

# FeI-

Solid rock, intermediate siliceous rocks, poor in clay minerals

## General parameters

Area	253.88 km <sup>2</sup>
Percentage on total forest mapped area	5.22 %

## Physics - mean values of all considered profiles (9)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m <sup>2</sup> ]
0-15	40 ± 20	67 ± 45
15-30	50 ± 20	
30-60	75 ± 25	
60-100	60 ± 15	

## Chemistry - stock of available profiles (3)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
73.25	4.25	526.91	151.48	163.55	1524.83

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 (21)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	138.27	50.6	0.48	0.38	8.24	21.68	3.89
5-10	133.07	49.19	0.47	0.35	7.68	21.94	3.91
10-20	75.49	42.09	0.4	0.18	3.48	19.33	4.19
20-40	49.66	47.69	0.43	0.12	2.33	19.42	4.46
40-80	28.81	50.73	0.43	0.07	1.38	19.71	4.59

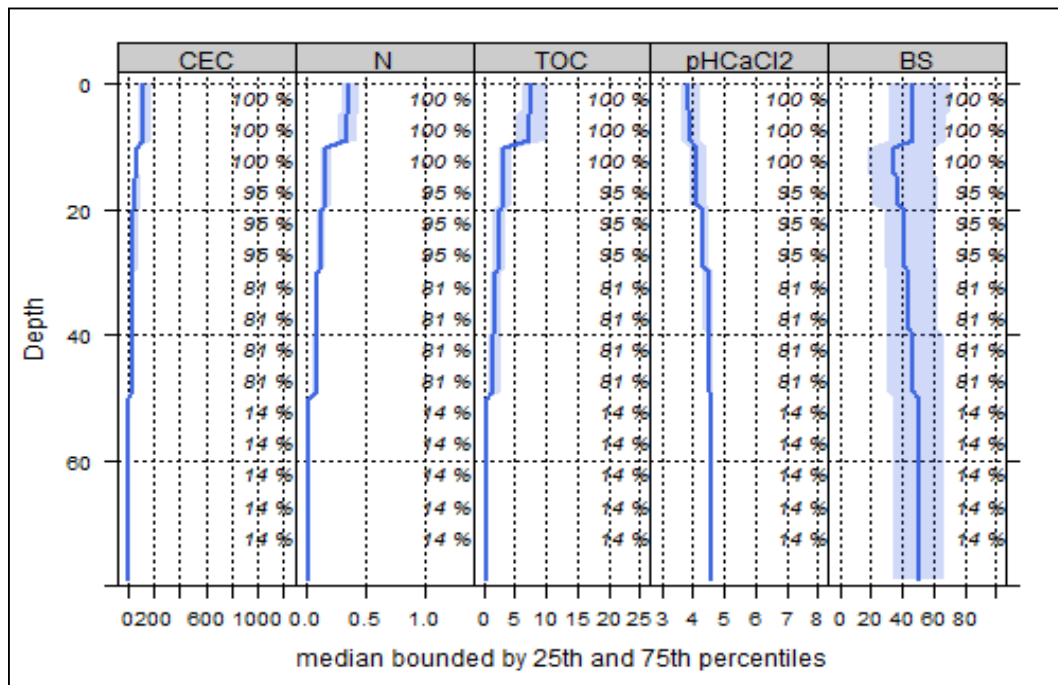
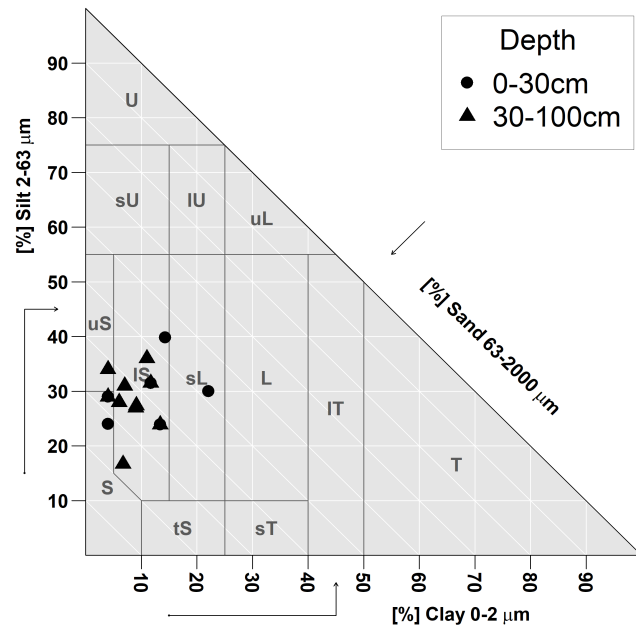


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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

## Biomass use

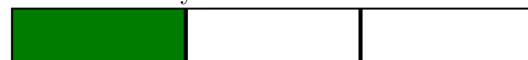
Effects of whole tree harvesting



Intermediate negative effects

## Compaction risk

Effects of heavy machines transit on the soil



Minor negative effects