THE LOGGING LOOPHOLE

How the Logging Industry's Unregulated Carbon Emissions
Undermine Canada's Climate Goals







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Photo Credit: River Jordan for NRDC



CARBON: The Boreal Is the most carbon-dense forest on the planet.

- Per Acre, it stores about twice as much carbon as the Amazon forest
- In its entirety, it stores nearly twice as much carbon as all of the world's recoverable oil reserves combined!

Boreal Boons:

BIODIVERSITY: The Boreal has immense value for species, including billions of birds that nest there every year and iconic Canadian species such as Caribou.



RECONCILIATION: The Boreal encompasses the traditional territory of many Indigenous Peoples and is therefore critical to reconciliation in Canada



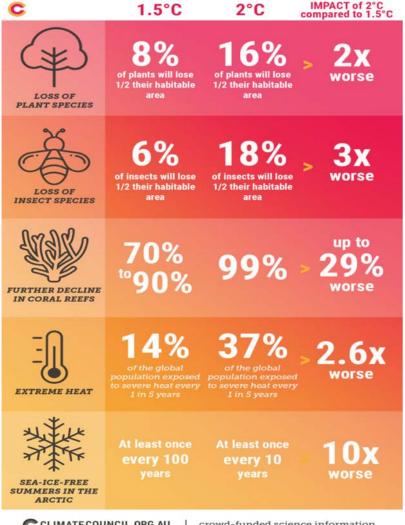
For the first time, the Government of Canada has created a meaningful plan to support NBCS:

Achieve 30 million tonnes of greenhouse gas emission reductions through nature-based climate solutions by 2030;

Plant 2 billion net additional trees over 10 years;

Protect 30 percent of Canada's Lands and oceans by 2030.





1.5°C (not 2°C) is THE threshold

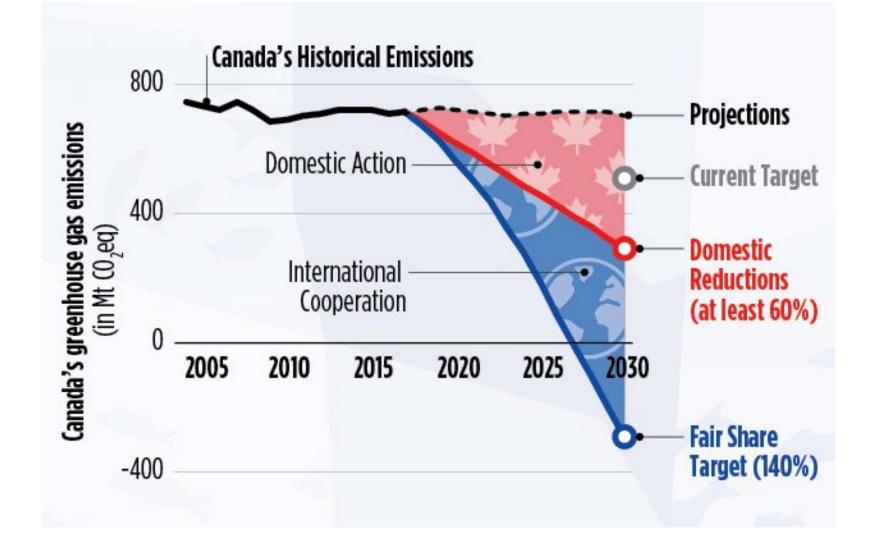
- Hundreds of millions more humans impacted: displacement, poverty, food/water insecurity
- Many more species and even entire ecosystems at risk



To limit warming to 1.5°C

Global GHG emissions must decline 7.6% every year between 2020 and 2030





Need "all of the above" approach

To tackle the climate crisis, need to address:

- Energy-related GHGs
- Ecosystem/agr carbon
- Planting trees is not the only nature-based climate solution
- Nature-based solutions not enough



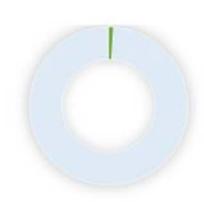
NATURE HAS BEEN THE FORGOTTEN SOLUTION (UNTIL 2019)



25% of the problem



30% of the solution



1% of the conversation

Adapted from Nature4Climate

A Logging Loophole:

Is the way we log undermining our Climate Goals?

Industrial logging = net GHG emitter

Canada can be a global leader in sustainability and NBCS if the logging loophole is addressed.

Forestry could be compatible with a sustainable future, but needs to undergo a transformation.



