



2025 Coastal Restoration Trust Conference

Taihuanui - A Bountiful Coast

The background of the lower half of the page is a photograph of a wide, dark sand beach. In the distance, there are dark, rugged mountains under a clear blue sky. The ocean waves are visible on the left side of the beach. A large, light blue wave graphic is overlaid on the top half of the image, separating the text from the photograph.

Ūawa Tolaga Bay
12-14 March
2025

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The Coastal Restoration Trust of New Zealand

The Coastal Restoration Trust is a nationwide organisation and was originally established as the Coastal Dune Vegetation Network in 1996. It evolved into the Dune Restoration Trust in 2007 and in 2016 became the Coastal Restoration Trust of New Zealand/Tāhuna ora, to embrace our widening focus of coastal restoration work.

Our aim is to support and encourage the development of cost-effective practical methods for coastal communities and management authorities to restore natural coastal ecosystems including the natural form and function of coastal dunes.

The Coastal Restoration Trust brings together the knowledge and experience of coastal scientists, communities, iwi/hapū, management authorities, industry and science agencies to protect and restore coastal ecosystems.

Our vision:

- To see the majority of New Zealand's coast restored and sustainably managed using indigenous species

Our goals are:

- Provide a network for information exchange on sustainable management of dunes and coastal ecosystems
- To facilitate research on NZ coastal and dune ecosystems
- Promote public awareness of proven methods for protection, restoration, conservation and sustainable management of coastal and dune ecosystems.

To achieve these goals we:

- Organise an annual conference and workshops to discuss issues, share information and hear the latest research
- Maintain a website where information is free and easily accessible, and which hosts community coast care web pages
- Commission research projects and offer a student scholarship
- Produce technical bulletins and articles detailing best practice methods for dune restoration.

The Coastal Restoration Trust - Our People

The Coastal Restoration Trust of New Zealand's board currently has 13 trustees from a wide range of backgrounds, organisations and locations around the country. The Trustees have long term experience in a wide range of fields, such as botany, dune morphology, raranga, governance and community restoration projects

Tiamana (Chair)

Chair Laura Shaft - Senior Biodiversity Advisor – Coastal, Northland Regional Council

Kaitiaki moni (Treasurer)

Treasurer Jenny Carter - Chartered Accountant, Auckland

Kaumātua

Taiporutu Huata, Ngāti Apakura, Ngāti Hikairo, Puurekireki Marae – Coastal Restoration Trust.

Trustees

Dr David Bergin - Restoration Ecologist, ERL, Rotorua

Greg Bennett - Stormwater Engineer, Tasman District Council

Alison Waru - Dune Restoration, Uāwa-Tolaga Bay, East Cape

Jo Bonner - Coastlands Plant Nursery, Whakatane

Jason Maguiness - Principal Ranger, Auckland Council

Moniqua Nelson-Tunley - Senior Biodiversity Officer, Waikato Regional Council

Graeme Atkins - Te Rimu Environmental Consultancy, East Coast

Graeme La Cock - Technical Advisor, Dept. of Conservation, Wellington

Lyle Mason - Sheep and beef farmer, Southland Waikato Regional Council

Tim Park - Manager, Ōtari - Wilton's Bush, Wellington

Betsy Young - Te Whakakohatu Maori Women's Welfare League branch

Contractors

Robyn Smith - Kaiwhakahaere Administrator

Stella Peg Carruthers - Kaitohutohu Whakapā/Communications Advisor

The Coastal Restoration Trust's waiata was composed by Sir Derek Lardelli and kindly donated to us at our 2016 conference in Gisborne.

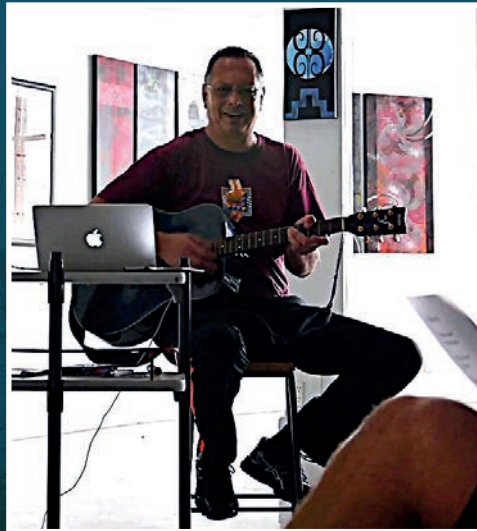
Tāhuna Ora Waiata

Tāhuna Ora

Tai timu, tai pari
Tai mata tāhuna
Piri tata, piri tahi
Piri kia ora
Mō āpōpō,
mō ake, ake tonu rā

Dunes, strong and vigorous

Tides that ebb and flow
Caressing the bank's brow
Stand together and embrace as one
To ensure survival for tomorrow,
for the future, through the
eons of time.



Conference Organising Committee

Alison Waru - Coastal Restoration Trust Trustee

Kaaterina Kerekere - Te Whare Hauora o Te Aitanga a Hauiti

Jo Bonner - Coastal Restoration Trust Trustee

Robyn Smith - Coastal Restoration Trust Administrator

Oriana Rojas – Gisborne District Council

Graeme Atkins - Coastal Restoration Trust Trustee

Laura Shaft - Chair, Coastal Restoration Trust

Jenny Carter - Treasurer, Coastal Restoration Trust

Stella Carruthers – Communications Advisor, Coastal Restoration Trust

Nori Parata - Principal, Tolaga Bay Area School and Kahukuranui

Barry Huhu - Gisborne Intermediate



Conference Contact Numbers

In an emergency dial 111 and let the conference organisers know about the emergency as soon as possible after calling.

For any other Health and Safety issue, contact Oriana Rojas at 027 541 8926

Nearest local Health Care

Provider

Ūawa Community Health Center
40 Banks Street
Tolaga Bay 4077

Nearest AEDs (defibrillators)

Tolaga Bay Holiday Park
167 Wharf Road
Tolaga Bay

Ngā Whānau Whānui Te Kohanga Reo
1 Tauwhareparae Road
Tolaga Bay

Nearest hospital

Gisborne Hospital
421 Ormond Road
Gisborne

Te Aitanga a Hauiti
47 Cook Street
Tolaga Bay

First Aid Kit locations

Hauiti Marae



The Venue - Hauiti Marae

Our conference venue is Hauiti marae which is located at 29 Hauiti Road in Ūawa Tolaga Bay. Hauiti marae's iwi is Te Aitanga a Hauiti.

It's principal hapū are Ngāi Tutekohi and Ngāti Kahukuranui of Te Aitanga a Hauiti iwi.

The whareniui is Ruakapanga and connects ancestrally to four waka - Horouta, Nukutaimemeha, Takitimu and Tereanini, the maunga Titirangi, and the awa Uawanui-a-Ruamatua.



Marae protocol

Please wear smart casual clothing and gather at the waharoa/marae entrance by 8.15am

Manuhiri/visitors will be welcomed on with a karanga/formal welcome call. Women should be at the front as we walk onto the marae, men behind.

One of the tikanga we follow is giving a koha to the marae to express our gratitude to our hosts. You are welcome to also koha the marae.

Seating is to the right. Men should sit at the front. Women should sit behind the men.

Whakatau:

No shoes are to be worn in the whareniui.

No photos or videos can be taken in the whareniui.

No alcohol or recreational drugs are allowed on marae grounds.

If you are unsure of what to do, please follow others. The words of our Tāhuna Ora waiata are in the conference handbook on page 4. You are most welcome to sing with us.

Welcome from the Chair

Nau mai, haere mai, welcome to the 2025 Coastal Restoration Trust Conference: Taihuanui - A Bountiful Coast.

Once again we have a very full and varied conference programme. There is an incredible line-up of presentations covering local and national issues, including our two key-note speakers: Dr Murry Cave, on the erosional impact of the current storm cycle on the coastal environment of Gisborne/ Tairāwhiti and Dr Wayne Ngta on Mātaiao: Observations, reflections and predictions of a changing world. There are also several field trips including Kaitawa estuary and Anaura Bay and a variety of interactive workshops.

I would like to say Ngā mihi nui - thank you very much to everyone who has contributed to making this conference happen. Many thanks to all our generous sponsors who have made it possible for us to hold the conference and keep the registration fees affordable. In particular, to our principal sponsor Trust Tairāwhiti and Silver sponsor Gisborne District Council. Your commitment to coastal restoration and community



engagement is truly appreciated. Thanks also to all our speakers, workshop facilitators and to everyone for attending. I am very grateful to our organising committee led by Alison Waru and Katarina Kerekere, with amazing admin support and coordination by Robyn Smith. Thanks also to Wayne Huata for stepping in to help. All of your hard work and dedication have made this conference possible.

There was such good feed-back from our marae-based conference in Kāwhia last year and we are very lucky to again have the opportunity to hold the conference on marae. This time at the beautiful Hauiti marae at Ūawa, Tolaga Bay. I look forward to catching up with everyone over the course of the conference.

Ngā manaakitanga,

Laura Shaft

Tiamana – Chair, Tāhuna Ora - Coastal Restoration Trust of New Zealand

Sponsors

The Coastal Restoration Trust of New Zealand thank the following conference sponsors and donors, without whom this conference and the on-going success of the Trust would not be possible.

Principal Sponsor

Trust Tairāwhiti is the regional community trust, with a strategic focus on community initiatives, economic development and providing for future generations in Tairāwhiti. We invest in the wellbeing of our people, the success of our businesses and the future of our region. Since its inception, the Trust has distributed, invested or delivered \$158 million to a diverse range of initiatives and operation.



Silver Sponsor

Gisborne District Council supports community groups to restore local dunes along Wainui, Okitu, Makorori, Anaura Bay, and Kaiti Beach. This includes plant orders, workshops, seed collection, and maintenance assistance. The collaborative initiative empowers communities to enhance coastal ecosystems, promote biodiversity, and protect natural habitats, fostering a sustainable environment for future generations while strengthening community ties through shared stewardship of vital coastal areas.



Special Event Sponsors

SCG provides purpose-defined creative, content, print and delivery services for any sized project. SCG's print capabilities combines top technology with passionate experts for billboards, business cards, vehicle wrapping or brochures. SCG is sponsoring the printing of our conference handbook.



Southlight Studio combines the talents of artist Janet Andrews & photographer Simon Hoyle. Based on the seafront in Days Bay, the studio is a gallery & working space for their creations. Janet is a well-known NZ watercolour artist but along with her background as a geologist & zoologist, she has embraced the values of coastal restoration. Simon has been a professional photographer for most of his career & specialises in black & white environmental portraits. Originally trained as a mining engineer, he has combined with Janet to create short entertaining videos on various subjects. In 2021, Southlight was contracted & funded by DOC & CRT to produce a series of 14 videos on Coastal Restoration issues in New Zealand. Southlight are the official photographers for the Ūawa conference 2025.



Connovation is a world leader in the research, development and manufacture of invasive animal pest control technologies. Connovation specialises in possum control and rodent control but also has products for the control of stoats, ferrets and weasels and specialised target specific products for wallaby pests. Whether you are an individual, a contractor, or a land care group, Connovation can isolate your problems and provide the right products for your needs. They put a real focus on research and development, and strive to create products that are eco-friendly, humane and practical. Connovation is sponsoring the conference dinner.



Special Event Sponsors

Parata Limited was established in April 2023 post Cyclone Gabrielle. As a civil roading contracting company based on the coast, it is 100% Maori owned and operated. With two additional companies to its name, Parata Limited supports local entrepreneurship. Their company Kurawai, supplies and delivers drinking water between Potaka and Ūawa while Waihanga is a trade services business- facilitating building, electrical and plumbing work. Parata Limited is sponsoring a lunch at the conference.



Te Whare Hauora o Te Aitanga a Hauiti is a Māori health promotion, education, advocacy and support agency based in the beautiful landscape of Ūawa, Tolaga Bay. Te Whare Hauora is sponsoring the cost of Hauiti marae. We deliver a range of promotional, advocacy, educational and support activities and services, that wrap around whānau and community which encourage healthy and safe lifestyles, sustain our environment and empower and enable whānau to improve and take ownership of their health and wellbeing. Te Whare Hauora is sponsoring the cost of Hauiti marae and is providing bags and diaries for attendees



Coastlands Plant Nursery is New Zealand's national coastal sand dune revegetation centre specialising in foredune and back dune plant species. Coastlands have a specially built propagation facility in Eastern Bay of Plenty producing around 500,000 plants annually for large environmental projects, coast care groups, councils and private landowners. Coastlands are sponsoring a lunch at the conference.



The Native Garden Nursery was established in 1995. The Native Garden Nursery has become a trusted provider of quality native plants and expertise for local projects, and is now owned by Rongowhakaata Iwi Trust, supporting their vision to protect and nurture the natural environment. The Native Garden Nursery is sponsoring a morning tea at the conference.



Conference Supporters

Established in 2002 in Northland,

Mountains to Sea Conservation Trust (MTSCT) sees education as a vital part of society and central to all environmental restoration. Their marine and freshwater programmes involve young people, their parents and the wider community. These programmes reinforce simple concepts such as the uniqueness of marine & freshwater biodiversity and provide an active focus on conservation. By making schools a focal point, both meaningful learning and long-term behaviour change is supported for both today's and tomorrow's generations.

MTSCT have also established the Wai Connection – Tatai Ki Te Wai Project, a MfE-funded catchment community engagement project that works with freshwater management. It aims to support a shared vision of ecological sustainability as the basis of a healthy community.



Wildland Consultants is a progressive ecological consultancy committed to the care and enhancement of our natural environment. They provide specialist skills in relation to ecology and biodiversity, services include ecological evaluations and solutions, ecological survey and monitoring, ecological restoration, pest plants and animals, wetland restoration, fauna restoration management plans and salvage.



Hertz Gisborne, part of the Global Hertz Network, is proud to be a locally owned and operated business servicing the vehicle hire needs of the wider Gisborne region for more than twenty-five years with a modern, safe and versatile private & commercial vehicle fleet. Hertz Gisborne is providing a discount to any conference attendees hiring vehicles for the conference.



Conference Supporters

The Department of Conservation is working with iwi, community, organisations and business partners to achieve more in conserving our natural and historic heritage. Follow DOC Tairāwhiti on Facebook.



Daltons are a nationwide supplier of potting mixes and landscape products and have a state of the art manufacturing plant. Daltons are recognised throughout New Zealand for their Quality Assurance Programme, outstanding customer service and utilisation of natural and renewable resources. Daltons have been supporting the Coastal Restoration Trust's conference for many years.



Riverside Horticulture is a leading plant nursery specialising in contract growing for large-scale restoration projects. With expertise in growing native coastal species for dune stabilisation and ecological restoration. They produce around 2 million plants annually.



Plant Propagation Systems is designed to revolutionise the way growers operate by not only boosting efficiency and productivity but also creating environmental sustainability through the elimination of plastic pots and bags traditionally used in propagation.



Speakers

Day One Taiporutu Huata

Ngati Apakura, Ngati Hikairo, Puurekireki Marae

Tai Huata

Tai Huata is the Chair of the Puurekireki marae committee and is the director of TaiMauri Education Services and is the kaumatua for Tahuna Ora - Coastal Restoration Trust. Tai will be speaking for CRT at the powhiri.



Welcome to Ūawa - Wayne Ngata

Dr Ngata

Dr Ngata is a practitioner, advocate for and supporter of kaupapa Māori and kaupapa taiao education, Tairāwhiti hauora and art initiatives, haka and mōteatea, and our stories.



Laura Shaft

Coastal Restoration Trust Welcome to the conference

Laura, as Chair of the Trust, will open and welcome everyone to the conference and introduce the trustees and conference committee. Laura will also give a brief introduction to the Coastal Restoration Trust - Tāhuna Ora and introduce the conference video produced by Southlight Studios.



Laura Shaft

Laura Shaft is the Chair of the Coastal Restoration Trust. She attended the 2008 conference in Whanganui missing only one conference since and first became a trustee in 2012. Laura has run the Northland Regional Council Coast Care programme since 2007,

supporting groups around the region to undertake coastal restoration work and providing restoration plans and advice. Laura has been extensively involved in education and advocacy on dune and coastal protection and restoration and has been on several stake-holder groups on beach issues including vehicles on beaches.

Dr Murry Cave (KEYNOTE SPEAKER)

Principal Scientist, Gisborne District Council

The erosional impact of the 2017-present Storm cycle on the coastal environment of Gisborne/Tairāwhiti

Since 2017 the Gisborne-Tairāwhiti region has experienced multiple storms many of which have had a strong coastal impact. Significant shoreline changes have occurred at many sites as a result ranging from damage to a legacy land fill at Te Araroa, erosion of Urupa at Anaura Bay and Whangara, damage to council facilities at Tokomaru Bay, beach erosion at Wainui Beach, at Sponge Bay and coastal retreat of the dune system at Tolaga bay. The impact at these various sites have been variable with some showing incremental change over time while others have experienced instantaneous change as a result of specific storms, particularly those associated with strong storm surge



events. The response depending on the situation has been to defend (Te Araroa Landfill, Araua and Whangara Urupa, and Wainui Beach), protect through soft engineering (Tolaga Bay South), and monitor and retreat (Tokomaru Bay, Sponge Bay, and Tolaga Bay north). The underpinning drivers differ from site to site with sediment supply and transport a key element although more work is required to fully understand these underpinning mechanisms.

Dr Murry Cave

Murry Cave is the Principal Scientist at Gisborne District Council where he has a strong focus on natural hazards and the environmental response to severe events. A particular interest has been in the landscape response to severe storms and the role of land use in driving landscape change. This includes landslide distribution and style over time, and the relationship to landuse and

vegetative cover. The unfortunate propensity of the landscape response to severe weather events has been the generation of and migration of large woody debris from steep inland forests (particularly planation forests) through the catchments to the coastal environment, and dealing with this wicked problem occupies far too much of Murry's time.

Speakers

Dr Amber Dunn

Te Aitanga ā Hauiti,
Te Whanau ā Apanui, Ngai Tāmanuhiri
Environment and Science Manager,
Gisborne District Council

Making the invisible visible: the nature of sand is to move

The Tairāwhiti region is rich in golden sand beaches lined with small and large sand dunes between prominent headlands. The sand our beaches and dunes are made of is designed to move, and as a result, our beach and dune ecosystems are highly dynamic – they constantly change or adjust their form and shape with changes in wave energy, nearshore currents, and winds. These changes in shape or morphology manifest as the natural processes of erosion and accretion and represent the natural functioning of beaches and dunes.

The preservation, protection and restoration of beaches and dunes (and their associated natural character and surf breaks) requires a good understanding of the interconnected natural shoreline processes that span high wave energy, generation of ocean



currents, the incessant movement of sand and the resulting changes in beach morphology. This paper focuses on the importance and purpose of natural sand movement and makes visible the invisible 'underwater' component of sand movement.

Dr Amber Dunn

Dr Amber Dunn is a qualified coastal scientist and currently works as the Environment and Science Manager at Gisborne District Council. She completed both her Masters and PhD degrees at the University of Waikato and this included studying the coastal erosion hazard at Wainui Beach and coastal storm activity along the eastern North Island. Amber is also a former New Zealand surfing champion and happily calls Wainui Beach 'home'.

Speakers

Victor Walker

ONZM, JP, Te Aitanga-a Hauiti

The Ūawa Environmental Sustainability Project

The Ūawanui Environmental Sustainability Project was born in 2010, and is a 100 year environmental strategy that was co-designed and organised from a desire by Te Aitanga-a-Hauiti and the Ūawa Community to build a shared vision for the management of their Ūawa catchment and coastline. What started as an Ūawa riverside project grew into a 56,000 hectare Ūawanui catchment strategy. The strategy is called 'He Manawa Whenua, He Oranga Tangata – Healthy Environments. Healthy People. Victor will cover how the project will enhance the environment, community and economy of Ūawa for future generations and to grow local eco-cadets and scientists.



Victor Walker

Victor is committed to realising success in whānau, hapū, marae, and iwi. His passion for unrelenting achievement for Māori was forged on the fulcrum of marae, whanau and hapu cultural and socio-political challenge and response.

He has over 45 years of involvement in the cultural, educational and economic affairs of whānau, marae, hapū and iwi. He has supported and facilitated Māori hui across the broad spectrum of kaupapa.

He is a trustee of Puketawai Marae and the chairperson of E Tipu Kohanga Reo. He is the trustee advisor for the Ūawanui Environmental Sustainability Project. Victor is also a Kaikōrero (speaker) for the marae in Ūawa (Tolaga Bay) and is a student of Mōteatea (tribal poetry).

Tim Park

Coastal Restoration Trust trustee

Coastal Restoration Trust Resources and Workshop on iNaturalist - the ins and out of recording ecological observations

Tim will provide an overview of the resources that the trust provides. This includes lots of web based material that is easily accessible and designed to reduce barriers to best practice coastal restoration by local communities and professionals like. Our planting calculator, reference database, handbook, monitoring all feature as well as other useful online resources.



Tim Park

Tim Park is the manager at Ōtari Wilton's Bush, a native botanic garden and forest reserve in Wellington. He was formerly the Environment Partnership Leader for Wellington City Council. Tim previously worked at Greater Wellington Regional Council supporting the protection and restoration of coastal ecosystems, wetlands and lowland forest remnants. Tim is an avid plant ecologist dedicated to Te Taiao.

Speakers

Dr David Bergin

Environmental Restoration Limited, Coastal Restoration Trust trustee Coastal Restoration Trust Projects

David will provide an update about the Trust's current projects including the Tūhaitara Coastal Park project and the first of a 'How to' series of videos. This first video is centered on the Kapiti Coast.



Dr David Bergin

David is a restoration ecologist covering a range of ecosystems including coastal sand dunes, riparian areas, shrublands and forests focusing on the planting and management of native plants. He is Senior Scientist and Director of Environmental Restoration Ltd and has over 40 years of experience in restoration to meet

multiple purposes from enhancing indigenous biodiversity and management of cultural resources, to sustainable production potential of planted native forests. He is founding trustee of both the Coastal Restoration Trust of New Zealand and Tane's Tree Trust, and is Science and Technical Advisor for Trees That Count of The Project Crimson Trust.

Janet Andrews & Simon Hoyle

Southlight Studio

Coastal Restoration Trust short video series

Janet and Simon will show a short selection from the video series they produced with the Coastal Restoration Trust which are freely available on our resources page on our main website



Southlight Studio

Southlight Studio combines the talents of artist Janet Andrews & photographer Simon Hoyle. Based on the seafront in Days Bay, the studio is a gallery & working space for their creations. Janet is a well known NZ watercolour artist but along with her background as a geologist & zoologist, she has embraced the

values of coastal restoration. Simon has been a professional photographer for most of his career & specialises in black & white environmental portraits. Originally trained as a mining engineer, he has combined with Janet to create short entertaining videos on various subjects. In 2021, Southlight was contracted & funded by DOC & CRT to produce a series of 14 videos on Coastal Restoration issues in New Zealand.

Speakers

Distinguished Professor Dame Anne Salmond

**Tai Timu, Tai Pari (The Ebb and Flow of the Tide):
Rivers, Estuaries and the Ocean**

Drawing on the 'Let the River Speak' Marsden research project and what happened in Tairāwhiti during Cyclone Gabrielle, this presentation will question the partitioning of the scientific project in relation to land, plants, animals, people, rivers and the ocean.

Focusing on the Waimatā river that runs from headwaters inland from Ūawa



to the heart of Gisborne city and the ocean, and on the Waikereru restoration project, it will discuss

the potential for transcultural, transdisciplinary ways of thinking in exploring the complex interactions among different living systems, and regenerative experiments.

Dame Anne Salmond

Dame Anne Salmond is a Distinguished Professor in Maori Studies and Anthropology at the University of Auckland. In 2013 she won the Rutherford Medal, New Zealand's top scientific award, and became the New Zealander of the Year. She is a Foreign Associate of the National Academy of Sciences in the US, Corresponding Fellow of the British Academy, and Foreign Member of the American Philosophical Society. In 2021 she was awarded the Order of New Zealand.

Dame Anne has a long engagement with environmental issues. In 1990 she became Deputy Chair of the Parks and Wilderness

Trust, and in 1999 she and her husband Jeremy established the Waikereru Ecosanctuary in Gisborne (www.waikereru.org). She served on the Air New Zealand Sustainability Panel, and led the Te Awaroa: Voice of the River project.

As a Pure Advantage Trustee, Dame Anne is deeply involved in the 'Recloaking Papatūānuku' initiative for restoring 2.1 million ha. of indigenous forests across Aotearoa; and with Dr. Dan Hikuroa, is co-Principal Investigator in the 'Let the River Speak' Marsden research project. She currently has a Humboldt Fellowship to investigate climate change & forest and river restoration policies in Germany and the EU.

Speakers

Dr Jennie Harré Hindmarsh

Wainui Beach Coast Care group

Community-led coast care: Musings from the beach

Around the country, more and more community-led coast care groups are initiating and taking responsibility for the restoration of remnant dune systems, estuaries, wetlands and stream mouth ecosystems along our beaches and coastlines. Many are proactively engaging the support of their local authorities in this endeavour, and sometimes other organisations. And increasing numbers are collaborating with or morphing into catchment-wide community groups in response to coastal challenges associated with cumulative impacts of decades of in-land mismanagement and climate change. In this interactive session we will reflect on this increasingly critical phenomenon of 'community-led coast care' - sharing the outcome of our musings from the beach about:

What triggers a community to set up a coast care group?

What empowers and sustains coast care groups to be effective over time? And

What frustrations or issues challenge coast care groups the most over time?

In-a-brief-nutshell, I will summarise my musings about these questions in relation to the ebbs and flows of our Wainui Beach coast care group/network over the last 15 years. And from musing on your experiences with community-led coast care groups, conference participants will be invited to share your (brief bullet-point) observations of key factors associated with triggering the establishment of coast care groups, and key factors that empower, sustain and challenge groups over time.



Dr Jennie Harré Hindmarsh

Jennie Harré Hindmarsh (Pākehā) grew up in a rural community near the Rangitikei River, during which she loved visiting coastal cousins in Te Tairāwhiti, to which finally relocated 20 years ago, fulfilling a lifelong dream. After (considerable) decades of working interculturally in strategic and programme development roles in national and regional organisations (including universities, the College of GPs, Te Papa Tongarewa, and latterly Ngāti Porou Hauora), Jennie is now enjoying the chance in her 'retirement years' to draw on skills and networks developed whilst employed across the education, social services, health, research and heritage sectors to contribute to community-led ecological restorations initiatives.

As a community member, about 15 years ago Jennie co-initiated the Wainui Beach Coast Care group and 'by default' continues to voluntarily co-coordinate and encourage community coastal restoration activities – which are now expanding from the dunes and stream mouths to include wider coastal catchment initiatives. As a Longbush Ecological Trust trustee, Jennie also has co-developed Waikereru Ecosanctuary's Wild Lab Taiaki Taiao programme for schools and small groups. Other current roles include as a Tairāwhiti Museum and Art Gallery Board trustee and as an advisory group member for Gisborne District Council's Waimatā-Pakarae Catchment Plan Project, Te Mātai Medical Research Institute, and the Te Tāhuna Hauora Health Quality & Safety Commission's Community Network. Jennie's educational qualifications include a PhD in education and a Tohu Maoritanga (completed whilst a Victoria University of Wellington academic), a London School of Economics MSC in social policy & social work (completed as a Commonwealth Scholar in the 1970s), and a BA Hons in social sciences from Massey University.

Facilitators

Graeme La Cock

Coastal Restoration Trust trustee
Regional Roundup facilitator

Graeme recently wrote an annotated bibliography of research on physical and ecological impacts of vehicles on beaches.

<https://www.doc.govt.nz/globalassets/documents/science-and-technical/vehicles-on-new-zealand-beaches-g-la-cock.pdf>



Graeme La Cock

Graeme La Cock Graeme is a Technical Advisor, Ecology working for the Department of Conservation, Wellington. For the last 20 years he has been a senior coastal botanist specialising in rare and endangered plants of New Zealand and a member of the Threatened

Species Unit in DOC. Prior to this, he has over 30 years' experience in South African dune systems, including botanical research, management, ecosystems, processes and impact assessments..

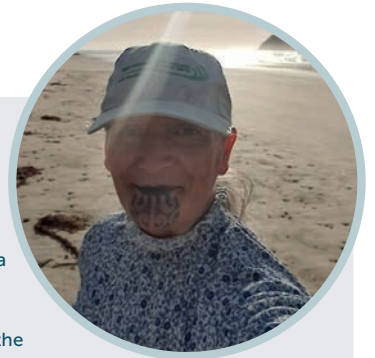
Alison Waru

Aitanga a Hauiti,
Coastal Restoration Trustee
Field trip to Kaitawa estuary
and wharf dunes

The Marae committee and Anaura Bay whanau are also wanting to establish a Marae nursery to 'grow our own' dune and native plants for our future restoration projects of which we are very excited.

Alison Waru

Having recently moved back to Anaura Bay from Kaiaua Bay, I've been given the opportunity to assist the Hinetamatea Marae Committee in the restoration of our dunes along the front of our Marae and urupa which is under threat from rising sea levels. Every Friday tamariki ages 5 - 15 years from Te Kura a Rohe O Ūawa come to Anaura to learn about the pressure that our taiao, taku tai moana and ngahere are under due to global warming, pests and the habits of humans.



Facilitators

Oriana Rojas

Open Spaces and Amenity Team
Leader,
Gisborne District Council

Field trip guide to Kaitawa estuary and wharf dunes

Oriana will show us the restoration project at Kaitawa estuary and the dune restoration at Ūawa beach and how it has been impacted by cyclones and the recovery taking place.

Oriana Rojas

Originally from Chile, Oriana has made Gisborne her home for the past 17 years. With a background in horticulture, she currently serves as the Open Spaces and Amenity Team Leader at Gisborne District Council (GDC), where she has worked for over 9 years, overseeing public gardens, parks and street trees ensuring their ongoing planting care and maintenance. Oriana is passionate about plants and enjoys working alongside local volunteers. Over the past five years, Oriana has dedicated part of her time collaborating with community groups, supporting volunteer-led initiatives to restore and protect the region's coastal dunes.



Speakers

Day Two

Dr Wayne Ngata (KEYNOTE SPEAKER)

Ngāti Ira, Te Aitanga a Hauiti, Ngāti Porou

Workshop title: Mātaiao: Observations, reflections
and predictions of a changing world

**Mātainuku, mātairangi, matai ki uta, matai
ki tai Ngā tohu o te rangi, o te whenua , o
te wai Tēnei te tohu ka whakaarahia Tēnei
te tohu ka whakataua Whāia!**

Every culture observes what happens around them, in their environment. We analyse, reflect and make decision or predictions about what may happen, and how that may affect us. Our observations are sometimes premised on generations of knowledge and practice. Does this take into account changes in environmental behaviour, and are our observations relevant for our current and future context?

Dr Wayne Ngata

Dr Ngata is a practitioner, advocate for and supporter of kaupapa Māori and kaupapa taiao education, Tairāwhiti hauora and art initiatives, haka and mōteatea, and our stories. He is currently Acting Chair Board of TEC, Chair Hawaiki Hou Steering Group Sport NZ, Chair Māori Education Ministerial Advisory Group, Trustee Hinemaurea Marae ki Mangatuna, Secretary Te Hau Kōmaru National Waka Hourua Charitable Trust, Chair Tairāwhiti Arts Festival, Trustee Tairāwhiti Cultural Development Trust, Director Ngā Pākura Ltd, and most importantly, husband of Rāwīnia, father of Te Rauhuia and Te Aotāihi, and kaiwhāngai of Alfred the dog and Moke the cat.



Speakers

Graeme Atkins

Ngati Porou, Rongomaiwahine and Ngati Rakaipaaka, Coastal Restoration Trust trustee

Special plants of the coastal environment around East Cape and Post conference field trip (optional)

Graeme will tell us about the threatened species of the coastal environments of the East Cape, how myrtle rust is devastating several myrtle species, his work to save Ngutukākā (kākā beak) and his work with other threatened coastal species.

Post conference field trip: Graeme will take us on a guided tour of the East Cape coastal environment following the conclusion of the conference. Habitats visited include coastal



sand dunes, coastal bluffs, coastal pohutukawa forest, coastal wetlands and ephemeral coastal wetlands. Full of rare and threatened flora all packed into one day.

Graeme Atkins

Graeme has recently retired from Department of Conservation after 30 years working in the Taiao restoration space and was awarded the Loder Cup in 2020. Graeme was one of only three finalists in the 2024 Kiwibank New Zealander of the Year Awards in the Te Toa o te Tau category and is known as the 'Māori David Attenborough' of plants because of his knowledge and role in protecting rare plants. He founded and continues

his work with the Tairāwhiti Ngutukākā conservation group, founded the Raukumara Pae Maunga Restoration Project which was established to restore the ecological health of the Raukumara ranges which have been devastated by introduced pests. He also founded the hapu-led myrtle response project Te Whakapae Ururoa, which tracks the spread and infestation of myrtle rust across a 27,800ha stretch of the East Cape. Graeme now has his own consultancy business - Te Rimu Environmental Consultancy.

Speakers

Dr Phoebe Stewart-Sinclair

National Institute of Water and Atmospheric Research, Hamilton

Estuaries under a changing climate - adaptation and restoration opportunities for coastal wetlands

Future Coasts Aotearoa (FCA) is a five-year research programme that aims to inform how the lowland rural communities and environments of Aotearoa New Zealand can adapt and prosper despite unavoidable sea level rise (SLR) over the coming decades. FCA is exploring the environmental, social, economic, and physical changes that lie ahead and how we can most effectively respond. Biophysical models of inundation and salinisation and coastal wetland evolution, underpinned by measurements, can inform land-use change decisions sensitive to flooding and salinisation at a national scale. The insights flowing from this work will inform opportunities to restore coastal wetland ecosystems that have been degraded or largely lost due to reclamation and infrastructure development on estuarine margins. Recent spatial mapping of current coastal habitats and areas of opportunity for tidal restoration at a national scale will be important planning tools for regional councils, central government, and community restoration groups.



Phoebe Stewart-Sinclair

Phoebe Stewart-Sinclair is a marine ecologist and economist. Her work broadly focuses on marine conservation and climate change adaptation and mitigation through conservation of marine organisms and environments. She has worked in research in New Zealand, Australia, and the UK. Her qualifications include a Certificate in Tertiary Teaching, a BSc in Zoology and Ecology, an Honours in Zoology, a Masters in Conservation Biology, a PhD in Biology, and a PhD in Economics. At NIWA, she is a Scientist in the Marine Ecology team.

Collated data on sequestration rates has been compiled for most coastal habitats and is ready for incorporation into a national blue carbon methodology or framework. However, there are some key policy challenges to developing a large scale coastal restoration programme in Aotearoa.

Speakers

Bridget Parker and Hera Ngata-Gibson

Mana Taiao Tairāwhiti: A Case Study in Community Activism & Political Mobilisation for Ecological Protection



For more than a decade woody debris from pine plantation harvesting has clogged waterways, destroyed orchards and homes, covered beaches and deposited logs and branches across wide areas of coastal marine areas. In early January 2023 an unprecedented volume of debris was deposited as a result of ex-tropical cyclone Hale hitting Tairāwhiti. This event was the catalyst for a small group of residents to get organised and launch a petition to try and change the situation. Within two weeks 10,000 people had signed the petition and it led to a Ministerial Inquiry into Land Use in Tairāwhiti, a series of proposed regional plan changes and a number of court proceedings against forestry companies. This presentation will discuss the key elements and lessons learnt from the consecutive campaigns Mana Taiao Tairāwhiti has waged over the last two years to try and arrest the environmental degradation of the region in the face of an economy highly dependent on the land uses that are wrecking the region—and offer some glimpses of what a truly sustainable future economy for the region might look like.

Bridget and Hera

Hera Ngata-Gibson, Te Aitanga a Hauiti, Ngati Ira, Te Aitanga a Mahaki, Ngati Porou, Ngati Whakaue is homegrown in Ūawa. She lives on the papakainga at Anaura Bay. Hera is passionate about looking after ‘our place’ so that our people may continue to live good lives on our ancestral lands. Bridget Parker was born in Waituhi, Patutahi, a tiny settlement north of Gisborne. She taught all age groups at Tolaga Bay Area School and farms beef, sheep, maize and kiwifruit with her husband, Michael, and two of their three children and 4 mokos on Broadlands.

Broadlands lies between the Mangaheia river and Waipurapura stream in the catchment of Ūawa Tolaga Bay. Outdoor activities are enjoyed by their whole extended family and they have always sought to preserve and care for the environment. Because of the devastation of the rivers and beaches by poor pastoral management and forestry harvesting, Bridget and her husband Michael have both been involved from the outset in the mahi with Mana Taioa Tairawhiti and many amazing and talented people to attempt to clean up this horrific man-made environmental disaster. Their vision for the future is that our rohe will be filled with rākau of every kind, with minimal pinus radiata.

