Department of
Primary Industries and Regional Development

GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$348,140 in CF-LRP funding

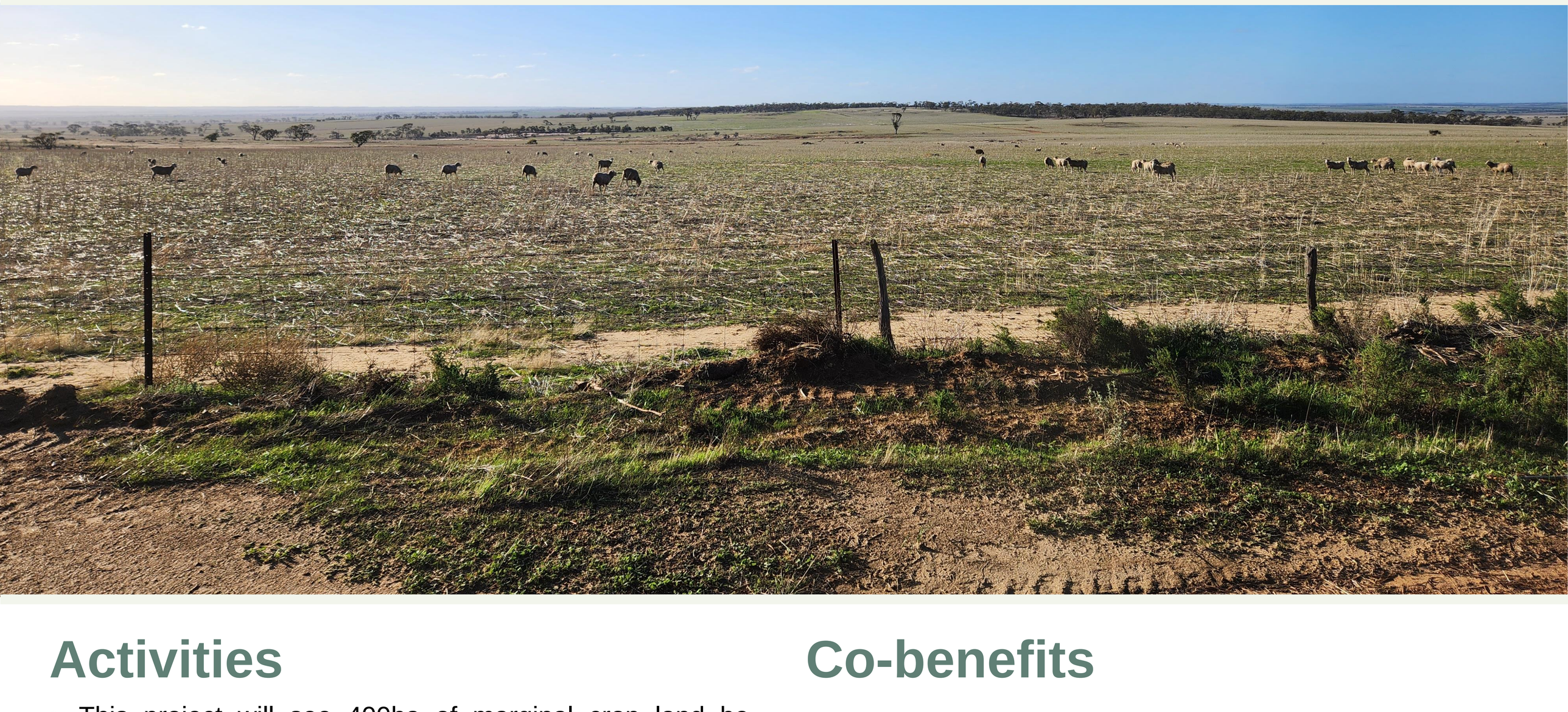
11,826 ACCUs generated

25-year permanence

Daraining Springs Project

Method: **Estimation of Soil Organic Carbon Sequestration Using Measurement and Models**

- Sustainable farm and land management to support increased soil carbon sequestration, agricultural and economic resilience



Activities

- This project will see 400ha of marginal crop land be converted to permanent pasture with control grazed (cells). It will trial soil carbon sequestration techniques in a low rainfall zone and share data with wider community
- Plant permanent pastures treated with synthetic calcium to aid deep root development, increase biomass and mitigate soil erosion
- Measure soil organic carbon, soil nutrients, soil biology, number of sheep per grazed hectare, live weight of lambs and lambing percentage.

Co-benefits

Improved soil health

Increased biomass

Improved agricultural productivity

Increased agricultural resilience

Project size: **438 hectares**

Location: **Korbel, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$166,901 in CF-LRP funding

