

Acknowledgment



Artist: @salty_one_here

Galangoor djali!



Left: Dr Louise Shuey, Forest Pathologist DAF

Right: Matilda (Tilly) Davis, Biosecurity Officer BLSR

Butchulla Lore

Butchulla Lore:

Minyang galangoor gu, djaa kalim baya-m
(what is good for the land comes first).

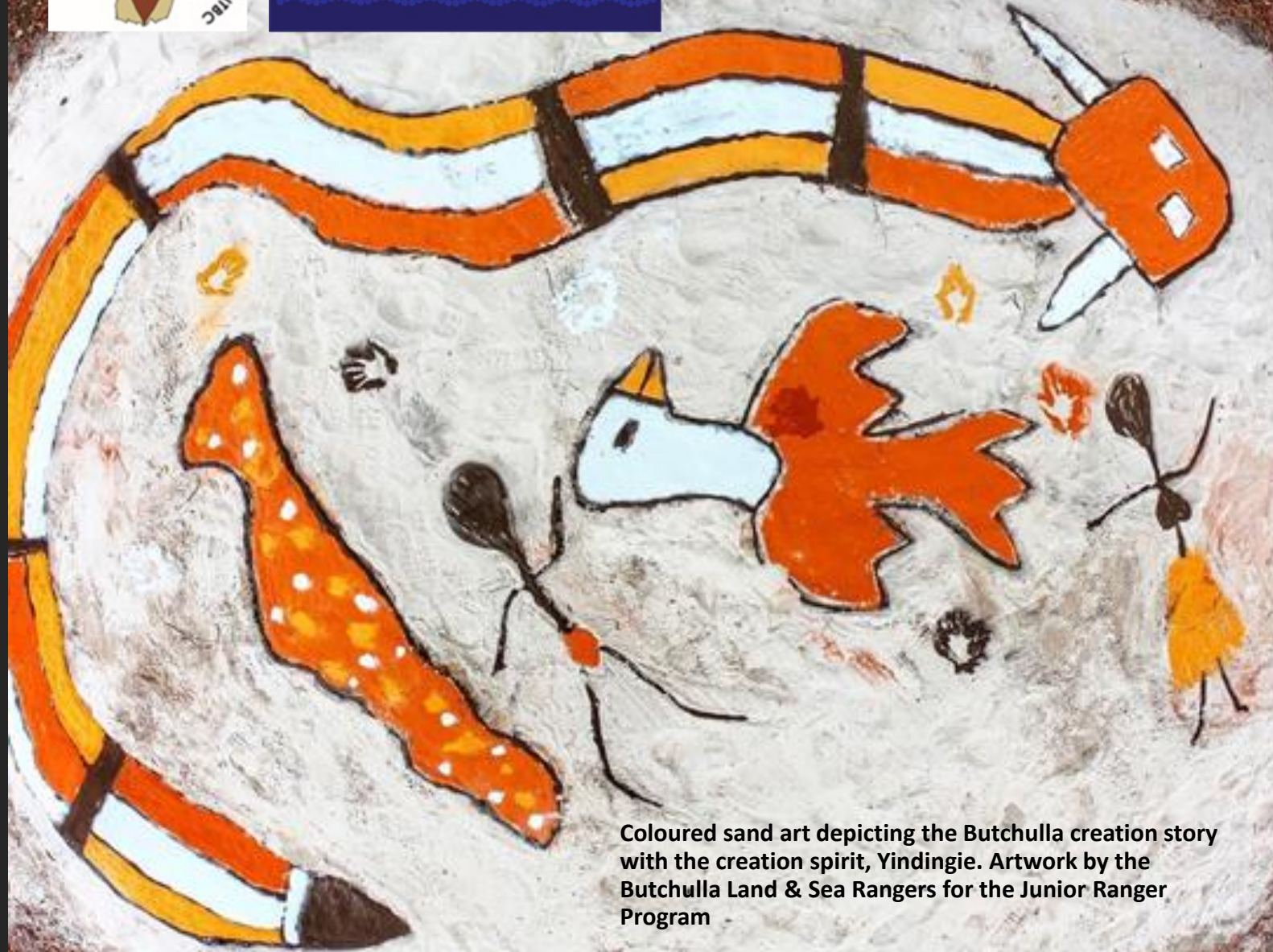
Minyang waa nyinang, waa bunmalee
dhama-n

(do not touch or take what does not
belong to you).

Wangou nyin gamindu biralunbar, nyin
wamga-n

(if you have plenty you must share).

Galangoor nyin (thank you) to Butchulla
community linguist, Aunty Josey Bonner,
for the translation.



Coloured sand art depicting the Butchulla creation story with the creation spirit, Yindingie. Artwork by the Butchulla Land & Sea Rangers for the Junior Ranger Program

Beautiful Butchulla Country

Butchulla country ranges across K'gari (Fraser Island) & the adjacent mainland, from around Double Island Point in the south to the mouth of the Burrum River in the north, & west to Bauple Mountain.





Myrtle Rust

Myrtle rust is a rust fungus from South America.

Photos by Dr Geoff Pegg & Dr Louise Shuey from DAF





Myrtle rust attacks trees & shrubs of the Myrtaceae family.

Many of these trees & shrubs are edible, medicinal & culturally significant to the Butchulla community. Myrtle rust threatens the health of our country, the habitats of our fauna & our ability to practise culture.





Connections & Collaboration

The Butchulla Land & Sea Rangers have developed strong connections with many organisations. We all share the same goal & work collaboratively to care for country.



Establishing myrtle rust monitoring plots with DAF

We surveyed heath, paperbark wetland & woodland country on southern K'gari that had been burned during the wildfire in November 2019.



Table 4: *Melaleuca quinquenervia* plot assessments for *Austropuccinia psidii* impact at different sites across fire-affected areas on K'gari

Site	% trees infected	% infected trees with dieback
Sheep Station fire break	76	26
Broken Bridge	66	45
Garry's Anchorage	68	38
Inskip	68	41
Jabiru	76	36

