

SxB-

solid bedrock, mafic rocks, pure

General parameters

Area	31.65 km2
Percentage on total forest mapped area	0.65 %

Physics - mean values of all considered profiles (10)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	30 ± 25	61 ± 45
15-30	50 ± 30	
30-60	60 ± 35	
60-100	45 ± 40	

Chemistry - stock of available profiles (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
26.11	2.39	700.91	291.47	101.87	466.03

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 (2)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH _{CaCl2}
0-5	89.63	58.37	0.54	0.33	6.56	19.88	4
5-10	84.3	39.79	0.36	0.28	5.84	20.86	3.75
10-20	82.21	33.72	0.31	0.16	3.87	24.19	4
20-40	42.94	51.4	0.48	0.1	2.24	22.4	4.5
40-80	28.77	78.41	0.73	0.08	1.09	13.62	4.84

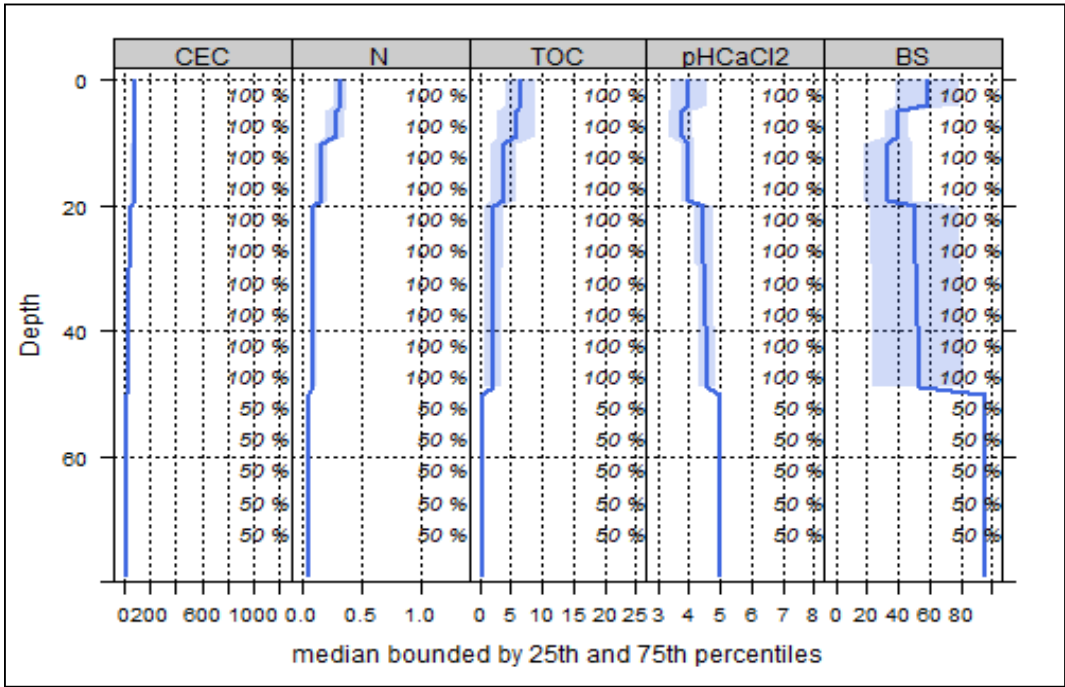
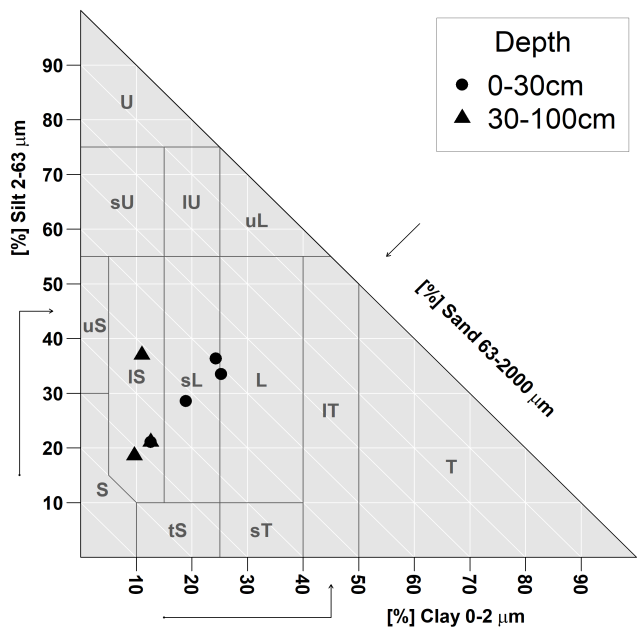


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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

Biomass use

Effects of whole-tree harvesting



Intermediate negative effects

Compaction risk

Effects of the transit of heavy-duty machinery



Occasionally critical