

# FeI-

Solid rock, siliceous-intermediate, clay poor

## 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 (2)

Ctot	Ntot	Ca	Mg	K	P
t/ha	kg/ha	kg/ha	kg/ha	kg/ha	kg/ha
61.42	2.79	348.36	128.72	158.33	442.75

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 (19)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	Ca/BC	Mg/BC	Ntot [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-10	133.13	52.5	0.72	0.22	0.37	8.16	22.05	3.92
10-20	77.93	43.39	0.65	0.25	0.19	3.65	19.21	4.2
20-40	53.87	49	0.61	0.27	0.12	2.51	20.92	4.45
40-80	33.31	51.1	0.5	0.28	0.07	1.61	23	4.58

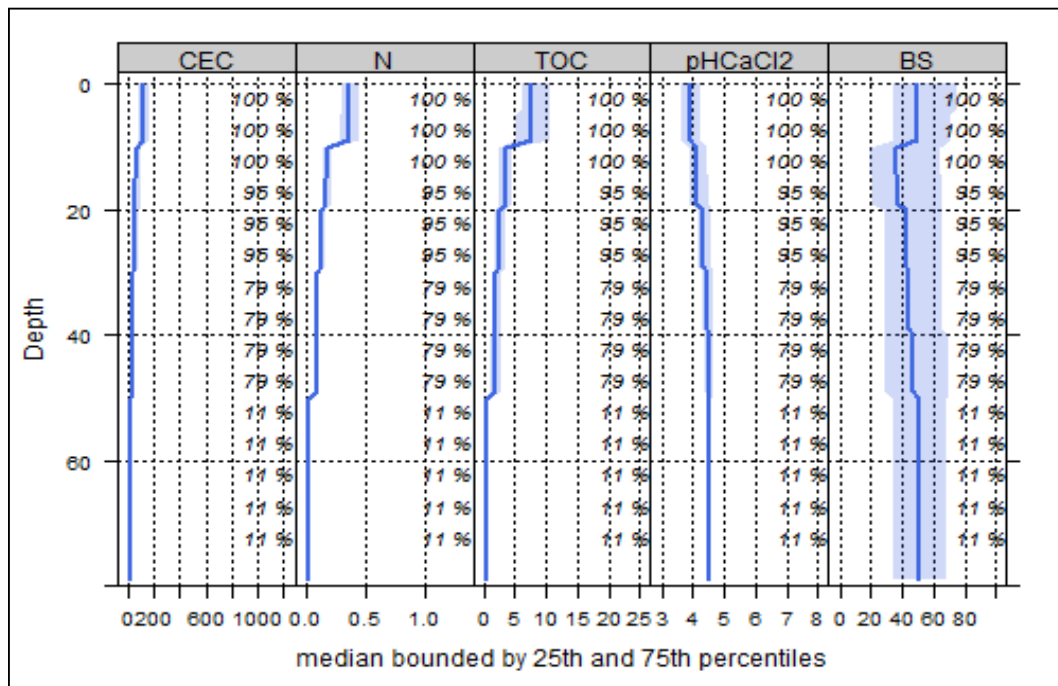
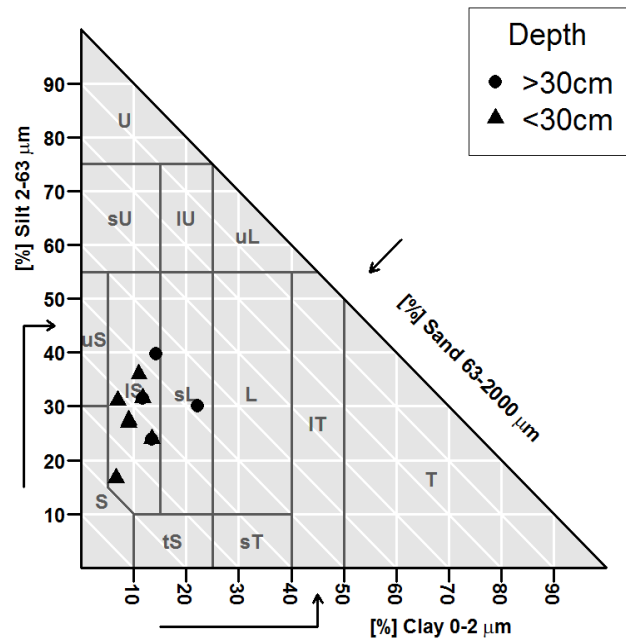


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%)

## Biomass use

Effects of whole three harvesting



Intermediate negative effects

## Compaction risk

Effects of heavy machines transit on the soil



Occasionally critical