
MSc or PhD student position in forests, soils, and climate change

Are you interested in how Canada's forests are being impacted by climate change? Would you like to be part of the team working on the solutions for forest adaptation to climate change? If so, we have an exciting collaborative research opportunity for student research with Natural Resources Canada, the Ontario Ministry of Natural Resources and Forestry, and Lakehead University.

The project will include fieldwork at the Petawawa Research Forest in the biodiverse Great Lakes St Lawrence Forest region. Large scale research trials are underway to learn how new silviculture and forest management approaches will contribute to forest ecosystem resistance and resilience to climate change (e.g., increasing drought, wildfire, and pest infestations), and when existing forests cannot thrive under changing environments, how to facilitate the transition to new biological communities. The research at the Petawawa Research Forest is part of the larger international *Adaptive Silviculture for Climate Change (ASCC) Network*. There will be great opportunities for the student to network professionally with a diverse range of research partners in Ontario, Canada, and abroad. The student project will focus on greenhouse gas emissions from carbon-rich forest soils at the Petawawa Research Forest. It will also help determine how different soils help or hinder broader forest ecosystem adaptation to climate change to inform future forest management decisions.

The student will be enrolled in the MSc-Forestry or the PhD-Forest Sciences program at Lakehead University in beautiful Thunder Bay on the northwestern shore of Lake Superior (the world's largest freshwater lake), and work closely with researchers in Sault St. Marie at Natural Resources Canada (Canadian Forest Service and the Canadian Wood Fiber Centre) and the Ontario Ministry of Natural Resources, and at the Petawawa Research Forest in the Ottawa River Valley of Eastern Ontario. Funding for the position (minimum of 2y for MSc-F or 4y for PhD) will include an annual graduate research stipend of at least \$21,500 (above tuition and other mandatory fees at Lakehead) and all research expenses including for fieldwork and other research-related travel.

For more information, please connect with team members:

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Dr. Trevor Jones (trevor.jones@NRCan-RNCan.gc.ca) , Research Scientist at Natural Resources Canada- Canadian Wood Fiber Centre <https://cfs.nrcan.gc.ca/employees/read/trjones>

Dr. Eric Searle (eric.searle@ontario.ca), Research Scientist at the Ontario Ministry of Natural Resources and Forestry- Ontario Forest Research Institute <https://www.ontario.ca/page/forest-research>