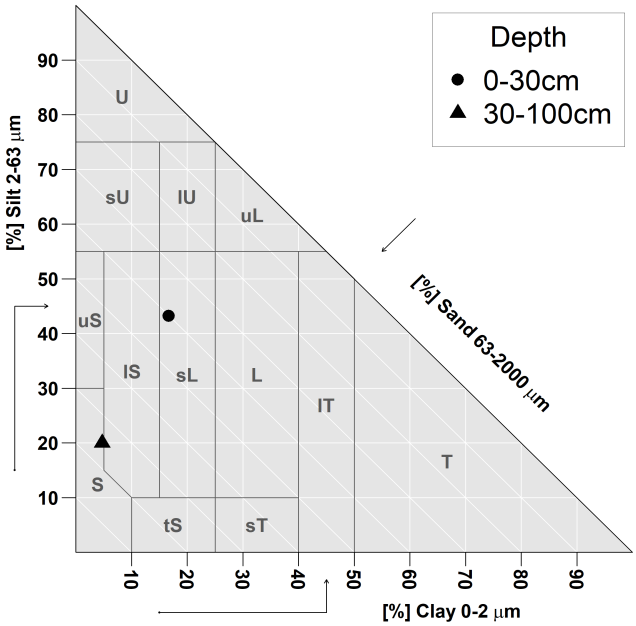
TxK- Moraine, calcite, poor in clay minerals

Occurrence of substrate type

Area	10.83 km2
Percentage on total forest mapped area	0.22 %

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

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	40 ± 25	45±
15-30	60 ± 25	
30-60	75 ± 15	
60-100	90 ± 10	



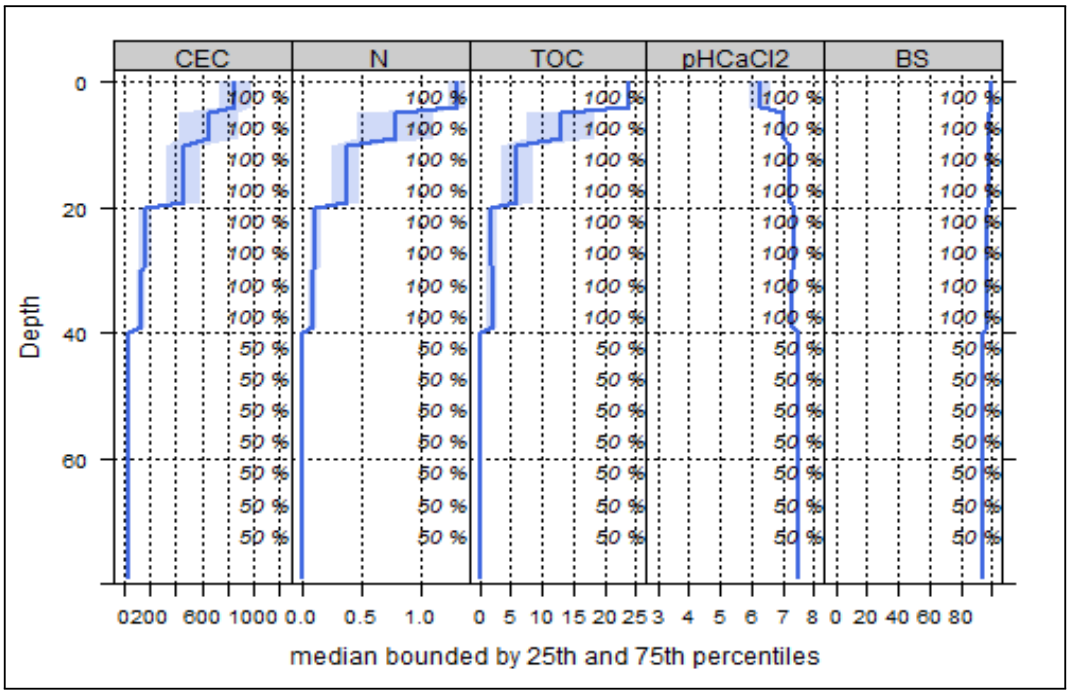
Carbon, nitrogen and nutrient stocks (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
36.61	2.14	3881.91	38.04	57.41	323.26

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)

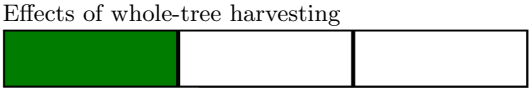
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	858.15	99.04	0.98	1.3	23.98	18.45	6.28
5-10	662.04	98.19	0.98	0.78	13.09	16.78	7.03
10-20	462.18	98.16	0.98	0.37	6.04	16.32	7.2
20-40	148.73	97.13	0.96	0.1	2.01	20.1	7.32
40-80	41.95	94.41	0.91	0.01	0.13	13	7.51



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

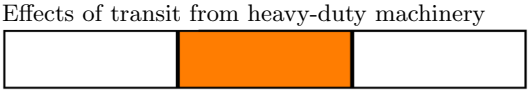
Effects of whole-tree harvesting



Minor negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical