

SxB+

Solid rock, mafic rocks, rich in clay minerals

Occurrence of substrate type

Area	6.65 km ²
Percentage on total forest mapped area	0.14 %

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

Depth [cm]	Coarse fraction [%]	Field capacity [l/m ²]
0-15	20 ± 20	106 ± 41
15-30	35 ± 15	
30-60	45 ± 20	
60-100	70 ± 20	

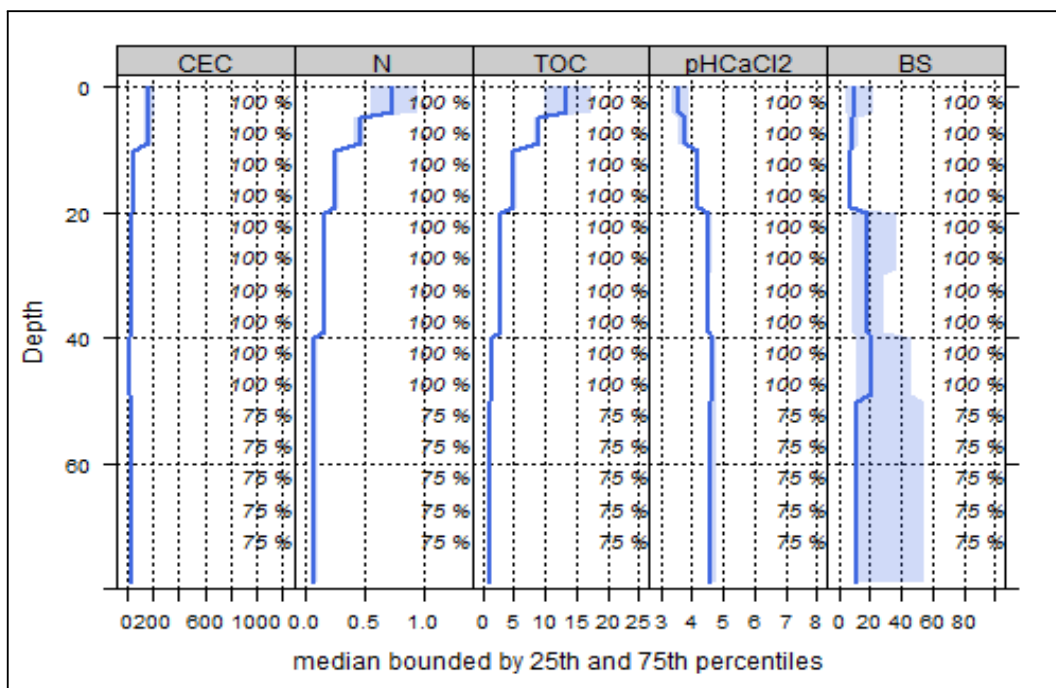
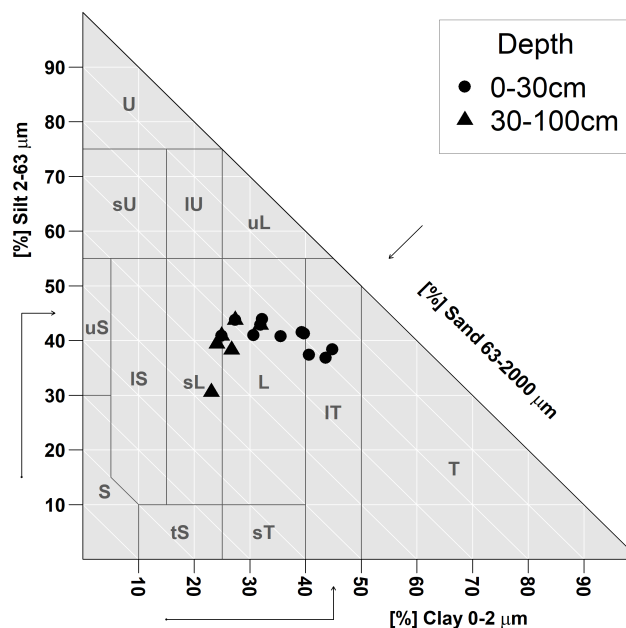
Carbon, nitrogen and nutrient stocks (3)

C _{tot}	N _{tot}	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
112.99	6.34	386.07	124.89	62.62	3019.18

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)

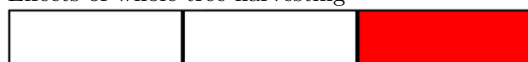
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	N _{tot} [%]	TOC [%]	C/N	pH _{CaCl2}
0-5	191.49	15.9	0.13	0.75	13.91	18.55	3.65
5-10	164.17	10.1	0.07	0.44	8.66	19.68	3.72
10-20	66.21	8.1	0.06	0.26	5.13	19.73	4.18
20-40	33.7	22.76	0.2	0.16	2.67	16.69	4.56
40-80	32.36	39.07	0.35	0.09	1.25	13.89	4.7



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

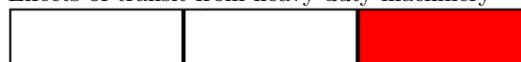
Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Locations at risk