

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MIDDLE RIVER	Waterbody ID Code 2858800	Sample ID (YYYYMMDD-CY-FD) 20171115-16-01
---------------------------------------	-------------------------------------	---

Sampling Location	Database Key 152607379
--------------------------	----------------------------------

SWIMS Station ID 10013123	SWIMS Station Name MIDDLE RIVER- 15 METERS UPSTREAM FROM BRIDGE ON TOWNLINE ROAD-- S1
-------------------------------------	---

Latitude 46.47431	Longitude -91.86534	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
-----------------------------	-------------------------------	--	---

Basin (WMU) LAKE SUPERIOR	Watershed Name AMNICON AND MIDDLE RIVERS	County DOUGLAS
-------------------------------------	--	--------------------------

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG P ROESLER, CHANG VANG	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017
---	---

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 4	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

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

Water Temp. (C) 0.3	D.O. (mg/l) 10.3	D.O. (%sat.) 74	pH (su)	Conductivity (umhos/cm) 47	Transparency (cm) >120
-------------------------------	----------------------------	---------------------------	----------------	--------------------------------------	----------------------------------

Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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)
--	--

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.6	Average Stream Width of reach (m) 3.5
--	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 45
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: 45 Other (): _____

Embeddedness of Substrate at Sample Site (%) NA **Canopy Cover at Sample Site (%)** 0