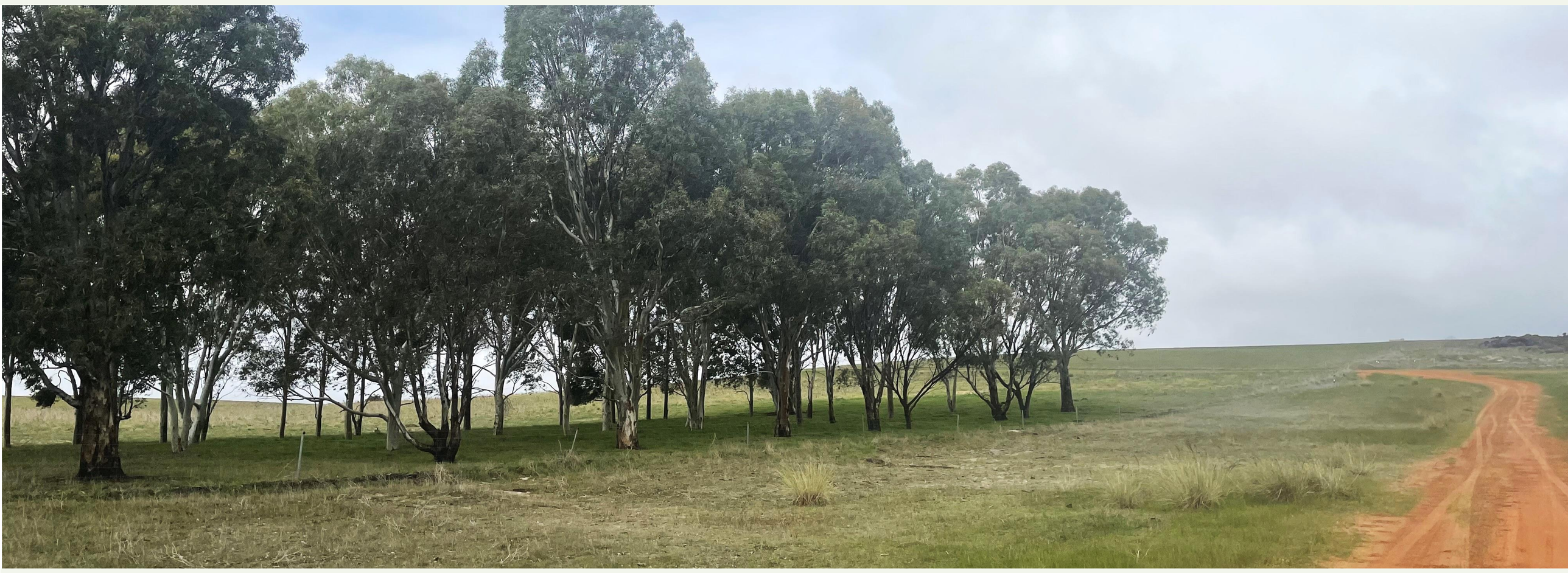
63,121 ACCUs generated

25-year permanence

GFB Grazing Soil Carbon Project

Method: **Estimation of Soil Organic Carbon Sequestration Using Measurement and Models**

- Pioneering outcomes in soil health through improved land management practices



Activities

- Pioneer the progression of soil health improvements while improving the profitability of the enterprise through improved land management practices
- Increase biodiversity using perennial pastures previously eradicated by set stocking regimes. Sub-tropical grasses and tagasaste are well adapted to the farm's deep sandy soils.
- Restore land through improved soil water infiltration, nutrient retention and plant biodiversity, increasing soil humus and essential soil nutrients to stimulate biomass and deeper root growth.

Co-benefits

Increased biodiversity

Improved agricultural productivity
Increased agricultural resilience

Improved soil health
Decreased soil erosion

Project size: **4124 hectares**

Location: **Yathroo, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$040,000 in CF-LRP funding

