# **Carboning** CHARITABLE FUND we plant trees for the planet

#### **2019 YEAR IN REVIEW**



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MESSAGE FROM OUR CEO 2019 GRANT WORK FINANCIALS 2019 PROJECTS MONITORING REPORTS OUR SUPPORTERS WHAT'S COMING UP KEEP IN TOUCH In February 2020, Ray Wilson stepped down as CEO of Carbon Neutral Charitable Fund (CNCF) and I was welcomed onboard in March. It has been a challenging time to come into the organisation, but thanks to the work of Ray and the CNCF team, the organisation has entered the year in a strong position. I am also really pleased to report that the planned planting for 2020 will go ahead. We are deeply grateful to all our contractors and partners for working with us to ensure that the trees get into the ground.

Thanks to your support during 2019, we began a major new project at Eurardy Reserve in collaboration with Bush Heritage Australia, where we will be planting across this 750Ha site over a five year period. We also have a further 5 projects where planting will continue or begin in 2020. You can read more about these great projects in the body of this report. I want to take this opportunity to thank all of the organisations and individuals who support our work. The CNCF team and I send our best wishes to you all as we navigate the uncertainty that lies ahead.

I am also excited to let you know that we have received major support from Lotterywest to help us increase the capacity of the organisation, establish our CarbonCare<sup>™</sup> project, and begin work on new carbon calculators over the coming months.

I am personally delighted to take on the role here at CNCF and am very much looking forward to engaging with all of our supporters and partners over the coming year. Please get in touch. Restoring our native bushland and replanting on degraded land with all of the associated benefits for our wildlife and unique biodiverse region firmly remains our organisational mission. I hope that you will continue to support and partner with us as we bring our offerings to a wider audience and engage with the Australian community to restore and create habitats.

Louise Tarrier Chief Executive Officer

# MESSAGE FROM OUR NEW CEO



These grants are being used to start investigating the ecological benefits of restoring highly saline sites. Large scale restoration is required over the West Australian Wheatbelt to combat salinity and improve farm productivity. In many cases, landholders are not willing to take arable land out of production and lock up with revegetation. Although WA landscapes are generally over cleared, there is currently a shortage of available land for planting native woody vegetation for environmental and other ecosystem service provision (e.g. carbon). This situation is likely to increase and be further under pressure in the future.

Concurrently, there is a large amount of land at risk of salinity. This land is environmentally damaged and has no economic value to the farming community. Current estimates suggest that up to 30% of arable land in the wheatbelt is likely to be lost to salinity. With no easy solution to address this process, we realise the need for the development of new and innovative means to make best use of this land.



#### In 2019, we were awarded a **Community Stewardship Grant** from the State NRM Program as well as a National Landcare Program Smart Farms Grant.









# **INCOME BY SOURCE**



Donation from Individuals 43.9%

# FINANCIALS

Business Partnerships 49.9%

# WHERE OUR FUNDS GO



Charitable Activities 40.5%



# **FINANCIALS**

Planting 47.5%



In July 2019, we started restoration planting on Bush Heritage Australia's Eurardy Reserve in mid-west WA. Eurady Reserve extends over approximately 30,000 ha in the north of the Northampton Shire. Its landowner, Bush Heritage Australia (BHA) has an objective to revegetate extensive portions of the Eurardy Reserve using native plant species. The dry conditions impacted initial seed collection, resulting in a lack of supply of certain species, but we were able to plant 36,000 seedlings across 200 hectares.

The site is large and the conditions vary. In the highly fertile red soil, we are developing a biodiverse native carbon planting. In the less fertile yellow sandy soil, we are planting less carbon intensive endemic species that contribute to the ecological restoration of the site. We always try to carefully select species and create plantings that are self-sustaining that can survive in the climate without intervention and watering.

Planting Partners	E-Scapes	
Hectares	200 (of 750 total to I	
Seedlings	2019 Eucalyptus loxo Eucalyptus obtusiflo atroviridis, Melaleuca	
Number of Seedlings	36,000	
Estimated Stems Per Hectare	800	

e planted)

ophleba, subsp. Supralaevis, ora, Lamarcheahakeifolia, Melaleuca a eleuterostachy, Melaleuca hollida

N 0 PRO RARDY, WA



We planted 33ha on a site in Brookton, WA. The soil was first tested and was assessed as being suitable for a mix of native species, including sandalwood. Much of the WA Wheatbelt's deep acid yellow wodjil soil was covered with native acacia sandalwood woodlands, until it was cleared for agriculture in the early 1900s, causing environmental issues such as wind erosion. Sandalwood does not thrive in soils with high salinity due to the increased risk of water logging, but is well suited to this site.

