

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name DRYDEN CREEK	Waterbody ID Code 2406200	Sample ID (YYYYMMDD-CY-FD) 20191017-02-02
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Sampling Location @Morse Line Rd. upstream ~ 60m	Database Key 210286547
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SWIMS Station ID 10042964	SWIMS Station Name DRYDEN CREEK AT MORSE LINE RD
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Latitude 46.18084	Longitude -90.59288	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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 2019
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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) 1.5 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: _____

Water Temp. (C) 6.2	D.O. (mg/l) 8.1	D.O. (% sat.) 65.3	pH (su) 6.0	Conductivity (umhos/cm) 34	Transparency (cm)
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Water Color ☐ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5 m	Average Stream Width of reach (m) 6 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): _____
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Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 10
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Aquatic Macrophytes: _____	Leaf Snags: 40	Coarse Woody Debris: 50	Other (): _____
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Embeddedness of Substrate at Sample Site (%) NA	Canopy Cover at Sample Site (%) 0
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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	U	U	- Construction		
- Downstream	PL	U	- 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	N	U
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Beaver impacts / dams upstream and downstream.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Naco, Eric</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>23%</i>
Date Processed <i>10-9-20</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2023</i>	
DIQ4 BIQ1 DIQ1 BIQ2 DIQ3 BIQ4 DIQ4 BIQ3 A3Q3 D3Q1 A3Q4 D3Q2 A3Q2 D3Q4 8 11 14 9 10 9 5 12 10 9 10 8 7 15 = 137		

Taxonomist: Dimick, Jeffrey

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