

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name YELLOWSTONE RIVER	Waterbody ID Code 902500	Sample ID (YYYYMMDD-CY-FD) 20201005-33-01
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Sampling Location 70 m downstream of Gant Rd	Database Key 250465709
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SWIMS Station ID 333235	SWIMS Station Name YELLOWSTONE RIVER - (BRIDGE) AT GANT RD
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Latitude 42.79980	Longitude 89.97803	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) SUGAR - PECATONICA	Watershed Name YELLOWSTONE RIVER	County LAFAYETTE
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Sample and Site Descriptors

Sample Collector (Last Name, First) JAMES F AMRHEIN, CAMILLE M BRUHN, KIMBERLY KUBER	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) 2	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) 7.4	D.O. (mg/l) 12.3	D.O. (% sat.) 106	pH (su) 8.04	Conductivity (umhos/cm) 714	Transparency (cm) 80
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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) 0.2	Average Stream Width of reach (m) 7
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%): 0 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:			
				Pasturing of Livestock			
Physical				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

For Lab Use Only		
Sample Sorter <i>Reed, Kayla</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>4.69%</i>
Date Processed <i>1-25-2022</i>	Specimens Saved <i>Subsample 138 archived in ABL until 1 Mar 2025</i>	

D2Q2 → 40 *D2Q4 →*
A1Q1 → 47 *A1Q4 →*
D2Q3 → *D2Q1 →*
A1Q3 → *A1Q2 →*
A1Q D2Q3 → 51

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Psectis flavistriga</i> species complex	L	I	1	Kuh 2016		
Hydropsychidae	L	II	3	MCB 2019	imm	N
<i>Cratopsyche</i>	L	I	1	Hils 1985	imm	N
<i>C. branta</i>	L	II	2	Schm Hils 1986		
<i>C. macrura bifida</i> form	L	I	1	"		
<i>C. glossinae</i>	L	I	1	"		
<i>C. sparna</i>	L	II	2	"		
<i>Cheumatopsyche</i>	L	III	4	MCB 2019		
<i>Hydropsyche helteni</i>	L	III	4	Schm Hils 1986		
<i>Stenonema</i>	L	I	1	MCB 2019	imm	
<i>Optiosevus</i>	L	III	9	"	imm	N
<i>O. fastidius</i> L, 20 A, 2	2A	III	22	Hils Schm 1982		
<i>Stenelmis</i>	L	I	1	MCB 2019		
<i>Cricotopus</i>	P	II	2	"	can	N
<i>C. (Cricotopus) trifascia</i> group	P	I	1	Coff et al 1986		N
<i>Eukiefferiella devonica</i> group	P	I	1	"		Y
<i>Tvetenia</i>	P	I	1	MCB 2019		N
<i>Antocha</i>	L	I	1	"		
<i>Gammarus pseudolimnoides</i>	A	II	2	Hils 1972		
Naidinae	A	III	9	Kath Brin 1998		
Tubificinae	A	I	1	"	post frag	
<i>Hemerodromia</i>	L	I	1	MCB 2019		
Split A2 Chironomidae	L	x-III	13			
<i>Cricotopus (Cricotopus) trifascia</i> group	L	III	3	And et al 2013		
<i>Eukiefferiella devonica</i> group	L	x-III	18	"		
<i>Tvetenia bavarica</i> group	L	xIII	13	Bode 1983		
<i>Thienemannella</i>	L	I	1	And et al 2013	imm	
<i>Microtenidyes pedellus</i> group	L	xII	12	"		
<i>Rheotanytarsus</i>	L	III	3	"		
<i>Conchapelonia</i>	L	I	1	"		
<i>Orthocladius</i>	L	I	1	"	mt mtd	N
<i>Cricotopus</i>	L	II	3	"		N
<i>C. (Cricotopus) bicinctus</i> group	L	I	1	"		
<i>C. (C.) tremulus</i> group	L	III	3	"		
<i>Eukiefferiella claripennis</i> group	L	I	1	"		
<i>Orthocladius (Orthocladius)</i>	L	II	3	"		

