

TxD-

till, dolomite, pure

General parameters

Area	15.64 km2
Percentage on total forest mapped area	0.32 %

Physics - mean values of all considered profiles (3)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	50 ± 40	32 ± 27
15-30	70 ± 20	
30-60	90 ± 5	
60-100	95 ± 0	

Chemistry - stock of available profiles (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
158.2	6.16	5176	1423	59	179

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 (5)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH _{CaCl2}
0-5	897.16	99.91	1	2.12	18.5	8.73	6.42
5-10	844.36	99.91	1	0.88	17.04	19.36	6.46
10-20	528.88	99.97	1	0.51	10.34	20.27	6.68
20-40	314.4	100	1	0.28	6.1	21.79	7.1
40-80	203.77	100	1	0.2	3.9	19.5	7.3

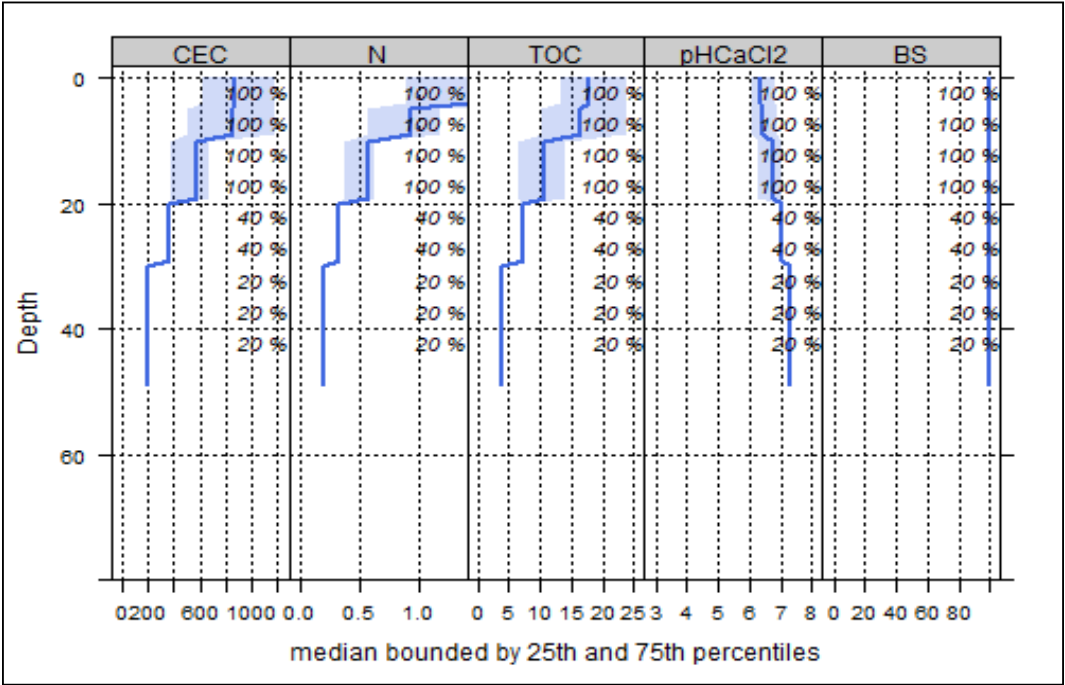


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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

Biomass use

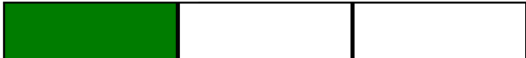
Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of the transit of heavy-duty machinery



Minor negative effects