SxK- Solid rock, calcite, poor in clay minerals

Occurrence of substrate type

Area	181.69 km2
Percentage on total forest mapped area	3.74 %

Physical soil properties-
mean values according to field description (3)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	50 ± 35	30 ± 7
15-30	65 ± 30	
30-60	75 ± 20	
60-100	90 ± 5	

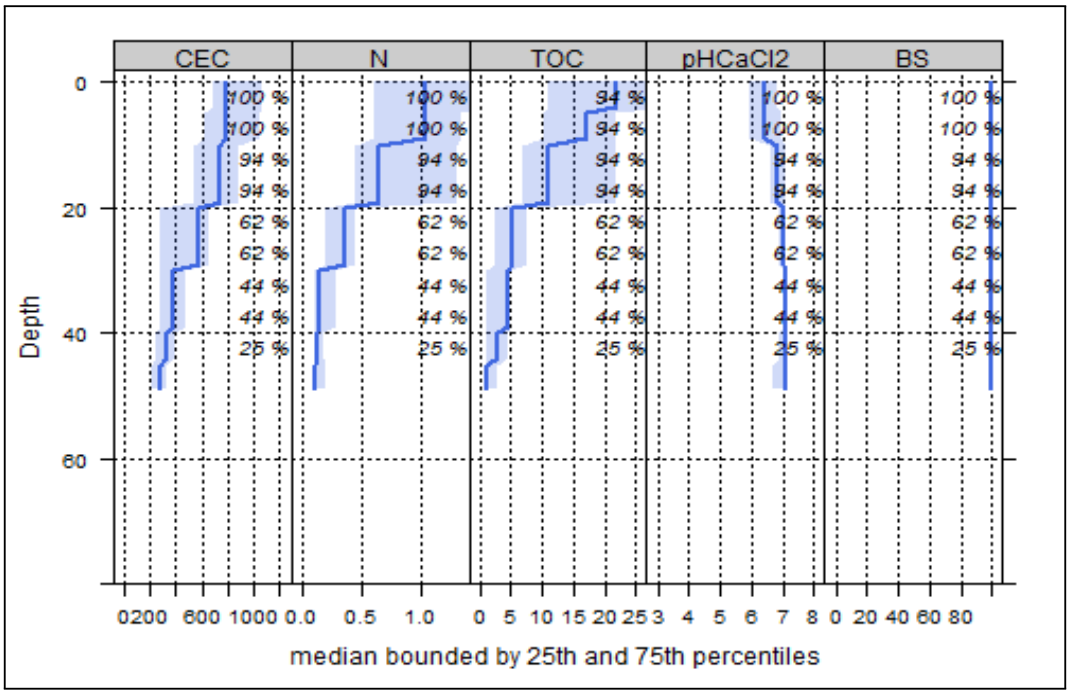
Carbon, nitrogen and nutrient stocks (3)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
75.66	4.07	4556.29	68.7	32.12	191.34

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 (17)

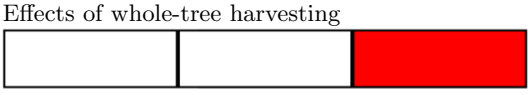
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	866.04	98.53	3.32	1.07	21	19.63	6.33
5-10	853.16	98.53	3.33	1.01	17.85	17.67	6.39
10-20	784.4	98.84	3.49	0.8	14.98	18.72	6.71
20-40	484.91	99.9	1	0.36	5.89	16.36	6.89
40-80	296.96	99.98	1	0.16	2.49	15.56	6.9



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

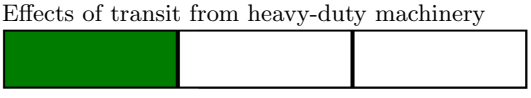
Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Minor negative effects