

Natural Climate Solutions for Canada

Nature can deliver immediate impact in Canada's fight to tackle the climate crisis, reveals landmark science led by Nature United.

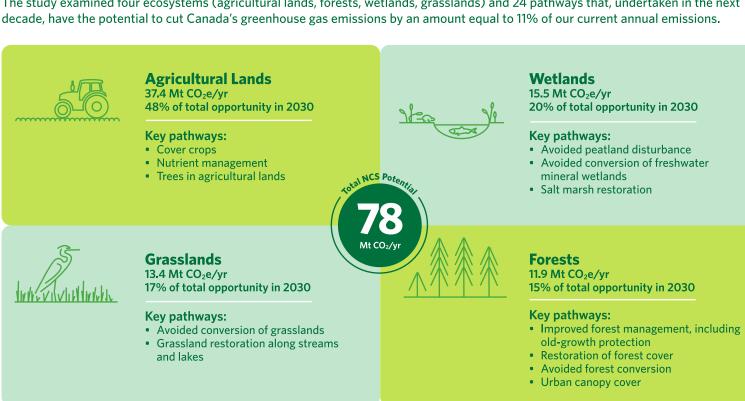
By protecting, better managing and restoring nature, Canada can reduce its greenhouse gas emissions by up to **78 Mt** CO₂e annually in **2030**.





Potential in Canada

The study examined four ecosystems (agricultural lands, forests, wetlands, grasslands) and 24 pathways that, undertaken in the next



deliver significant long-term mitigation. By 2050, these forests will store large amounts of carbon and the planted trees will be growing fast enough to offer substantial mitigation potential.

Immediate actions to restore forests by planting trees can

Forests and Tree Planting: Long-Term Benefits

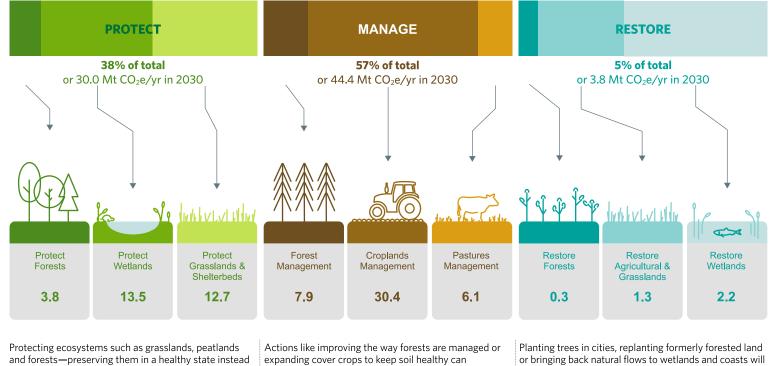




Natural Climate Solutions are actions taken to protect, manage or restore nature to help reduce greenhouse gas emissions. For example,

Protect, Manage, Restore

we can protect or keep existing forests intact so that stored greenhouse gases aren't emitted into the atmosphere. We can manage forests—that is, conserving carbon-rich old forests, enhancing the rate of trees growing after logging and producing long-lived wood products like building materials. And we can restore previously lost forests by planting new trees. Each of these actions help mitigate climate change by allowing nature to store and sequester more carbon.



Powerful and Cost Effective

of converting them to other intensive uses and avoiding

the release of greenhouse gasses—promises cost-

benefits like improved habitats for animals.

effective mitigation potential and delivers important

The study highlights actions that are cost effective with several of the pathways available at less than \$50 per tonne of CO₂e. Many

significantly increase the amount of carbon sequestered

by forests and fields. They can also sometimes reduce

operating costs or provide new revenue streams to

foresters, farmers and ranchers.

RESTORE

also increase carbon capture. These actions can support

construction, engineering and conservation jobs in the

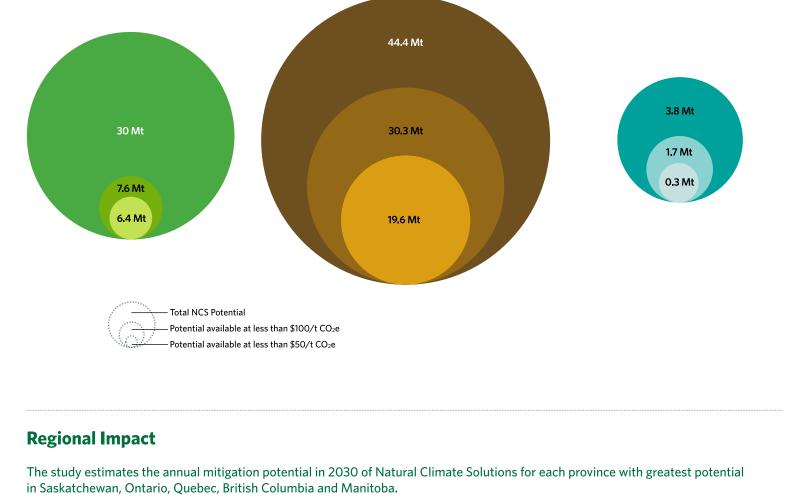
short term and deliver strong mitigation and habitat

benefits in the long term.

of these opportunities are also available now. Protection, restoration and management pathways would create new jobs and provide alternative revenue streams to farmers, ranchers, foresters, and Indigenous communities to help stimulate our economy.

PROTECT 44% available at less than \$50/t CO2e 21% available at less than \$50/t CO₂e 8% available at less than \$50/t CO₂e 68% available at less than \$100/t CO₂e 53% available at less than \$100/t CO₂e 25% available at less than \$100/t CO2e

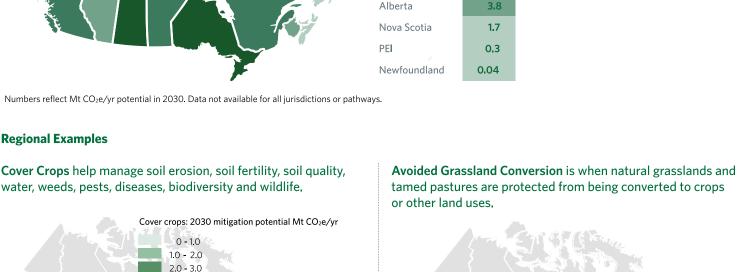
MANAGE



British Columbia 6.8 Manitoba New Brunswick 5.0

Saskatchewan Ontario

Ouebec



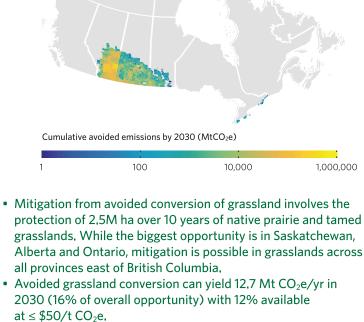
3.0 - 4.0Labels indicate (Mt CO₂e/yr/ha)



the most annual mitigation per ha from expansion of cover crops.

15.4

10.3 8.4



This pathway protects the soil carbon bank and is a previously

unappreciated opportunity in terms of its magnitude.

towards reducing emissions.

The Way Ahead Prioritizing Natural Climate Solutions as part of an integrated climate change strategy that includes innovations in clean energy and

other efforts to decarbonize the world's economies is vital for meeting Canada's 2030 targets and reaching net-zero emissions by 2050. Canada must invest now in protection, management and restoration strategies across all ecosystems to achieve the biggest impact

Sign up for updates at natureunited.ca/naturalclimatesolutions

