

Back River above Back River Pond

NF02ZN0010

EASTERN



Site Description

Site Code	NF02ZN0010
Name	Back River above Back River Pond
Date Sampled	October 7, 2024
Ecoregion(s)	Avalon Forest
Stream Order	3
Basin	Salmonier River
Sampled By	NL
Accessibility	100m downstream of access road bridge on Dawes Pond Rd.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		26-50 %	
Periphyton Coverage		0.5-1 mm thick	

Channel Data

Bankful Width	9.21 m
Wetted Width	8.52 m
Avg. Velocity	0.31 m/s
Max. Velocity	0.68 m/s
Avg. Channel Depth	10 cm
Max. Channel Depth	17 cm
Bankfull-Wetted Depth	30 cm

Water Chemistry

Parameter	Value	Units
pH	6.55	pH units
Specific Conductivity	36.7	µS/cm
Dissolved Oxygen	10.99	mg/L
Temperature	11.55	°C
Turbidity	0.33	NTU
Copper	0.18	µg/L
Iron	215	µg/L
Lead	0.03	µg/L
Zinc	0.26	µg/L
Chloride	5.2	mg/L
Phosphorous (Total)	0.004	mg/L
Nitrate	0.03	mg/L
Nickel	0.108	µg/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	gravel
Embeddedness	1/4
Median Particle Size	7.5
Geometric Mean Particle Size	7
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.	