



Weelhamby Farm Biodiversity Project

\$615,500
Total project cost



\$345,500
CF-LRP funding

\$270,000
Co-contribution



22,000
Projected ACCUs

David Martin

Location	Perenjori, WA
Project area	230ha
Property size	5,500ha
Permanence period	100 years



**Agricultural
Productivity**



Biodiversity



**Soil
Health**



**Salinity
Mitigation**



**Aboriginal
Economic
Opportunities**

Aims

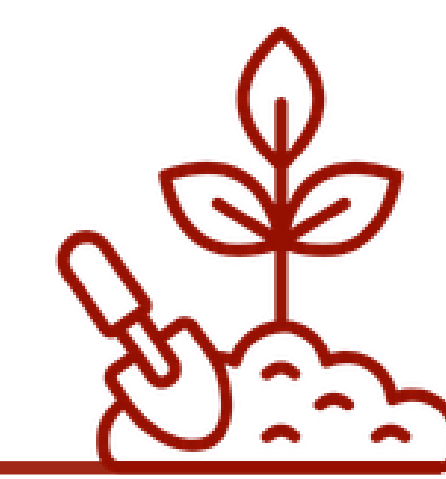
- The Weelhamby Farm Biodiversity Carbon Project's will re-establish habitat in an area of ecological significance using belt and block plantings of endemic species. This project integrates with the Weelhamby Farm Soil Carbon Project.
- Together, these projects aim to prove that carbon farming is viable in low rainfall areas in the Northern Wheatbelt without locking up productive land.
- The goal is to maximise carbon sequestration and land restoration while boosting the profitability of a mixed cropping and livestock grazing enterprise and diversifying the property's income streams. The activities will also increase biodiversity above and below ground across the property as part of a sustainable, regenerative approach.



Above (L-R): Planting at Weelhamby Farm in 2022, Seedlings ready for planting (image courtesy Carbon Farming Foundation)

Activities

- Wildlife corridors are woven across the property, linking 1,500ha of remnant vegetation to the 3 adjacent nature reserves.
- Remnant vegetation has been fenced off to recover from past overgrazing.
- A 230ha revegetation program used manual and machine tube stock planting, and direct seeding.
- Wide belt plantings along existing and new fence lines link remnant vegetation and create cell grazing areas.
- A mix of over 40 biodiverse native tree and understory shrubs endemic to the area have been planted.
- Windbreaks will reduce erosion, offer stock shelter and increase water infiltration by slowing movement of water across the landscape.
- Block planting on land unsuited to agriculture and adjacent to nature reserves will extend habitat for mallee fowl and other threatened species.
- The project will employ Traditional Owners to support On Country activities.



