

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name NORTH FORK THUNDER RIVER	Waterbody ID Code 535600	Sample ID (YYYYMMDD-CY-FD) 20171005-38-02
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Sampling Location 30 m up Thunder MTN Rd	Database Key 149418053
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SWIMS Station ID 10030422	SWIMS Station Name N FORK THUNDER RIVER US OF THUNDER MOUNTIAN RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) GREEN BAY	Watershed Name MIDDLE PESHTIGO AND THUNDER RIVERS	County MARINETTE
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name NER LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) 3	Estimated Area Sampled (m²) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 9.75	D.O. (mg/l) 11.78	D.O. (%sat.) 105.1	pH (su) 7.96	Conductivity (umhos/cm) 242	Transparency (cm) 7/22
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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 circle units m/s or f/s	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 9.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): 50
 Rubble (tennisball to basketball): 20
 Gravel (ladybug to tennisball): 10
 Sand: 20
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: _____
 Coarse Woody Debris: _____
 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50
Canopy Cover at Sample Site (%) 60

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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	✓	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	N
Physical			Point Source - Specify:	N	N
Bank Erosion	N	N	Pasturing of Livestock	N	N
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	N
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	N	- Cropland	N	N
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	N	N
Sedimentation	N	N	- Mineral Soils	N	N
Sludge	N	N	Springs	✓	✓
Thermal	N	N	Tributary(s)	N	N
Turbidity	N	N	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: <i>Sam Lamarche</i>	Taxonomist: <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted: <i>70%</i>
Date Processed: <i>10/24/18</i>	Specimens Saved: <i>subsample archived in ABL until Jan 2022</i>	

2C

~~228 specs~~ so far in 1 sub sample

not complete

333 specs