



Outlook for the next phase of the project

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Pacific Institute
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Natural Resources Canada
Canadian Forest Service

Managing BC's Forest Sector to Mitigate Climate Change:
Future Options for Emission Reductions

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Natural Resources
Canada

Ressources naturelles
Canada

Canada

Forest Carbon Management Project

- Five year project
- Funding to March 2019
- Examples of the ongoing activities include:

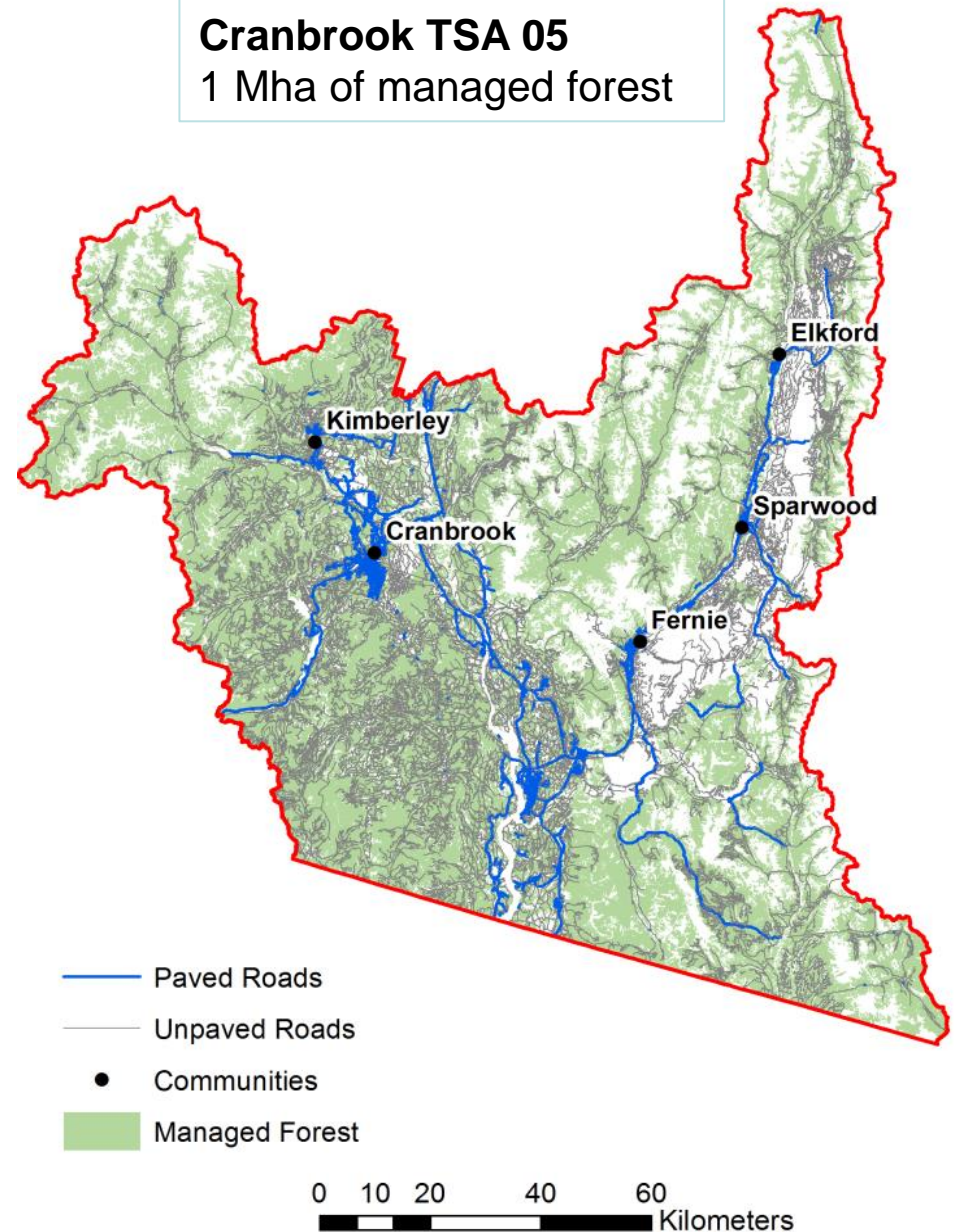
Refinement of Analyses

- Continue to seek feedback on input data, assumptions, and results.
- Conduct additional analyses to improve understanding of mitigation options and scenarios.
- Conduct sensitivity analyses of assumptions with uncertain parameters (e.g. magnitude of substitution benefits).

Spatially-explicit mitigation analyses

Spatially-explicit simulations will enable estimation of climate change impacts on growth and mortality and improved estimation of (transportation) costs and other indicators

Cranbrook TSA 05
1 Mha of managed forest



Continue interaction with other PICS projects

- Built environment and the use of wood products
- Energy futures and the contributions of biomass and bioenergy
- Potential contribution to liquid biofuels for long-range transportation

Climate Change Impacts

- Implement climate sensitive growth and mortality module in CBM-CFS
- Continue with analyses of climate change impacts, risks and opportunities.
- Assess impacts of climate change on outcomes of mitigation activities.
- Design regionally-differentiated mitigation strategies that support both mitigation and adaptation goals.

Policy Analyses and Stakeholder Engagement

- Ongoing consultation with stakeholders across BC
- Conduct analysis of policy options
- Develop policy recommendations based on results of modelling and policy analyses and stakeholder feedback

Synthesis and Integration

- Prepare science-policy notes to communicate key issues related to forest sector mitigation in BC
- Continue with scientific publications, dissemination of results, and presentations.
- Considering “end of project” symposium to share results.

Outline a vision for BC forests sector contributions to decarbonization

- Achieving the legislated goal of 80% GHG emissions reduction by 2050 will require mitigation actions.
- BC is in a unique situation: forests are mostly owned by the crown, ~12 hectares per person
- BC has a well-developed forest sector, and expertise in forest management.
- This project will explore a future vision of how BC's forest sector can contribute towards emission reductions and meet other objectives of society.

10 steps towards forest sector mitigation

- Grow more trees, faster, to increase carbon stocks
- Avoid land-use change (deforestation)
- Use harvested trees first for long-lived products
- Maximize carbon retention in harvested wood products and reduce wood waste at every stage
- Maximize avoided emissions through wood use
- Do not burn residues or waste unless energy is captured
- Conserve forests in areas of high conservation value and of low risk of natural disturbance
- Anticipate climate change impacts and align mitigation and adaptation objectives
- Monitor consequences of management actions
- Seek public support to use forest sector in climate change mitigation strategies

Conclusions

- BC's forest sector can make a significant contribution to mitigating climate change, which increases if mitigation actions start soon and are sustained into the future.
- Implementation of mitigation actions requires:
 - investments into BC's publically-owned forests.
 - monitoring to report outcomes and emission reductions.
- Reporting documents contributions to mitigation and increases transparency and accountability of forest management.
- PICS research will continue to identify how the forest sector can support BC's transition to a low-carbon economy.

Questions and Feedback



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