



Site Description

Site Code	NF03OE0056
Name	Tributary to Cache River
Date Sampled	Aug. 28, 2012
Ecoregion(s)	Nipishish Lake
Stream Order	3
Basin	Churchill River
Sampled By	NL
Accessibility	Sampled 10m downstream of culverted crossing Route 500, east of Cache River

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X			
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
	X (D)		X
Canopy Coverage		76-100 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	

Channel Data

Bankful Width	5.52 m
Wetted Width	4.52 m
Avg. Velocity	0.28 m/s
Max. Velocity	0.67 m/s
Avg. Channel Depth	14.33 cm
Max. Channel Depth	17.00 cm
Bankfull-Wetted Depth	100 cm
Slope	0.098 m/m

Water Chemistry

Parameter	Value	Units
pH	5.95	pH units
Conductivity	7.8	uS/cm
Dissolved Oxygen	8.61	mg/L
Temperature	19.03	°C
Turbidity	0	NTU
Copper	0.23	ug/L
Iron	0.42	mg/L
Lead	0.08	ug/L
Zinc	0.94	ug/L
Chloride	0.16	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	1.5	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	coarse sand
Embeddedness	unembedded
Median Particle Size	4.75 cm
Geometric Mean Particle Size	4.40 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.