

Dendroclimatic Field Work in Northern Canada

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I am requesting supplementary funds to collect tree-ring samples from northern Quebec this summer (July-August 1997). The TRL is involved in an ongoing project to sample trees at latitudinal and alpine treeline sites for temperature-related dendroclimatic studies. This research has in the past yielded reconstructions of hemispheric-scale temperature variability dating back to the 1600s (Jacoby and D'Arrigo 1989, D'Arrigo and Jacoby 1993). Such reconstructions are valuable in that they extend the available instrumental record by several centuries, providing a long-term perspective for recent, possibly anthropogenic changes. They also provide independent time series for comparison with climate model estimates based on prescribed solar, volcanic and other forcings (e.g. D'Arrigo et al. 1997).