Like our 2018 Bencubbin project, the planting mix was divided around 30% native sandalwood and 70% mixed endemic species. Adding native sandalwood to the planting gives the landowner the benefit of a source of income. They can harvest the nuts as the trees grow, and may harvest the wood once the trees reach maturity. After harvest, the carbon remains 'locked up' in the host plants remaining.

Planting Partners	Farmwoods and Sa
Hectares	33
Seedlings	Acacia lasiocalyx, A huegelliana, Banksia Hakea multilineata, prostra
Number of Seedlings	25,000
Estimated Stems Per Hectare	750

ndalwood Solutions

a attenuata, Banksia prionotes, Hakea corymbosa, and Hakea

10 U D O KTON,



We are also working with local landowners on another Brookton property to test saltland revegetation. Seventeen million hectares of land in Australia is lost to salinity, which is caused by the clearing of deep-rooted perennial vegetation, such as saltbush and grasses. Although it is a relatively low carbon yield, we are very excited to explore the environmental benefits of restoring these areas.

The planting of the first 10 hectares was completed in July by our contractor Wheatbelt NRM via Noongar Budjar Rangers. This project is supported by funding from the Western Australian Government's State NRM Program.

Planting Partners	National Resource N	
Hectares	10	
Seedlings	Melaleuca brophyi N loxophleba subsp lo Casuarina obesa, Me semibaccata	
Number of Seedlings	12,000	
<b>Estimated Stems Per Hectare</b>	1,000	

Management (NRM)

Melaleuca lateriflora Eucalyptus oxophleba Acacia acuminate elaleuca thyoides, Atriplex

N 0 0 PROJ U ROOKTON, WA



In collaboration with Trillion Trees, we have trial planted on this small site in Chidlow, WA, south of the Great Eastern Highway. This trial planting was for 1,200 seedlings.

Due to the kangaroos in the area, we are trialling Sen-Tree, a non-toxic pest deterrent to protect the trees from damage. Sen-Tree comprises of whole egg solids, acrylic polymer adhesive, water and silicon carbide grit that adheres to leaves, giving them an unfamiliar, unpleasant smell and an unpalatable, gritty texture. The growing seedlings are then undesirable to grazing animals, reducing the need for fencing or tree guards. If this trial is successful, we will roll this out to other planting sites as needed.

Planting Partners	Trillion Trees
Hectares	1
Seedlings	Calothamnus quadr Eucalyptus wandoo Acacia saligane, Euc Hypocalymma angu
Number of Seedlings	1200
Estimated Stems Per Hectare	1000

rifidus, Eucalyptus accendens, o subsp. Wandoo,Hakea lissocarph, calyptus rudis, ustifolium, Melaleuca seriata PRO S,NNA FARM,



Our Bencubbin, WA project began in 2018 and was a prototype project for a new model of landowner incentive using Australian native sandalwood, a high value crop, as 25% of the planting mix. The sandalwood can be harvested after a period of 5 years, providing income to the landowners. This will hopefully result in a win win situation for the environment and farmer.

As mentioned above in our Brookton project, Sandalwood is naturally endemic to the area. To assist with these planting we engaged the expertise of Dr Geoff Woodall and Rosamund MacFarlene, who are both on the board of the Australian Sandalwood Co-operative. Host plants were planted on the site in 2018. In 2019, we added the sandalwood seed.

Planting Partners	Sandalwood Solution
Hectares	25
Seedlings	Acacia heternearaaci tetragonophylla, Aca Acacia microbotrya, Eucalyptus loxophle oldfieldii, Eucalyptus Eucalyptus loxophle invaginea
Number of Seedlings	25,000
Estimated Stems Per Hectare	800

#### าร

cia Acacia sessilspicauminata,Acacia acia lasiocalyx, Acacia neurophylla, Acacia burkittii, Acacia saligna, ba subsp loxophleba, Eucalytus s kochii subsp plenissima, ba subsp lissophloia, Hakea

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### MONITORING REPORTS

#### BENCUBBIN, WA

After one year, the results of survivability at this site were mixed. Still, the site averaged to an overall survival rate of 67%, with the plantings in the middle producing the healthiest and highest count. The rainfall over the initial year was well below the average of 300 mm, with a recorded 196mm, which caused the planting stress.

#### BADGEBUP, WA

Our winter 2017 planting, an 80 hectare restoration at Badgebup conducted by Threshold Environmental, showed promising results over the initial 18 months of monitoring. In total, twelve quadrat plots were randomly established across the 80 hectare site to assess the initial stocking and survival of the native woody plants established for the project. Initial results calculated from the monitoring indicate approximately 630,000 trees and shrubs were established across the 80 hectares as a result of the revegetation treatments. The average site-wide Eucalypt stocking was approximately 1200 stems per hectare, ranging from a high average of ~3200 stems per hectare in the northwest corner system, to a low average of ~400 stems per hectare in the central zone (previously mounded) system.

## SUPPORTERS

#### **MAJOR SUPPORTERS**

Lotterywest NRM

#### **PLANTING PARTNERS**

Bush Heritage **Trillion Trees** 

Arrow ECS BHP Staff Giving Enjo Australia Forbo Floors **Kicks Entertainment** Macquarie Bank RAC WA Transport Direct

#### **MAJOR BUSINESS SUPPORTERS**

- Maitland Toyota Dealership

## SUPPORTERS

#### **OTHER BUSINESS SUPPORTERS**

Bend Yoga Sydney Beth Little - Mind and Body **Brighte Capital** Caznet Pty Ltd City Canning Staff Giving Coastline Advice (Jess Townsend) Data Runs Deep Pty Ltd destinationq DHL Express **Dogspeed Pet Taxi Ecological Funding Group** Envirotecture **Evolution Concept Group** Fine Fellows Coffee Fitzpatricks Fireworks **Frasers Property Australia** Gaia Resources

GOOD STUDIOS	Souls
Havwoods International	Spicy
ITCV Writers	Stirlir
KITX	Stoke
Look Who's Charging	The H
Maxa Design	The L
MBS Environmental	The S
McAlary Media	TNR S
Melrose High School	Unive
Papinelle	Vande
Port Cygnet Sailing Club	Venro
Princess Polly Online	Vicki
Racing and Wagering WA	WA F
Rac-n Yoga	WAW
Room40	World
Russell Stafford Photography	Yoga
SAE SP Pty Ltd	

Truth Healing Brocolli ng Greens WA Realty Hutton Family ittle Magazine Social Economy Group Services Pty Ltd ersity of Western Australia erlay Industries ock Finance Philipoff Settlements orest Alliance Handplanes d Animal Protection King

### **GRAN1** -*<b>FERYWES* 0 N 20



mission of:

- Ecological restoration
- Increasing biodiversity
- Restoration of ecological connectivity
- Climate change resilience

The funding has two parts:

- calculators.

CNCF has received major funding from **Lotterywest** to help it deliver on its

• Planting to improve soil fertility and reduce salinity • Provision of long term sustainable habitats

1. Increase the capacity of the organisation, through funding educational and community engagement. This includes further development of our carbon

2. Boost understanding of carbon farming and revegetation activities amongst the farming community by: identifying barriers to uptake of carbon farming, quantifying, environmental and social co-benefits and educating landowners and the wider community on the positive outcomes of carbon farming.





We are excited to announce our planting schedule for 2020. Over 285 hectares are secured to be planted with over 300,000 stems and carbon offset capability of 130,000 tonnes.

#### **EURARDY, WESTERN AUSTRALIA**

Our 750 hectare restoration project in partnership with Bush Heritage Australia commenced in June 2019. A further 186,000 seedlings will be going in 2020, planting a total 300 hectares. Future projections on this site are a coverage of 1,000 stems per hectare, with the ultimate goal of one million trees and 105,000 tonnes of CO2-e.

#### **BROOKTON & BORDEN WESTERN AUSTRALIA**

An additional 10 hectares will be added to our 2019 Brookton site as well as another 10 hectare site at neighbouring Borden. Both are part of the Saltland Restoration research.

#### **CRANBROOK, WESTERN AUSTRALIA**

We will be planting o farming land.

We will be planting over 95,000 trees and shrubs on 65 hectares of cleared

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# **OUR CONTACT DETAILS**

# LET'S TALK