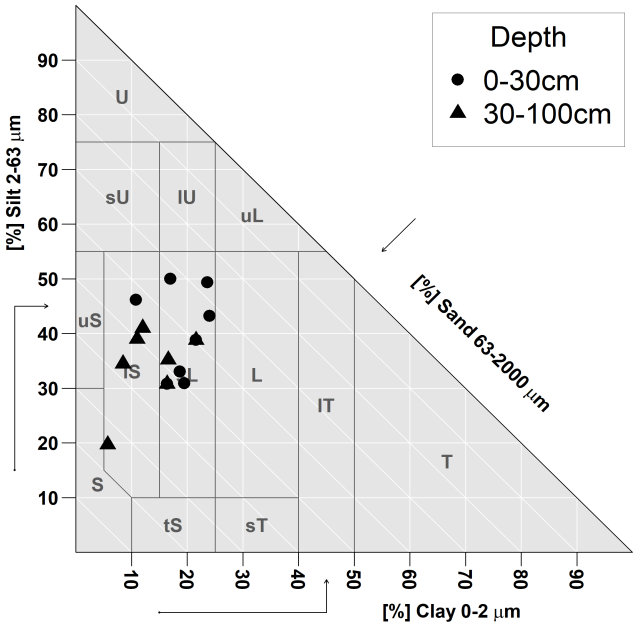
FxM0

Gravel, carbonate-siliceous rocks, intermediate clay minerals

Occurrence of substrate type

Area	67.19 km2
Percentage on total forest mapped area	1.38 %



Physical soil properties-
mean values according to field description (6)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	15 ± 20	136 ± 20
15-30	20 ± 20	
30-60	35 ± 25	
60-100	45 ± 25	

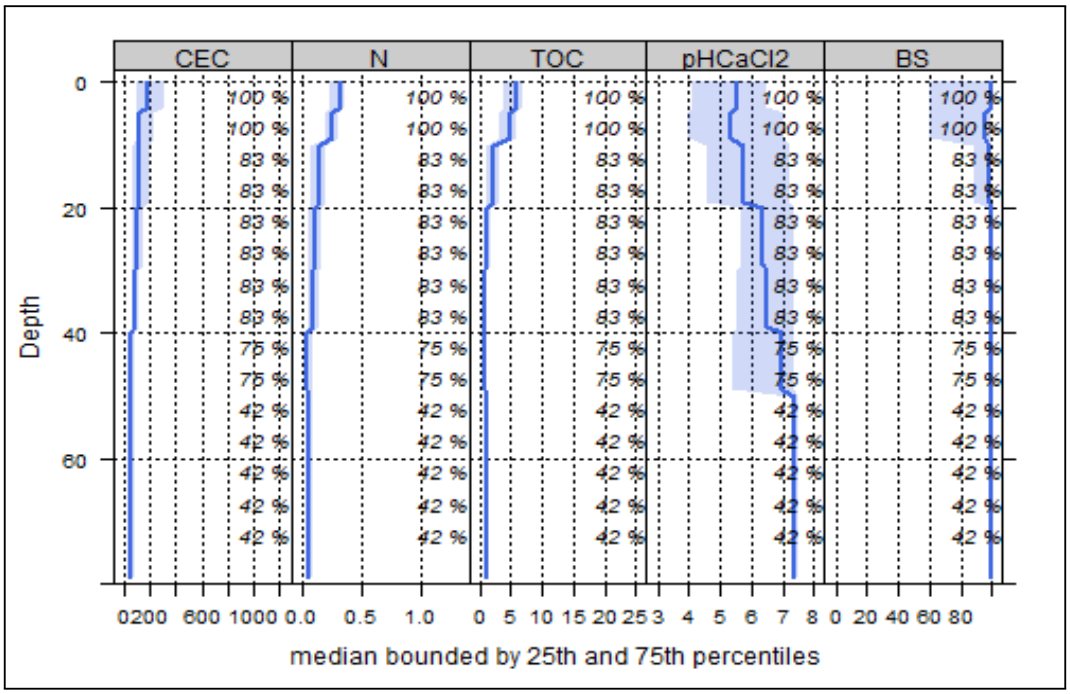
Carbon, nitrogen and nutrient stocks (5)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
100.33	7.04	8132.11	2071.5	244.5	2665.78

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 (13)

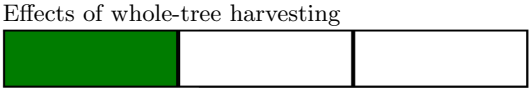
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	210.93	80.24	0.79	0.33	6.23	18.88	5.37
5-10	178.4	77.9	0.76	0.25	4.56	18.24	5.4
10-20	139.51	79.33	0.78	0.15	2.26	15.07	5.75
20-40	100.14	85.3	0.83	0.1	1.14	11.4	6.24
40-80	69.32	95.02	0.92	0.06	0.85	14.17	7.03



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

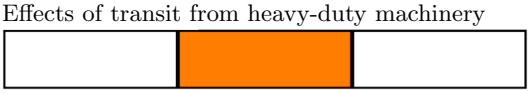
Effects of whole-tree harvesting



Minor negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical