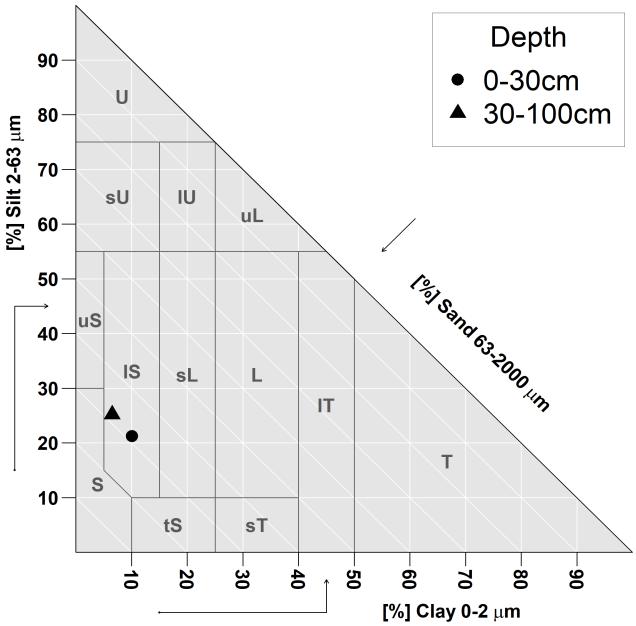
GdB- Debris, mafic rocks, poor in clay minerals

Occurrence of substrate type

Area	5.96 km2
Percentage on total forest mapped area	0.12 %

Physical soil properties-
mean values according to field description (2)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	35 ± 20	110 ± 60
15-30	55 ± 15	
30-60	65 ± 15	
60-100	80 ± 10	



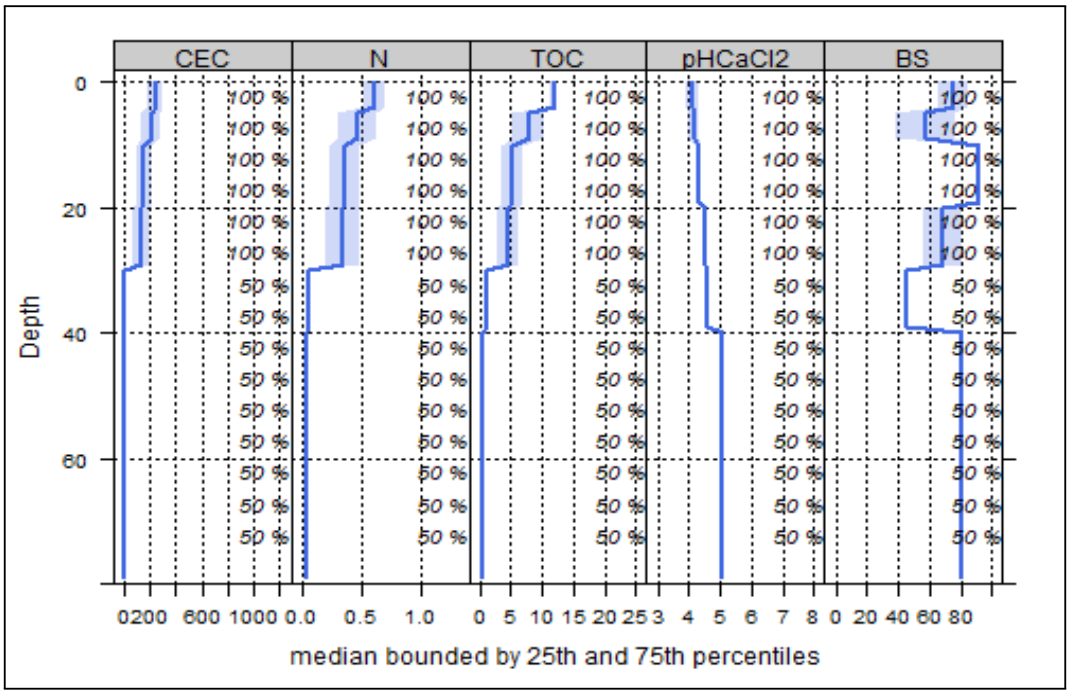
Carbon, nitrogen and nutrient stocks (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
97.01	4.25	1505.92	256.89	160.66	1541.17

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)

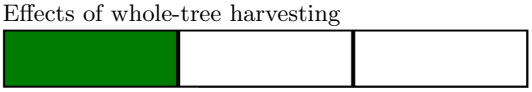
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	248.38	75.62	0.74	0.6	11.88	19.8	4.1
5-10	214.28	57	0.55	0.46	7.9	17.17	4.15
10-20	155.9	91.92	0.9	0.36	5.22	14.5	4.3
20-40	96.9	60.59	0.55	0.25	3.45	13.8	4.55
40-80	12.07	81.01	0.71	0.05	0.59	11.8	5.07



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

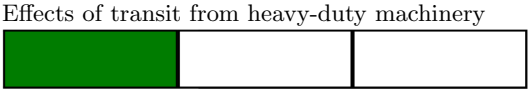
Effects of whole-tree harvesting



Minor negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Minor negative effects