
**Dendroclimatology in Atlantic Canada:
ringing the past out of trees**

COLIN P. LAROQUE

*Mount Allison Dendrochronology Laboratory, Department of
Geography, Mount Allison University, Sackville, NB, E4L 1A7.
<claroque@mta.ca>*

Tree-ring analysis is a useful technique able to illuminate many areas of paleoenvironmental research. Most regions of Canada have been investigated to some degree using dendrochronological methods, but by far the least studied region is Atlantic Canada.

This presentation will highlight positive and negative aspects of conducting dendrochronological research within the Atlantic Coast region with an emphasis on understanding past climates. Results from initial work establishing long-term chronologies will be discussed, as well as unique methodological approaches incorporating tree-ring samples from several sources. Extensive historical and paleobotanical sources are probably the only means of extending tree-ring records back far enough to produce the kind of long-term annual-resolution models common elsewhere in Canada. By using these methods, useful proxy models of climate can finally be developed for the region to more fully understand past environments, and to better predict future climates through regional and global circulation models.
