



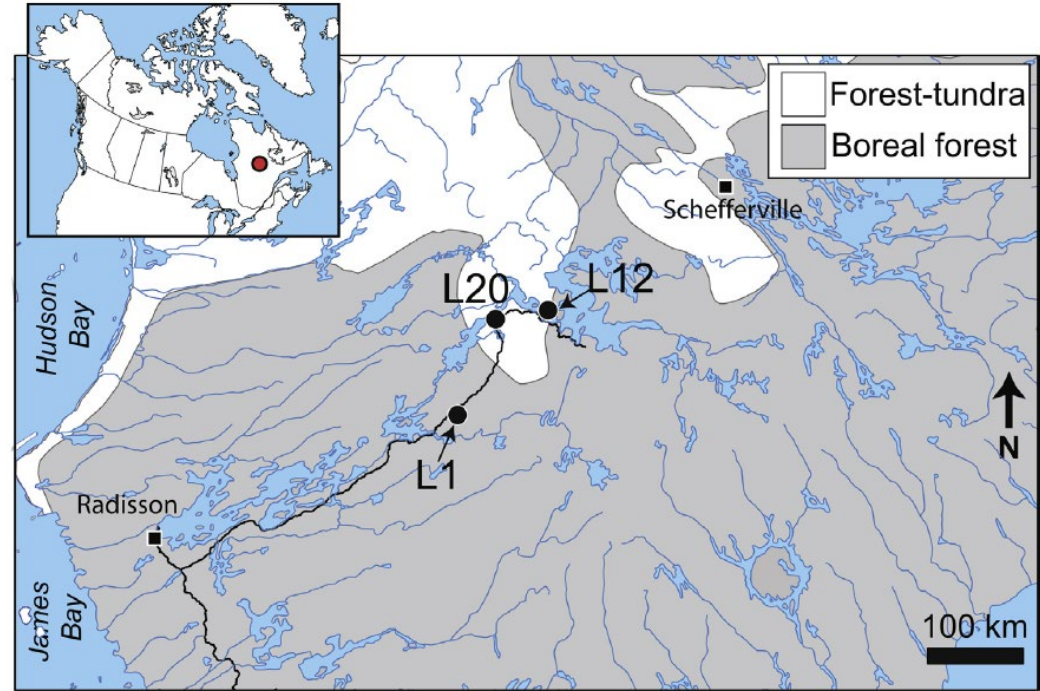
ECL7202 – DENDROECOLOGY

1.3 – Dendroecological sampling



Steps

1. Site and tree selection

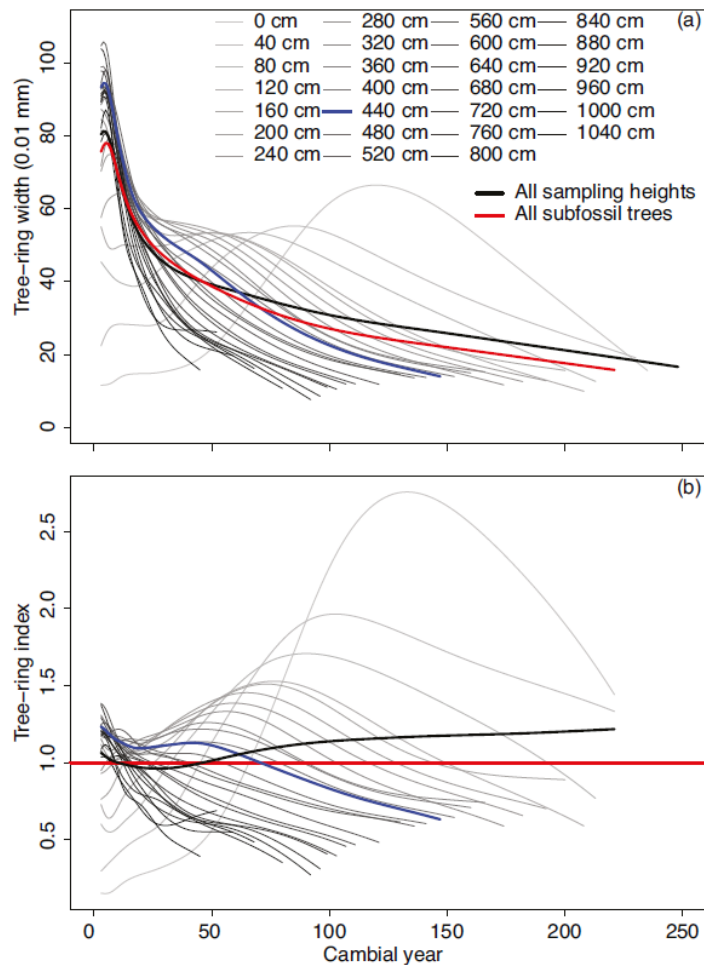


Autin, J., Gennaretti, F., Arseneault, D., & Bégin, Y. (2015). Biases in RCS tree ring chronologies due to sampling heights of trees. *Dendrochronologia*, 36(November 2015), 13–22. doi: 10.1016/j.dendro.2015.08.002



Steps

1. Site and tree selection



Autin, J., Gennaretti, F., Arseneault, D., & Bégin, Y.
(2015). Biases in RCS tree ring chronologies due
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36(November 2015), 13–22. doi:
10.1016/j.dendro.2015.08.002

Steps

1. Site and tree selection
2. Collection of samples

Sample for interannual growth analysis:

