GdB0

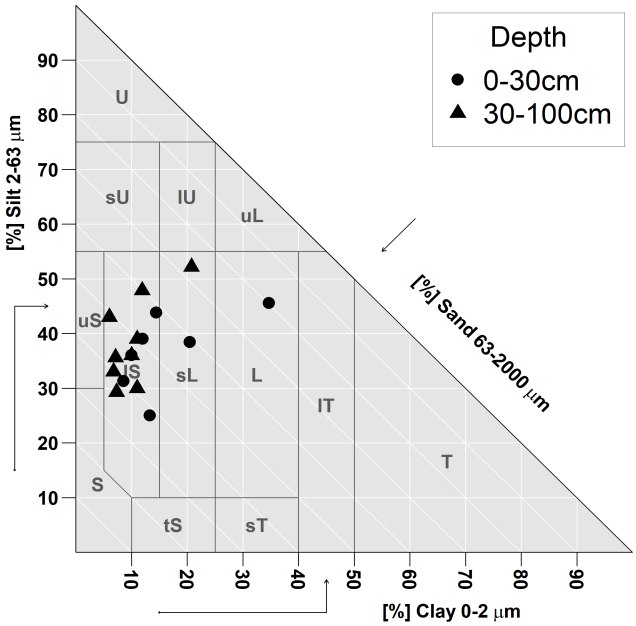
Debris, mafic rocks, intermediate clay minerals

Occurrence of substrate type

Area	18.7 km2
Percentage on total forest mapped area	0.38 %

Physical soil properties-
mean values according to field description (5)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	25 ± 20	107 ± 54
15-30	40 ± 20	
30-60	50 ± 20	
60-100	60 ± 20	



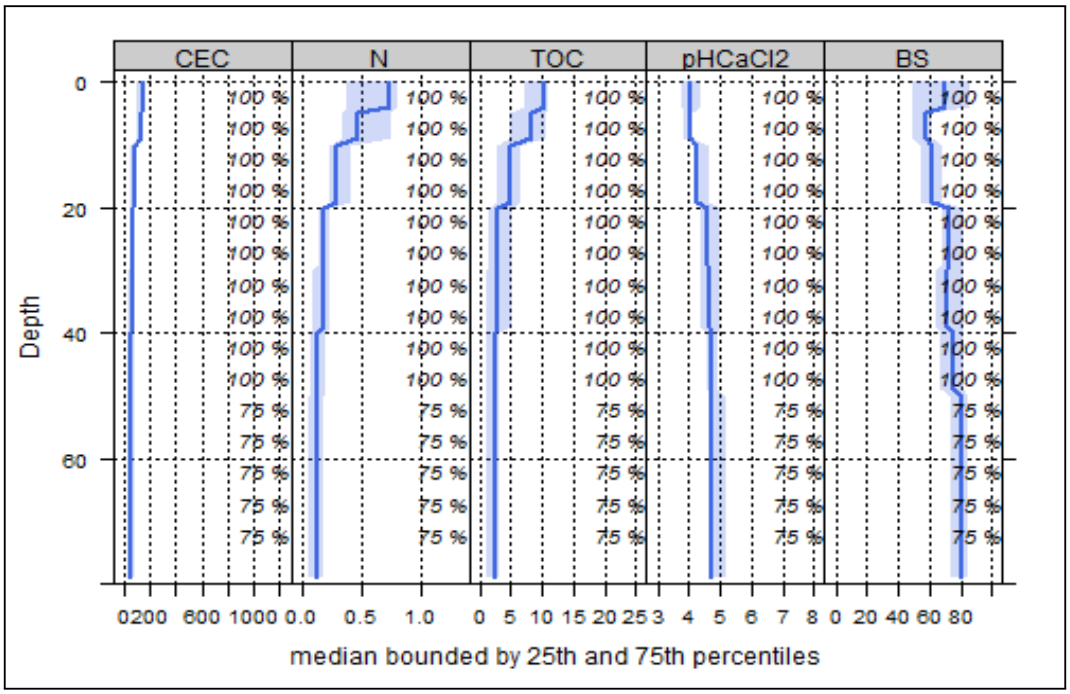
Carbon, nitrogen and nutrient stocks (6)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
142.62	7.44	3373.68	499.1	264.35	1755.29

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 (8)

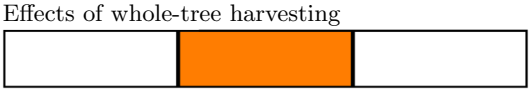
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	206.94	67.29	0.65	0.67	10.4	15.52	4.2
5-10	176.79	56.86	0.54	0.5	7.75	15.5	4.22
10-20	123.11	60.25	0.58	0.34	5.8	17.06	4.49
20-40	66.79	70.32	0.67	0.2	3.19	15.95	4.64
40-80	57.46	78.68	0.75	0.14	2.25	16.07	4.85



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

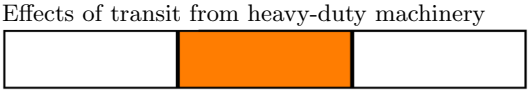
Effects of whole-tree harvesting



Intermediate negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical