

GdK0

Debris, calcite, intermediate clay minerals

Occurrence of substrate type

Area	50.73 km2
Percentage on total forest mapped area	1.04 %

Physical soil properties-
mean values according to field description (1)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	30 ± 25	131±
15-30	50 ± 25	
30-60	65 ± 25	
60-100	60 ± 30	

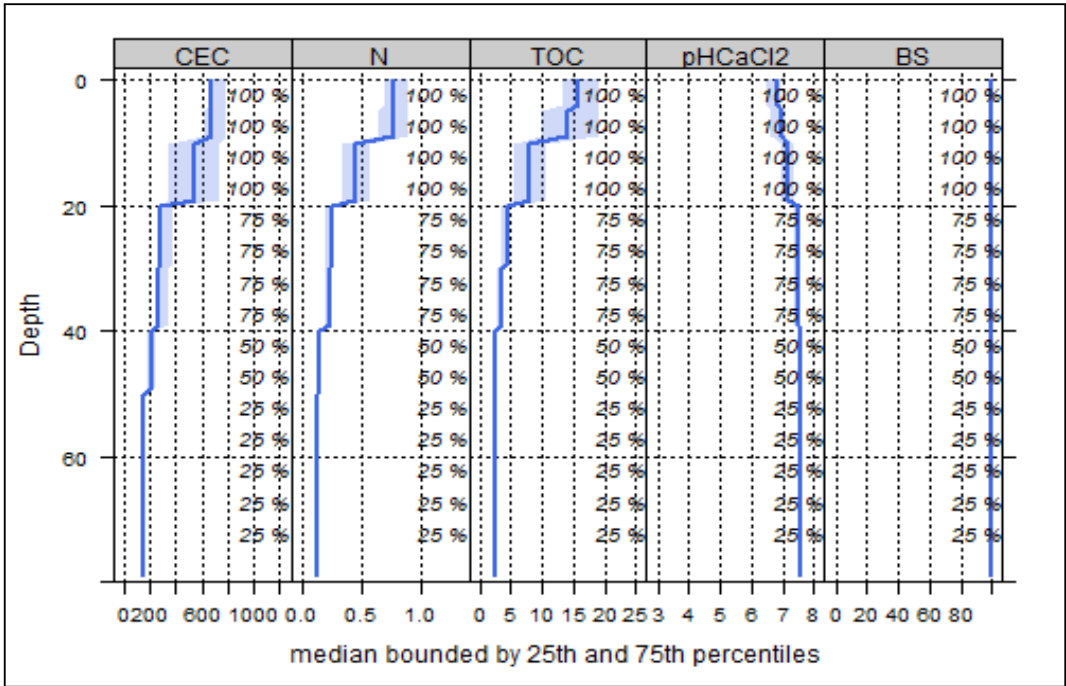
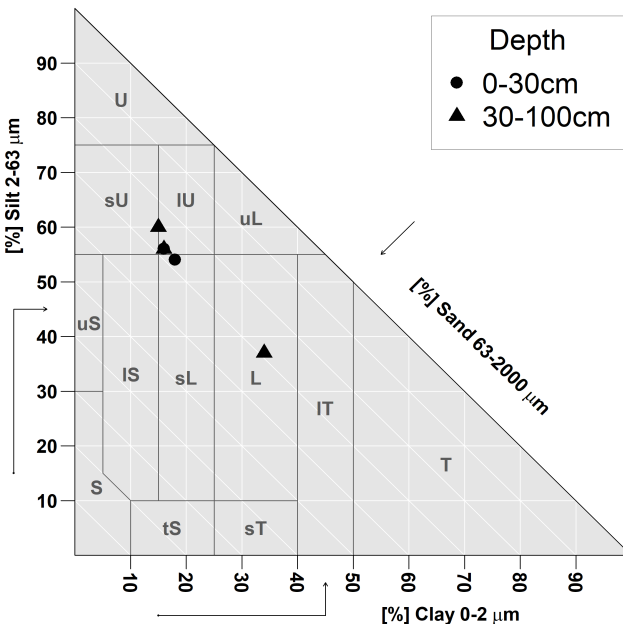
Carbon, nitrogen and nutrient stocks (1)

Ctot	Ntot	Ca	Mg	K	P
t/ha	t/ha	kg/ha	kg/ha	kg/ha	kg/ha
227.4	11.68	25289	3402	192	2817

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	pH _{CaCl2}
0-5	780.79	99.97	0.99	0.81	16.9	20.86	6.6
5-10	733.79	99.97	1	0.76	15.2	20	6.75
10-20	546.85	100	1	0.47	8.5	18.09	7.12
20-40	331.22	100	0.99	0.22	3.7	16.82	7.42
40-80	179.2	100	0.99	0.14	2.56	18.29	7.59



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



Intermediate negative effects

Compaction risk

Effects of transit from heavy-duty machinery



Occasionally critical