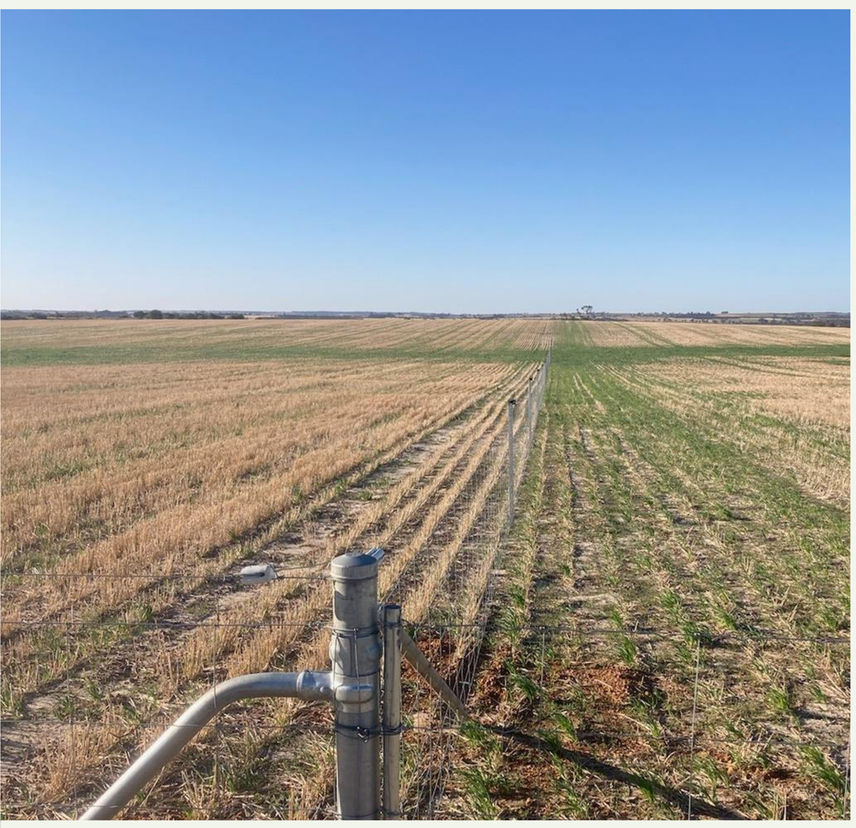
21,464 ACCUs over 25 years

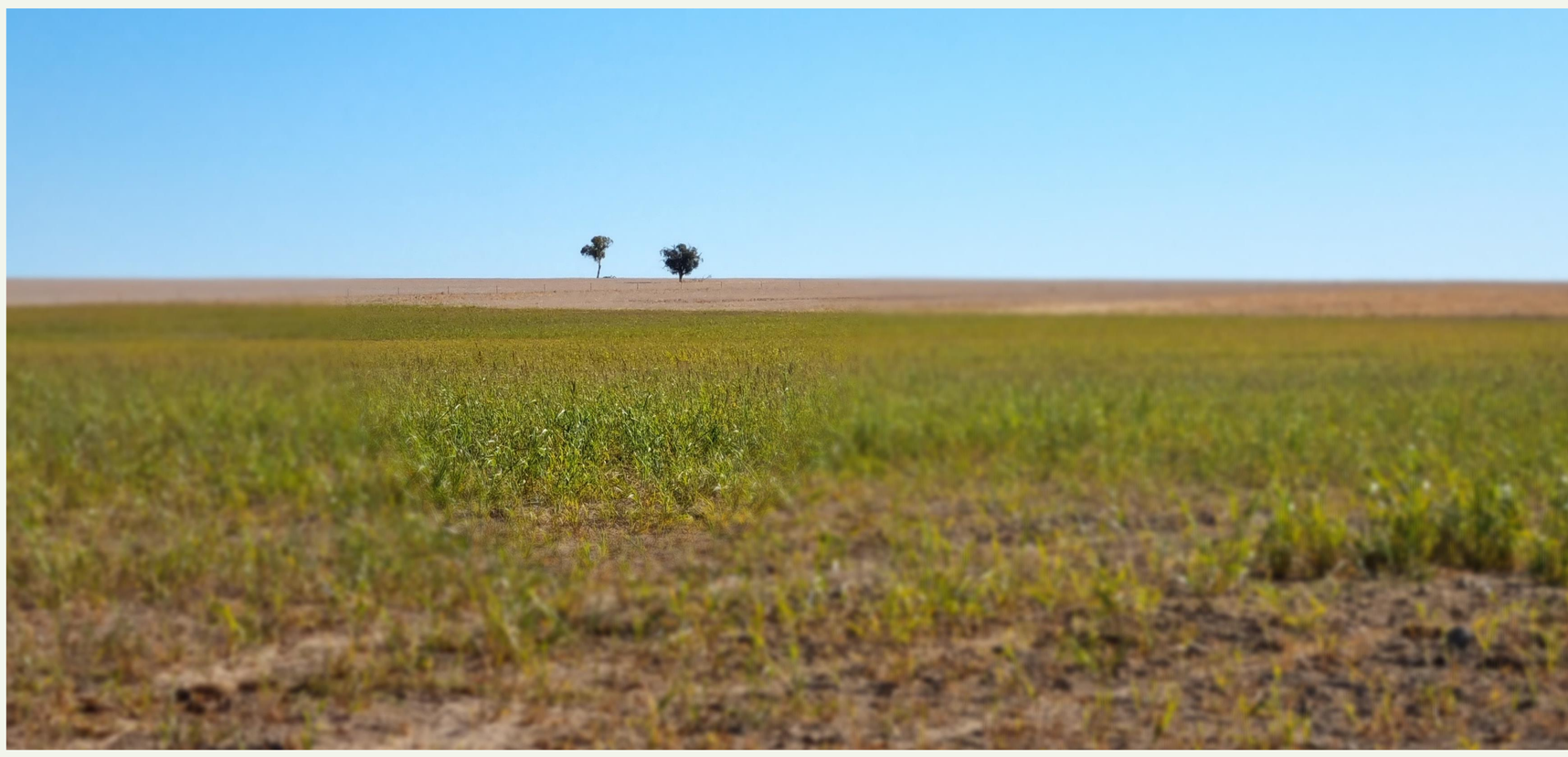
25-year permanence

Hacienda de Trigo Endemic Vegetation Carbon Project

Method: **Reforestation by Environmental or Mallee Plantings – FullCAM**

- Revegetation for biodiversity and to restore land previously used for intensive broadacre cropping and livestock grazing





Activities

- Reintroduce mixed, endemic plant species into cleared areas to connect with remnant vegetation.
- 12-month site preparation prior to planting, including fencing and weed control.
- The tree planting machine will be a sit-in Chatfield's tree planter with scalping and moulding discs and deep ripping tine.
- Infill planting will occur as required
- On-farm co-benefits include increasing biodiversity value by linking endemic planting with existing tracks of remnant vegetation and improving resilience of agricultural practices by preventing wind erosion on vulnerable light sandy soils.

Co-benefits

Increased biodiversity

Improved agricultural resilience

Decreased salinity

Decreased wind erosion

Project size: **1507 hectares**

Location: **Corrigin, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$40,000 in CF-LRP funding

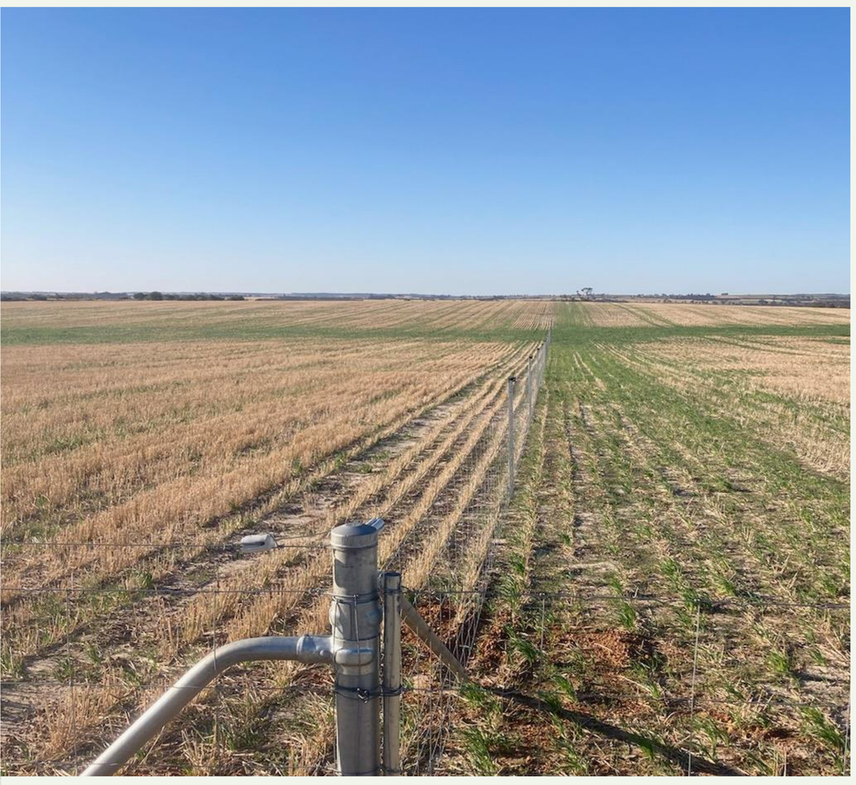
63,079 ACCUs over 25 years

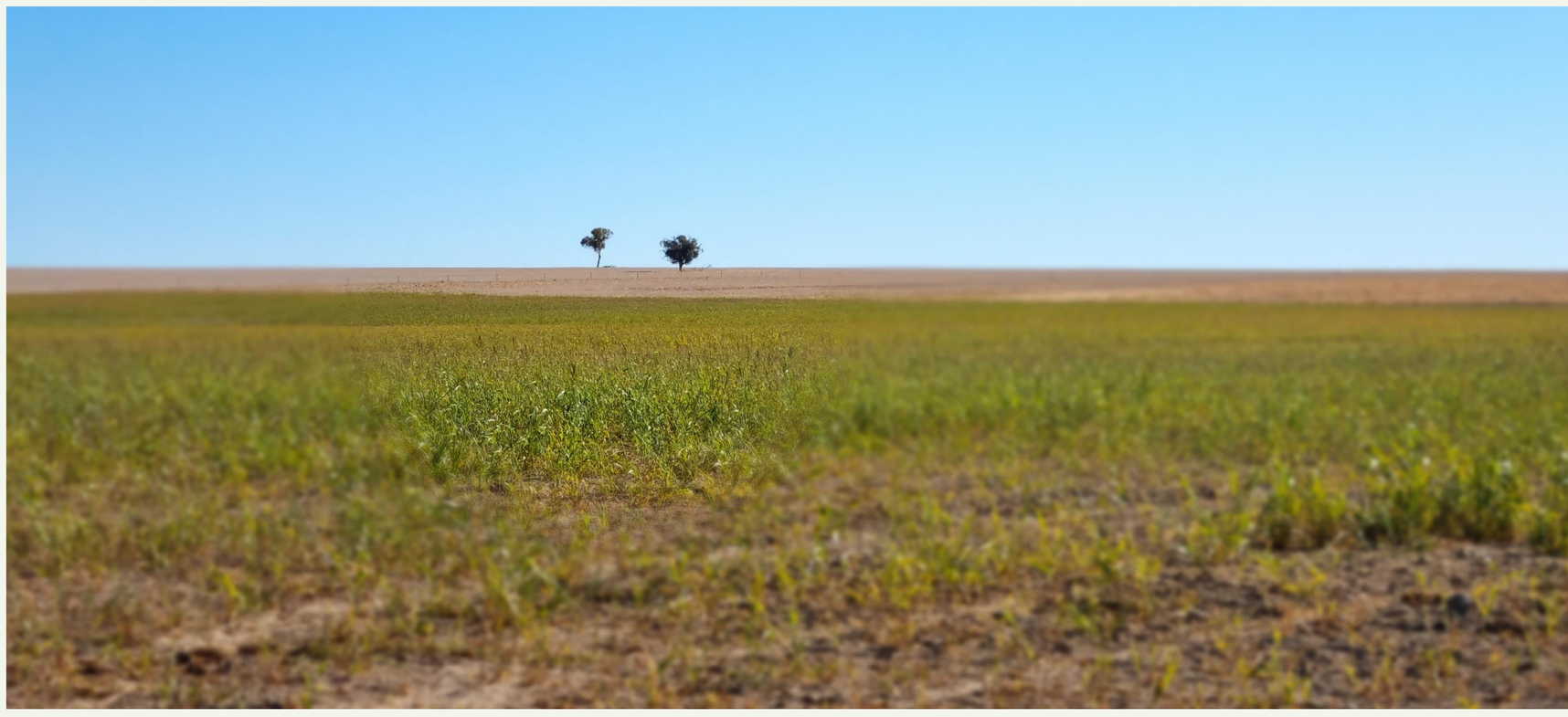
25-year permanence

Hacienda de Trigo Soil Carbon Project

Method: **Estimation of Soil Organic Carbon Sequestration Using Measurement and Models**

- Introduction of new land management practices to improve soil health and increase soil carbon sequestration





Activities

- The project aims to increase soil organic carbon levels from 0.8% to 1.3% in the top 30cm in typically sandy soil types with areas of gravel and subsoils that are typically duplex with low levels of clay content.

- The farm receives an annual average rainfall of 370mm.and has been used for intensive broad acre cropping and livestock grazing in a no tillage farming system with crop residue retention. The pasture phase has typically used a single species cereal fodder crop.

- Introduction of new soil health practices including:
  - deep ripping
  - amelioration of soil with clay, compost and manure
  - introduction of mixed legume species fodder crops such as vetch

Co-benefits

Improved agricultural resilience

Improved soil health
Decreased wind erosion

Project size: **1507 hectares**

Location: **Corrigin, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$397,950 in CF-LRP funding

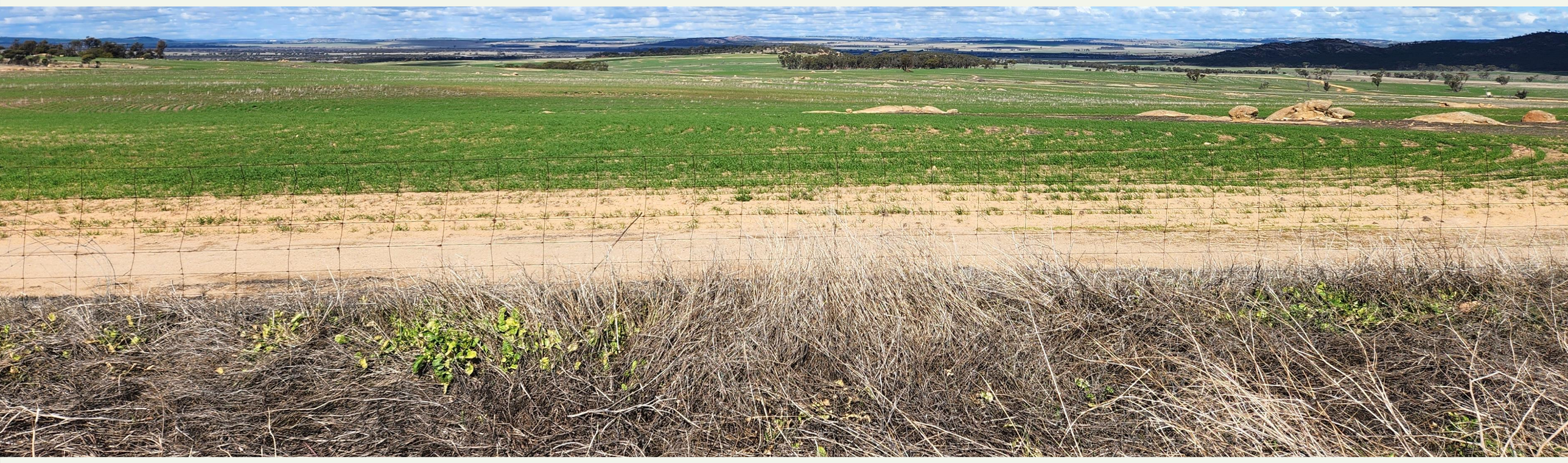
29,164 ACCUs over 25 years

100-year permanence

Lemonade Valley Biodiversity Project

Method: **Reforestation by Environmental or Mallee Plantings – FullCAM**

- Restore low-productivity farmland and conservation assets by planting biodiverse species across the 200 hectare project which will connect to 130 hectares of remnant vegetation
- Create diversified income streams through the generation of carbon credits and the production of medical grade and table honey on a commercial scale



Activities

- Regenerate land traditionally farmed with cereal cropping and stock production for close to 100 years
- Reintroduce native plant species to form a continuous covering with remnant vegetation across the project site.
- Revegetate with deep-rooted native trees and understory plants to create wind breaks and improve agricultural productivity through biodiversity and salinity mitigation
- Construct fencing and facilitate feral animal and pest control to protect plantings
- Establish a mix of native flowering trees for honey production to support the commercial viability of the project

Co-benefits

Re-establish biodiversity

Improved soil health

Reduced wind erosion

Improved agricultural productivity

Project size: **200 hectares**

Location: **Mount Caroline, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$50,000 in CF-LRP funding

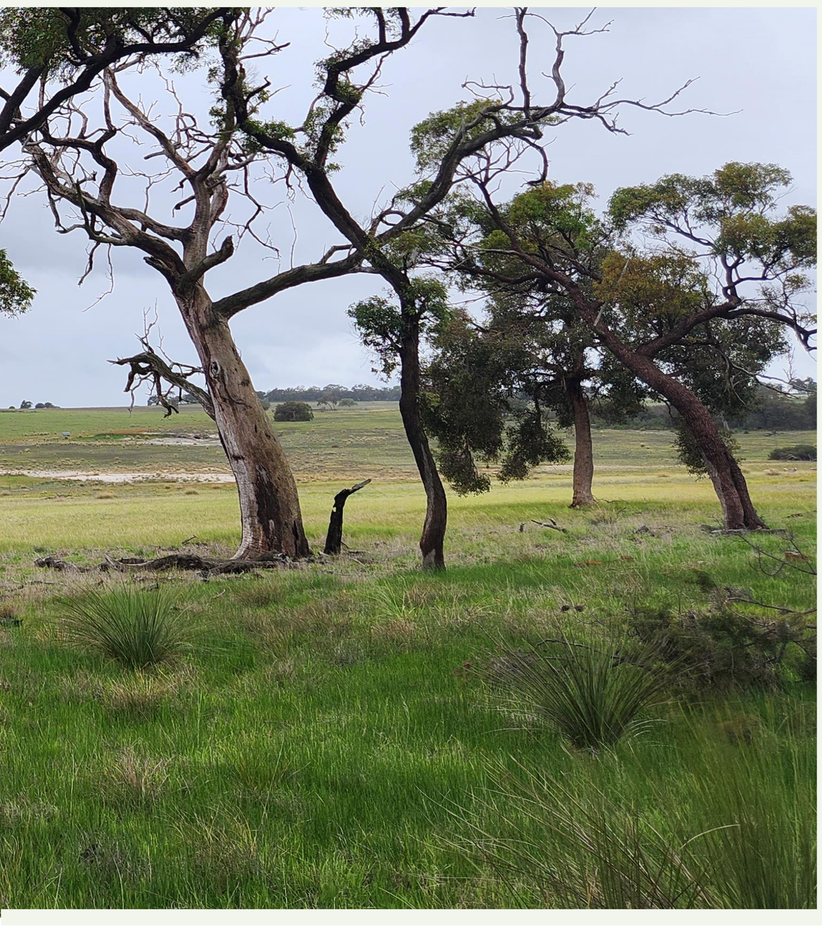
55,700 ACCUs over 25 years

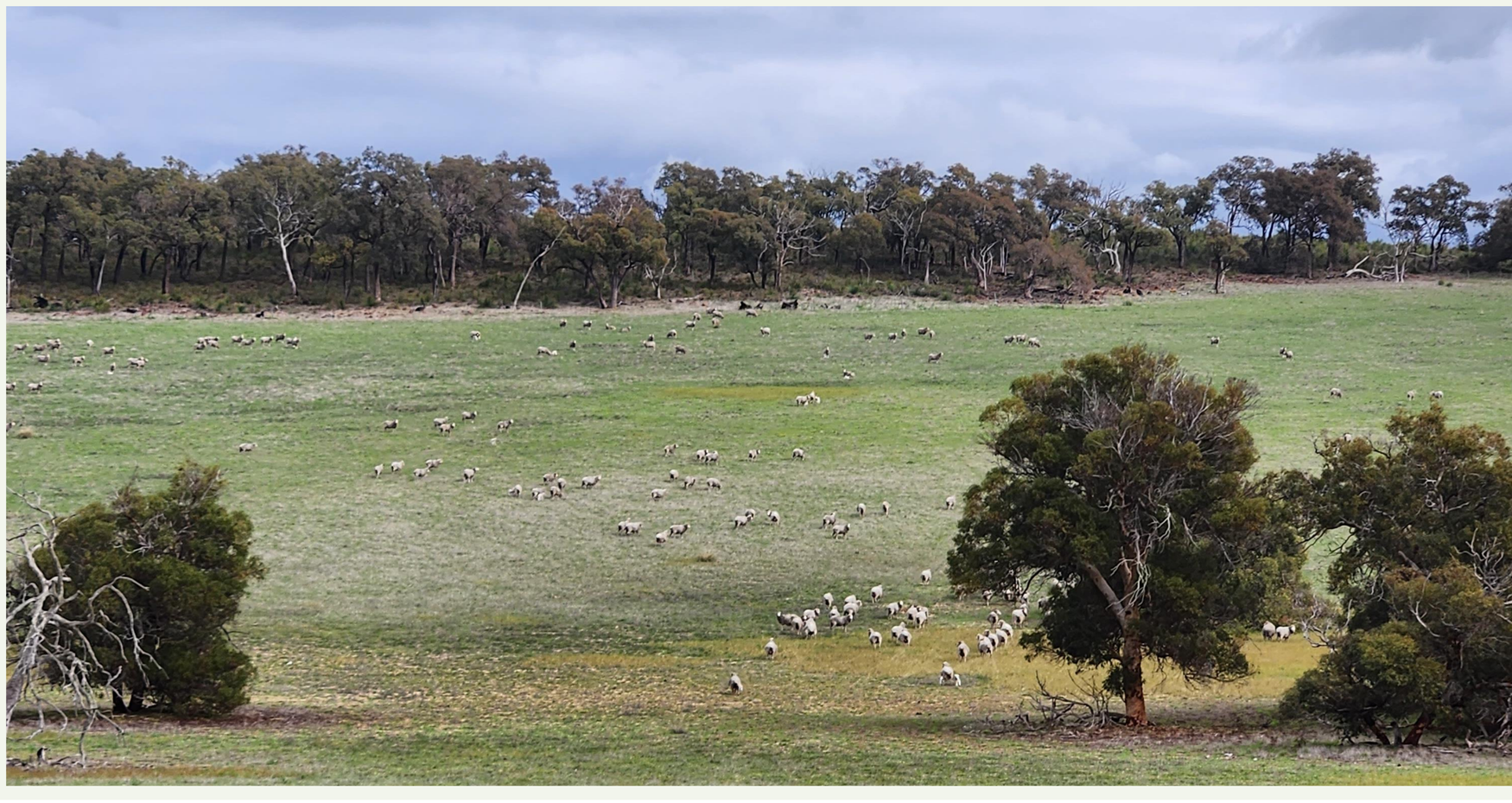
25-year permanence

Red Gully Farm Revegetation Project

Method: **Reforestation by Environmental or Mallee Plantings – FullCAM**

- Whole of farm management to improve ecological function and future outcomes
- Demonstrate the value of biodiversity to productive agricultural land
- Generate cost-effective, carbon neutral agricultural produce





Activities

- Create windbreaks in belt plantings to connect with remnant vegetation and provide stock shelter, reduce wind erosion and improve the farm aesthetic values
