

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BLACK RIVER	Waterbody ID Code 2836900	Sample ID (YYYYMMDD-CY-FD) 20161006-16-01
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Sampling Location near mouth	Database Key 134667218
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SWIMS Station ID 165015	SWIMS Station Name BLACK RIVER - MOUTH
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Latitude 46.58133	Longitude -92.13788	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) LAKE SUPERIOR	Watershed Name BLACK AND UPPER NEMADJI RIVER	County DOUGLAS
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Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG P ROESLER, MADELINE E ROBERTS	Project Name BLACK RIVER TWA TALU 2016
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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) 15	Estimated Area Sampled (m²) 15	Number of Samples in Composite 4	Replicate No. 2 of 2
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Reason For Sampling

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

Water Temp. (C) 12.2	D.O. (mg/l) 9.0	D.O. (%sat.)	pH (su) 7.45	Conductivity (umhos/cm) 100	Transparency (cm) 89
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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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity 1	circle units m/s or <u>f/s</u>	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 8
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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: _____
 Aquatic Macrophytes: _____ Leaf Snags: 40% Coarse Woody Debris: 60% Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) NA Canopy Cover at Sample Site (%) 40

