

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name BRANCH RIVER		Waterbody ID Code 71300	Sample ID (YYYYMMDD-CY-FD) 201610183608
Sampling Location			Database Key 134658327
SWIMS Station ID 363299		SWIMS Station Name BRANCH RIVER AT N UNION RD (2)	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MANITOWOC		Watershed Name BRANCH RIVER	County MANITOWOC

Sample and Site Descriptors	
Sample Collector (Last Name, First) MARY GANSBERG	Project Name NER LONG-TERM TREND WADEABLE REFERENCE STREAMS

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) 2	Estimated Area Sampled (m ²) 0.7	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 15.1	D.O. (mg/l) 7.8	D.O. (% sat.) 78.6	pH (su) 8.1	Conductivity (umhos/cm) 768	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" 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) 0.2	Average Stream Width of reach (m) 17
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 60
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 30

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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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		
			Point Source - Specify:		
Physical			Pasturing of Livestock		
	Bank Erosion		Runoff: - Barnyard		
	Channelization: - Upstream		- Construction		
	- Downstream		- Cropland		
	Hydraulic Scour / Channel Incision		- Urban		
	Impoundment: - Upstream		Septic Systems		
	- Downstream		Tile Drainage - Organic Soils		
	Low Flow		- Mineral Soils		
	Sedimentation		Springs		
	Sludge		Tributary(s)		
	Thermal		Wetland		
	Turbidity		Other - Specify:		
	Other - Specify:				

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Andrew Kohlmann</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>5/8/17</i>	Specimens Saved <i>Subsample archived in ABC vial Nov 2020</i>	