- Smaller growing shrubs will enhance the biodiversity values and allow the landowner to view location of his stock.

Co-benefits

Improved biodiversity

Decreased wind erosion

Improved agricultural productivity

Project size: **975 hectares**

Location: **Gingin, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$100,000 in CF-LRP funding

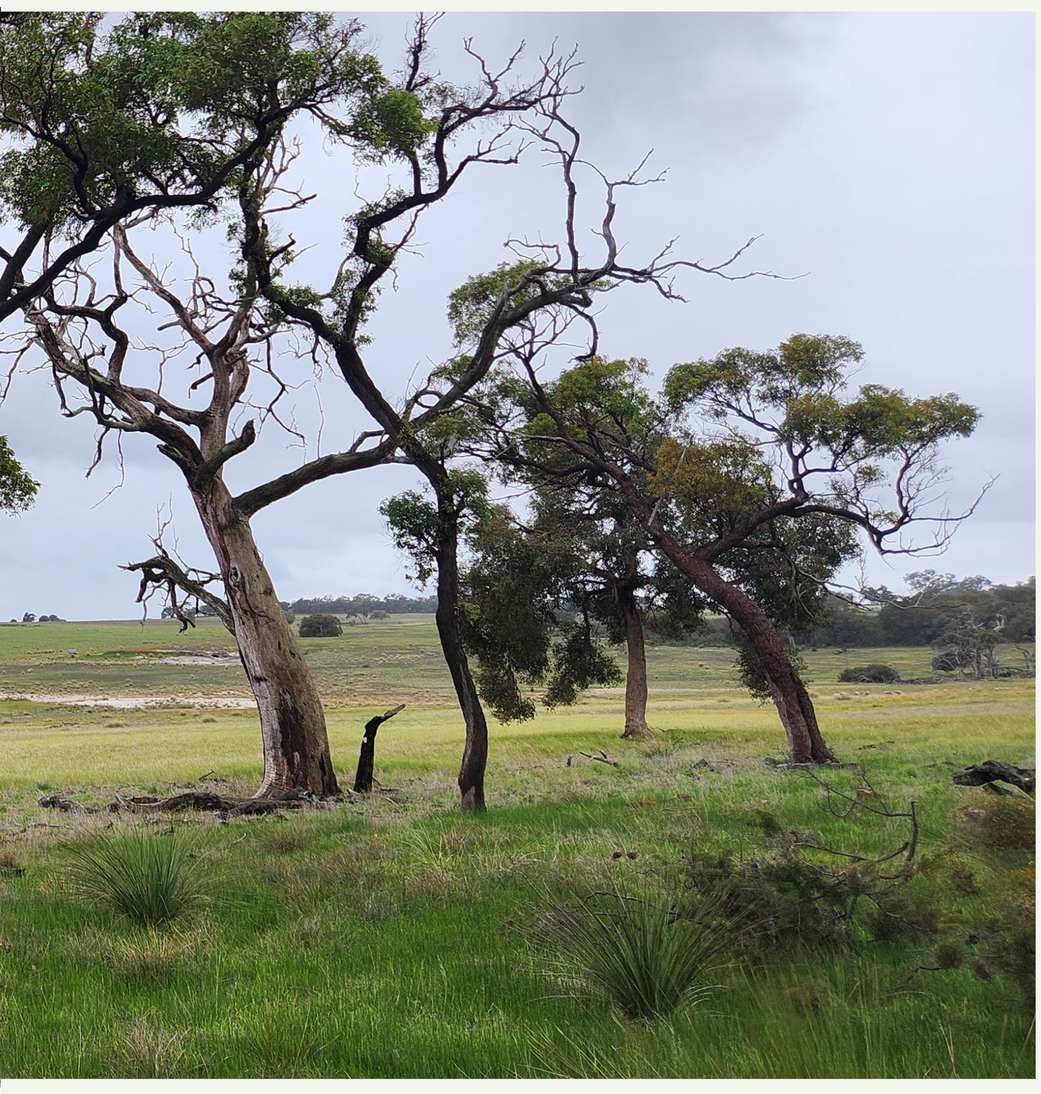
43,436 ACCUs over 25 years

25-year permanence

Red Gully Farm Soil Carbon Project

Method: **Estimation of Soil Organic Carbon Sequestration Using Measurement and Models**

- Whole of farm management to improve ecological function and future outcomes
- Generate cost-effective, carbon neutral agricultural produce



Activities

- Red Gully Farm has been managed with a low-input system over the past decade, with sheep used to stimulate and nourish native pasture species and help develop pasture diversity across the property.
- Using good grazing management, elimination of biocides and well-placed wind-breaks, the project aims to minimise the constraints to the increase and maintenance of soil organic carbon.
- Stimulate nutrient transfer for improved ecological function across the site

Co-benefits

Improved biodiversity

Improved soil health
Decreased wind erosion

Improved agricultural productivity

Project size: **975 hectares**

Location: **Gingin, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$607,750 in CF-LRP funding

