

GdS0

Debris, felsic siliceous rocks, intermediate clay minerals

Occurrence of substrate type

| | |
|--|-----------------------|
| Area | 12.58 km ² |
| Percentage on total forest mapped area | 0.26 % |

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

| Depth [cm] | Coarse fraction [%] | Field capacity [l/m ²] |
|------------|---------------------|------------------------------------|
| 0-15 | 45 ± 30 | 123± |
| 15-30 | 55 ± 25 | |
| 30-60 | 70 ± 20 | |
| 60-100 | 70 ± 20 | |

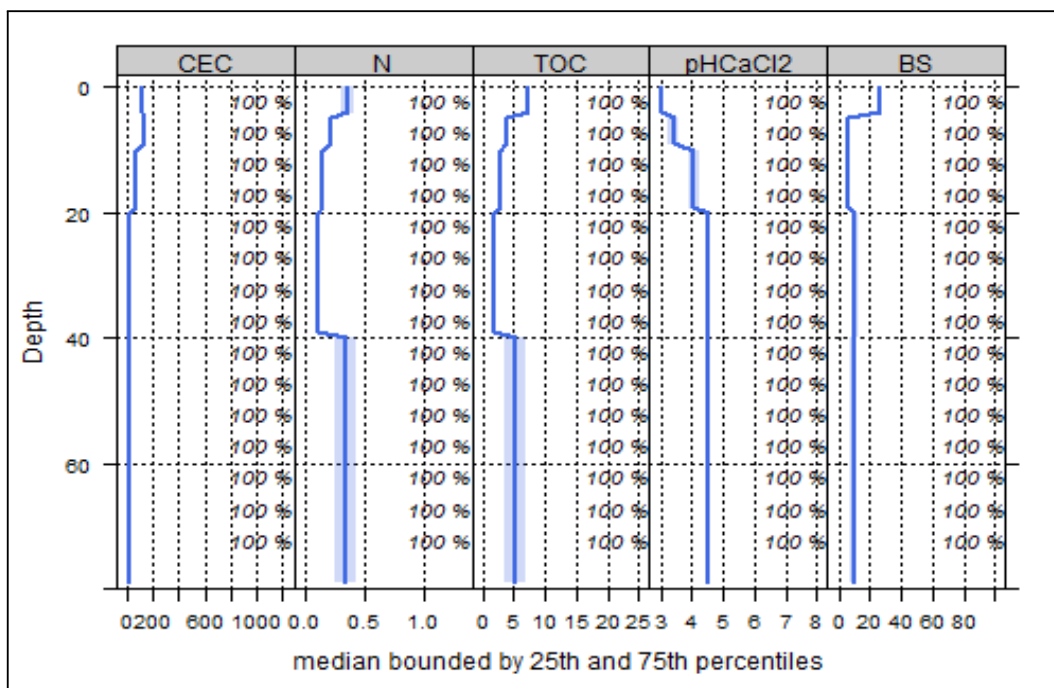
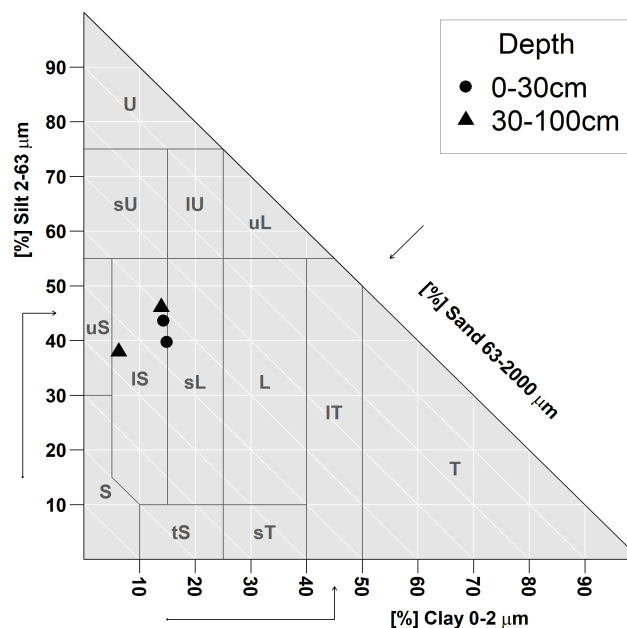
Carbon, nitrogen and nutrient stocks (2)

| C _{tot} | N _{tot} | Ca | Mg | K | P |
|------------------|------------------|--------|-------|-------|---------|
| t/ha | t/ha | kg/ha | kg/ha | kg/ha | kg/ha |
| 204.32 | 10.68 | 319.65 | 81.92 | 117.6 | 2125.43 |

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)

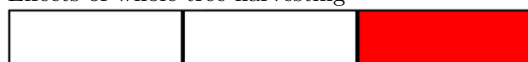
| Depth [cm] | CEC [mmol/kg] | Base Saturation [%] | (Mg+Ca)/CEC | N _{tot} [%] | TOC [%] | C/N | pH _{CaCl2} |
|------------|---------------|---------------------|-------------|----------------------|---------|-------|---------------------|
| 0-5 | 115.42 | 25.81 | 0.22 | 0.36 | 7.26 | 20.17 | 3 |
| 5-10 | 143.09 | 5.55 | 0.04 | 0.21 | 3.96 | 18.86 | 3.4 |
| 10-20 | 77.57 | 5.27 | 0.03 | 0.15 | 2.72 | 18.13 | 4.05 |
| 20-40 | 24.7 | 10.46 | 0.05 | 0.11 | 1.8 | 16.36 | 4.55 |
| 40-80 | 26.26 | 9.42 | 0.05 | 0.34 | 5.24 | 15.41 | 4.5 |



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



Minor negative effects