

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name YELLOWSTONE RIVER		Waterbody ID Code 902500	Sample ID (YYYYMMDD-CY-FD) 20181108-33-01
Sampling Location 50 m upstream of CTH N NC-323			Database Key 170070406
SWIMS Station ID 333090		SWIMS Station Name YELLOWSTONE RIVER - CTH N (BI)	
Latitude 42.75034	Longitude 89.91890	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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) AMRHEIN, JAMES	Project Name 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

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 2	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) 6.3	D.O. (mg/l) 13.96	D.O. (% sat.) 112.9	pH (su) -	Conductivity (umhos/cm) -	Transparency (cm)
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Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)

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

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): _____ 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
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

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	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenacron	L	11	7	Klich 2016	imm	
Coenagrionidae	L	14	3	West May 2000	early imm	N
Enallagma cyathigerum	L	1	1	"		
Cheumatopsyche	L	x 11	12	Hils 1995		
Hydropsyche	L	III	4	"	imm	N
H. orris	L	11	2	Schm Hils 1986		
H. similans	L	- 1	6	"		
Neureclipsis	L	-	5	Hils 1995		
Cyphon	L	1	1	"		
Simuliidae	L	1	1	"	imm	N
Simulium vittatum species complex epilozzi	L	BB	80	Adl et al 2004		
Simulium Stegm 2 ovitts ozzi	P	0-11	27	"		n=2, Y
Gammarus pseudolimnaeus	A	1	1	Hils 1972		
Hyalella aetera	A	1	1	Sveeck et al 2015		
Trochocarsa calva	A	8-	35	Hils 1984a		
T. borealis	A	-	5	"		
Cocixidae	A	1	1	"	imm	N
Encyrtidae	A	1	1	Thorp Reg 2016		
Tubificonae (without hairs)	A	1	1	Klemm 1985		
Ablabesmyia (Ablabesmyia)	L	1	1	Cran Epl 2013	imm	
Labrundinia pilosella	L	1	1	Epler 2001		
Pentaneura inconspicua	L	III	3	Bolton 2012		
Thienemannimyia	L	x IIII	14	Cran Epl 2013		
Thienemannimyia group	L	21	6	"	imm	N
Cricotopus (Cricotopus) biematus group	L	1	1	And + 3 2013		
Nanocladius	L	1	1	"	imm	
Cryptotendipes	L	III	3	Epl et al 2013		
Micropeetra	L	1	1	"		
Polypedilum (Polypedilum) illinoense group	L	-	5	Bolton 2012		
P. (Oresipedium) flavum	L	1	1	"		
Rheotanytarsus	L	1	1	Epl et al 2013		

< 3 taxa, TVAL ≤ 2.0