RESULTS

collated by Dr Geoff Pegg & Dr Louise Shuey from DAF



The Devastating K'gari Wildfires of 2020



HOT BURN (K'gari wildfires 2020) =



High, hot flames

Thick, dark smoke

Canopy destroyed





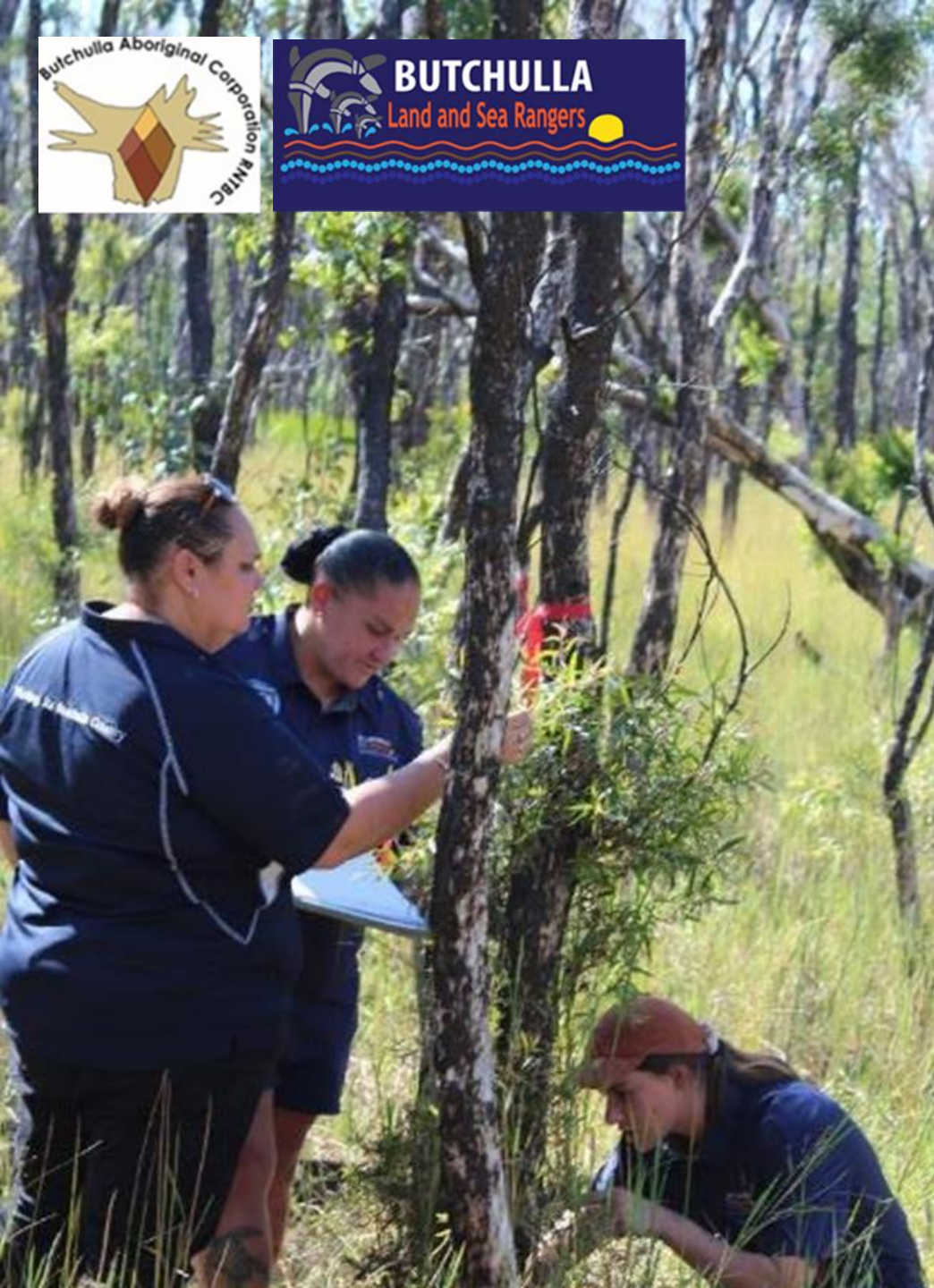
= UPSIDE DOWN COUNTRY (STRESSED TREES)
on K'gari after 2020 wildfire

= EPICORMIC REGROWTH





= FOLIAGE SUSCEPTIBLE TO
MYRTLE RUST





Light, white smoke

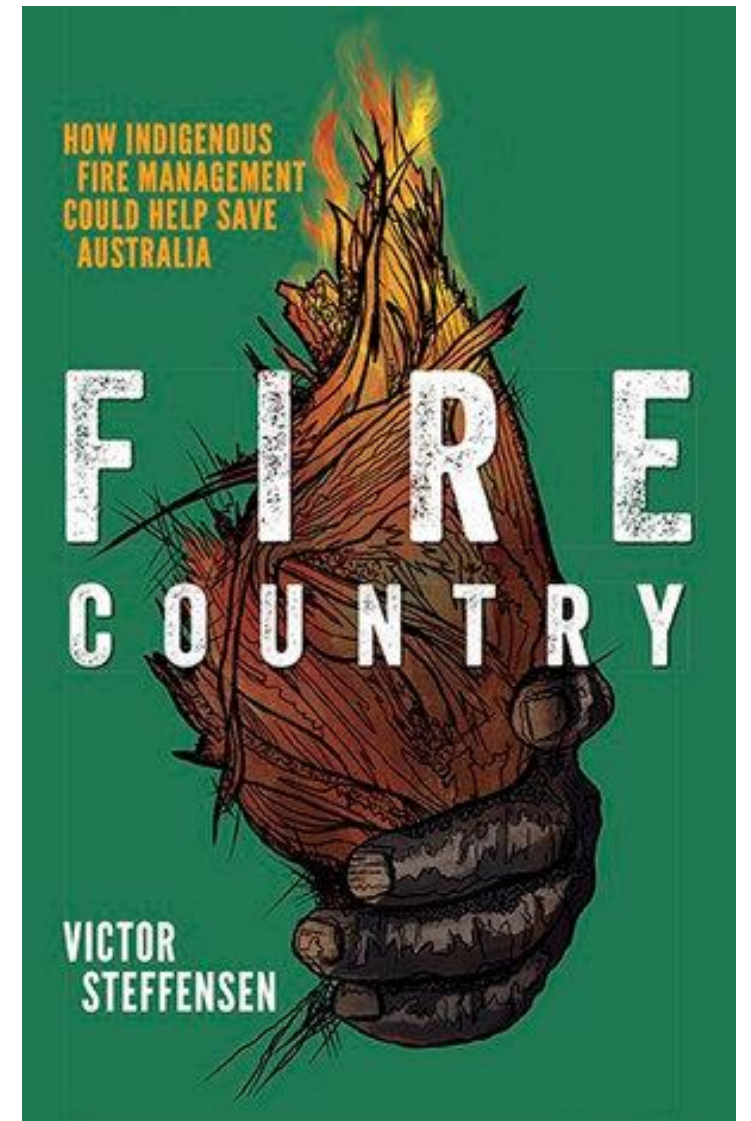
Canopy is untouched

Tree is not stressed

Custodians caring
for country

Low, cool flames

CULTURAL FIRE
MANAGEMENT







The Butchulla Land and Sea Rangers are working on the following projects, which the Australian Heritage Grant is funding.

1. Develop & deliver forest biosecurity, pest & pathogen training package
2. Develop forest surveillance guideline & reporting plan
3. Forest surveillance, myrtle rust assessment & seed collection
4. Increase networking & promote environmental biosecurity awareness & action to protect K'gari (& associated values) from biosecurity threats



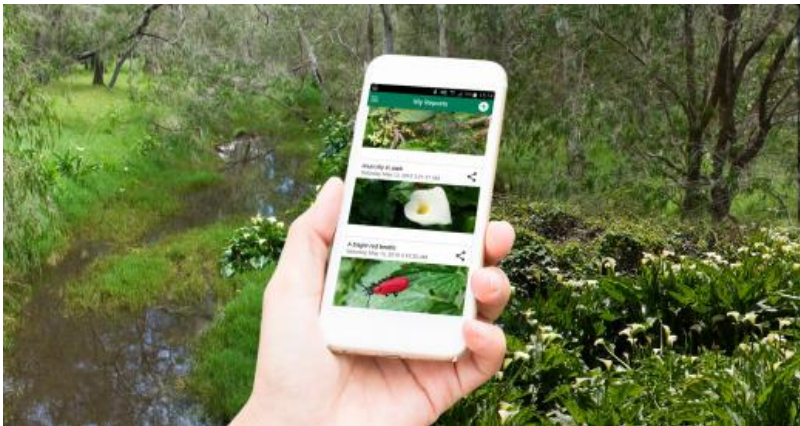
The Butchulla Land and Sea Rangers are working on a project, Environmental Biosecurity – Adding a Cultural Context, which the Plant Biosecurity Science Foundation is funding.

1. Developing an ‘Environmental Biosecurity – Caring for Country’ module for the module Junior Ranger Program & delivering the module at a local primary school
2. Increasing capacity to recognise, assess & report myrtle rust & collect germplasm of Myrtaceae species on K’gari
3. Document the cultural values of flora on K’gari, with a strong focus on the Myrtaceae family

Names:	Photograph	Cultural values	Environmental biosecurity threats	Environmental biosecurity action
1. Butchulla				
2. Common		(brief description of cultural significance)	(weeds, pests & pathogens)	
3. Botanical				



Filming for Totally Wild
The Butchulla Land & Sea Rangers vs. Myrtle Rust



Our Vision for the Future

Economic empowerment for Butchulla commUNITY. Sustainable solutions for Butchulla country = Butchulla culture & custodianship.



Galangoor nyin (thank you)
&
nhaa nyin bana
(see you later)!

