

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LITTLE BLACK RIVER		Waterbody ID Code 2839900	Sample ID (YYYYMMDD-CY-FD) 20161013-16-02
Sampling Location 40m US Foxboro Chaffey Rd			Database Key 134667107
SWIMS Station ID 10010194		SWIMS Station Name LITTLE BLACK RIVER - LITTLE BLACK RIVER 27 M UPSTREAM OF FOXBORO-CH	
Latitude 46.41785	Longitude -92.17953	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 BLACK AND UPPER NEMADJI RIVER	County DOUGLAS

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) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite 4	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 7.9	D.O. (mg/l) 9.4	D.O. (%sat.)	pH (su) 7.1	Conductivity (umhos/cm) 67	Transparency (cm) 7120
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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 1.2	circle units m/s or <u>(f/s)</u>	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 70
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 25 Canopy Cover at Sample Site (%) 20

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

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter 11/22/16 Andy Kohlmann	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 11/22/16	Specimens Saved Subsample archived in ABC until Feb 2020	

03-380
 C3-385
 still in progress