

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

Station Summary			
<b>Waterbody Name</b> PIGEON RIVER		<b>Waterbody ID Code</b> 62300	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20221005-60-01
<b>Sampling Location</b> Pigeon @ Quarry @ Hwy 42		<b>Database Key</b> 323972326	
<b>SWIMS Station ID</b> 10008189		<b>SWIMS Station Name</b> PIGEON RIVER 59 M UPSTREAM OF HWY 42	
<b>Latitude</b> 43.7814	<b>Longitude</b> -87.7475	<b>Lat/Long Determination Method (circle)</b> <u>SWIMS</u> <u>SWDV</u> GPS	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
<b>Basin (WMU)</b> SHEBOYGAN		<b>Watershed Name</b> PIGEON RIVER	<b>County</b> SHEBOYGAN

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> CRAIG HELKER	<b>Project Name</b> PIGEON RIVER TWA 2022

**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

<b>Total Sampling Time (min)</b> 3 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3m <sup>2</sup>	<b>Number of Samples in Composite</b>	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 12.5	<b>D.O. (mg/l)</b> 11.68	<b>D.O. (% sat.)</b> 110.5	<b>pH (su)</b> 8.34	<b>Conductivity (umhos/cm)</b> 731	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> 1.061 circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.5 m	<b>Average Stream Width of reach (m)</b> 8
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_   
 Boulders (basketball or larger): 10   
 Rubble (tennisball to basketball): 70   
 Gravel (ladybug to tennisball): 10  
 Sand: \_\_\_\_\_   
 Clay: \_\_\_\_\_   
 Silt/Muck: 10   
 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_   
 Leaf Snags: \_\_\_\_\_   
 Coarse Woody Debris: \_\_\_\_\_   
 Other ( \_\_\_\_\_ ): \_\_\_\_\_

<b>Embeddedness of Substrate at Sample Site (%)</b> <u>20</u>	<b>Canopy Cover at Sample Site (%)</b> <u>100</u>
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20221005-60-01  
 Station # 10008189  
 Sample 1 of 1  
 Pigeon River @ Hwy 42  
 WBIC 62300  
 Craig Helker  
 Pigeon River TWA 2022

**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:			
<b>Physical</b>				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>Undlin, Dylan</i>	Taxonomist <i>Demick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>14.0%</i>
Date Processed <i>2/9/2023</i>	Specimens Saved <i>Subsample 282 archived in ABL until May 2023</i>	

*C1 (121) B3 (100) D4*  
*q1 → 26 q3 → 21 q2 → 61*  
*q4 → 41 q2 → 29 q1 →*  
*q2 → 27 q1 → 14 q2 →*  
*q3 → 27 q4 → 36 q3 →*



