

Cairns Airport Blue Carbon Financing Model

Yirrganydji
Rangers

Cairns Airport

We acknowledge the Traditional Owners of the land on which we're presenting and where we work.

Overview

Why Blue Carbon *Importance to Traditional Owners, Far North Queensland, and Cairns Airport*

Our Project *Methods, and results*

Financing Model *North Queensland Airport's Sustainability Linked Loan*



Approximately half of airport landholdings is maintained as natural area. Most of this area is mangrove forest.



Mangroves' blue carbon in Kukujum



Mangroves from Kukujum sequester approximately **2,042 tonnes CO₂e yr⁻¹**



Mangroves

Area extent
302 ha

Above ground stocks
98 tonnes C ha⁻¹

Below ground stocks
29 tonnes C ha⁻¹

Soil carbon stocks
280 tonnes ha⁻¹

Saltmarshes

Area extent
18 ha

SOC stocks*
281 tonnes ha⁻¹

Seagrasses

Area extent
395 ha

SOC stocks*
84 tonnes ha⁻¹

*Data from Costa et al. 2023. Science in the Total Environment

Our responsibility as custodians of the natural environment

To protect our mangroves and waterways

To minimise our emissions footprint

To be a responsible neighbour

To preserve World Heritage Reef and Rainforest

2021-25 Environment Strategy and Action Plan

- 1 Become a carbon neutral, climate ready airport campus
- 2 Halve waste to landfill and contribute to a circular economy
- 3 Halve potable water use
- 4 Protect biodiversity
- 5 Sustain healthy waterways
- 6 Work with our neighbours



A photograph of mangrove roots, likely from a mangrove tree, showing a network of thick, gnarled, and weathered roots extending from the ground. A small, vibrant green seedling with two leaves is growing from one of the roots in the center. The background is dark and slightly out of focus, emphasizing the roots and the young plant.

Questions
