

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

**Station Summary**

<b>Waterbody Name</b> Black River	<b>Waterbody ID Code</b> 53200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20161101-60-01
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<b>Sampling Location</b> 120 m W.S. Beach Park Lane Bridge	<b>Database Key</b> 133795158
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<b>SWIMS Station ID</b> 10044732	<b>SWIMS Station Name</b> BLACK RIVER @ BEACH PARK LANE
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<b>Latitude</b> 43.67214	<b>Longitude</b> -87.71991	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or <u>NAD83</u>
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<b>Basin (WMU)</b> SHEBOYGAN	<b>Watershed Name</b> BLACK RIVER	<b>County</b> SHEBOYGAN
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> DYLAN OLSON	<b>Project Name</b> BLACK AND BARR FRONTAL LAKE MICHIGAN TWA 2016
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**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

*almost the whole*      *submerge/emergent veg.*      *overhanging veg.*

<b>Total Sampling Time (min)</b> 10 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 7 m <sup>2</sup>	<b>Number of Samples in Composite</b> 2	<b>Replicate No.</b> <u>1</u> of <u>1</u>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 11.3	<b>D.O. (mg/l)</b> 5.1	<b>D.O. (% sat.)</b> 47.0	<b>pH (su)</b> 7.3	<b>Conductivity (umhos/cm)</b> 745.2	<b>Transparency (cm)</b> +120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.6 m	<b>Average Stream Width of reach (m)</b> 11 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 50 Clay: \_\_\_\_\_ Silt/Muck: 50 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 30 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: 30 Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) - 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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				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>Mckayla Gironholm</i>	Taxonomist <i>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>60%</i>
Date Processed <i>12/23/16</i>	Specimens Saved <i>Subsample archived in JBL until Mar 2020</i>	

A2: 10  
 B1: 13  
 E1: 12  
 B3: 9  
 E3: 13  
 C1: 18  
 D2: 14  
 B3: 18  
 E2: 12  
 79  
 50

129