

# TxC-

Moraine, siliceous-carbonate rocks, poor in clay minerals

## Occurrence of substrate type

|  |                      |
|--|----------------------|
| Area                                   | 9.48 km <sup>2</sup> |
| Percentage on total forest mapped area | 0.19 %               |

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

| Depth [cm] | Coarse fraction [%] | Field capacity [l/m <sup>2</sup> ] |
|------------|---------------------|------------------------------------|
| 0-15       | 20 ± 10             | 98 ±                               |
| 15-30      | 50 ± 20             |                                    |
| 30-60      | 80 ± 20             |                                    |
| 60-100     | 75 ± 10             |                                    |

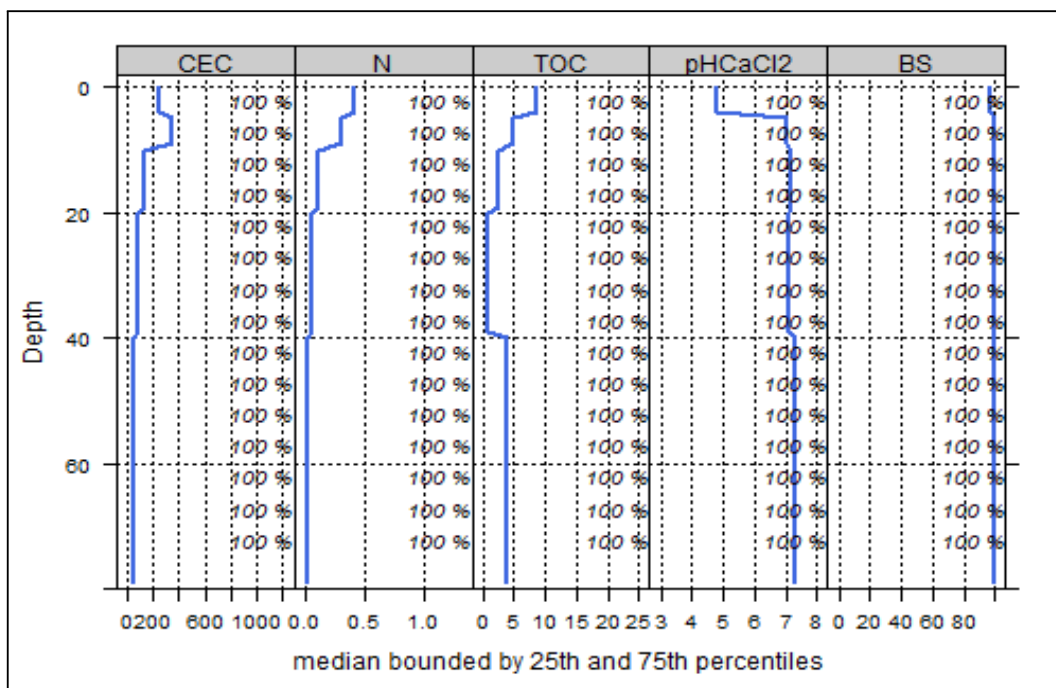
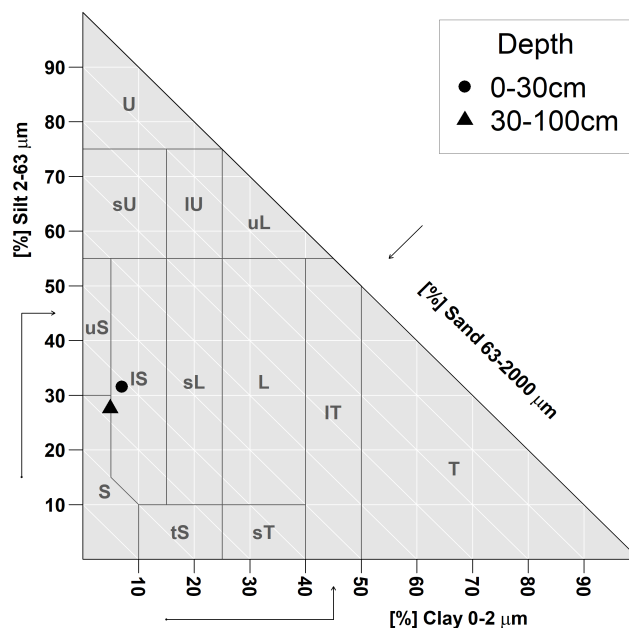
## Carbon, nitrogen and nutrient stocks (1)

| C <sub>tot</sub> | N <sub>tot</sub> | Ca      | Mg      | K      | P       |
|------------------|------------------|---------|---------|--------|---------|
| t/ha             | t/ha             | kg/ha   | kg/ha   | kg/ha  | kg/ha   |
| 144.35           | 4.41             | 6568.95 | 1563.63 | 272.22 | 1633.95 |

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 (1)

| Depth [cm] | CEC [mmol/kg] | Base Saturation [%] | (Mg+Ca)/CEC | N <sub>tot</sub> [%] | TOC [%] | C/N    | pH <sub>CaCl2</sub> |
|------------|---------------|---------------------|-------------|----------------------|---------|--------|---------------------|
| 0-5        | 249.81        | 96.87               | 0.96        | 0.42                 | 8.46    | 20.14  | 4.8                 |
| 5-10       | 355.13        | 99.94               | 1           | 0.31                 | 4.99    | 16.1   | 7.04                |
| 10-20      | 141.85        | 99.97               | 0.99        | 0.12                 | 2.35    | 19.58  | 7.17                |
| 20-40      | 80.95         | 99.97               | 0.98        | 0.06                 | 0.76    | 12.67  | 7.07                |
| 40-80      | 47.54         | 99.99               | 0.93        | 0.03                 | 3.98    | 132.67 | 7.31                |



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