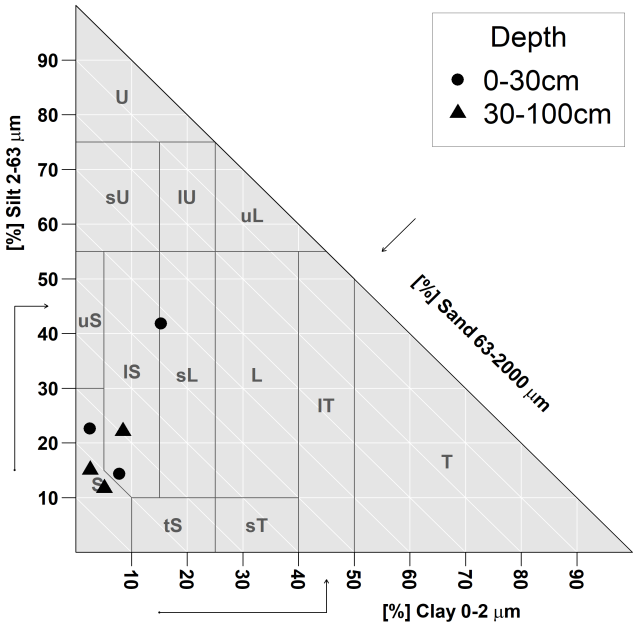
FxB- Gravel, mafic rocks, poor in clay minerals

Occurrence of substrate type

Area	5.06 km2
Percentage on total forest mapped area	0.1 %

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

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	10 ± 10	123 ± 50
15-30	20 ± 10	
30-60	40 ± 25	
60-100	60 ± 15	



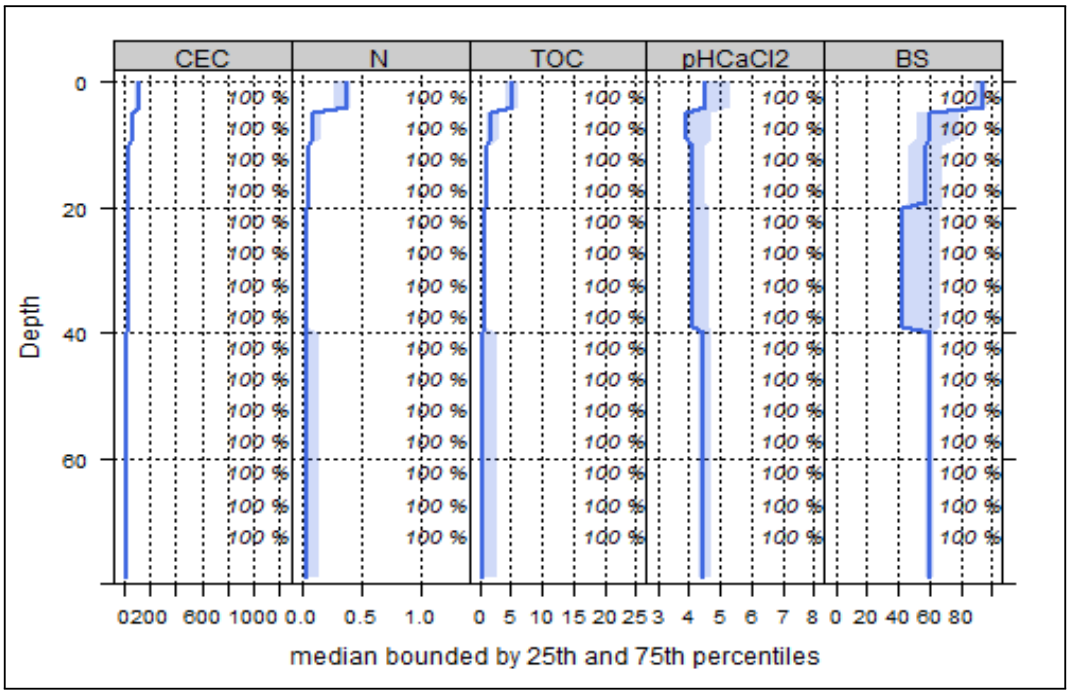
Carbon, nitrogen and nutrient stocks (3)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
95.92	5.46	1751.56	664.83	487.01	2752.99

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 (3)

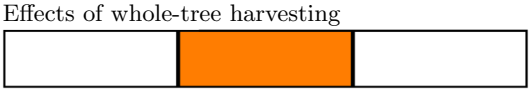
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	110.84	92	0.89	0.33	5.12	15.52	5
5-10	76.64	67	0.64	0.12	2.33	19.42	4.43
10-20	42.02	57.2	0.5	0.06	0.97	16.17	4.33
20-40	29.99	57.51	0.46	0.04	0.63	15.75	4.43
40-80	18.19	60.76	0.45	0.1	1.91	19.1	4.56



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

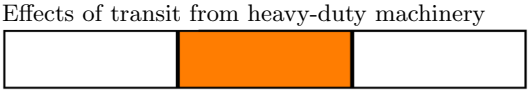
Effects of whole-tree harvesting



Intermediate negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical