



Tāne's Tree Trust

NATIVE FORESTS FOR OUR FUTURE

Hereherea te Wao-nui-a-Tāne

NEWSLETTER

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O Tātou Ngāhere

CONFERENCE: REGENERATING OUR
LANDSCAPE WITH NATIVE FOREST

27-28 October 2022

Te Papa Tongarewa | Wellington | NZ



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The countdown is on until we are at Te Papa Tongarewa for the O Tātou Ngāhere conference. Limited tickets are still available PLUS there is the option to join us virtually if you prefer. All the details can be found on the website www.otatoungahereconference.org.nz.

The conference could not be possible without the support of our key partners and sponsors, who we would like to acknowledge below. There is still time to join us and become a sponsor - for details visit the website or email office@tanestrees.org.nz.

GET TICKETS

To get your tickets (in person or virtual),
see the full programme & speaker list,
visit the website
www.otatoungahereconference.org.nz



BECOME A SPONSOR

Come join the movement to regenerate
native forest in Aotearoa.
To become a conference sponsor or make a
koha donation visit the [website](http://www.otatoungahereconference.org.nz) or email
office@tanestrees.org.nz.

Our Partners

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TREES THAT COUNT
TE RAHI O TĀNE



Te Uru Rākau

New Zealand Forest Service



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YOU'RE INVITED TO THE 2022 AGM

When: Wednesday 26th October 2022, from 4:30pm-5:30pm

Where: Mac's Brew Bar, Wellington Waterfront (4 Taranaki St, Wellington)

Join us for our AGM the day before the O Tātou Ngahere Conference. An agenda and AGM report will be sent out prior to the meeting. Space is limited so **please register for free by 19 October online here agm-2022.eventbrite.co.nz** or email office@tanestrees.org.nz.

We look forward to seeing you!



A PRACTICAL GUIDE TO MANAGING TŌTARA ON PRIVATE LAND

Written by Paul Quinlan, Trustee



READ THE LATEST CHAPTER:
Planting & Establishing Tōtara
Here bit.ly/3AZjAUJ or on the
Publications section of the TTT website

This is the latest topic covered in our free web-based manual. Topics such as planting, pruning, thinning, sustainable harvesting and management, are comprehensively covered, and four chapters have been posted on the Tāne's Tree Trust website. Instructional videos are planned to complement the written content – so keep checking for new content under 'Outputs' on the project page (Projects tab on website).

PLUS a new video - "Freestyle silviculture in natural tōtara forests", by Ian Brennan, which you can view here - vimeo.com/748899167

You can view all the other videos from the series on Vimeo - vimeo.com/user133765969.

The contact for this project is Trustee Paul Quinlan : pdq@pqila.co.nz

Right: Healthy 1-year-old tōtara seedlings produced by the Te Kotahitanga e Mahi Kaha Trust in Kaikohe.



ADAPTIVE MANAGEMENT OF COASTAL FORESTRY BUFFERS – SUSTAINABLE FARMING FUND PROJECT COMPLETED

Written by Meg Graeme, Project Lead - Natural Solutions, meg@ecologist.nz

Historically dunelands of the northern North Island would have had narrow frontal dunes with sand binding grasses/sedges, closely backed by a wind-swept buffer of hardy coastal shrubs and trees dominated by pōhutukawa. Behind the shelter of this hardy frontal forest a diverse coastal forest would have occurred including species less tolerant of the salty winds of the open coast such as pūriri, kohekohe, taraire, totara, tawapou and karaka.

These coastal dune forest sequences are now missing from the upper North Island dunelands. Exotic buffers largely comprising radiata pine, but with occasional rows of macrocarpa and Norfolk Island pines, have been used from at least the 1960s as a replacement for the loss of the native protective buffer vegetation. This has allowed the successful establishment of production pine plantations on the more landward dune systems. These exotic buffers are however beginning to fail as they age and lose vigour due to the relentless harsh conditions.

Our upper North Island trials found that utilising the shelter of existing pine buffers allowed various planted coastal canopy forest species to survive compared to survival in the open. This means a diversity of canopy tree species can be directly planted without having to first establish a native pioneer cover (as generally required in coastal restoration plantings).

Field surveys found the width of the coastal buffer affected by coastal climatic conditions varies between the upper North Island east and west coast. West coast coastal vegetation increases in height more slowly with distance inland due to harsher coastal conditions (wind/salt exposure). The lower vegetation wedge angle means a wider buffer is required to provide significant height and hence protection to inland land uses.



Above: Lone remnant pōhutukawa providing a glimpse of our lost coastal dune forests.



Above: The planted pōhutukawa and pine buffer along Te-Oneroa-a-Tōhē/Ninety Mile Beach, Northland. Note the narrow seaward zone of pohutukawa planted over 30 years ago by the NZ Forest Service that provides a good example of how a native forest buffer can be successfully established. However, this zone needs to be 2-3 times wider to provide adequate protection to the inland pine production forest..

If diverse wide buffers of native coastal dune forest can be re-established it would provide a more sustainable protective buffer to inland land uses. This would be based on the buffer supporting long-lived coastal forest species and higher diversity, thus providing greater resistance to withstand the effects of climate change including increasing droughts, storms and wildfires compared to the current ageing pine dominated forest buffers.

The utilisation of existing shelter from exotic pine buffers may help speed up the re-establishment of diverse native coastal forest back into these highly modified and threatened dune environments.

Based on what we have learnt from this project Tāne's Tree Trust has developed a series of Preliminary Technical Guidelines to inform duneland managers about options and issues around how to transition exotic planted duneland buffers to indigenous coastal forest. These will be updated as new information becomes available.

The guidelines are now available on the Tāne's Tree Trust website under publications or here bit.ly/3Qpckaf

This project has been funded by the Ministry for Primary Industries' Sustainable Farming Fund with support from the Coastal Restoration Trust of NZ, Coastcare groups, iwi and exotic production forestry companies.

LESSONS FROM THERMOPYLAE

Written by Ian Brown, Trustee

We have all been brought up with the story of the heroic battle of Thermopylae, in Ancient Greece. If you visit Thermopylae today, with an image in your mind of the narrow pass where 300 Spartans fought and died in defence of their country, you may be disappointed. The pass is gone. However there is a message for us in the modern landscape of Thermopylae.

Read the full story from trustee Ian Brown on our website under bulletins or this link bit.ly/3cWOUv6



Check out all our FREE resources online at www.tanestrees.org.nz/resources

INTRODUCING NEW TRUSTEE: WAYNE O'KEEFE

We are excited to announce that Wayne O'Keefe was welcomed to our team of trustees in April 2022. Below is some background about Wayne. Welcome to the TTT team Wayne!

Kia ora. Born and raised in South Wales, UK, I moved to Aotearoa NZ in 2000. I spent a few years living in the Waitakere Ranges, where I was employed by Geoff Davidson at Oratia Native Plant Nursery. This was life changing for me, as it was here that I started to develop my passion for NZ biodiversity, especially native plants. After our first daughter was born in 2003, we moved to Ōpōtiki in the Eastern Bay of Plenty.

In Ōpōtiki, we were blessed to have been temporary guardians on a QEII covenanted property that was home to a diverse range of plants including 1,000 year old puriri. We were there for 14 years, and during this time I gained many insights due to living in such close proximity with the forest, being able to observe its changes up close. Being responsible for its care through predator control, weed control and replanting, I was able to see the difference this made at many levels. It also proved to be a great place to raise children, with both my daughters now having a strong connection to the land.



In 2004 I started my business, Indigenous Landscape, specialising in environmental restoration services. In this time, I have been fortunate enough to gain a variety of skills whilst working alongside landowners and community conservation projects, supporting them to achieve their desired conservation outcomes.

Currently, I am Operations Manager for Bay Conservation Alliance and Co-Chair of the Whakatāne Kiwi Trust, which is a voluntary role. I now live in Whakatāne with my partner, two daughters, and our dog. For fun, I enjoy walking/tramping, tu-tuing in the garden and playing guitar.

It is both humbling and an honour to have been invited to become a Trustee with Tane's Tree Trust. Having particular interests in forest ecology, regeneration, re-forestation, and especially the impacts that predators and browsers have on the long term health of the ngāhere. Whilst we recognise the impact from a biodiversity perspective, do we fully understand the impact they have on our ability as a country to meet our climate change goals. I very much look forward to contributing to the amazing mahi that TTT has done to date. Ngā mihi.

DONATIONS: A note from the Treasurer - all members should be aware that all donations (but not subscriptions), are eligible for a 33.33% tax rebate on your income tax. If required, we can send a receipt of donation for you to submit to IRD with your tax return.

SUBSCRIPTIONS: Membership renewal notices are sent annually on April 1st via email or post. Members can access all resources at www.tanestrees.org.nz/resources. If you need to update your contact details, simply email us office@tanestrees.org.nz.