

# FeM0

Solid rock, siliceous carbonate-poor, intermediate

## General parameters

Area	51.13 km2
Percentage on total forest mapped area	1.05 %

## Physics - mean values of all considered profiles (49)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	25 ± 25	84 ± 54
15-30	40 ± 30	
30-60	50 ± 35	
60-100	45 ± 30	

## Chemistry - stock of available profiles (2)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
130.36	6.59	5068.66	166.86	156.96	1064.35

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 (6)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	226.89	94.26	0.93	0.38	6.52	17.16	5.18
5-10	210.33	94.97	0.93	0.32	5.42	16.94	5.28
10-20	145.03	93.75	0.92	0.18	2.43	13.5	5.55
20-40	122.54	88.91	0.87	0.13	1.99	15.31	6.08
40-80	75.46	98.79	0.95	0.1	2.21	22.1	7.03

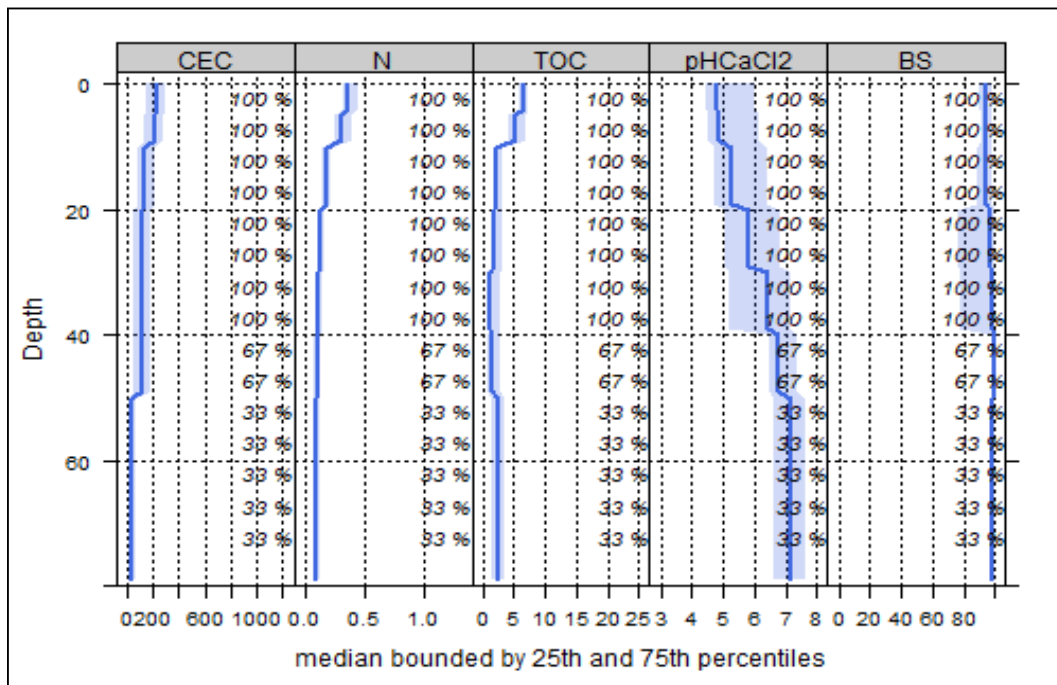
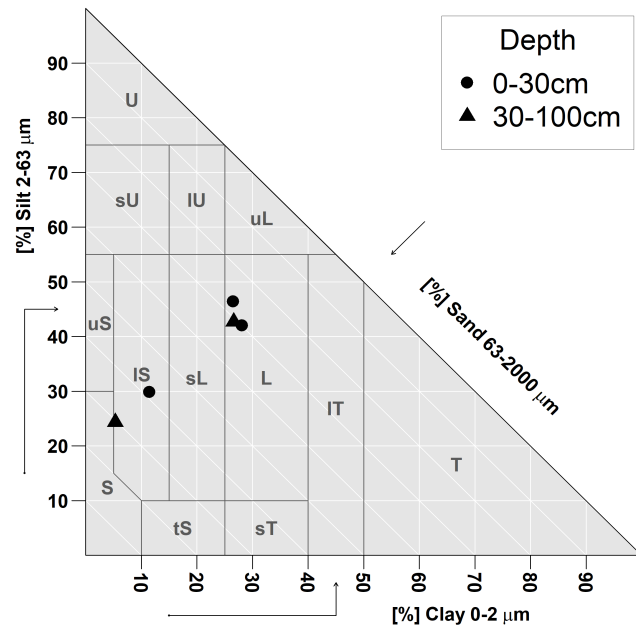


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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

## Biomass use

Effects of whole three harvesting



Minor negative effects

## Compaction risk

Effects of heavy machines transit on the soil



Occasionally critical