A- Pressler borer

<https://www.youtube.com/watch?v=lwfi2HXGDJO>

<https://www.youtube.com/watch?v=OMQPDzuXYo0>

https://www.youtube.com/watch?v=_uFnOSFYPUk

B- Transversal sections with chainsaw

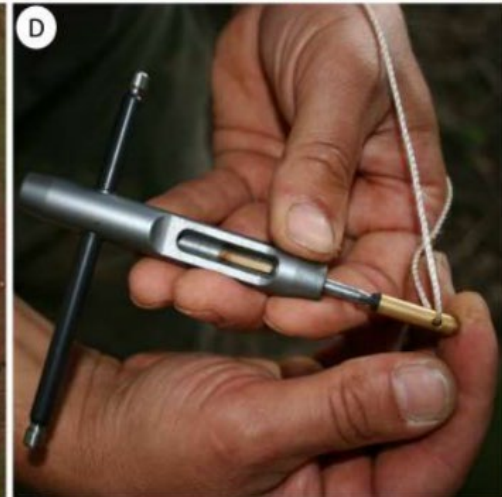
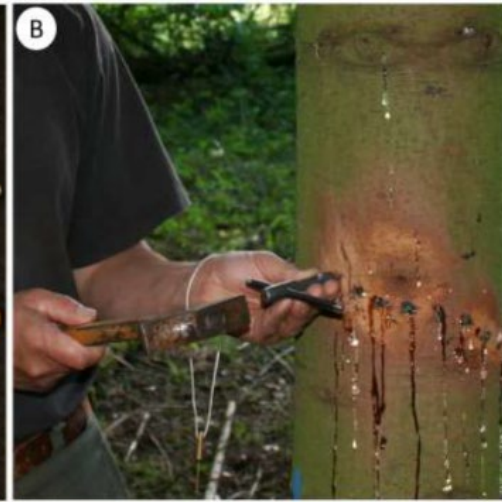
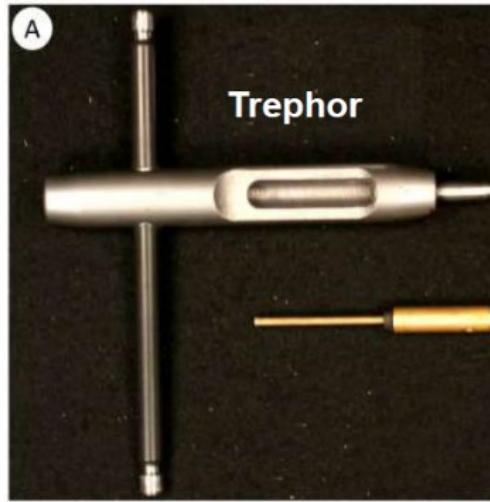


Steps

1. Site and tree selection
2. Collection of samples

Sample for intra-annual growth analysis :

- Trepbor



Steps

1. Site and tree selection
2. Collection of samples
3. Drying and sanding

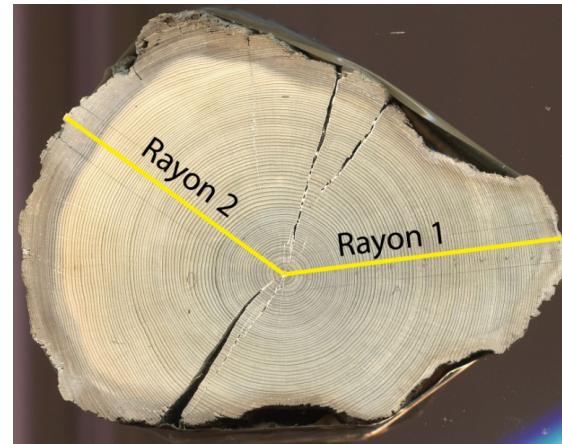


<https://www.youtube.com/watch?v=qgeP8SV70rE>

Steps

1. Site and tree selection
2. Collection of samples
3. Drying and sanding
4. Image capture and tree-ring measurements

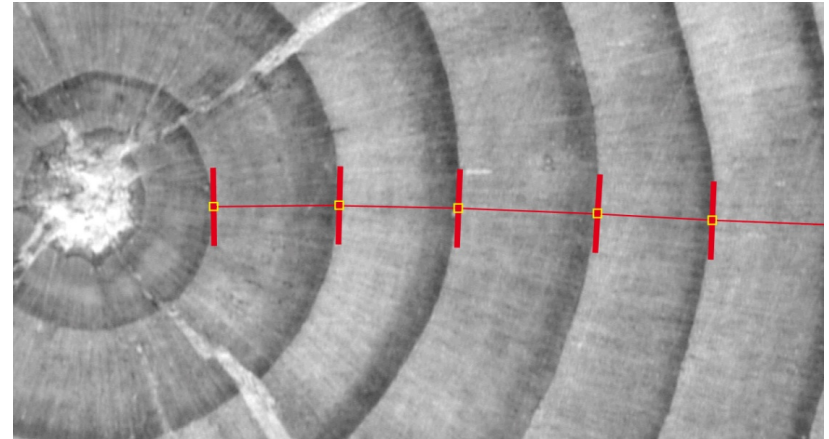
Option 1. Velmex measuring table



Ray
selection

Option 2. Software for measuring tree-rings on the screen:

- Coorecorder (<http://www.cybis.se/>)
- WinDENDRO (<https://regentinstruments.com/>)
- OSM (<http://www.sciem.com/>)



Steps

1. Site and tree selection
2. Collection of samples
3. Drying and sanding
4. Image capture and tree-ring measurements
5. Crossdating

Logiciels pour l'interdatation:

- CDendro (<http://www.cybis.se/>)
- PAST5 (<http://www.sciem.com/>)
- COFECHA

