

FeB0

Solid rock, siliceous-base rich, intermediate

General parameters

Area	59.68 km ²
Percentage on total forest mapped area	1.23 %

Physics - mean values of all considered profiles (11)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m ²]
0-15	25 ± 20	62 ± 33
15-30	40 ± 20	
30-60	60 ± 25	
60-100	80 ± 10	

Chemistry - stock of available profiles (2)

Ctot	Ntot	Ca	Mg	K	P
t/ha	kg/ha	kg/ha	kg/ha	kg/ha	kg/ha
112.13	5.41	514.43	190.08	63.18	3093.12

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 (3)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	Ca/BC	Mg/BC	Ntot [%]	TOC [%]	C/N	pH _{CaCl2}
0-10	173.95	19.66	0.44	0.4	0.78	20.65	26.47	3.55
10-20	93.08	7.91	0.41	0.38	0.3	7.35	24.5	3.97
20-40	38.39	16.72	0.43	0.28	0.16	3.04	19	4.37
40-80	29.87	50.88	0.48	0.28	0.08	1.26	15.75	4.77

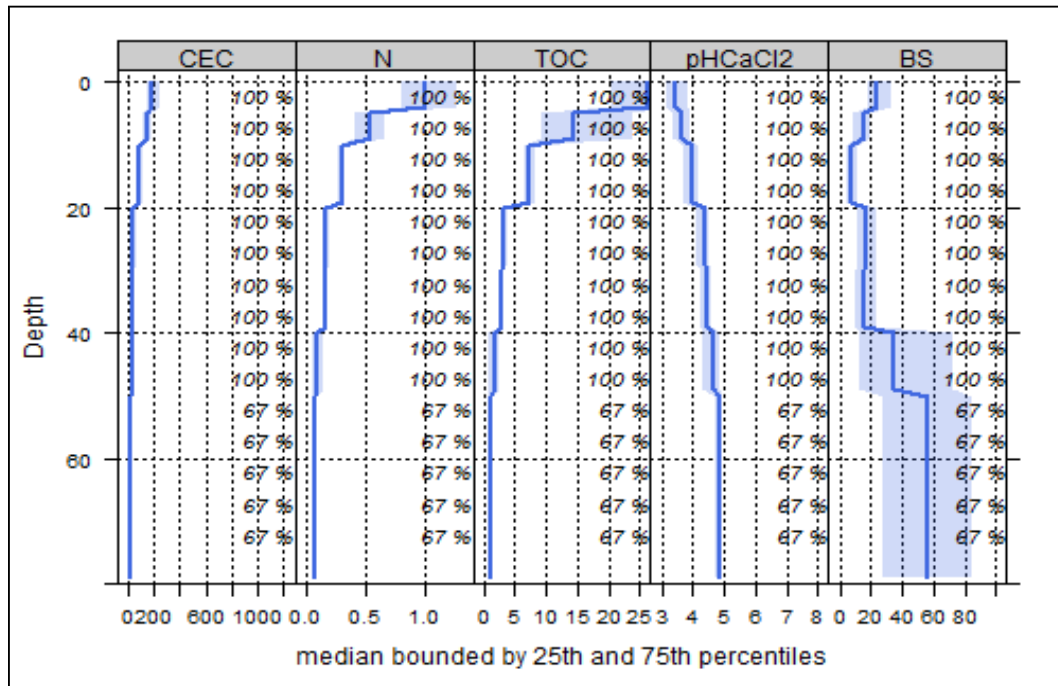
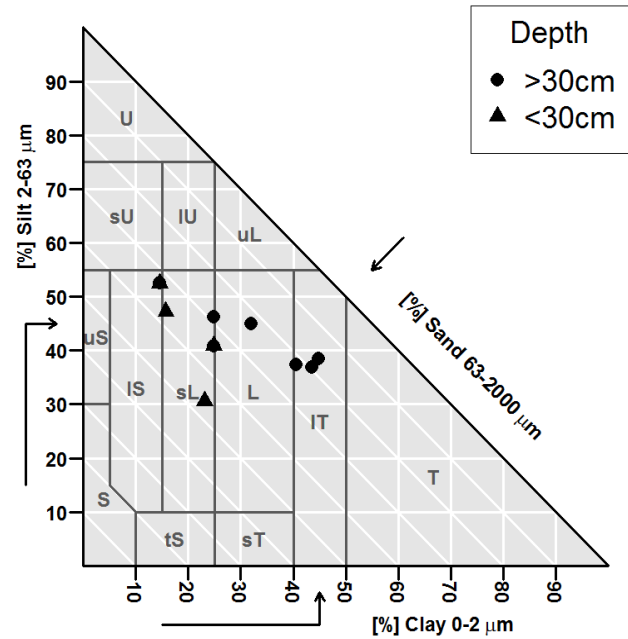


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%)

Biomass use

Effects of whole three harvesting



Intermediate negative effects

Compaction risk

Effects of heavy machines transit on the soil



Occasionally critical