TxI0

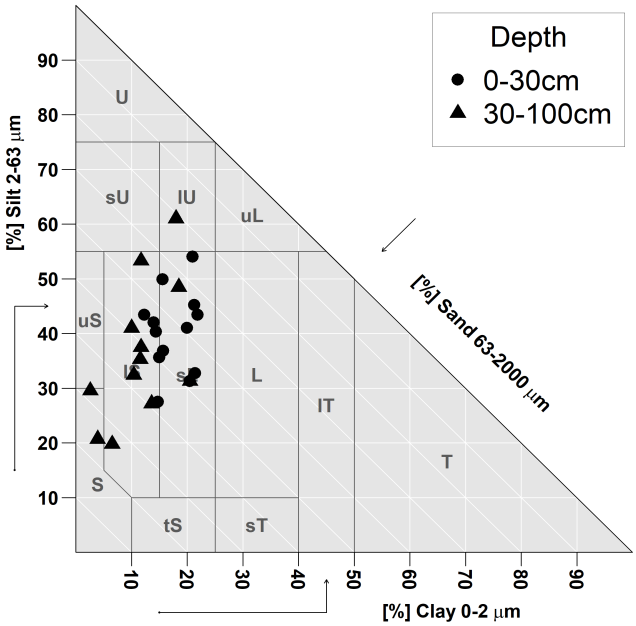
Moraine, intermediate siliceous rocks, intermediate clay minerals

Occurrence of substrate type

Area	424.07 km2
Percentage on total forest mapped area	8.72 %

Physical soil properties-
mean values according to field description (12)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	15 ± 15	133 ± 33
15-30	20 ± 15	
30-60	30 ± 25	
60-100	50 ± 30	



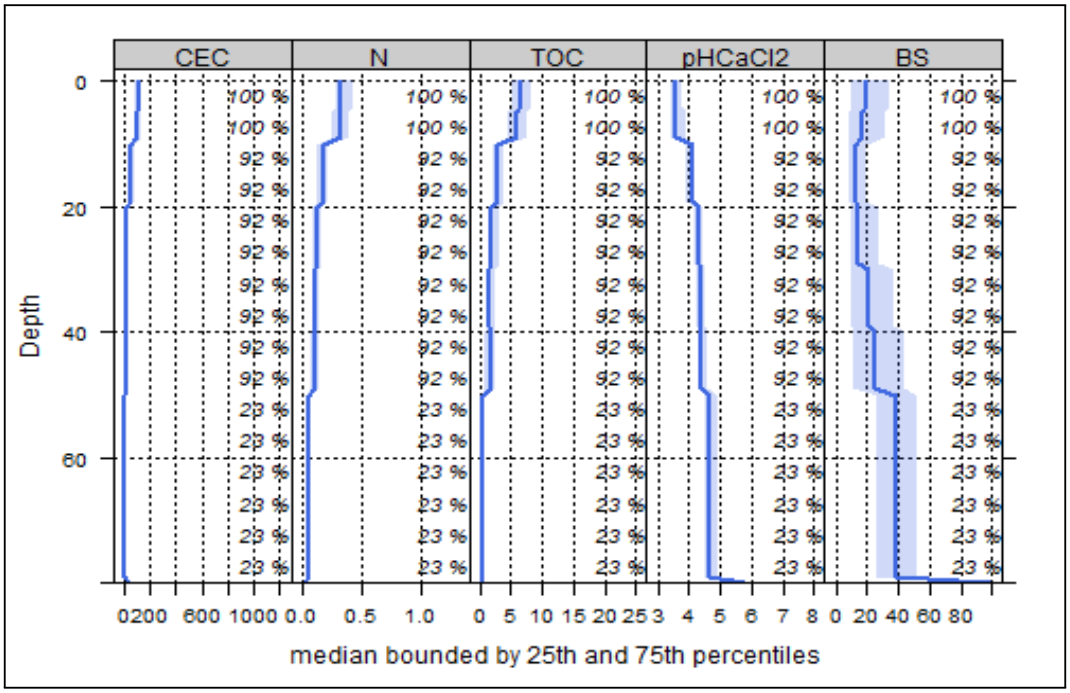
Carbon, nitrogen and nutrient stocks (9)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
108.32	6.78	728.91	157.18	294.18	2152.09

Mean stock values 0-80 cm of mineral soil and humus layers (OF,OH) given in short term availability. For phosphorous long-term availability is given.

Soil chemical analysis for depth intervals (41)

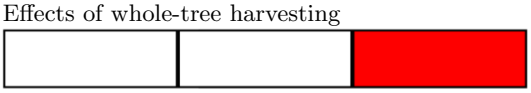
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	118.9	25.58	0.24	0.38	7	18.42	3.61
5-10	108.36	22.52	0.2	0.32	5.99	18.72	3.65
10-20	59.66	17.66	0.15	0.19	3.17	16.68	4.07
20-40	32.99	23.9	0.19	0.13	2.24	17.23	4.34
40-80	21.27	34.39	0.24	0.1	1.72	17.2	4.57



Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (CEC, mmol/kg), nitrogen (N, %), total organic carbon (TOC, %), pH and base saturation (BS, %). Dark blue line represents median, blue area represents values within the second and third percentile.

Biomass use

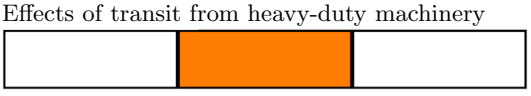
Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical