

# SxD-

Solid rock, dolomite, poor in clay minerals

## Occurrence of substrate type

Area	748.36 km <sup>2</sup>
Percentage on total forest mapped area	15.4 %

## Physical soil properties- mean values according to field description (7)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m <sup>2</sup> ]
0-15	40 ± 30	46 ± 31
15-30	65 ± 30	
30-60	75 ± 20	
60-100	85 ± 20	

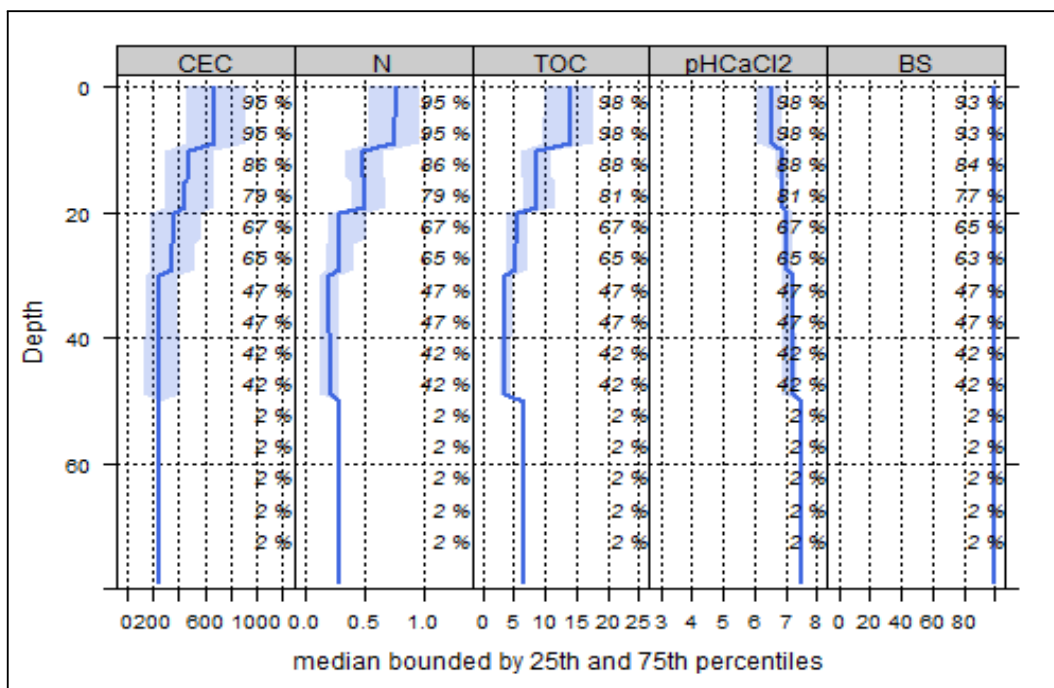
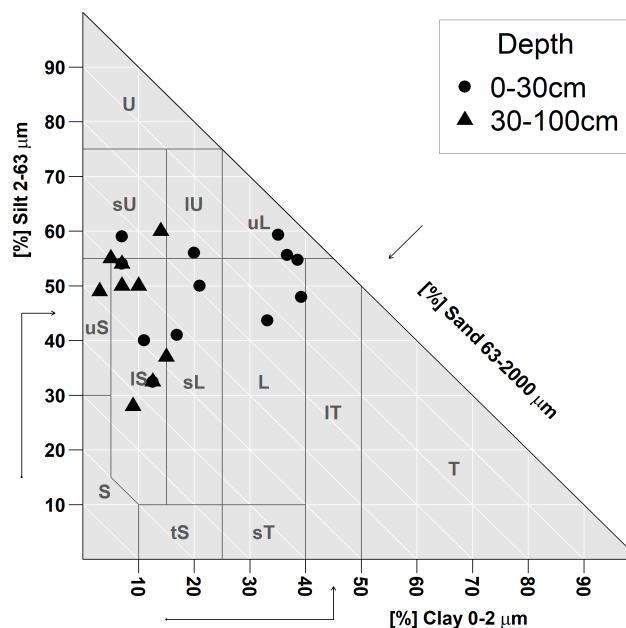
## Carbon, nitrogen and nutrient stocks (2)

C <sub>tot</sub>	N <sub>tot</sub>	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
126.95	5.94	7316.5	1672.5	40.5	415

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 (46)

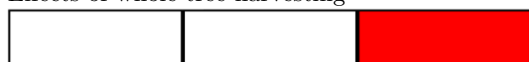
Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	(Mg+Ca)/CEC	N <sub>tot</sub> [%]	TOC [%]	C/N	pH <sub>CaCl2</sub>
0-5	692.7	99.65	0.99	0.76	14.29	18.8	6.45
5-10	690.73	99.65	0.99	0.75	14.06	18.75	6.45
10-20	531.35	99.93	1	0.53	9.07	17.11	6.85
20-40	359.76	99.98	1	0.29	5.26	18.14	7.05
40-80	293.57	99.98	1	0.23	4.45	19.35	7.17



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