

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name GRANT RIVER			Waterbody ID Code 956000		Sample ID (YYYYMMDD-CY-FD) 20161012-22-02	
Sampling Location 80 m downstream of Grant River Rd NC-321					Database Key 135523323	
SWIMS Station ID 10017248		SWIMS Station Name GRANT R.-GRANT RIVER RD. 25 YDS DOWNSTREAM FROM BRIDGE				
Latitude 42.77832	Longitude 90.83585	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) GRANT - PLATTE		Watershed Name MIDDLE GRANT RIVER			County GRANT	
Sample and Site Descriptors						
Sample Collector (Last Name, First) AMRHEIN, JAMES				Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2016		
Sampling Device						
☒ 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 (m ²) 1		Number of Samples in Composite 1		Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling						
☐ Least Impacted Reference ☒ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____						
Water Temp. (C) 13.7	D.O. (mg/l) 9.35	D.O. (% sat.) 90.1	pH (su) 8.2	Conductivity (umhos/cm) 610		Transparency (cm) 52
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)		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>60</u>		Gravel (ladybug to tennisball): <u>40</u>
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>0</u>				Canopy Cover at Sample Site (%) <u>0</u>		

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>Macayla Greider</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>4/19</i>	Specimens Saved <i>Subsample archived in DBL until Oct 2020</i>	

B1 72

D2 68

2 grids 140

[illegible]