

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name YELLOWSTONE RIVER		Waterbody ID Code 902500	Sample ID (YYYYMMDD-CY-FD) 20211011-33-01
Sampling Location 70 m downstream of Gant Road			Database Key 292585328
SWIMS Station ID 333235		SWIMS Station Name YELLOWSTONE RIVER - (BRIDGE) AT GANT RD	
Latitude 42.79985	Longitude -89.97787	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name YELLOWSTONE RIVER	County LAFAYETTE

Sample and Site Descriptors

Sample Collector (Last Name, First) KIMBERLY A KUBER, JAMES F AMRHEIN	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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

Total Sampling Time (min) 1	Estimated Area Sampled (m²) 1	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) 16.0	D.O. (mg/l) 7.97	D.O. (% sat.) 81.0	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 50
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ 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
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>Anna Powers</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>9.4%</i> <i>12.5%</i>
Date Processed <i>10/20/22</i> <i>11/4/22</i>	Specimens Saved <i>subsamples archived in ABC until Jan 2026</i>	

*D3 Q2-29
 Q4-15
 Q4-27
 Q-3*

*B2 Q1-23
 Q4-31
 Q3-30
 Q2*

*C3 Q3-10
 Q2-25
 Q4-16
 Q1-28-12*

*A1 Q4-9
 Q3-20
 Q2-14
 Q1-13*

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Baetis flavistriga</i> species complex	L	1	1		Klob 2016		
<i>Stenacron</i>	L	2	0		MCB 2019	imm	
Hydropsychidae	L	1	0		"	imm	N
<i>Ceratopsyche</i>	L	2	4		MCB 2008	imm	N
<i>C. brevitarsis</i>	L	3	3		Schmittils 1986		
<i>C. variosa bifida</i> form	L	2	3		"		
<i>C. sparna</i>	L	1	1		"		
<i>Cheumatopsyche</i>	L	5	3		MCB 2019		
<i>Hydropsyche betteni</i>	L	0	1		Schmittils 1986		
<i>Hydroptila</i>	L	8	18		MCB 2019		
<i>Dubiraphia</i>	L	1	0		"		
<i>Optio servus</i>	L	7	8		"	imm	N
<i>O. fastidivus</i> R1 L16 A.16 I22 L.3	L/A	12	3		Hils Schm 1992		
<i>Stenelmis</i>	L	3	2		MCB 2019		N
<i>S. crenata</i>	A	2	0		Hils Schmucl 1992		
<i>Atherix variegata</i>	L	0	1		Hils 1995		
Orthocladiinae	P	1	0		MCB 2019	dam	N
<i>Cricotopus (Cricotopus)</i>	P	0	1		Wieder 1986		N
<i>Wemerodromia</i>	L	2	0		MCB 2019		
<i>Simulium vittatum</i> species complex 08110217	L	0	1		Ader et al 2004		
<i>Antocha</i>	L	0	1		MCB 2019		
Dugesiiidae	A	0	1		Thorp Bog 2016		
<i>Physa</i>	A	0	1		"		
<i>Laevapex fuscus</i>	A	1	1		"		
Naidinae	A	9	15		Kater Rein 1998		
<i>Ophidona serpens</i>	A	2	0		"		
Tubificinae (without hairs)	A	3	8		"		
<i>Spitax chironomidae</i>	L	48	40	50			
<i>Thremmannomyia</i> group	L	0	2		Ader et al 2013		
Orthocladiinae	L	2	3		"	dam/imm	N
<i>Cricotopus (Cricotopus)</i>	L	1	0		"		N
<i>C. (C.) bicinctus</i> group	L	4	1		"		
<i>C. (C.) fremvius</i> group	L	1	1		"		
<i>C. (C.) tripascia</i> group	L	0	3		"		
<i>Eukiefferella devarica</i> group	L	1	0		"		
<i>Orthocladius (Orthocladius)</i>	L	1	2		"		
<i>Tvetenia bavarica</i> group	L	2	0		Bode 1963		
Chironominae	L	2	0		Ader et al 2013	imm	N
<i>Cladotanytarsus</i>	L	5	8		"		

