

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name YELLOWSTONE RIVER		Waterbody ID Code 902500	Sample ID (YYYYMMDD-CY-FD) 20191007-33-02
Sampling Location 60m downstream of Gant Road			Database Key 212561924
SWIMS Station ID 333235		SWIMS Station Name YELLOWSTONE RIVER - (BRIDGE) AT GANT RD	
Latitude 42.79978	Longitude -89.97800	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name YELLOWSTONE RIVER	County LAFAYETTE

Sample and Site Descriptors	
Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAM:

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) /	Estimated Area Sampled (m ²) /	Number of Samples in Composite /	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 12.3	D.O. (mg/l) 11.17	D.O. (% sat.) 104	pH (su) 8.18	Conductivity (umhos/cm) 639	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" 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): 30 Gravel (ladybug to tennisball): 60
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 10 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			
				Runoff: - Barnyard			
				- Construction			
				- Cropland			
				- Urban			
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			
Physical							
Bank Erosion							
Channelization: - Upstream							
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Noas, Eric	Taxonomist Dumick, Jeffrey	Estimated Percent of Sample Sorted 26.7%
Date Processed 10/29/2020	Specimens Saved Subsample archived in ABZ until Nov 2023	

03A2 C1Q4 D3A3 C1Q2 D3A1 C1Q3 D3Q4 C1Q1 A1Q4 B3A1 A1Q2 B3A3 A1Q1 B3A4 A1Q3 B3A2
 8 10 5 11 10 10 5 6 3 11 7 10 11 7 5 8 = 127

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L		2	Klob 2016		
<i>B. tricaudatus</i>	L		1	"		
<i>B. flavistriga</i> species complex	L	-	8	"		
<i>Stenacra</i>	L		2	Merrillum B 2019		
<i>Ceratopsyche</i>	L		1	Hils 1995	imm	Y
<i>C. brenta</i>	L		4	Schm Hils 1986		
<i>Cheumatopsyche</i>	L	-	8	Merrillum B 2019		
<i>Hydropsyche</i>	L		1	Hils 1995	dam	N
<i>H. betteni</i>	L		4	Schm Hils 1986		
<i>Hydroptila</i>	L		1	Merrillum B 2019		
<i>Optiservus</i>	L	-	7	"	imm	N
<i>O. fastidius</i>	L	x	11	Hils Schm 1992		
<i>Stenelmis</i>	L		4	Merrillum B 2019		N
<i>S. crenata</i>	A		4	Hils Schm 1992		
<i>Nemredemia</i>	L		1	Merrillum B 2019		
<i>Simulium vittatum</i> species complex OB110217	L		4	Adl et al 2002		
<i>Ataocha</i>	L		2	Merrillum B 2019		
<i>Dicranota</i>	L		3	"		
<i>Hexatoma</i>	L		1	"		
<i>Gammarus pseudolimnoides</i>	A	-	9	Hils 1972		
Caecididae	A	-	7	Thorp Bog 2016	Imm/imm	
Dugesidae	A		1	"		
Physsa	A		4	"		
Tubificinae (without hairs)	A		4	Kath Brin 1998		
Megadrili = Metasynophora	A		2	Thorp Bog 2016		
Erpobdellidae	A		2	"	dam/imm	
Spitiz Chironomidae	L	x-				
<i>Tuctenia bavaria</i> group	L		1	Boch 1983		
<i>Cryptochironomus</i>	L		1	And et al 2013		
<i>Microtendipes pedellus</i> group	L		22	"		
Chironomidae OB25000	L		1	Merrillum B 2019	dam	N
<i>Cricotopus</i>	L		1	And et al 2013		N
<i>C. (Cricotopus) bicinctus</i> group	L		1	"		
<i>C. (C.) tremulus</i> group	L		1	"		
<i>Eukiefferiella devonica</i> group	L		3	"		
<i>Orthocladius (Orthocladius)</i>	L		1	"		
<i>Parakiefferiella</i>	L		1	"		

<3 taxa, TVAL ≤ 2.0

