

**\$1,595,500**  
Total project cost



**\$393,100**  
CF-LRP funding



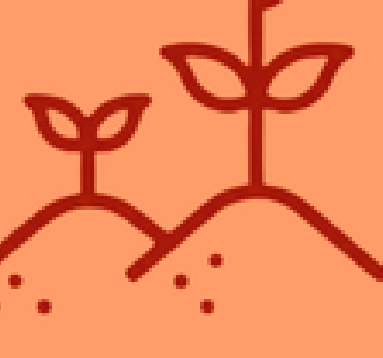
**\$1,202,400**  
co-contribution



**155,000**  
Projected ACCUs

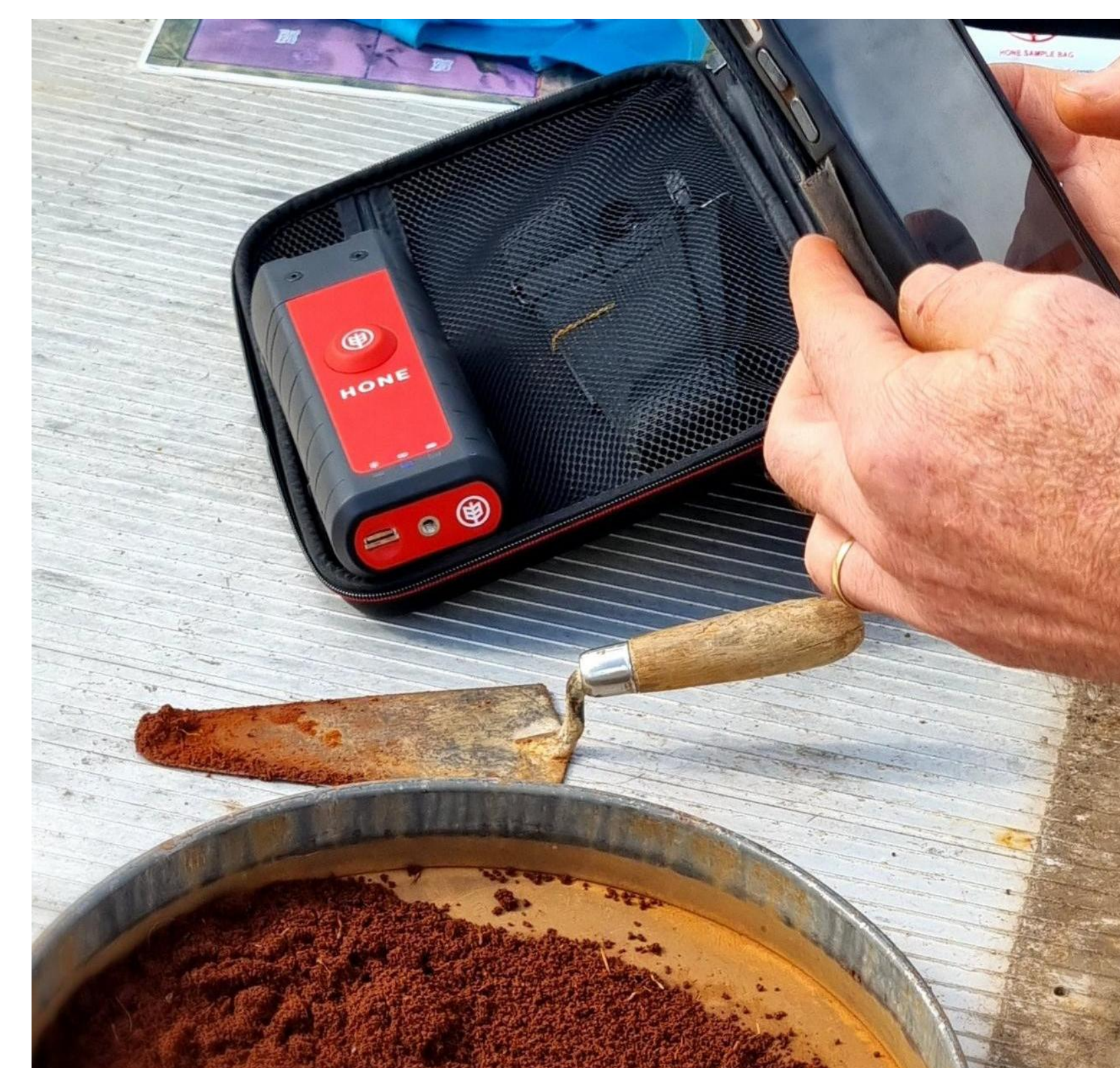
# Weelhamby Soil Carbon Project

David Martin

<b>Location</b>	Perenjori, WA	 Agricultural Productivity	 Soil Health	 Salinity Mitigation
<b>Project area</b>	3,200 ha			
<b>Property size</b>	5,500 ha			
<b>Permanence period</b>	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.