

# SxC-

solid bedrock, siliceous-calcareous rocks, pure

## General parameters

Area	0.3 km2
Percentage on total forest mapped area	0.01 %

## Physics - mean values of all considered profiles (3)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	30 ± 25	50 ± 22
15-30	40 ± 40	
30-60	95 ± 0	
60-100	±	

## Chemistry - stock of available profiles (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
107.09	5.82	5584.64	88.06	102.86	1216.18

All stock values, 0-80 cm including humus layers (F,H), are short term available, except for phosphorus, which has long term availability

## Chemistry - mean values of all considered profiles (1)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	129.76	98.49	0.96	0.37	6.66	18	5.69
5-10	91.49	99.42	0.96	0.19	3.18	16.74	6.4
10-20	75	99.27	0.97	0.15	2.44	16.27	6.25
20-40	66.42	99.91	0.97	0.08	1.4	17.5	7.06
40-80	61.27	99.94	0.97	0.08	1.24	15.5	7.22

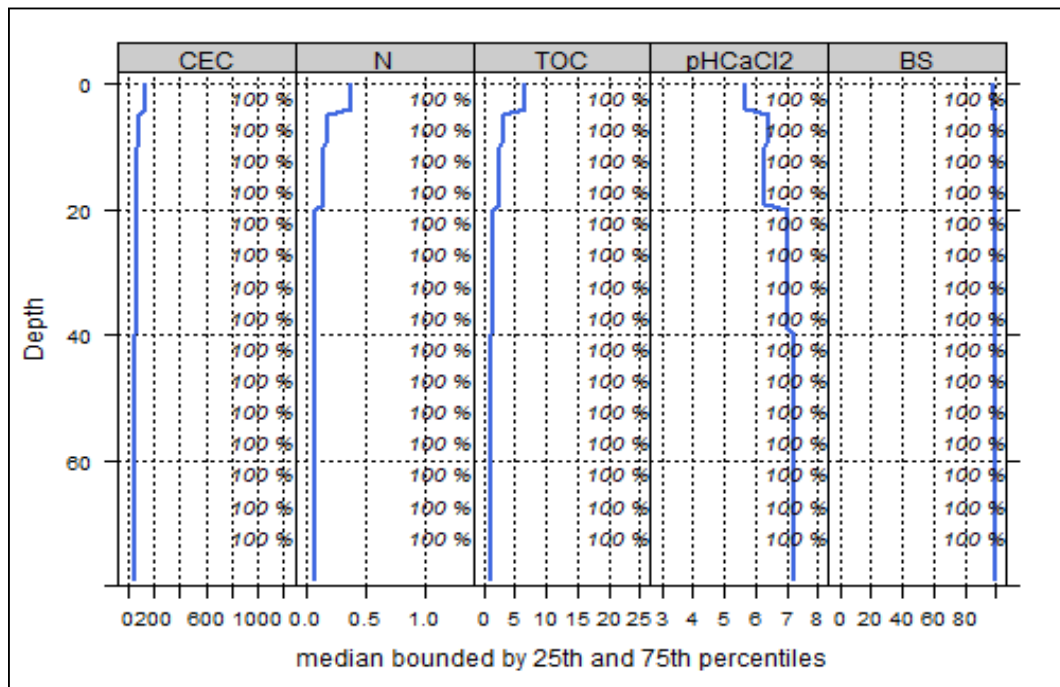
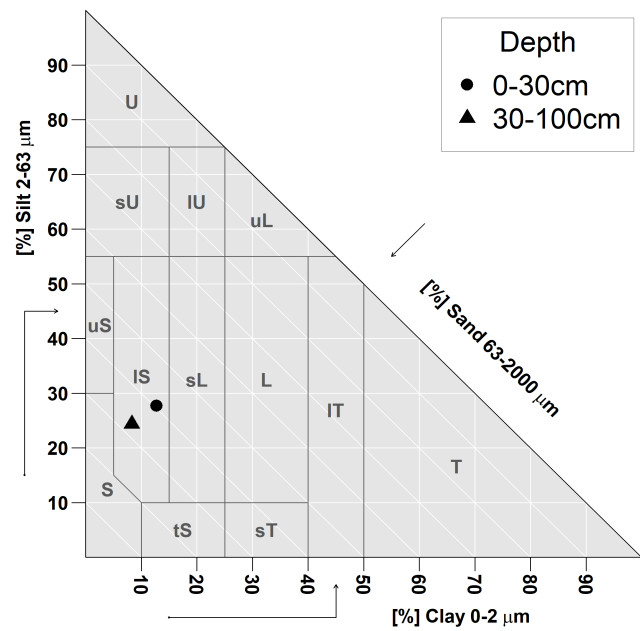


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation at each depth step.

## Biomass use

Effects of whole-tree harvesting



Minor negative effects

## Compaction risk

Effects of the transit of heavy-duty machinery



Minor negative effects