We need to close the logging loophole





The Continued Role of the Forestry Industry

2 main issues:

- No regulation to reduce the logging industry's carbon emissions
- Inaccurate accounting of carbon emissions from logging

No Regulation of Logging Industry's Emissions

-Insufficient regulation of activities, such as road building in wetlands

-No carbon pricing

-Effects:

- Logging industry has no incentive to adopt climate and environment - friendly management tools.
- Logging industry's significant carbon emissions remain unmitigated.





Recommendation: Regulate/Price Emissions

Logging emissions need to be integrated into the Greenhouse Gas Pollution Pricing Act to promote climate-friendly forest management practices.

- Protect high-carbon areas
- Longer harvest rotations,
- Avoiding full-tree logging,
- Relying more on selective harvesting and facilitating regeneration centred on biodiversity and climate considerations.

Revenue should be reinvested into Indigenous-led land management and helping communities

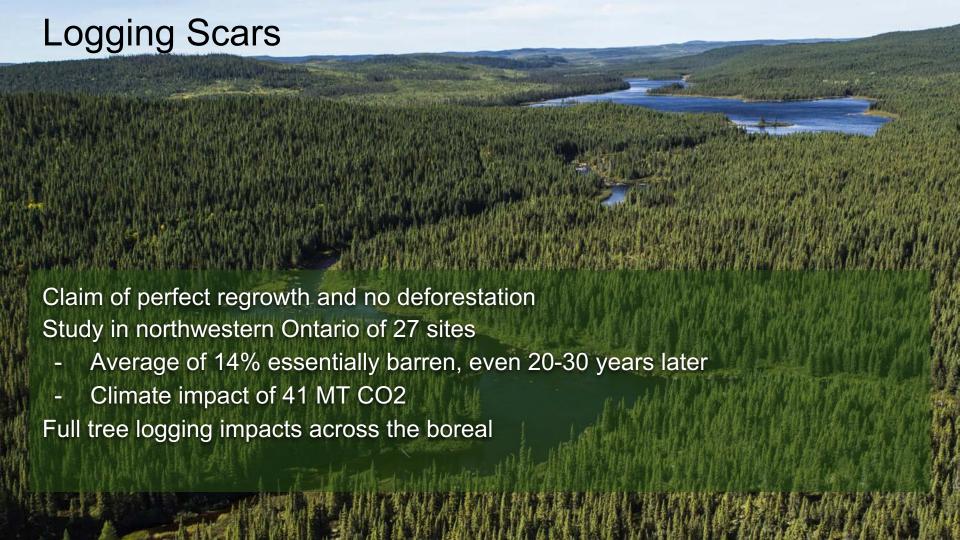
Underestimating Carbon Emissions

Canada's carbon model downplays significant logging impacts, resulting in a significant underestimation of net emissions.

The following are some significant items that prevent full transparency:

- The forest does not fully recover from logging activities
- The model to estimate emissions of logging activities is conservative
- Accounting for carbon absorption from the entire forest obscures the increasing negative climate impacts of logging.







Conservative Estimates

No accounting for mosses

- Both federal and provincial

Soil carbon estimates use conservative assumptions

 Potential "Pandora's Box" of emissions

Resilience impacts--degraded forests are more susceptible to climate impacts (insects, wildfires)



Harvested Wood Products

Embedded in Canadian policy as a climate solution

- Both federal and provincial Important caveat to HWPs: they provide a climate benefit only under very strict conditions
 - E.g. perfect regrowth

Much of what the logging industry is producing is short-lived (toilet paper, newsprint)

Close the Logging Loophole

Bring industrial logging's emissions within a carbon pricing regime, just like the fossil fuel industry

- Reinvest in communities
- Incentivize climate-friendly practices

Fully account for industrial logging's emissions

- Better monitor and integrate forest recovery
- Advance soil carbon studies, and adopt precautionary principle



Protecting Intact Forests

Intact/Primary Forests:

- A forest free of any significant human footprint.
- These plants, animals, fungi, insects, etc. of these forests have interacted over a very long time-period, developing complex relationships.
- These forests have much higher biodiversity and value for the climate.

Recommendation:

Integrate carbon-rich intact regions of managed forests to reach the 30% protected areas target.

Less than 10% of the boreal's carbon stores are currently protected.

Indigenous-led Land Management:

- Strengthens Indigenous cultures and reconciliation efforts,
- Is correlated with better protection for forest carbon, healthier ecosystems, and higher biodiversity

Recommendation:

- Invest in Indigenous-led land management
- Fund such programs out of diverted logging subsidies, carbon pricing, etc.



