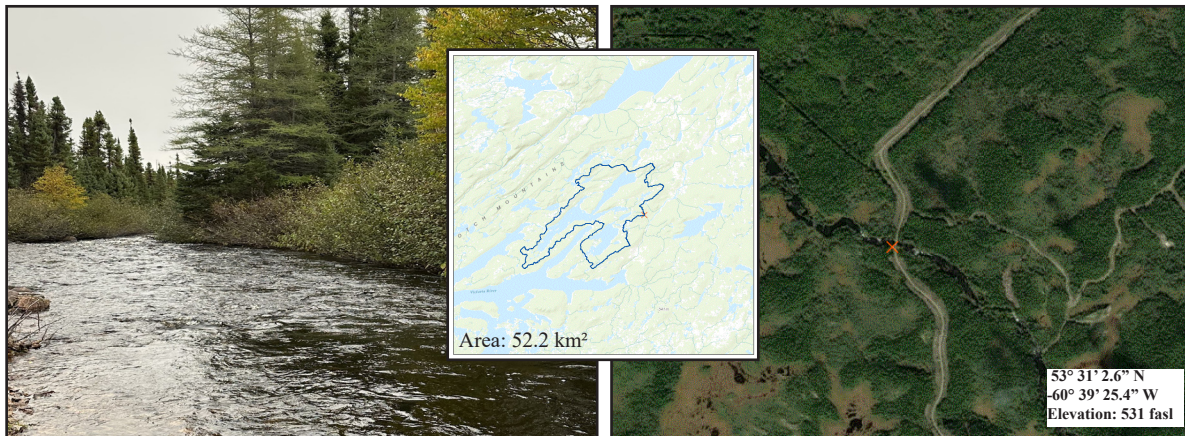


Tributary from Switchback Lake

NF03PB0038

LABRADOR



Site Description

Site Code	NF03PB0038
Name	Tributary from Switchback Lake
Date Sampled	Sep. 26, 2023
Ecoregion(s)	High Boreal Forest (Lake Melville)
Stream Order	4
Basin	Cape Caribou
Sampled By	NL
Accessibility	River is 24km in Grand Lake Road access road. Sampled downstream from bridge.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X	X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		1-5 mm thick	

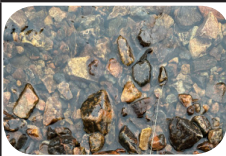
Channel Data

Bankful Width	13.5 m
Wetted Width	13.3 m
Avg. Velocity	0.59 m/s
Max. Velocity	0.73 m/s
Avg. Channel Depth	18.1 cm
Max. Channel Depth	21 cm
Bankfull-Wetted Depth	8 cm
Slope	0.007 m/m

Water Chemistry

Parameter	Value	Units
pH	5.44	pH units
Specific Conductivity	16.9	uS/cm
Dissolved Oxygen	10.55	mg/L
Temperature	10.471	°C
Turbidity	0.36	NTU
Copper	0.52	µg/L
Iron	370	µg/L
Lead	0.06	µg/L
Zinc	0.52	µg/L
Chloride	0.3	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	0.03	mg/L
Nickel	0.275	ug/L

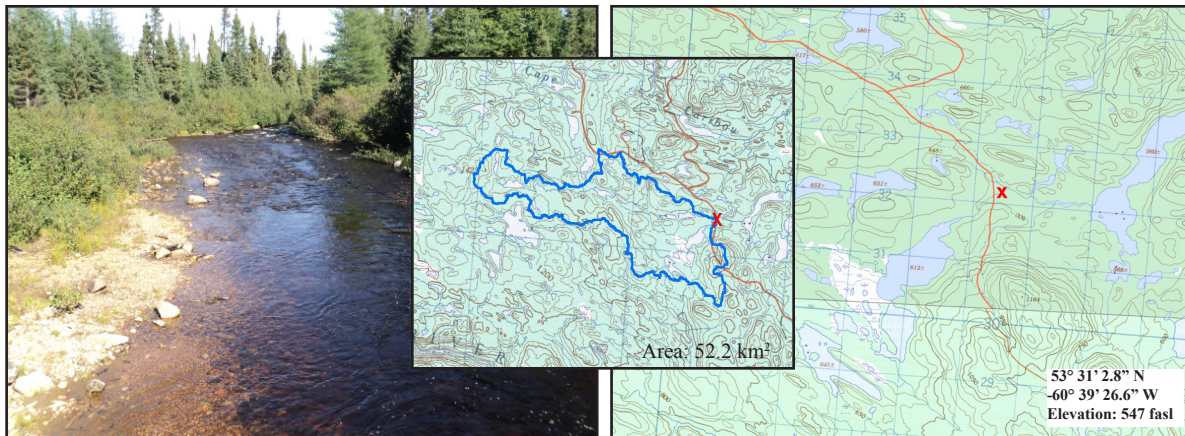
Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	small pebble
Embeddedness	1/4
Median Particle Size	8 cm
Geometric Mean Particle Size	8.1 cm
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>	

Tributary from Switchback Lake

NF03PB0038

LABRADOR



Site Description

Site Code	NF03PB0038
Name	Tributary to Switchback Lake
Date Sampled	Sept. 9, 2010
Ecoregion(s)	Lake Melville
Stream Order	4
Basin	Cape Caribou River
Sampled By	NL
Accessibility	Sampled 30m downstream of bridge, 24km in on Grand Lake access road.

Reach Data

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


Channel Data

Bankful Width	15.5 m
Wetted Width	13.7 m
Avg. Velocity	0.73 m/s
Max. Velocity	1.00 m/s
Avg. Channel Depth	24 cm
Max. Channel Depth	36 cm
Bankfull-Wetted Depth	55 cm
Slope	0.026 m/m

Water Chemistry

Parameter	Value	Units
pH	6.56	pH units
Conductivity	14.5	uS/cm
Dissolved Oxygen	9.75	mg/L
Temperature	13.8	°C
Turbidity	0.7	NTU
Copper	0.33	ug/L
Iron	0.20	mg/L
Lead	0.05	ug/L
Zinc	0.3	ug/L
Chloride	0.25	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.83	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	unembedded
Median Particle Size	7.0 cm
Geometric Mean Particle Size	7.3 cm
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>	