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BIOMASS MAPPING INITIATIVE – INFORMATION ON A FUNDED PROJECT

British Columbia—Building a reliable provincial biomass atlas

Improved datasets on large amounts of unused forest biomass in British Columbia will support forest management planning for communities and bioeconomy ventures.

PROJECT TITLE

The British Columbia Forest Fibre Atlas:
Integrating ground-truth field data with a
predictive biomass mapping platform

ORGANIZATION

Province of British Columbia—Ministry of
Forests

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This project will create the British Columbia Forest Fibre Atlas, a province-wide tool showing where forest biomass is located and how accessible it is. Field crews will collect updated measurements, particularly in wildland fire-affected landscapes, to enhance the accuracy of remote-sensing datasets.

Data will be combined with harvest records, cost models, and accessibility layers to estimate biomass availability across British Columbia. The atlas will include a delivered-wood cost calculator, a wildland fire-opportunity layer, and tools to identify promising sites for bioenergy facilities.

By offering reliable, user-friendly information, the project reduces investment risk, supports wildland fire-salvage planning, and helps communities and First Nations explore clean-energy opportunities.

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