

Biodiverse sandalwood reforestation for healthy farms and people

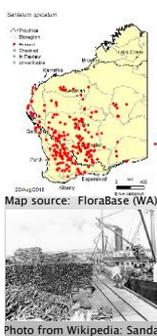
Authors:
 Peter Ritson, FarmWoods, Augusta, WA
 Ray Wilson, Carbon Neutral Charitable Fund, Cottesloe, WA
 Bob and Ros Huxley, Sandalwood Solutions, Gabbin, WA
 Mark and Michelle Fitzpatrick, *Nil Desperandum* farm, Bencubbin, WA

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CNCF Biodiverse sandalwood reforestation project

- Aim is to restore native forests and woodlands to unproductive soils on dryland farms in WA.
- Sites targeted are soils that are uneconomic for agriculture but support ecosystems with native sandalwood (*Santalum spicatum*).
- Native *Acacia* and other trees and shrubs that serve as hosts for the hemiparasitic native sandalwood are restored to these sites.



Native sandalwood

- Australian native sandalwood (*Santalum spicatum*) occurs throughout arid and semi-arid WA and into SA.
- Strong demand for sandalwood due to its aromatic oils found mainly in heartwood.
- Products range from incense sticks to perfumes.
- Exported from WA since 1844. At one time provided 30% of WA's export income.

The landowner's part

- Landowners provide the land and, if necessary, fencing to protect the new trees from livestock in the early years.
- Landowners:
 1. Gain harvest rights for all forest products, including commercial harvest of sandalwood nuts and sandalwood.
 2. Retain grazing rights, e.g. for sheep.

CNCF's part

- Engage a planting contractor to establish the new forests and woodlands.
- Undertake monitoring and reporting of carbon abatement under the ERF Farm Forestry method.
- Acquire the carbon rights to claim and sell carbon credits.

Farm Forestry Method

- Project registered with the ERF under the 'Farm Forestry' method.
- The 'Plantation Forestry' method is not applicable outside of NPI regions.
- Could switch to an alternative accreditation scheme, e.g. Gold Standard.

Figure 1 Example of a possible carbon stock profile over four rotations, showing predicted project average carbon stock (PPACS) and claimable change in carbon stocks (CCCS) at three-yearly reporting intervals.



Benefits for healthy farms & people

For farms, farmers and farm foresters:

- Opportunity to diversify farm enterprises and derive income from previously unproductive lands through harvest and sale of sandalwood products.
- No cost for tree establishment as funded from carbon credit revenue.
- Landcare benefits, e.g. erosion control, livestock shelter, salinity mitigation.

Sandalwood logs, Photo FPC WA



More benefits for healthy farms & people

For the environment:

- All the benefits of restoring native forests and woodlands to degraded lands, including biodiversity values and wildlife corridors.

For investors:

- An opportunity for organisations that wish to invest in natural capital by supporting ecological restoration and carbon sequestration outcomes through the purchase of carbon credits.



About CNCF

- CNCF is a registered Environmental Charity founded in 2001.
- Key activity is development and management of revegetation projects on unproductive farmland.
- Projects are funded through sale of carbon offsets to businesses and donations from individuals.
- Supporters value project co-benefits of biodiversity conservation and natural resource management.

Mallee fowl on mound



About Sandalwood Solutions

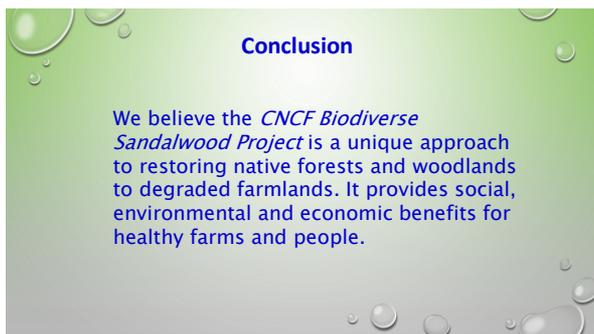
- Sandalwood Solutions established by Bob and Ros Huxley to provide sandalwood establishment and management services.
- They have 240 ha of biodiverse sandalwood on their 800 ha wheat, sheep and trees farm, established since 1999.
- Bob is regarded as a pioneer of biodiverse sandalwood plantings on farms and, together, Bob and Ros have provided inspiration and mentoring for many other sandalwood growers in the Mt Marshall district and beyond.



About Fitzpatrick's farm

- *Nil desperandum* is a broadacre farm near Bencubbin in the MidWest of WA –wheat, sheep and pigs are main products.

➤ Mark Fitzpatrick quote: "Michelle and I often go for walks through our existing plantation and take great satisfaction from the hosts and sandalwood that have grown up over the last 10 years. As landowners we consider it part of our duty to reforest and give back to the land in a way that improves the environment on non productive soils. We look forward to the day we wander through our latest project in partnership with CNCF."



Conclusion

We believe the *CNCF Biodiverse Sandalwood Project* is a unique approach to restoring native forests and woodlands to degraded farmlands. It provides social, environmental and economic benefits for healthy farms and people.