

An overview of forest research across Canada

Forest research in Canada is dynamic and carried out from coast to coast to coast. The research is done by and through partnerships within federal, provincial and territorial governments, not-for-profit organizations, and educational institutions like colleges and universities.

Over the past century, research across diverse fields has deepened our understanding and developed tools to enhance sustainable forest management (SFM) and forest conservation. Forest research has also provided crucial insights to help address challenges like climate change.

The following pages highlight a selection of forest research facilities and initiatives which illustrate the diversity of forest research that is conducted throughout Canada. The map shows Natural Resources Canada's (NRCan) research facilities. NRCan conducts forest research in different regions through forestry centres and research forests that are managed by the Canadian Forest Service (CFS). The locations of these facilities are shown on the map, along with short descriptions of their main research areas.

1

Pacific Forestry Centre, Victoria, BC

Priorities:

- Forest entomology and pathology
- Wildfire science and research
- Forest inventory and monitoring
- Climate change
- Economic and market research

2

Northern Forestry Centre, Edmonton, AB

Priorities:

- Boreal ecosystem ecology
- Climate change and forest research
- Land reclamation
- Wildfire science and research

3

Great Lakes Forestry Centre, Sault Ste. Marie, ON

Priorities:

- Forest pests
- Climate change
- Wildfire science and research
- Forest ecosystem research

4

CFS office, National Capital Region

5

Laurentian Forestry Centre, Québec, QC

Priorities:

- Forest pests
- Ecosystem dynamics
- Forest productivity
- Ecogenomics
- Wildfire science and research
- Managing the Valcartier Forestry Research Station

5a Valcartier Forestry Research Station, located 35km north of Québec, QC

Established in 1934, this station has 25 active experimental facilities. The three main research areas include forest genomics, climate change and forest biomass.

6

Atlantic Forestry Centre, Fredericton, NB and Corner Brook, NL

Priorities:

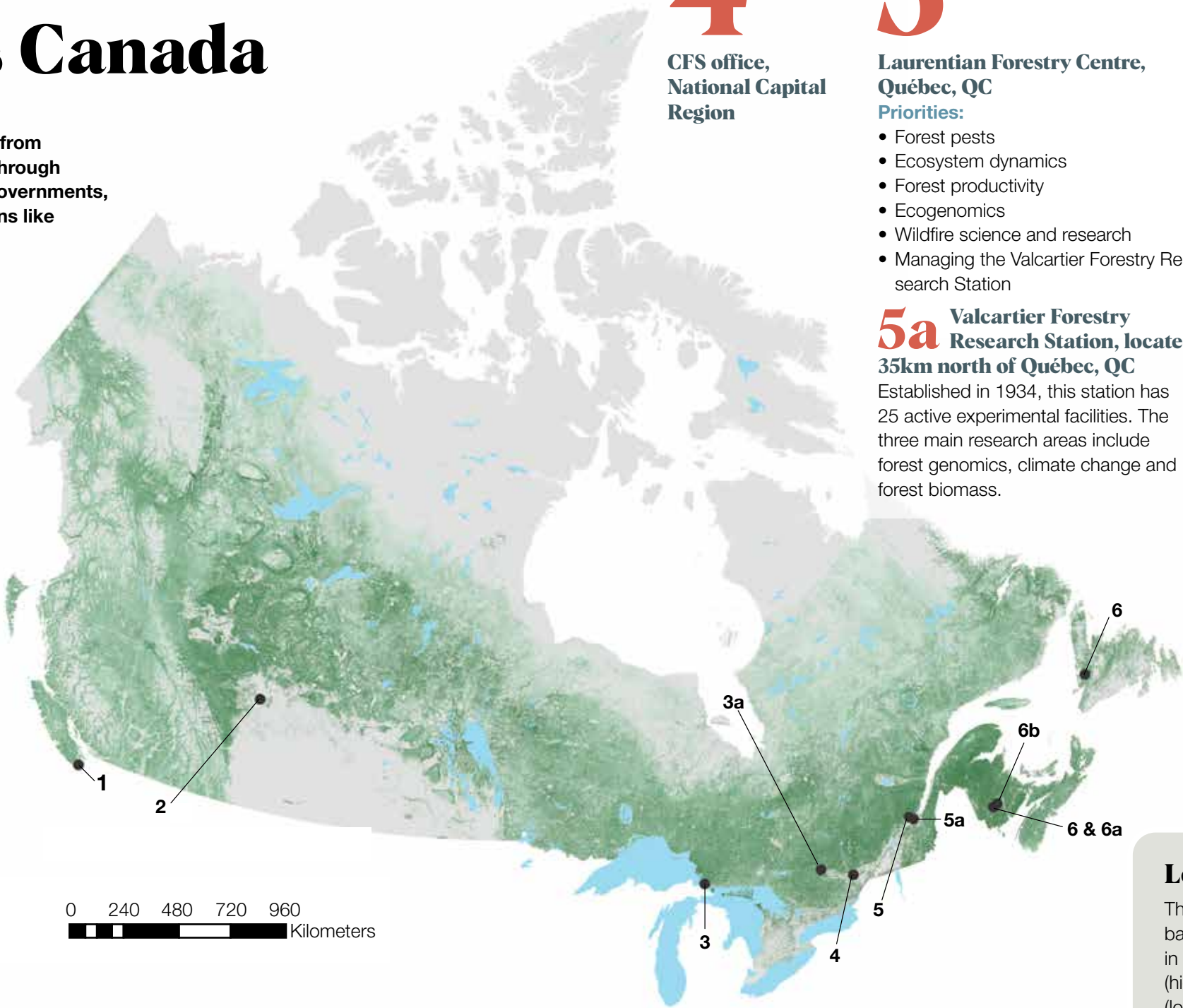
- Native and alien forest pests
- Forest inventory and ecosystem-based management
- Climate change risk and adaptation
- Forest genetic resources and biodiversity
- Wildfire science and research
- Managing the National Tree Seed Centre and the Acadia Research Forest

6a National Tree Seed Centre, located at the Atlantic Forestry Centre

The centre is home to more than 13,000 unique seed collections from 200 tree and shrub species. It is the only national seed bank preserving the genetic diversity of Canada's forests.

6b Acadia Research Forest, located 20 km northeast of Fredericton, NB

Established in 1933, it is one of the oldest and longest-running research forests still operating in Canada. It is a demonstration, training and education facility dedicated to applying SFM principles, managing timber resources, and protecting wildlife habitats and species at risk.



Legend

The background map displays Canada's forest cover based on the most recent data. Forests are represented in a gradient of green, going from darker for denser forests (high canopy closure) to lighter for more open forests (low canopy closure).

Forest areas

High (100%)	Non-forested areas
Low (10%)	CFS research facilities