u> or <u>NAD83</u>
Basin (WMU) <u>MANITOWOC</u>		Watershed Name <u>SOUTH BRANCH MANITOWOC RIVER</u>		County <u>CALUMET</u>
Sample and Site Descriptors				
Sample Collector (Last Name, First) <u>MARY GANSBERG</u>			Project Name <u>NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019</u>	
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) <u>5</u>	Estimated Area Sampled (m ²) <u>4</u>	Number of Samples in Composite <u>1</u>		Replicate No. _____ of _____
Reason For Sampling				
☐ Least Impacted Reference ☒ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____				
Water Temp. (C) <u>11.6</u>	D.O. (mg/l) <u>9.9</u>	D.O. (% sat.) <u>91.6</u>	pH (su) <u>7.8</u>	Conductivity (umhos/cm) <u>666</u>
Water Color ☐ Clear ☒ Turbid ☐ Stained				Transparency (cm)
Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☒ Fast (> 0.5 m/s)				
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) <u>0.3</u>		Average Stream Width of reach (m) <u>8</u>
Composition of Substrate Sampled (Percent):				
Bedrock: _____ Boulders (basketball or larger): <u>10</u> Rubble (tennisball to basketball): <u>60</u> Gravel (ladybug to tennisball): <u>20</u>				
Sand: <u>10</u> Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____				
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____				
Embeddedness of Substrate at Sample Site (%) <u>10</u> Canopy Cover at Sample Site (%) <u>10</u>				

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Coash, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>12/9/2019</i>	Specimens Saved <i>Subsample archived in ABL until Aug 2023</i>	

C3-39
A2-35

(A3) 771
C2

(145)

[illegible]