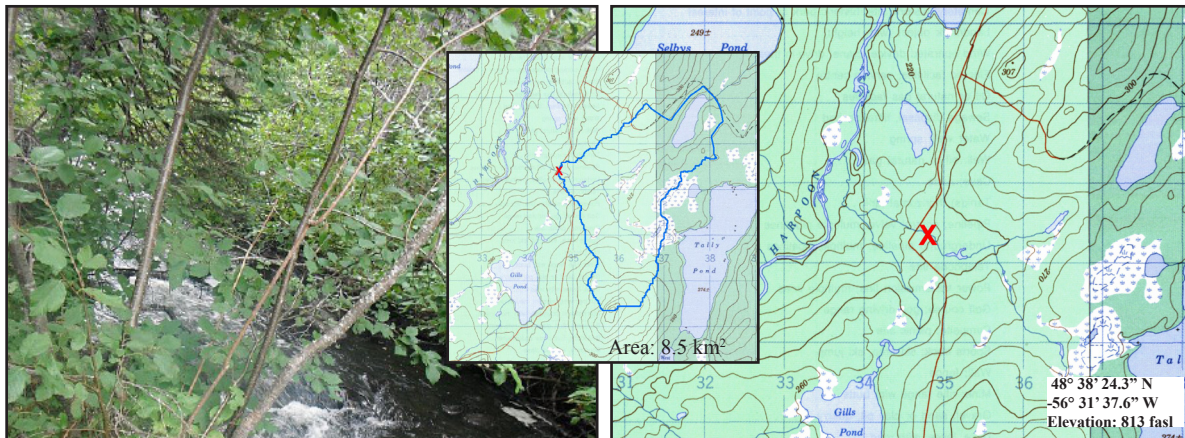


Tributary to Gills Pond Brook

NF02YO0190

CENTRAL



Site Description

Site Code	NF02YO0190
Name	Tributary to Gills Pond Brook
Date Sampled	Sept 14, 2011
Ecoregion(s)	Central Newfoundland
Stream Order	2
Basin	Notre Dame Bay - Exploits
Sampled By	NL/EC
Accessibility	Sampled at real-time station upstream of probe as access below is difficult.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X			
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X	X	X (D)
Canopy Coverage		76-100 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		5-20 mm thick	


Channel Data

Bankful Width	6 m
Wetted Width	4 m
Avg. Velocity	0.28 m/s
Max. Velocity	0.49 m/s
Avg. Channel Depth	22.67 cm
Max. Channel Depth	30.00 cm
Bankfull-Wetted Depth	95 cm
Slope	0.05 m/m

Water Chemistry

Parameter	Value	Units
pH	7.12	pH units
Conductivity	1152	uS/cm
Dissolved Oxygen	9.66	mg/L
Temperature	15.27	°C
Turbidity	1.1	NTU
Copper	159.3	ug/L
Iron	0.2	mg/L
Lead	35.78	ug/L
Zinc	176.2	ug/L
Chloride	8.26	mg/L
Phosphorous (Total)	0.231	mg/L
Nitrate	0.95	mg/L
Nickel	4.05	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	10.0 cm
Geometric Mean Particle Size	10.4 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>	