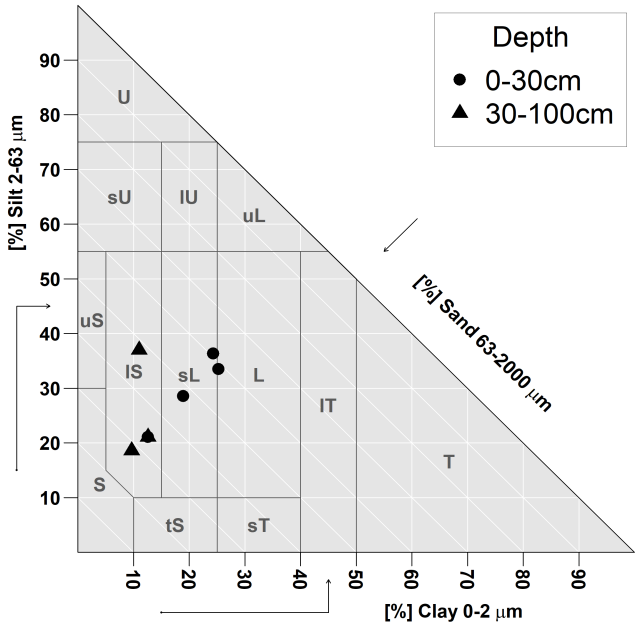
SxB- Solid rock, mafic rocks, poor in clay minerals

Occurrence of substrate type

Area	31.65 km2
Percentage on total forest mapped area	0.65 %



Physical soil properties-
mean values according to field description (1)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	30 ± 20	94±
15-30	50 ± 30	
30-60	55 ± 30	
60-100	50 ± 35	

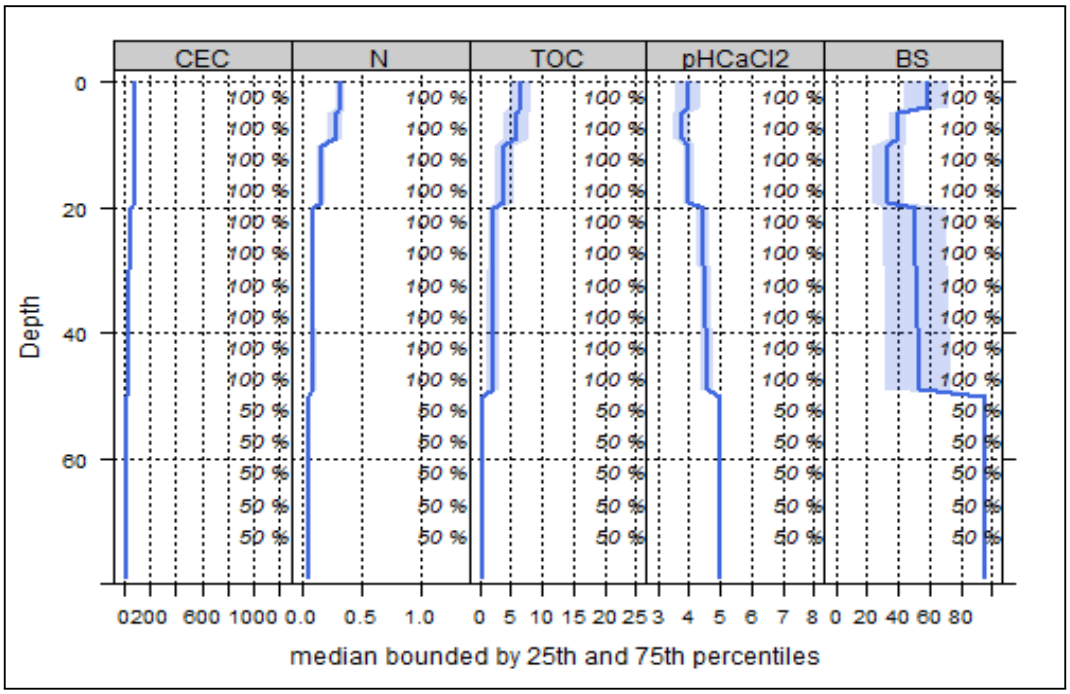
Carbon, nitrogen and nutrient stocks (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
48.65	4.79	1460.35	664.7	204.45	1029.52

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 (2)

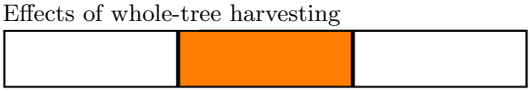
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	89.63	58.37	0.54	0.33	6.56	19.88	4
5-10	84.3	39.79	0.36	0.28	5.84	20.86	3.74
10-20	82.21	33.72	0.31	0.16	3.87	24.19	4
20-40	42.94	51.4	0.48	0.1	2.24	22.4	4.5
40-80	28.77	78.41	0.73	0.08	1.09	13.62	4.84



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

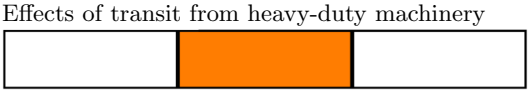
Effects of whole-tree harvesting



Intermediate negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical