FeI+

Solid rock, siliceous-intermediate, intermediate

General parameters

Area	126.12 km2
Percentage on total forest mapped area	2.59 %

Physics - mean values of all considered profiles (15)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	20 ± 15	86 ± 30
15-30	25 ± 20	
30-60	50 ± 30	
60-100	65 ± 30	

Chemistry - stock of available profiles (2)

Ctot	Ntot	Ca	Mg	K	P
t/ha	kg/ha	kg/ha	kg/ha	kg/ha	kg/ha
180.28	9.39	284.86	85.56	86.67	581.68

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 (10)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	Ca/BC	Mg/BC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-10	231.13	40.07	0.57	0.35	0.69	13.03	18.88	3.79
10-20	151.93	29.87	0.52	0.33	0.35	6.4	18.29	4.08
20-40	83.64	26.89	0.55	0.26	0.19	3.61	19	4.63
40-80	49.84	24.92	0.54	0.23	0.14	2.35	16.79	4.62

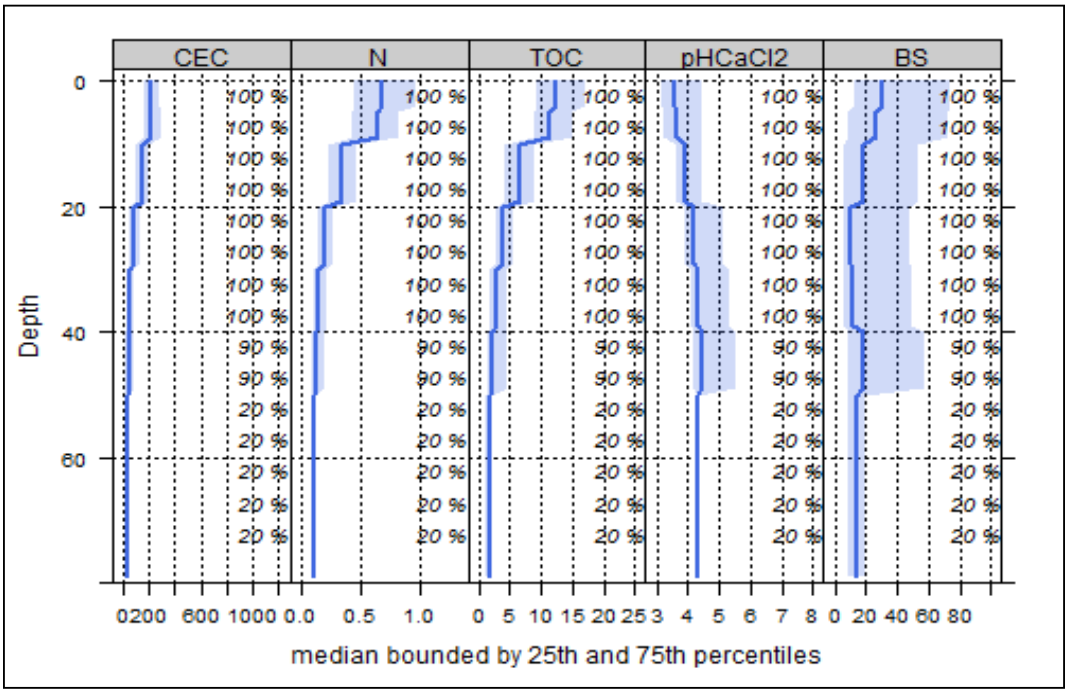
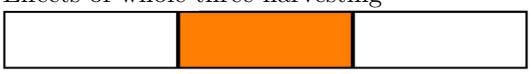


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%)

Biomass use

Effects of whole three harvesting



Intermediate negative effects

Compaction risk

Effects of heavy machines transit on the soil

Occasionally critical