SxS- Solid rock, felsic siliceous rocks, poor in clay minerals

Occurrence of substrate type

Area	80.45 km2
Percentage on total forest mapped area	1.66 %

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

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	40 ± 30	±
15-30	50 ± 25	
30-60	60 ± 25	
60-100	70 ± 20	

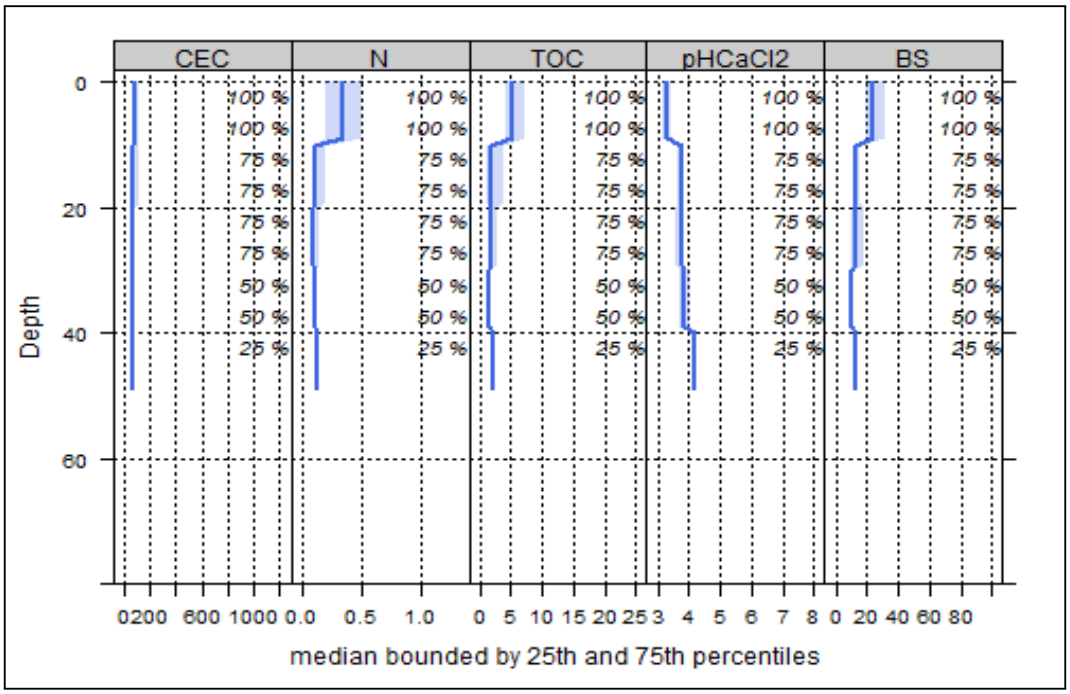
Carbon, nitrogen and nutrient stocks (0)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha

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 (4)

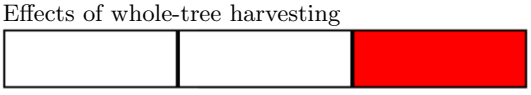
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-5	89.16	27.66	0.26	0.36	6.03	16.75	3.3
5-10	89.16	27.66	0.26	0.36	6.03	16.75	3.3
10-20	96.56	14.77	0.13	0.16	2.67	16.69	3.7
20-40	66.71	12.55	0.11	0.12	1.92	16	3.76
40-80	74.55	12.52	0.12	0.13	2.1	16.15	4.2



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

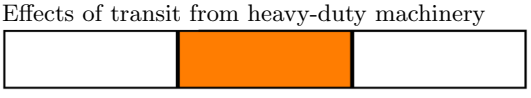
Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical