

**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> 20181108-33-01
<b>Sampling Location</b> 50 m upstream of CTH N NC-323			<b>Database Key</b> 170070406
<b>SWIMS Station ID</b> 333090		<b>SWIMS Station Name</b> YELLOWSTONE RIVER - CTH N (BI)	
<b>Latitude</b> 42.75034	<b>Longitude</b> 89.91890	<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> LAFAYETTE

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> AMRHEIN, JAMES	<b>Project Name</b> SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018

**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> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<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: \_\_\_\_\_

<b>Water Temp. (C)</b> 6.3	<b>D.O. (mg/l)</b> 13.96	<b>D.O. (% sat.)</b> 112.9	<b>pH (su)</b> -	<b>Conductivity (umhos/cm)</b> -	<b>Transparency (cm)</b>
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**Water Color**      **Estimated Stream Velocity (m/s)**

Clear       Turbid       Stained       Slow (< 0.15 m/s)       Moderate (0.15 m/s - 0.5 m/s)       Fast (> 0.5 m/s)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_

Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 40

Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 50 Coarse Woody Debris: 10 Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** N/A      **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		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			
<b>Physical</b>				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

1C = 44

2B = 71

Total = 155

3A = 40  
 84

~~3B =~~

**For Lab Use Only**

Sample Sorter Murphy Steinhilber	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 9/11/19	Specimens Saved Subsample archived in ABL under Nov 2022	