Facilitators

Greg Bennett

Coastal Restoration Trust Trustee
Regional Roundup facilitator

Greg attended his first Coastal Dune Vegetation Network conference in 2002 where he met a bunch of like-minded people who were passionate about their coast.

This inspired him to get actively involved in the coastal management of Pegasus Bay, near Christchurch. This extended to the rest of New Zealand when he became a Trustee of the Coastal Restoration Trust in 2008. In 2006 he received a resource



management award from Environment Canterbury for services to coast care. Greg now resides in Nelson and is a Stormwater Engineer with the Tasman District Council.

Workshops

Jim Dahm

Coastal Scientist, Eco Nomos Ltd

Pre-conference workshop: Nature-based solutions for coastal communities

Tuesday 11 March 2025 : This free workshop will focus on east coast North Island beaches – including the key natural coastal processes at work and the key role of nature-based approaches and coastal restoration in protecting these beaches and coastal communities.



Jim Dahm

Jim is an applied coastal scientist with a Masters degree in Earth Sciences and formed the first Coastcare groups in NZ and has worked on the design and implementation of nature-based coastal solutions and coastal restoration for over 40 years including (literally) 100s of individual projects. He is also an expert on coastal processes

and coastal hazards and has been involved in the assessment and management of coastal hazards around NZ, including associated adaptation strategies, for over 35 years. Jim also has extensive involvement with the design and management of many issues and restoration projects in NZ estuaries.

First Workshop choice

Dr Wayne Ngata

Coastal Restoration Trust trustee

Waka on the Ūawanui-a-Ruamatua river – (max 45 people) - Dr Wayne Ngata, Hauiti marae

Dr Ngata will also be hosting conference attendees on the waka tour on the Ūawanui a Ruamatua which is the name of our river. It is a highway of activity and story, a link to the hinterland of tribal whakapapa, and an entry to coastal narratives.



Don McLean

Weed species control for Tairāwhiti Dune Restoration Projects Gisborne District Council

Don will show how to identify, prioritise and control specific noxious weed species found in dunes and other coastal environments before, during and after plant restoration.



Don McLean

Don is the Principal Advisor Biodiversity with Gisborne District Council. Don provides biodiversity advice across many teams in the council and to the urban and rural community. This includes advocacy and education, advice on restoration, managing threats and ecological surveys. Don leads Gisborne

District Council's Protection Management Area monitoring programme for significant vegetation across Tairāwhiti. Don has been with the Council for 5 years and prior to that worked for 10 years in the Gisborne Department of Conservation office.

Workshops

Raranga workshop:
Create your own woven taonga

Ūawa weavers Fiona and Claudette Collis

Join weaving sisters Fiona and Claudette Collis to learn about the tikanga of harvesting and preparing harakeke (flax) and create your own woven taonga. This hands-on workshop offers a chance to experience the meditative practice of simple raranga.

Fiona and Claudette Collis

Weaving keeps us connected to the land, carrying generations of knowledge and meaning. Sisters Fiona and Claudette Collis are renowned kairaranga who are actively involved in their hometown of Ūawa.



Moniqua Nelson-Tunley

Waikato Regional Council,
Coastal Restoration Trust trustee

Workshop:
Identifying lizards: skinks and geckos at the beach

Moniqua will help you identify lizards at your project site, how to help protect them from predators and how you can enhance their habitat.

Moniqua Nelson-Tunley

Moniqua works for Waikato Regional Council as a Senior Biodiversity Officer. She is a qualified ecologist with expertise in ecosystem restoration, conservation biology and herpetology (reptiles and amphibians). Her work includes developing

a list of the Waikato Regions' highest priority sites for biodiversity protection and restoration, including a range of coastal ecosystems. She also works with landowners, iwi, community groups and other stakeholders to facilitate restoration projects. Before this role, she managed the Waikato Coastcare Programme for five years.



Second workshop choice:

Laura Shaft

Coastal Restoration Trust
Northland Regional Council

Monitoring coastal restoration

Laura will go through how to monitor your project site using simple community-based guidelines for assessing the state of coastal dune systems. This will cover dune profiles and vegetation cover.



Laura Shaft

Laura Shaft is the Chair of the Coastal Restoration Trust. Laura works for the Northland Regional Council as the Senior Biodiversity Advisor - Coastal, managing a small team supporting groups around the region to undertake dune

restoration work, and running dune vegetation and fauna monitoring. Laura has been extensively involved in education and advocacy on dune and coastal protection and restoration and provides advice and plans on restoration projects. She has over 17 years of practical experience working with community-based coast care groups.

Jo Bonner

Coastlands Plant Nursery

Producing sand dune plants

A guide to growing sand dune plants, from collecting the seed, seed cleaning and sowing, growing the plants in a nursery setting and dispatch. Also covering biosecurity, and pests and diseases.



Jo Bonner

Jo has 34 years' experience in the Nursery Production and Amenity Horticulture industry and carries a Diploma in Horticulture. She owns Coastlands Plant Nursery, which specialises

in coastal plants and currently provides the largest volume of spinifex and pingao in the country. Jo is also involved as a volunteer with Forest and Bird, DOC, local coast care groups and other organisations, in growing and planting rare and endangered coastal species.

Workshops

Arnim Littek

Foxton Beach

The basics of katipō conservation

This workshop will familiarise participants with identifying features of katipō, false katipō and redback spiders; their ecology, and how this fits into coastal dunes restoration. It will introduce several species of exotic spider known to prey on katipō, ie. mustelids of the invertebrate world.



Arnim Littek

Arnim started studying katipō with the support of the team of Cape Kidnappers and Ocean Beach Sanctuary, and its associated scientists, in 2011. Since 2016 the focus study area shifted from the east coast to the west coast of the Lower North Island.

Tim Park

Coastal Restoration Trust

iNaturalist - how to use this global biodiversity recording database

Tim will show you how to set up an account in iNaturalist, how to record an observation out in the field and also cover how to identify a species and setting up a project area ie your restoration site so you can track and display observations.



Tim Park

Tim Park is the manager at Ōtari Wilton's Bush, a native botanic garden and forest reserve in Wellington.

Field trips/Keeping Safe

We will visit locations outdoors in environments that require you to be responsible about ensuring your own health and safety.

