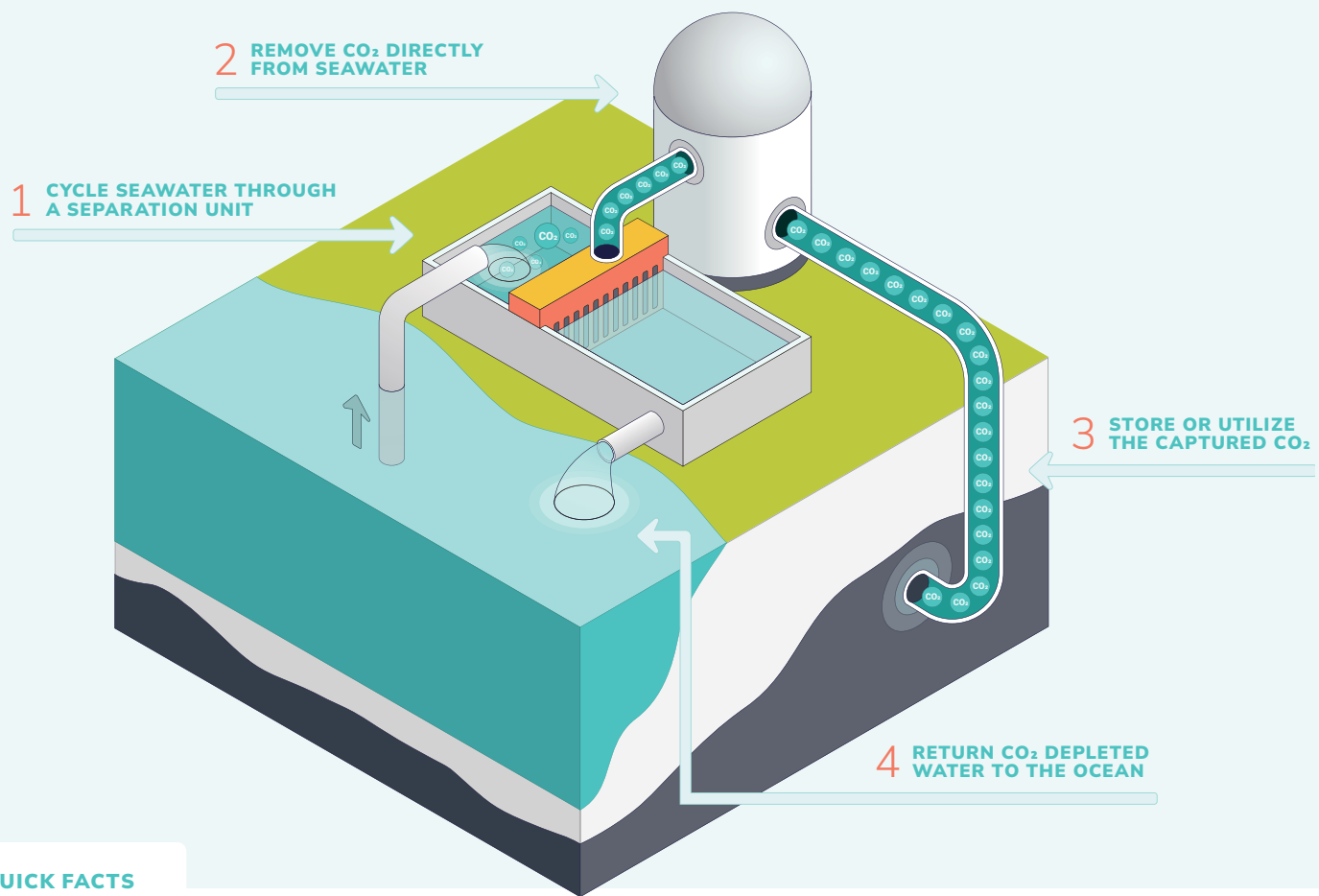


# Carbon removal can restore fish habitats

We can't solve climate change without carbon removal

## Direct Ocean Removal



### QUICK FACTS

Future Estimated Cost: \$100 - >350 per metric ton of CO<sub>2</sub>

Potential 2050 Global Capacity: ~0.1 - >1 billion metric tons of CO<sub>2</sub> per year

Jobs Associated with 20Mt CO<sub>2</sub> Removal Per Year: 6,500 - 9,000 temporary jobs and 4,500 to 7,000 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 Direct Ocean Removal (DOR)?

Our oceans and rivers are like sponges constantly pulling CO<sub>2</sub> out of the atmosphere. However, that causes them to become more acidic — negatively impacting water quality and harming marine life. DOR technologies act like water purifiers, separating CO<sub>2</sub> and storing it underground. This can improve local water quality and fish habitats, making Canada's fisheries healthier.

