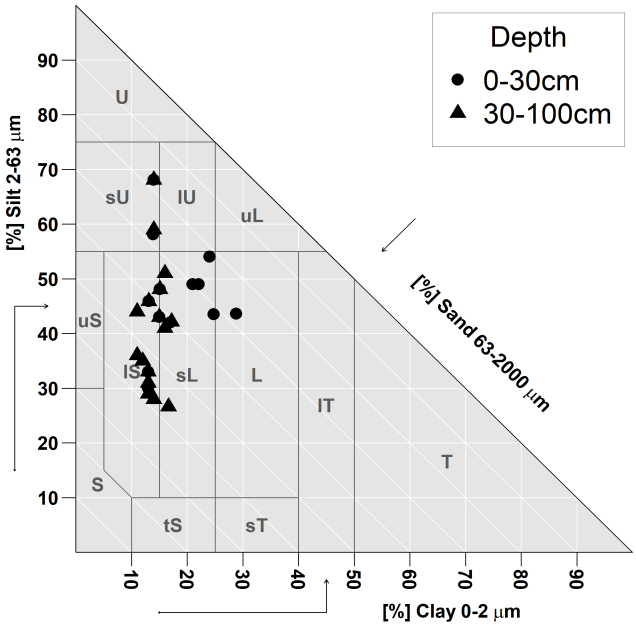
SxI0

Solid rock, intermediate siliceous rocks, intermediate clay minerals

Occurrence of substrate type

Area	461.57 km2
Percentage on total forest mapped area	9.5 %



Physical soil properties-
mean values according to field description (7)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	25 ± 25	72 ± 33
15-30	45 ± 30	
30-60	55 ± 30	
60-100	65 ± 25	

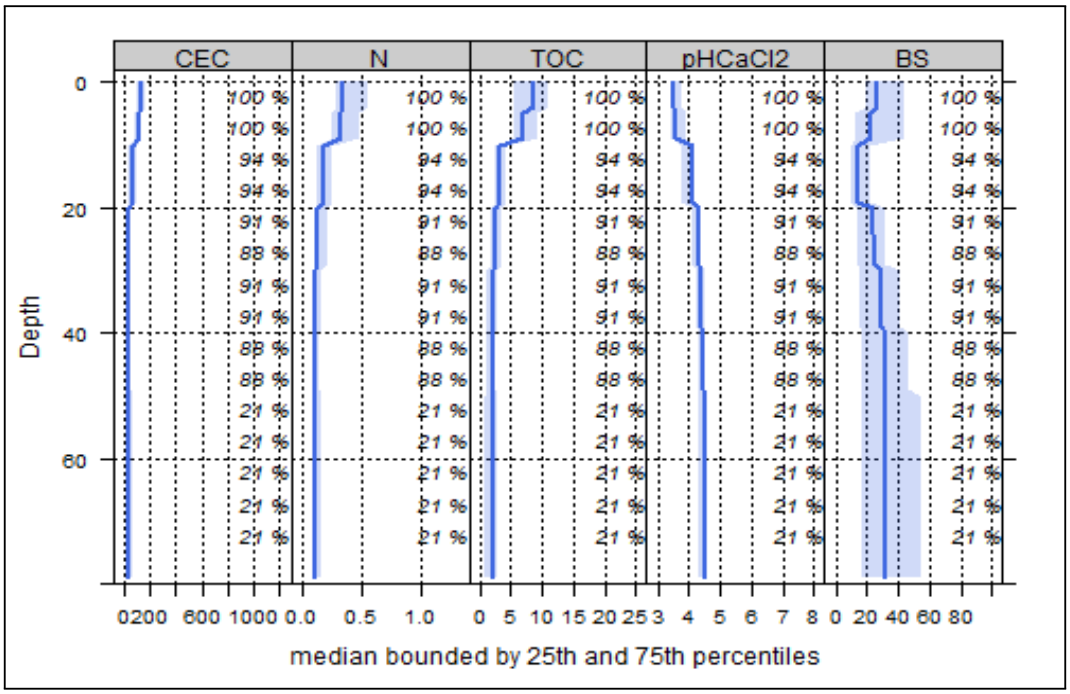
Carbon, nitrogen and nutrient stocks (7)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
124.26	6.32	736.8	158.2	153.36	1073.23

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 (33)

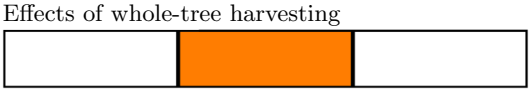
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	136.6	31.09	0.29	0.43	9.01	20.95	3.57
5-10	124.05	28.4	0.26	0.38	7.78	20.47	3.63
10-20	70.64	19.24	0.16	0.21	3.64	17.33	3.99
20-40	43.39	28.26	0.24	0.15	2.6	17.33	4.3
40-80	43.21	34.85	0.29	0.13	2.18	16.77	4.39



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

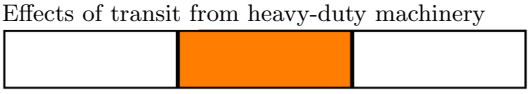
Effects of whole-tree harvesting



Intermediate negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical