

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name HUNGRY RUN	Waterbody ID Code 2403300	Sample ID (YYYYMMDD-CY-FD) 20171012-02-03
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Sampling Location downstream of culvert ≈ 20 m	Database Key 149272314
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SWIMS Station ID 10048868	SWIMS Station Name HUNGRY RUN CREEK 105M DS OF FR 166
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Latitude 46.07032	Longitude -90.74047	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) UPPER CHIPPEWA	Watershed Name EAST FORK CHIPPEWA RIVER	County ASHLAND
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Sample and Site Descriptors

Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017
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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) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3-20 second kicks	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Nat Common Stratified

Water Temp. (C) 8.9	D.O. (mg/l) 8.6	D.O. (%sat.) 73.8	pH (su) 6.1	Conductivity (umhos/cm) 40.4	Transparency (cm) >120
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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 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 0.3	Average Stream Depth of reach (m) 0.25 m	Average Stream Width of reach (m) 1.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): _____
 Rubble (tennisball to basketball): 20
 Gravel (ladybug to tennisball): 50
 Sand: 20
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: 5%
 Leaf Snags: 5%
 Coarse Woody Debris: _____
 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20%
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:					
					Pasturing of Livestock					
Physical					Runoff: - Barnyard					
Bank Erosion					- Construction					
Channelization: - Upstream					- Cropland					
- Downstream					- Urban					
Hydraulic Scour / Channel Incision					Septic Systems					
Impoundment: - Upstream					Tile Drainage - Organic Soils					
- Downstream					- Mineral Soils					
Low Flow					Springs			U	PL	
Sedimentation					Tributary(s)				PL	
Sludge					Wetland			PL	PL	
Thermal					Other - Specify:					
Turbidity										
Other - Specify:										

Comments *Beaver impacts*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Jesse Oberg</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>9/19/18</i>	Specimens Saved <i>Subsample archived in ABL until Dec 2021</i>	

D1 X99 X 6
D3 59 2.3
A1
E2
158 total
8.2 hr