

# SxC-

Solid rock, siliceous-carbonate rocks, poor in clay minerals

## Occurrence of substrate type

Area	0.3 km <sup>2</sup>
Percentage on total forest mapped area	0.01 %

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

Depth [cm]	Coarse fraction [%]	Field capacity [l/m <sup>2</sup> ]
0-15	30 ± 25	76 ± 45
15-30	45 ± 30	
30-60	80 ± 20	
60-100	80 ± 0	

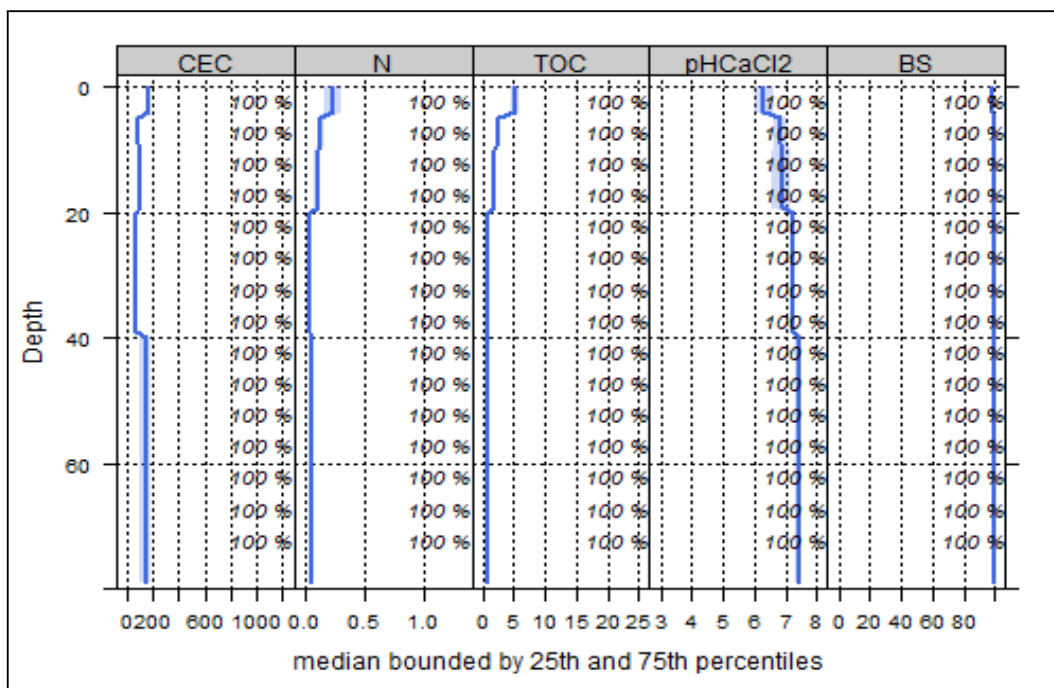
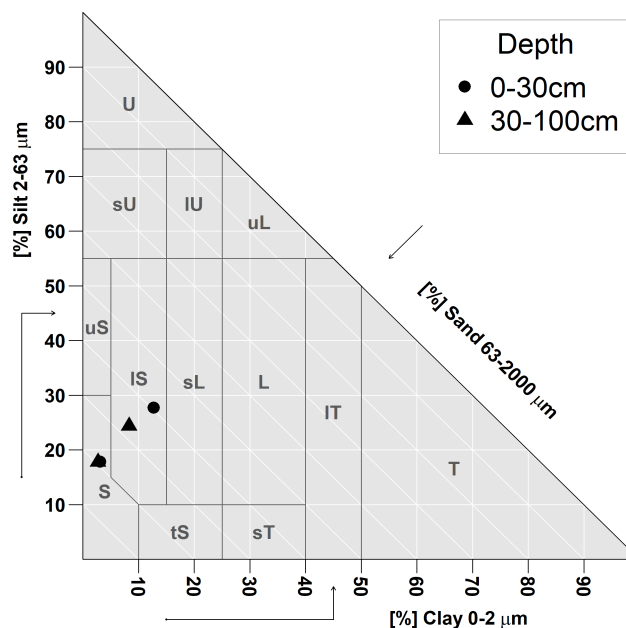
## Carbon, nitrogen and nutrient stocks (2)

C <sub>tot</sub>	N <sub>tot</sub>	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
70.54	3.5	5332.73	91.72	91.99	1008.57

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	N <sub>tot</sub> [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	161.14	98.78	0.97	0.23	5.18	22.52	6.3
5-10	92.69	99.34	0.96	0.13	2.52	19.38	6.8
10-20	99.16	99.44	0.98	0.11	1.92	17.45	6.88
20-40	72.83	99.7	0.97	0.05	0.87	17.4	7.23
40-80	146.19	99.86	0.98	0.05	0.88	17.6	7.41



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



Minor negative effects