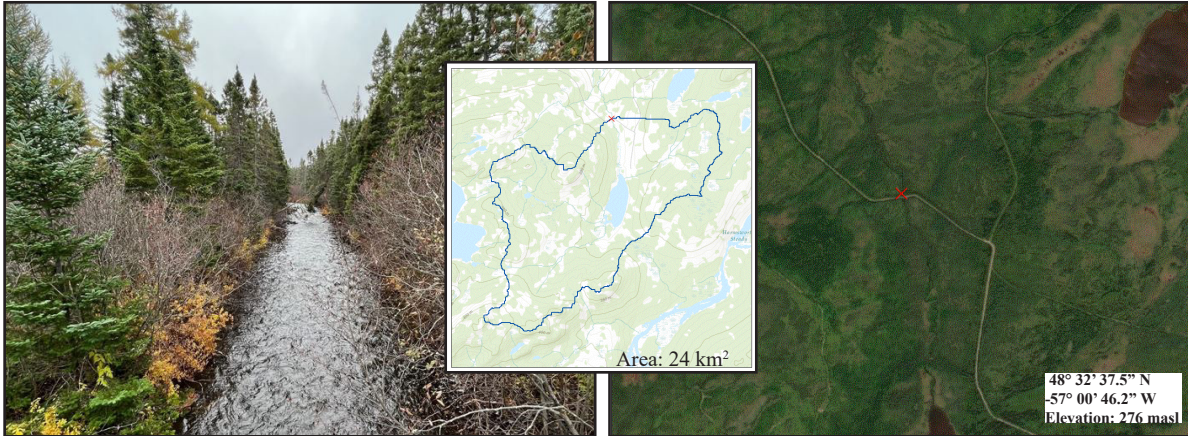


Roebucks Brook

NF02YN0049

CENTRAL



Site Description

Site Code	NF02YN0049
Name	Roebucks Brook
Date Sampled	September 19, 2022
Ecoregion(s)	Boreal Shield
Stream Order	3
Basin	Exploits River
Sampled By	NL
Accessibility	30m upstream from bridge. Accessed along east side of brook.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
	X		X (D)
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		0.5-1 mm thick	

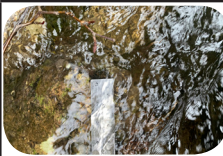
Channel Data

Bankful Width	7.1 m
Wetted Width	7.1 m
Avg. Velocity	1.11 m/s
Max. Velocity	1.42 m/s
Avg. Channel Depth	31 cm
Max. Channel Depth	40 cm
Bankfull-Wetted Depth	0 cm
Slope	0.002 m/m

Water Chemistry

Parameter	Value	Units
pH	6.34	pH units
Specific Conductivity	33.8	µS/cm
Dissolved Oxygen	10.11	mg/L
Temperature	11.611	°C
Turbidity	2.28	NTU
Copper	0.99	µg/L
Iron	278	µg/L
Lead	0.12	µg/L
Zinc	0.15	µg/L
Chloride	4.4	mg/L
Phosphorous (Total)	0.009	mg/L
Nitrate	0.02	mg/L
Nickel	0.323	µg/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	unembedded
Median Particle Size	11.25
Geometric Mean Particle Size	10.4
Photo of Substrate	
<small>Substrate Size Class Categories: Organic cover; Sand/silt/clay (< 0.1 cm); Coarse sand (0.1 - 0.2 cm); Gravel (0.2 - 1.6 cm); Small pebble (1.6 - 3.2 cm); Large pebble (3.2 - 6.4 cm); Small cobble (6.4 - 12.8 cm); Large cobble (12.8 - 25.6 cm); Boulder (> 25.6 cm); Bedrock.</small>	