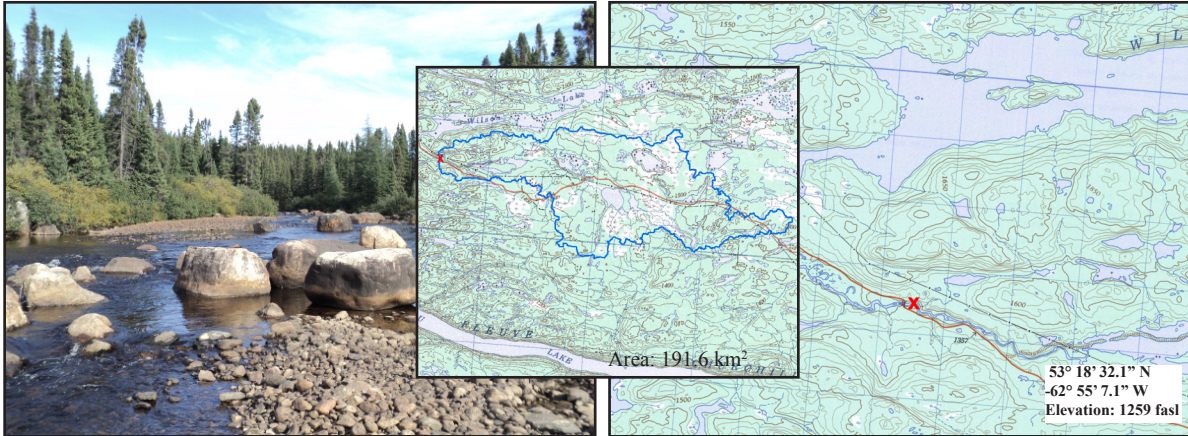


# Wilson River East Branch

NF03OD0012

LABRADOR



## Site Description

<b>Site Code</b>	NF03OD0012
<b>Name</b>	Wilson River East Branch
<b>Date Sampled</b>	Sept. 8, 2010
<b>Ecoregion(s)</b>	Harp Lake/Lake Melville/Nipishish Lake
<b>Stream Order</b>	4
<b>Basin</b>	Churchill River
<b>Sampled By</b>	NL
<b>Accessibility</b>	Sampled 30m upstream of bridge at Route 500, 75km east of Churchill Falls.

## 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
<b>Canopy Coverage</b>		0 %	
<b>Macrophyte Coverage</b>		0 %	
<b>Periphyton Coverage</b>		0.5-1 mm thick	


## Channel Data

<b>Bankful Width</b>	22.3 m
<b>Wetted Width</b>	17.9 m
<b>Avg. Velocity</b>	0.59 m/s
<b>Max. Velocity</b>	0.74 m/s
<b>Avg. Channel Depth</b>	29.1 cm
<b>Max. Channel Depth</b>	38.0 cm
<b>Bankfull-Wetted Depth</b>	50 cm
<b>Slope</b>	0.07 m/m

## Water Chemistry

Parameter	Value	Units
pH	6.6	pH units
Conductivity	11.1	uS/cm
Dissolved Oxygen	9.61	mg/L
Temperature	15.17	°C
Turbidity	1.0	NTU
Copper	0.31	ug/L
Iron	0.24	mg/L
Lead	0.09	ug/L
Zinc	0.8	ug/L
Chloride	0.24	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	1.31	ug/L

## Substrate

<b>Dominant Substrate</b>	small cobble
<b>2nd Dominant Substrate</b>	large pebble
<b>Surrounding Material</b>	large pebble
<b>Embeddedness</b>	1/4 embedded
<b>Median Particle Size</b>	7.9 cm
<b>Geometric Mean Particle Size</b>	7.9 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>	