

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name EAST BRANCH HAY CREEK			Waterbody ID Code 2669800		Sample ID (YYYYMMDD-CY-FD) 20181101-15-05	
Sampling Location 50m vs Moose Rd					Database Key 168634594	
SWIMS Station ID 10051148		SWIMS Station Name EAST BRANCH HAY CREEK AT MOOSE RD				
Latitude 46.28822	Longitude 92.28781	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS <del>WGS84</del> or NAD83	
Basin (WMU) ST. CROIX		Watershed Name UPPER TAMARACK RIVER			County DOUGLAS	
Sample and Site Descriptors						
Sample Collector (Last Name, First) CRAIG ROESLER				Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2018		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) 1		Estimated Area Sampled (m <sup>2</sup> ) 1.5		Number of Samples in Composite 3-20s k.2ks		Replicate No. 1 of 1
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____						
Water Temp. (C) 5.0	D.O. (mg/l) 4.77	D.O. (% sat.) 96.6	pH (su) 7.58	Conductivity (umhos/cm) 25.6		Transparency (cm) 7120
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)		
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): 10		Gravel (ladybug to tennisball): 70
Sand: 20		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other ( ): _____
Embeddedness of Substrate at Sample Site (%) 20				Canopy Cover at Sample Site (%) _____		

**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
<b>Biological</b>			<b>Chemical</b>		
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:			<b>Sources of Stream Impacts</b>		
			Bank Erosion		
			Point Source - Specify:		
<b>Physical</b>			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 <i>-5 FNU</i>			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>9/4/19</i>	Specimens Saved <i>127</i>	

A2= 127

*subsample archived in ABC until NOV 2022*

