

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

**Station Summary**

<b>Waterbody Name</b> YELLOWSTONE RIVER	<b>Waterbody ID Code</b> 902500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20161010-25-05
--	------------------------------------	---

<b>Sampling Location</b> 50 m upstream of County Line Rd	<b>Database Key</b> 135064872
---	----------------------------------

<b>SWIMS Station ID</b> 10029857	<b>SWIMS Station Name</b> YELLOWSTONE RIVER AT COUNTY LINE RD (STATION 1)
-------------------------------------	--

<b>Latitude</b> 42.81417	<b>Longitude</b> 89.99062	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <b>(GPS)</b>	<b>Datum Used if using GPS</b> WGS84 or NAD83
-----------------------------	------------------------------	--	--

<b>Basin (WMU)</b> SUGAR - PECATONICA	<b>Watershed Name</b> YELLOWSTONE RIVER	<b>County</b> IOWA
--	--	-----------------------

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> AMRHEIN, JAMES	<b>Project Name</b> YELLOWSTONE RIVER TWA [HUC10] 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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>of</b> _____
---------------------------------------	--	--	--

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 12.1	<b>D.O. (mg/l)</b> 12.2	<b>D.O. (% sat.)</b> 114.0	<b>pH (su)</b> 8.0	<b>Conductivity (umhos/cm)</b> 661	<b>Transparency (cm)</b> >120
--------------------------------	----------------------------	-------------------------------	-----------------------	---------------------------------------	----------------------------------

<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 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)
--	---

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 8.0	<b>Average Stream Width of reach (m)</b>
--	---	--

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40  
 Sand: \_\_\_\_\_ 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 (%) 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
<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			
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 Sorted <i>Kayla Wilcox</i>	Taxonomist <i>Derrick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20</i>
Date Processed <i>1/25/17</i>	Specimens Saved <i>Subsample archived in ABC until May 2020</i>	

*C149 C245  
 E333*