

Biodiverse Reforestation Carbon Offsets, Australia

Promoting biodiversity through habitat restoration and land conservation.



Forests are key allies in combating climate change, as they absorb carbon, clean and cool the air, act as natural water pumps to sustain river flows, stabilise soils, recycle nutrients for agriculture and support habitats for wildlife.

The Project

Biodiverse Reforestation Carbon Offsets play an active role in reducing atmospheric CO₂. Beyond carbon capture, this initiative rejuvenates our shared environment by promoting habitat restoration and land conservation, which in turn brings socio-economic benefits. The main planting area for Carbon Neutral is situated within , located in the northern wheatbelt of Southwestern Australia.

This remarkable region is home to a diverse array of plant and animal species, many of which are found nowhere else, placing it among the world's 36 biodiversity hotspots. In fact, it's the first hotspot of its kind to be recognised in Australia. Historically, the Yarra Yarra Corridor was blanketed with lush woodlands. However, since the arrival of European settlers in the early 20th century, more than 90% of these woodlands were cleared for agricultural purposes.

In present times, a combination of soil degradation and changing climate conditions means that parts of this land can no longer sustain traditional farming. The resulting habitat destruction has put many native species at risk.

Our ambition extends beyond mere reforestation. We strive to connect isolated patches of vegetation with larger nature reserves, creating a vibrant green corridor. This continuous stretch of greenery is pivotal for revitalising ecosystems and preserving the unique and endangered flora and fauna of the region.

Carbon Neutral assists organisations to measure, reduce and offset carbon emissions.

We are Australia's leading biodiverse reforestation 'carbon sink' developer.

To date, over 30 million mixed native species trees, plants and shrubs have been planted in .

The corridor has now restored over 21,000 ha of rural landscapes.



DELIVERING FOR THE GLOBAL GOALS

Co-benefits of the Yarra Yarra Biodiversity Project contribute to the United Nation's Sustainable Development Goals.

- 3**
GOOD HEALTH
AND WELL-BEING

Contribution to the positive mental health and well-being of indigenous communities.
- 4**
QUALITY
EDUCATION

Provision of job-specific training sessions and inductions for local employees.
- 6**
CLEAN WATER
AND SANITATION

Lowering salinity in both ground and surface waters over the project's life.
- 8**
DECENT WORK AND
ECONOMIC GROWTH

Creation of 400+ jobs, including the equivalent of 9 Indigenous FTE roles. More than 80 businesses have been engaged.
- 13**
CLIMATE
ACTION

Capture 120-380 tonnes of CO2-e per hectare over a 50-year span, varying with location.
- 15**
LIFE
ON LAND

The biodiverse plantings of native trees and shrubs contains 4 species of conservation significance.
- 17**
PARTNERSHIPS
FOR THE GOALS

Partnerships with 11 local and national organisations have been formed from the project.



Technical Information

AUDIT & MEASUREMENT

Carbon measurements and projections are independently verified by a qualified third party. This ensures that 1 carbon credit = 1 tonne carbon dioxide equivalents (CO2-e).

The Biodiverse Reforestation Carbon Offset planting sites will, conservatively, sequester 120-380 tonnes of CO2-e per hectare over 50 years, depending on location.

To project how much carbon the trees and shrubs we plant will sequester (over 50 years), Carbon Neutral uses the Australian Government's Full Carbon Accounting Model (FullCAM). This is based on a huge dataset and provides fully integrated projections of above and below ground sequestration for a carbon estimation area. This is in accordance with the Clean Energy Regulator's 'Reforestation by Environmental or Mallee Plantings Method'. The Biodiverse Reforestation Carbon Offset projects are not registered under a formal certification framework.

CLAIMING CARBON NEUTRALITY

Carbon Neutral sells Biodiverse Reforestation Carbon Offsets before full sequestration is realised. As it may be some years before actual carbon is sequestered, Carbon Neutral independently retires an equivalent number of verified carbon credits from an international project. This ensures that buyers can claim carbon offsetting and carbon neutrality.

Reforestation activities require significant upfront investment to cover land acquisition and planting costs. By purchasing Biodiverse Reforestation Carbon Offsets, you are helping to finance this ongoing planting program. Buyers can proudly promote their support of an Australian ecosystem restoration project.

CARBON CREDIT REGISTRY

Unique serial numbers for Biodiverse Reforestation Carbon Offsets are issued to each buyer. All carbon credits sold are canceled on an internal register to ensure there is no double-counting or double-selling. Our internal register is independently audited at least every five years.

LAND TENURE AND 'PERMANENCE'

All projects have a 100 year Carbon Right and Carbon Covenant registered on the land title. The Carbon Covenant details land and tree management obligations.

The carbon stored for the Biodiverse Reforestation Carbon Offset projects is 'locked up' for a period of 100 years as detailed in the Carbon Right and Carbon Covenant. Livestock are mostly excluded from planting sites to avoid damage to trees and shrubs and allow natural generation in the inter-rows.

MITIGATING FIRE RISK

Fire control measures include fire breaks, geographic separation of planting sites and light grazing of sheep to reduce fuel load.

Native tree plantings are self-regenerating. If a fire or other disturbance occurs, causing a decline in the amount of carbon stored, re-growth will be managed to allow the carbon stock to return to previously reported values.

MONITORING & REPORTING

Each planting site is independently monitored and reported for health, survival and carbon pools at least twice in the first 5 years. Planting Reports and Monitoring Reports are available on the Carbon Neutral website.