

# FeK-

Solid rock, calcite, poor in clay minerals

## General parameters

Area	181.69 km <sup>2</sup>
Percentage on total forest mapped area	3.74 %

## Physics - mean values of all considered profiles (46)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m <sup>2</sup> ]
0-15	45 ± 35	37 ± 28
15-30	65 ± 30	
30-60	75 ± 20	
60-100	90 ± 5	

## Chemistry - stock of available profiles (3)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
66.47	3.55	7045	1183.3	427.69	174.54

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 (16)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	819.65	98.53	0.98	1.08	21.11	19.55	6.23
5-10	812.79	98.53	0.98	1.06	18.84	17.77	6.24
10-20	736.38	98.84	0.99	0.78	14.73	18.88	6.61
20-40	466.39	99.9	1	0.41	6.77	16.51	6.95
40-80	257.31	99.98	0.99	0.34	6.03	17.74	7.17

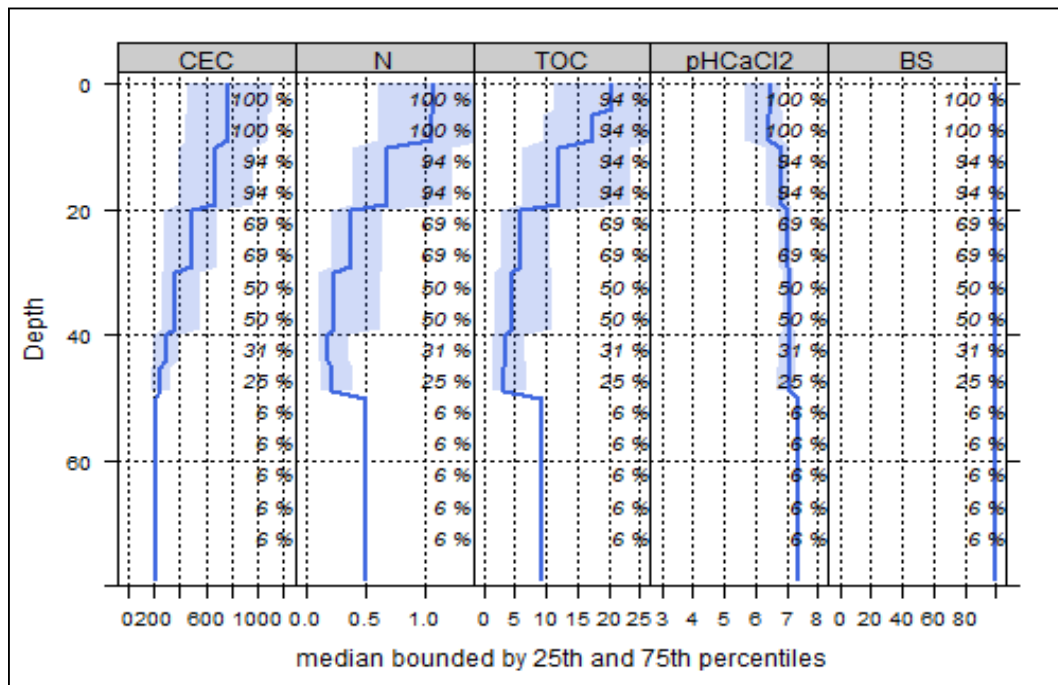
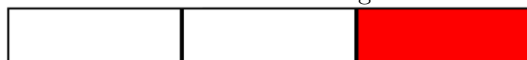


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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

## Biomass use

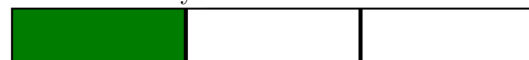
Effects of whole tree harvesting



Strong negative effects

## Compaction risk

Effects of heavy machines transit on the soil



Minor negative effects