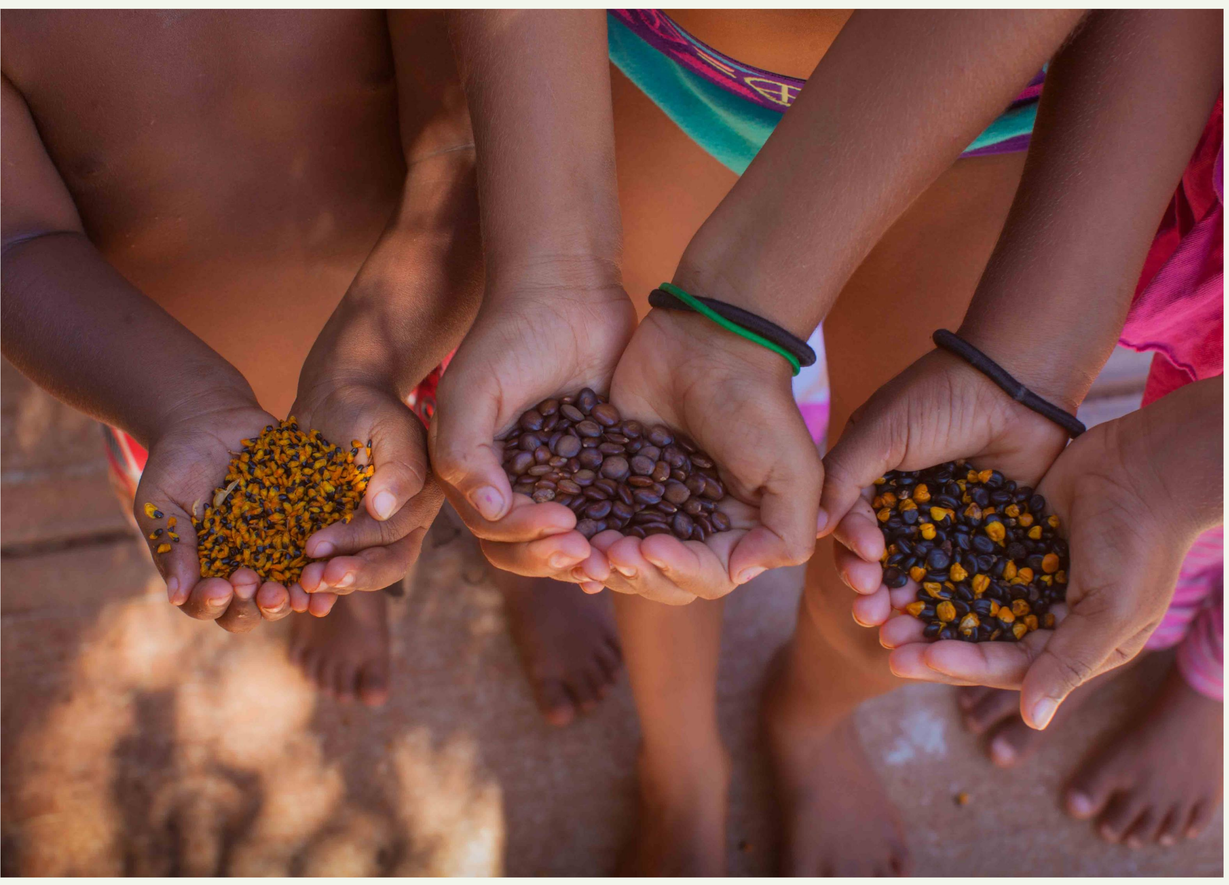
22,100 ACCUs generated

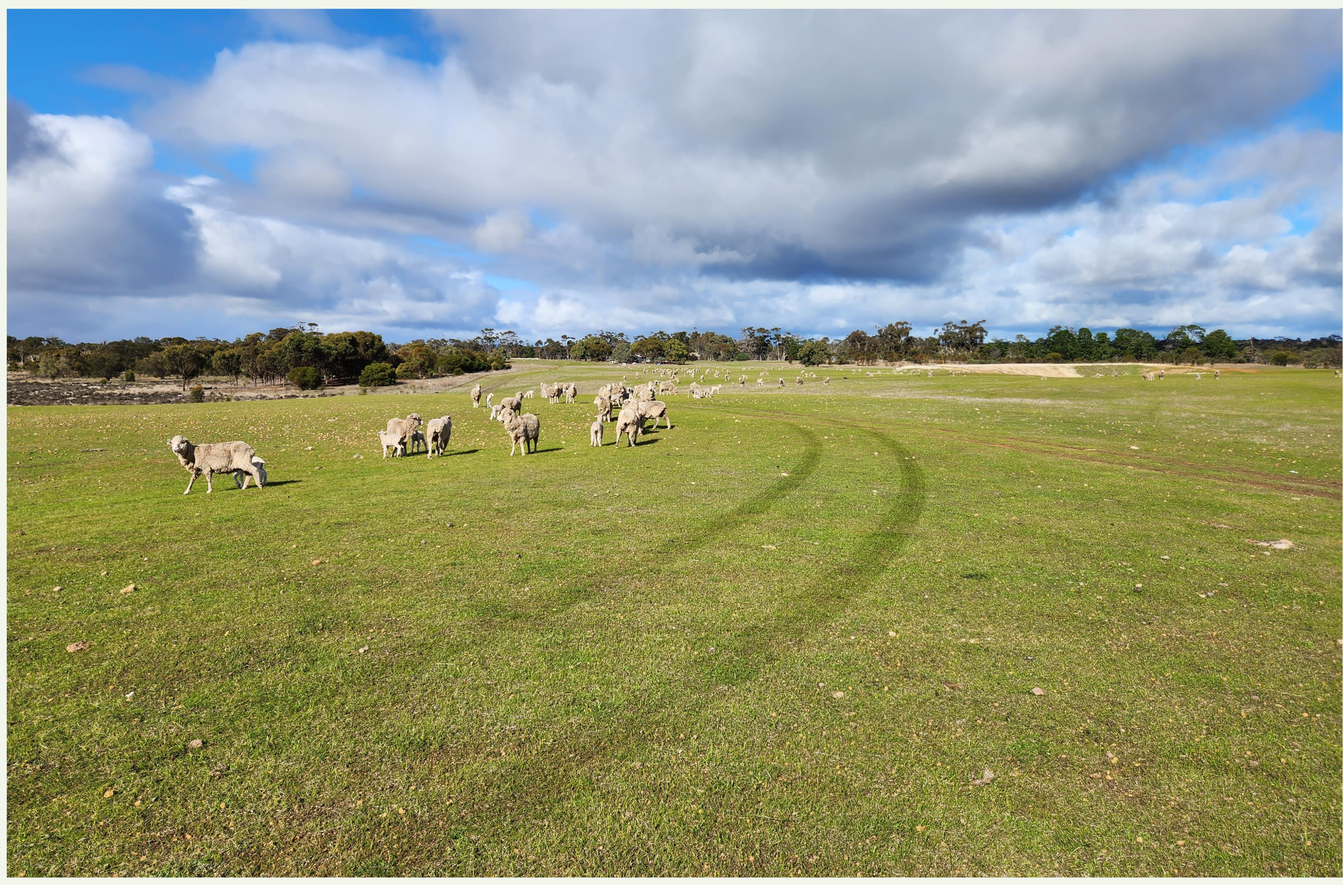
100-year permanence

Tambellup Noongar Farm Carbon Restoration Project

Method: **Reforestation by Environmental or Mallee Plantings – FullCAM**

- Ecological ecological restoration of 130 hectares of degraded farmland located directly adjacent to the Gordon River
- Demonstration of how carbon farming can benefit the Aboriginal community





Activities

- Ecological restoration of 130 hectares of degraded farmland to reconnect remnant vegetation, improve biodiversity and sequester carbon through environmental plantings
- Facilitation of collaborative partnerships to develop and share cultural and On Country environmental knowledge
- Training and employment opportunities in the development and delivery of carbon farming projects

Co-benefits

- Improved biodiversity
- Decreased salinity
- Aboriginal economic and cultural benefits
- Alignment with Aboriginal cultural values

Project size: **130 hectares**

Location: **Tambellup, WA**

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GOVERNMENT OF WESTERN AUSTRALIA

