

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Unnamed		Waterbody ID Code 951500	Sample ID (YYYYMMDD-CY-FD) 20191007-22-01
Sampling Location 30m downstream STH 81			Database Key 212562093
SWIMS Station ID 10052571		SWIMS Station Name UNNAMED TRIB TO PLATTE RIVER (WBIC 951500) AT STH 81	
Latitude 42.78377	Longitude -90.60751	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) GRANT - PLATTE		Watershed Name PLATTE RIVER	County GRANT

Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019
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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) 4	Estimated Area Sampled (m²) 4	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) 11.3	D.O. (mg/l) 10.64	D.O. (% sat.) 97.1	pH (su) 8.14	Conductivity (umhos/cm) 610	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)
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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): _____	Gravel (ladybug to tennisball): 90
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) 0	Canopy Cover at Sample Site (%) 0
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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 *Lots of new rock because of flooding*
NC - 243

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimrek, Jeffrey</i>	Estimated Percent of Sample Sorted <i>57%</i>
Date Processed <i>10/2/2020</i>	Specimens Saved <i>127 subsample archived in ABC until Nov 2023</i>	

8 14 9 22 9 14 13 14 16 3 5 4.5 hr
B2Q13 E1 B2Q24 E3 B1 D1 C1 E2 C2 C3Q1 C3Q4 1.0hr

[illegible]