

CNC's Impact on Forestry and Natural Resources in Northern BC.

Selected Highlights: Applied Research, Education & Innovation

The College of New Caledonia (CNC) is a hub for higher education in Northern British Columbia, serving the communities surrounding Prince George, Mackenzie, Vanderhoof, Fort St. James, Quesnel, the Lakes District, and McBride–Valemount.

CNC fosters innovation, enhances the skilled workforce, and develops research infrastructure to support sustainable resource management, advanced technologies, and economic diversification throughout the future of Northern BC.

CNC Conducts **Applied Research for BC's North**

- **Applied Research Leadership:** CNC is a college that conducts **applied research**, with a focus on solving unique challenges and opportunities of Northern BC.
 - **CNC Research Forest** – 12,500 ha of forest land is **dedicated to forestry/natural resources research, innovation and education**.
 - **Forestry and Ecosystem Research:** CNC projects **advance understanding** of local forest ecosystems, management practices, and product innovation.
 - **Cutting-Edge Technology:** A new research lab, with the help of a \$170,775 NSERC grant, will use terrestrial and **aerial Light Detection and ranging (LiDAR) scanners, multi-spectral cameras, satellite imagery, and drones to transform** forest stewardship, wildfire management, and natural resource monitoring.
 - **Research Forest Society:** Since 2019, CNC's Research Forest Society has invested \$690,000 in **ecosystem restoration and community environmental projects** across the region.
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CNC's Students **Recognized for Excellence**

- CNC Trade and Technology students consistently achieve **provincial and national recognition** in trades and technology:
 - Annabelle La Londe — **Gold Medal**, 2024 Skills Canada BC (Industrial Mechanic/Millwright).

- Dusty Cathcart — **Gold Medals** at the 2019 Skills Canada National Competition and the 2022 Skills Canada BC.
- Alex Tranq – 2nd Place, 2017 Canadian Applied Research and Technology Report Contest (Evaluating planted western larch in Prince George for future timber management)
- College of New Caledonia & Dunkley Lumber Research Forest Partnership – 2016 North American Silver (STEM) Winner, Global Best Awards,
- **CNC graduates contribute directly to Northern BC's resource economy**, advancing careers in forestry, trades, health care, and technology.
- CNC's educational offerings link classroom learning with **hands-on research, ensuring students graduate ready** for real-world impact.

CNC's Innovation & Technology Investments Prepare Students and Strengthen Regional Research

- Advanced **LIDAR and UAV/drone systems** for precision forestry.
- **Digital mapping labs** with GIS, CAD, and Revit training.
- A **\$15-million Heavy Mechanical Trades Training Centre** (federal-provincial partnership), creating 90 construction jobs and expanding training capacity for 300+ students.

CNC Builds Strong Northern Partnerships

- CNC collaborates with the **Ministry of Forests, industry, First Nations, and communities** to align education and research with workforce needs. CNC students benefit from **transfer agreements with 10 universities**, enabling bachelor's completion while staying rooted in Northern BC.
- CNC's partnerships ensure applied research translates into tangible benefits for **communities and employers across the 117,500 km²** service area.

Would you like to know more about CNC's research, innovation, and educational offerings in forestry and natural resources and how **your community or organization can benefit?**

Get in Touch! Contact us at: research@cnc.bc.ca.