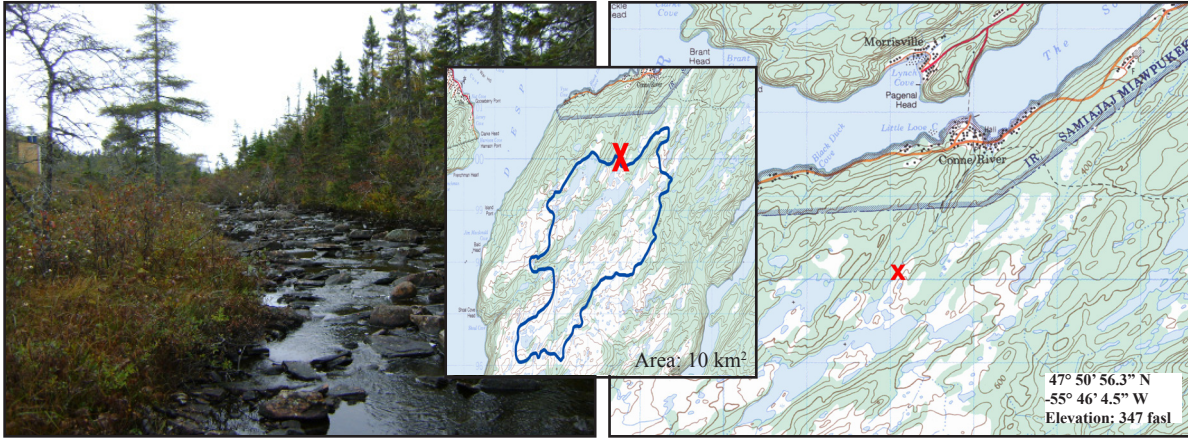


# Southwest Brook below Southwest Pond

NF02ZE0033

CENTRAL



## Site Description

<b>Site Code</b>	NF02ZE0033
<b>Name</b>	Southwest Brook
<b>Date Sampled</b>	Oct. 8, 2008
<b>Ecoregion(s)</b>	Maritime Barrens
<b>Stream Order</b>	4
<b>Basin</b>	Southwest Brook
<b>Sampled By</b>	NL
<b>Accessibility</b>	Sampled upstream from water treatment plant at Conne River, 20 m downstream of Real-Time hut.

## 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)
<b>Canopy Coverage</b>		1-25 %	
<b>Macrophyte Coverage</b>		0 %	
<b>Periphyton Coverage</b>		>20 mm thick	


## Channel Data

<b>Bankful Width</b>	4.35 m
<b>Wetted Width</b>	2.36 m
<b>Avg. Velocity</b>	0.04 m/s
<b>Max. Velocity</b>	0.08 m/s
<b>Avg. Channel Depth</b>	20.2 cm
<b>Max. Channel Depth</b>	32.0 cm
<b>Bankfull-Wetted Depth</b>	30 cm
<b>Slope</b>	n/a

## Water Chemistry

Parameter	Value	Units
pH	5.29	pH units
Conductivity	14.9	uS/cm
Dissolved Oxygen	12.23	mg/L
Temperature	8.08	°C
Turbidity	0.6	NTU
Copper	0.3	ug/L
Iron	0.24	mg/L
Lead	0.1	ug/L
Zinc	1.2	ug/L
Chloride	2.5	mg/L
Phosphorous (Total)	0.004	mg/L
Nitrate	<0.02	mg/L
Nickel	0.7	ug/L

## Substrate

<b>Dominant Substrate</b>	large cobble
<b>2nd Dominant Substrate</b>	boulder
<b>Surrounding Material</b>	large pebble
<b>Embeddedness</b>	n/a
<b>Median Particle Size</b>	28.75 cm
<b>Geometric Mean Particle Size</b>	17.70 cm
<b>Photo of Substrate</b>	
<small>Substrate Size Class Categories: Organic cover; Sand/silt/clay (&lt; 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 (&gt; 25.6 cm); Bedrock.</small>	