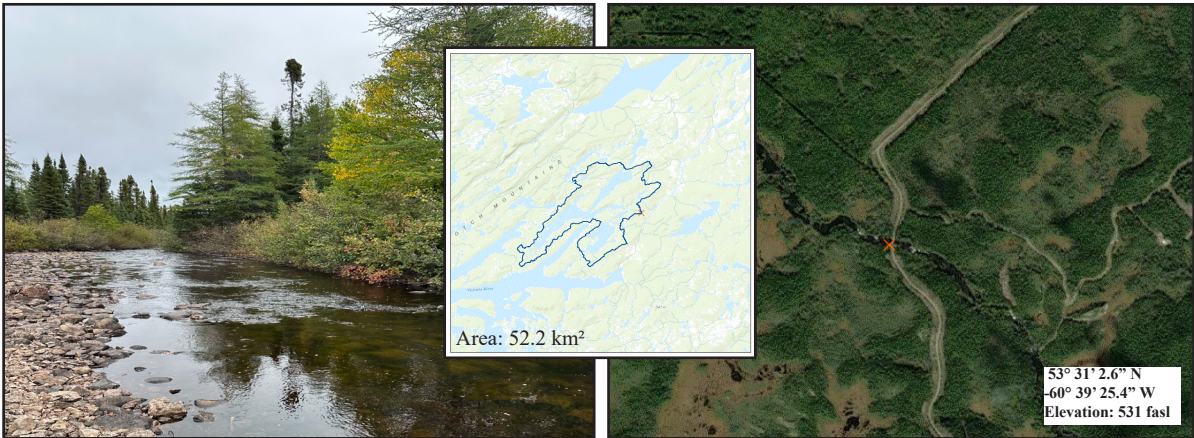




Site Description

Site Code	NF03PB0038
Name	Tributary from Switchback Lake
Date Sampled	Sep. 23, 2024
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
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	

Channel Data

Bankful Width	11.4 m
Wetted Width	7.4 m
Avg. Velocity	0.193 m/s
Max. Velocity	0.44 m/s
Avg. Channel Depth	21.3 cm
Max. Channel Depth	35 cm
Bankfull-Wetted Depth	25 cm
Slope	0.034 m/m

Water Chemistry

Parameter	Value	Units
pH	6.38	pH units
Specific Conductivity	19.3	uS/cm
Dissolved Oxygen	11.15	mg/L
Temperature	12.34	°C
Turbidity	0.2	NTU
Copper	0.44	µg/L
Iron	228	µg/L
Lead	0.04	µg/L
Zinc	0.42	µg/L
Chloride	0.3	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	0.03	mg/L
Nickel	0.2385	µg/L

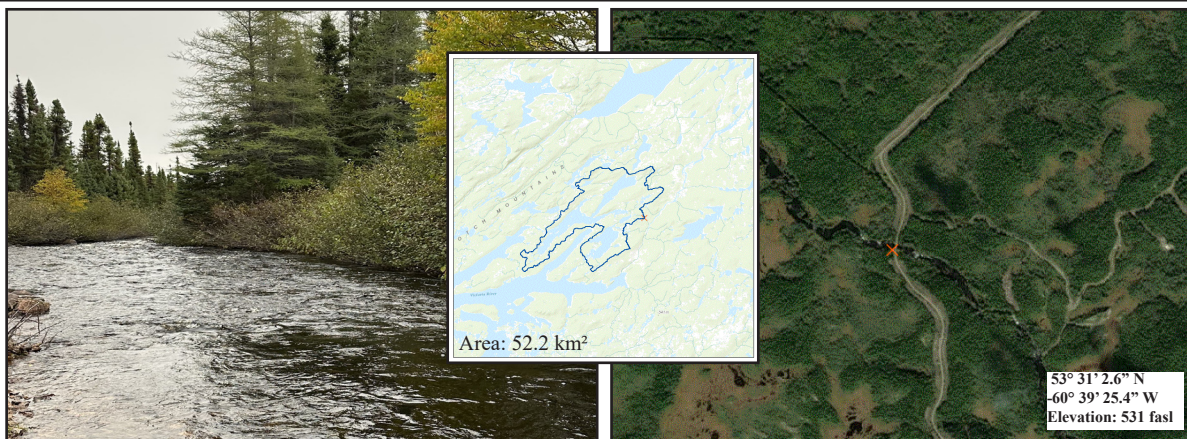
Substrate

Dominant Substrate	cobble
2nd Dominant Substrate	small cobble
Surrounding Material	gravel
Embeddedness	1/4
Median Particle Size	11 cm
Geometric Mean Particle Size	10.6 cm
Photo of Substrate	
<i>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.</i>	

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.

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

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	
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.	

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	

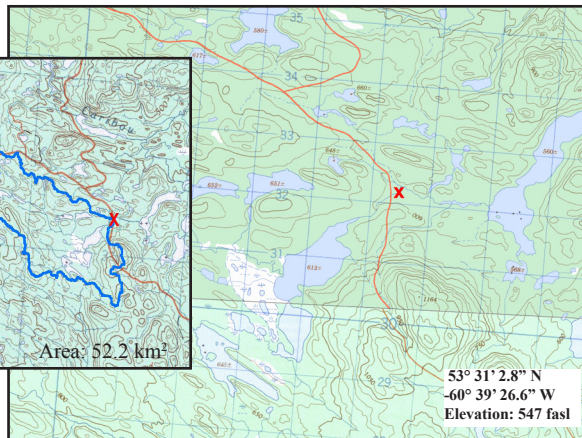
Water Chemistry

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

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

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	
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.	

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