Western Australian Carbon Farming and Land Restoration Program

$172,000 in CF-LRP funding

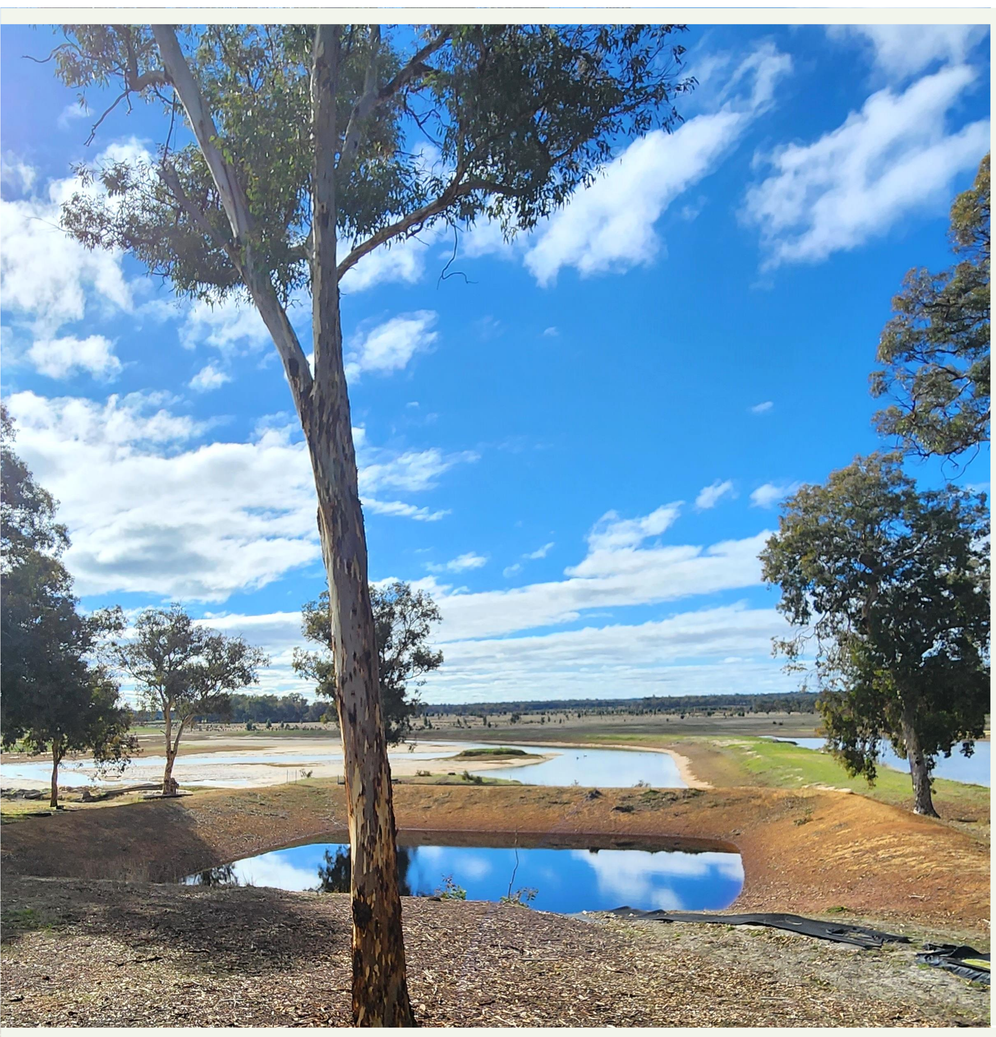
73,646 ACCUs generated

25-year permanence

Wandoo Springs Soil Carbon Project

Estimation of Soil Organic Carbon Sequestration Using Measurement and Models

- Facilitation of soil organic carbon build-up and improved pasture growth
- Demonstrating capacity of soil carbon to enhance soil microbial health and improve pasture biomass/diversity and enhance livestock production



Activities

- Installation of fencing, dams, pipes and troughs to increase number of paddocks on the property to allow for implementation of holistic grazing management
- Alteration of stocking rate, intensity and duration of grazing through holistic grazing management
- Establishment of salt tolerant pasture species to improve soil health and carbon stocks

Co-benefits

- Improved soil health
- Improved agricultural productivity

Project size: **762 hectares**

Location: **Trigwell, WA**

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