

TxIO

till, intermediate siliceous rocks, impure

General parameters

Area	424.07 km ²
Percentage on total forest mapped area	8.72 %

Physics - mean values of all considered profiles (107)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m ²]
0-15	15 ± 15	127 ± 48
15-30	20 ± 15	
30-60	30 ± 25	
60-100	50 ± 30	

Chemistry - stock of available profiles (0)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha

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 (37)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pH _{CaCl2}
0-5	124.19	30.94	0.29	0.35	6.46	18.46	3.74
5-10	120.54	31.57	0.3	0.34	6.27	18.44	3.77
10-20	70.48	29.09	0.27	0.2	3.34	16.7	4.2
20-40	42.46	33.43	0.31	0.14	2.37	16.93	4.5
40-80	29.95	39.77	0.36	0.1	1.94	19.4	4.61

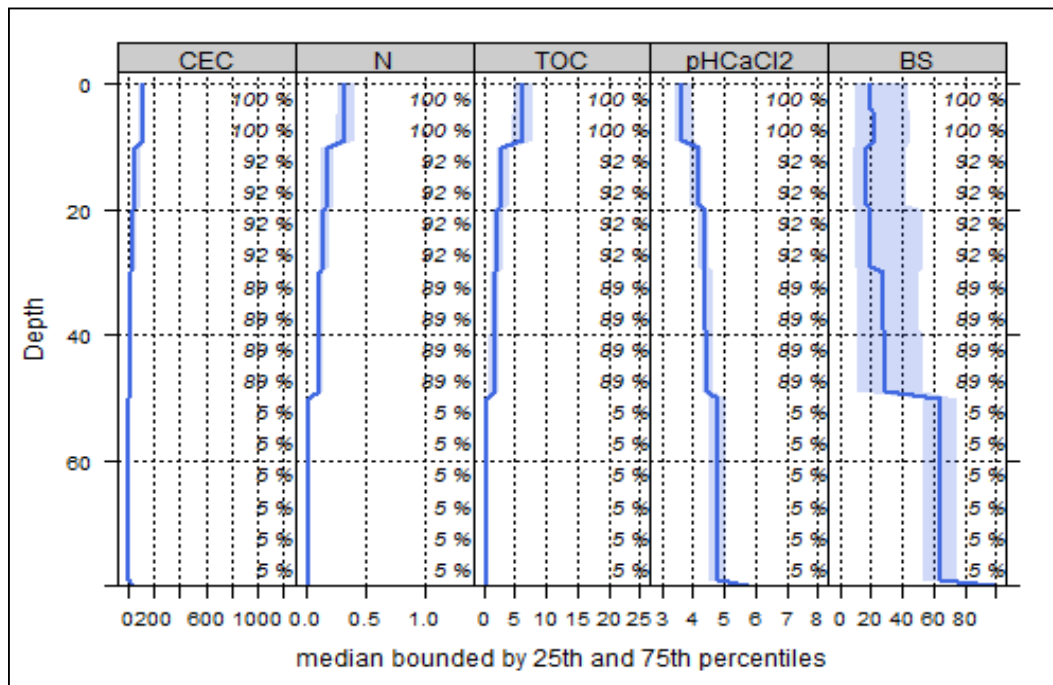
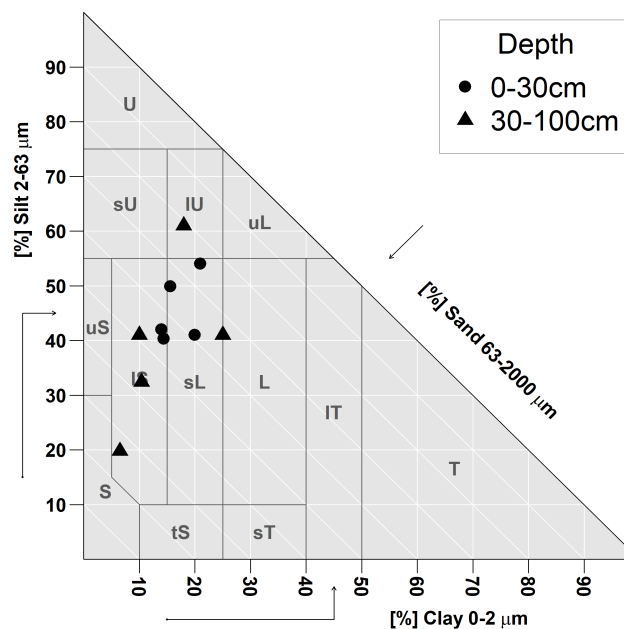


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation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