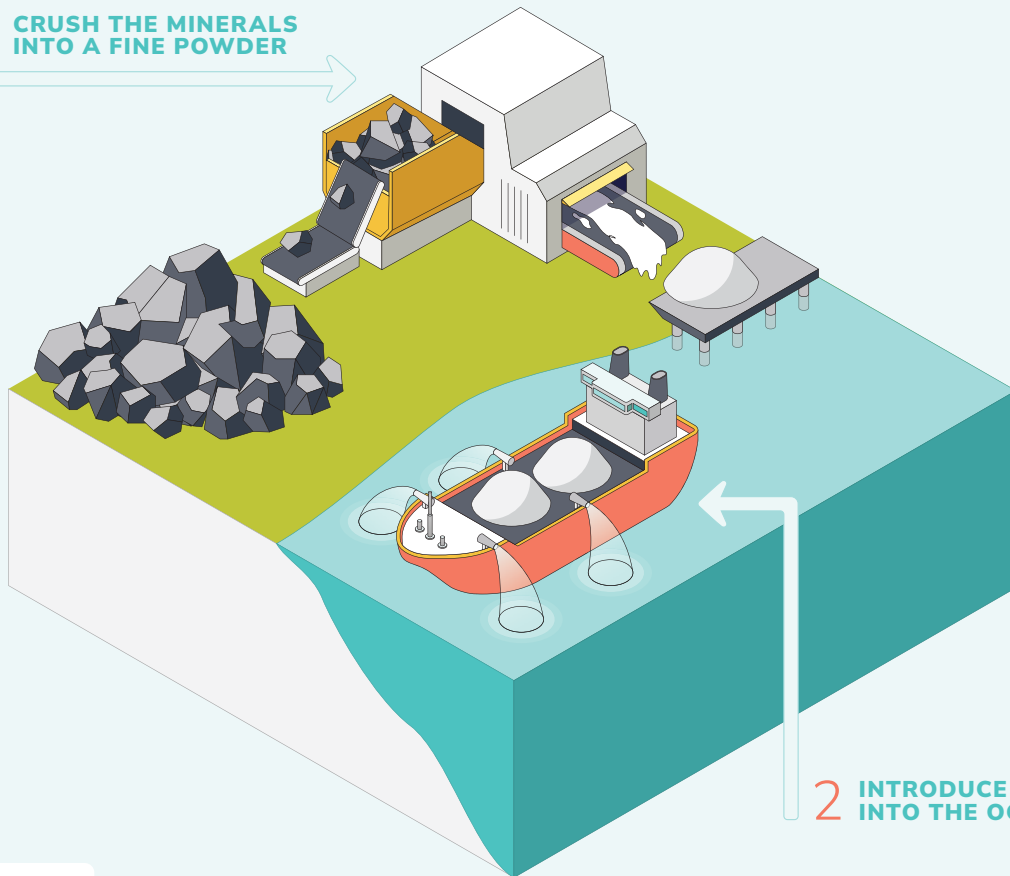


# Turning the tide with ocean carbon removal

We can't solve climate change without carbon removal

## Ocean Alkalinity Enhancement

1 CRUSH THE MINERALS INTO A FINE POWDER



2 INTRODUCE MINERALS DIRECTLY INTO THE OCEAN OR RIVERS

### QUICK FACTS

Future Estimated Cost: \$40 - 260 per tonne of CO<sub>2</sub>

Potential 2050 Global Capacity: ~1 - 100 billion tonnes of CO<sub>2</sub> per year

Jobs Associated with 20Mt CO<sub>2</sub> Removal Per Year: 4,500 - 6,000 temporary jobs and 13,000 - 17,500 permanent jobs

## What is carbon removal?

Carbon removal is the process of cleaning up carbon dioxide (CO<sub>2</sub>) already in the atmosphere and storing it away for centuries or longer. Even if we cut emissions significantly, Canada cannot reach net-zero without also scaling carbon removal solutions to counterbalance any residual emissions. Beyond net-zero, carbon removal can help tackle historical emissions and turn back the clock on the worst impacts of climate change.

## What is Ocean Alkalinity Enhancement?

Ocean alkalinity enhancement is the process of adding naturally-occurring minerals to the ocean to act as an antacid, storing the carbon already present in seawater in a safe form and allowing the oceans to pull more carbon out of the air. With the longest coastlines of any country in the world, Canada has the unique opportunity to enhance the ocean's natural ability to remove and store carbon away for millennia.