\$1,595,500
Total project cost



\$393,100
CF-LRP funding



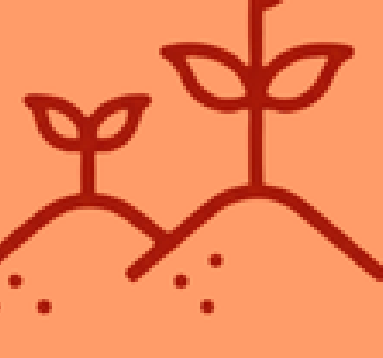
\$1,202,400
co-contribution



155,000
Projected ACCUs

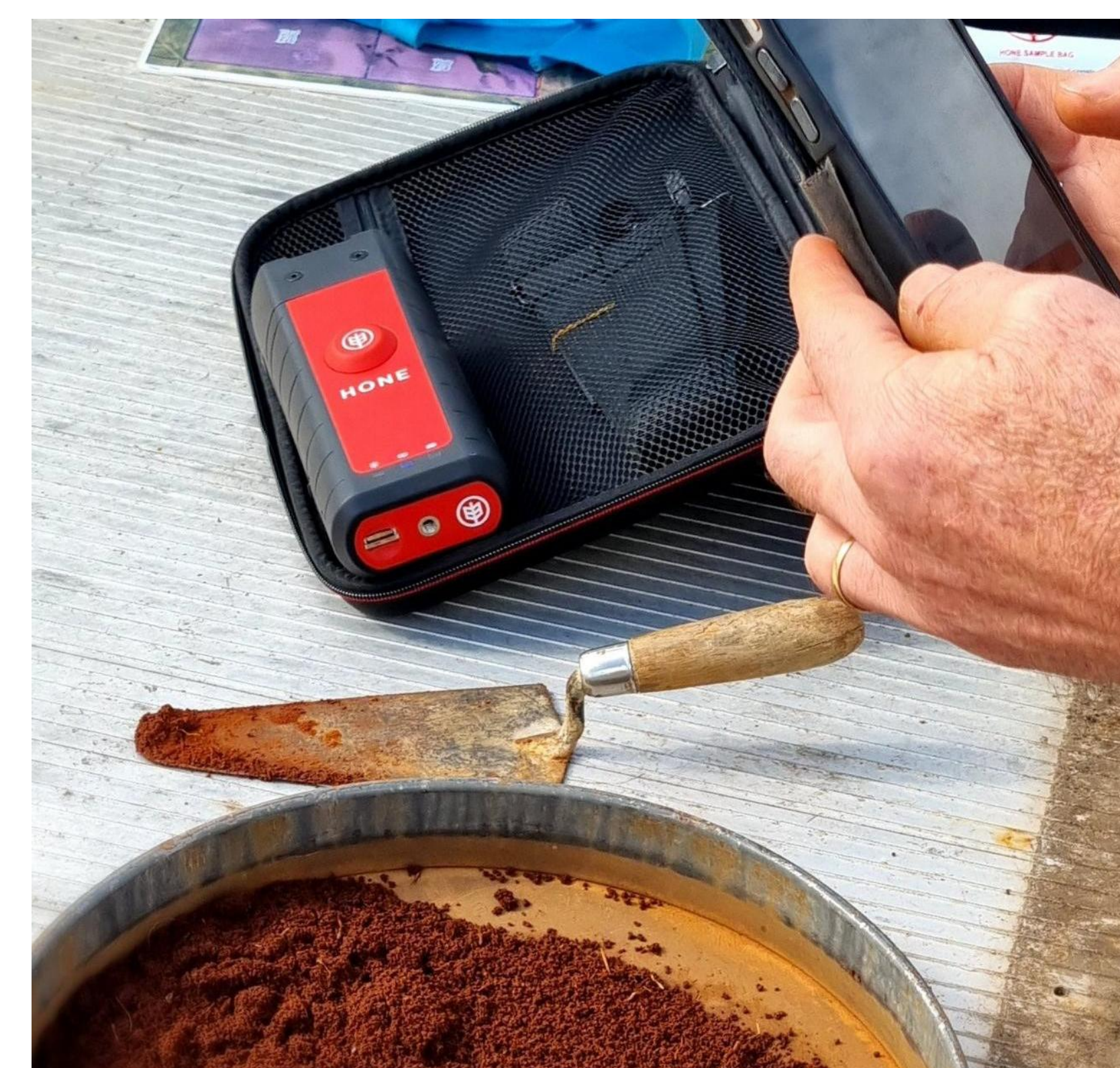
Weelhamby Soil Carbon Project

David Martin

Location	Perenjori, WA	 Agricultural Productivity	 Soil Health	 Salinity Mitigation
Project area	3,200 ha			
Property size	5,500 ha			
Permanence period	25 years			

Aims

- The Weelhamby Soil Carbon Project has been designed to integrate landscape revegetation of the Weelhamby Farm Biodiversity Project with pasture rejuvenation techniques to build organic carbon levels in the soil.
- The soil carbon project covers 3,200 ha, making it the largest in WA. It will demonstrate the potential of carbon farming in low-rainfall areas, and how it contributes to increased profitability and improved agricultural resilience.
- Whole of farm and systems scale planning incorporates regenerative and sustainable practices to address historical land management and overgrazing issues.
- The project aims to increase soil organic carbon levels from 0.7% to 1.2% in the top 30cm in the first 10 years using pasture rejuvenation and managed grazing.



Above (L-R): Soil baselining at Weelhamby Farm (image courtesy Carbon West). Hone Ag soil sampling measures changes on an annual basis, allowing practices to be adjusted

Activities

- Shift from high input cereal cropping to a grazing enterprise with a 3-year pasture/1-year crop rotation.
- Establish multi-species pastures to protect topsoil, prevent wind and water erosion, increase soil microbial and fungal activity, and build soil organic carbon.
- Year-round ground cover minimises evaporation and run-off, and increases soil water holding capacity.
- The addition of legumes in the pasture mix is a significant change and is expected to make a positive difference to plant-available soil nitrogen levels and reduce fertiliser use.
- A qualified agronomist calculates nutrient and pasture seeding regimes to provide the best cropping results while building soil biodiversity and organic carbon levels
- Weelhamby is working with Edith Cowan University to deliver a Future Drought Fund: Long-term Trials of Drought Resilient Farming Practices project. It will trial traditional Maaman Marra Boodja land management practices and landscape manipulation to rehydrate and restore land function.