

TxI-

till, intermediate siliceous rocks, pure

General parameters

| | |
|--|----------------------|
| Area | 41.1 km ² |
| Percentage on total forest mapped area | 0.85 % |

Physics - mean values of all considered profiles (8)

| Depth [cm] | Coarse fraction [%] | Field capacity [l/m ²] |
|------------|---------------------|------------------------------------|
| 0-15 | 25 ± 20 | 97 ± 31 |
| 15-30 | 35 ± 15 | |
| 30-60 | 55 ± 20 | |
| 60-100 | 65 ± 10 | |

Chemistry - stock of available profiles (0)

| Ctot | Ntot | Ca | Mg | K | P |
|------|------|-------|-------|-------|-------|
| t/ha | t/ha | kg/ha | kg/ha | kg/ha | kg/ha |
| | | | | | |

All stock values, 0-80 cm including humus layers (F,H), are short term available, except for phosphorus, which has long term availability

Chemistry - mean values of all considered profiles (5)

| Depth [cm] | CEC [mmol/kg] | Base Saturation [%] | (Mg+Ca)/CEC | Ntot [%] | TOC [%] | C/N | pH _{CaCl2} |
|------------|---------------|---------------------|-------------|----------|---------|-------|---------------------|
| 0-5 | 108.49 | 17.17 | 0.15 | 0.33 | 6.94 | 21.03 | 3.6 |
| 5-10 | 108.49 | 17.17 | 0.15 | 0.33 | 6.94 | 21.03 | 3.6 |
| 10-20 | 50.57 | 18.36 | 0.16 | 0.2 | 4.38 | 21.9 | 4.18 |
| 20-40 | 36.04 | 22.57 | 0.18 | 0.16 | 3.26 | 20.38 | 4.34 |
| 40-80 | 31.24 | 27.87 | 0.23 | 0.16 | 2.98 | 18.62 | 4.44 |

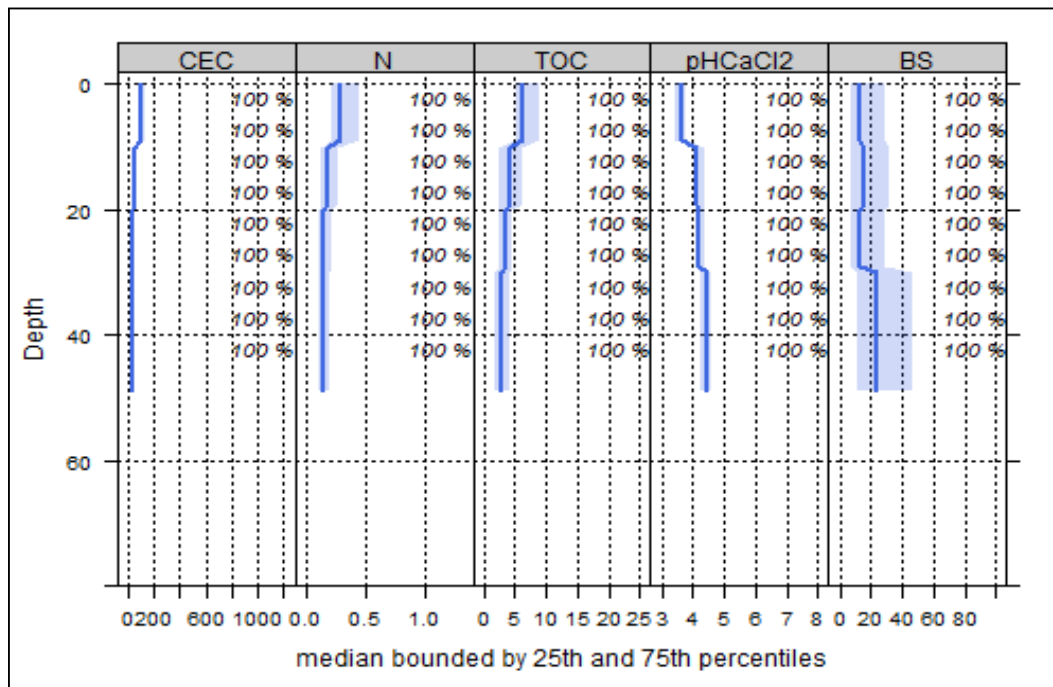


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%). The percentage values indicate how many profiles contribute to the median calculation at each depth step.

Biomass use

Effects of whole-tree harvesting



Strong negative effects

Compaction risk

Effects of the transit of heavy-duty machinery



Occasionally critical