Please ensure that you:

- Have appropriate clothing to deal with the very variable weather conditions that can be encountered, from waterproof and warm clothing to hats and sun-block.
- Wear footwear appropriate for walking and providing proper grip on wet slippery surfaces.
- Ensure you take with you any personal medication including anti-histamine.
- Take sufficient water for field trips of several hours. Food will be provided but take snacks if you think you will need it.
- Keep within safety barriers, adhere to safety advisory signs and instructions, take care when crossing roads and keep a safe distance from hazards like steep drop-offs, fast flowing water or other areas that might present a safety risk.
- Inform the conference coordinators before you leave of any special medical conditions or needs for which you may require assistance.

We hope you have enjoyable and safe field trips.

2025 Conference Programme

Taihuanui, a bountiful coastline Coastal Restoration Trust Conference

Please note the programme is subject to change in the event of illness or weather events.

Tuesday 11 March 2025 - free pre-conference workshop

4.00 – 6.00pm with Reynolds Hall, Ūawa.

**Nature-based solutions for coastal communities
- workshop with Jim Dahm, Coastal Scientist, Eco Nomos Ltd**

This workshop will focus on east coast North Island beaches – including the key natural coastal processes at work and the key role of nature-based approaches and coastal restoration in protecting these beaches and coastal communities.



Day 1: Wednesday 12 March 2025

Venue: Hauiti marae

Time	Topic	Speaker/Facilitator
8:30	Pōwhiri at Hauiti marae followed by light refreshments	Kaumatua, Hauiti marae
9:10	Registration opens	Hauiti marae
9:40	Welcome to Ūawa	Dr Wayne Ngata, Hauiti marae
9:50	Welcome to the conference	Laura Shaft Chair, Coastal Restoration Trust
10:20	Conference video	Janet Andrews and Simon Hoyle, Southlight Studio
10:30	Morning tea – (20 Mins)	Hauiti marae
11:00	Key Note Speaker: The erosional impact of the 2017-present stormy cycle on the coastal environment of Gisborne/Tairāwhiti	Dr Murry Cave, Principal Scientist, Gisborne District Council
11:30	Making the invisible visible: the nature of sand is to move	Dr Amber Dunn, Environment and Science Manager, Gisborne District Council
12:00	The Ūawa Environmental Sustainability Project	Victor Walker, Ūawa Environmental Sustainability Project
12:20	Lunch – (60 Mins)	Hauiti marae
13:20	Coastal Restoration Trust Resources	Tim Park, Coastal Restoration Trust
13:30	Coastal Restoration Trust Projects	Dr David Bergin, Coastal Restoration Trust
13:35	Coastal Restoration Trust video series	Janet Andrews and Simon Hoyle, Southlight Studio
13:55	Tai Timu, Tai Pari (The Ebb and Flow of the Tide): Rivers, Estuaries and the Ocean	Distinguished Professor Dame Anne Salmond
14:25	Community led coast care: Musings from the beach	Jennie Harre Hindmarsh, Researcher and Wainui Coastcare Group
14:55	Regional Roundup - 1st session	Graeme La Cock, Coastal Restoration Trust
15:30	Afternoon tea – (20 mins)	Hauiti marae
15:50-17:00	Field trip to Kaitawa estuary and wharf dunes	Alison Waru, Coastal Restoration Trust Oriana Rojas, Gisborne District Council

Day 2 Thursday 13 March 2025

Venue: Hauiti marae

Time	Topic	Speaker/Facilitator
8:30	Key Note Speaker: Mātaiao: Observations, reflections and predictions of a changing world	Dr Wayne Ngata, MNZM
9:00	Special plants of the coastal environment around East Cape	Graeme Atkins, Coastal Restoration Trust
9:30	Estuarine sedimentation, the challenges and opportunities of sea level rise	Dr Phoebe Stewart-Sinclair, Marine Ecologist and economist, NIWA
10:00	Morning tea (20 minutes)	Hauiti marae
10:20	Mana taiao Tairāwhiti: Key elements and lessons learnt from community activism for change to protect the environment	Bridget Parker and Hera Ngata-Gibson
10:50	Regional roundup - second session	Alison Waru, Coastal Restoration Trust
12:20	Travel to Anaura Bay	
12:45	Pōwhiri at Hinetamatea marae, Anaura Bay	
13:00	Lunch – (60 mins)	Anarau Bay
14:00	Field trip at Anaura Bay including afternoon tea	
17:00	Day finishes	
19:00-22:00	Conference dinner and awards	Hauiti marae

Day 3 Friday 14 March 2024

Fieldtrips to sites around Ūawa Tolaga Bay

Time	Topic	Speaker/Facilitator
8:30-10:30	First workshop choice: Waka on the Uawanui-a-Ruamatua river – (max 45 people)	Dr Wayne Ngata, Hauiti marae
or	Weed species control for Tairāwhiti Dune Restoration Projects	Don McLean, Gisborne District Council
or	Raranga - create your own woven taonga (max 20 people)	Fiona and Claudette Collis, Kairaranga Ūawa
or	Identifying lizards: skinks and geckos at the beach.	Moniqua Nelson-Tunley, Waikato Regional Council
10:30	Morning tea (20 minutes)	Hauiti marae
10:50	Second workshop choice: Monitoring coastal restoration	Laura Shaft, Coastal Restoration Trust and Northland Regional Council
or	Producing sand dune plants	Jo Bonner, Coastlands Plant Nursery
or	The basics of katipō conservation	Arnim Littek, Foxton Beach
or	iNaturalist - how to use this global biodiversity recording database	Tim Park, Coastal Restoration Trust
12:50	Closing addresses	Laura Shaft, Chair, Coastal Restoration Trust
13:00	Lunch	Hauiti marae
13:30	Travel home or drive north for those on the post conference trip	

Covid 19 protocol

The government's current COVID-19 protection framework has no specific actions for this event. The CRT conference committee however requests all participants stay home if they are unwell in any way.

There are a multitude of COVID-19 related attitudes and behaviours held by New Zealanders. We ask that you respect the individual preferences of those who wish or need to wear masks or maintain social distancing during the conference.

Useful Websites

Coastal Restoration Trust:
www.coastalrestorationtrust.org.nz

Plant Calculator:
www.coastalrestorationtrust.org.nz/resources/planting-calculator

Coastal Reference Database:
<https://ref.coastalrestorationtrust.org.nz>

Handbook:
www.coastalrestorationtrust.org.nz/resources/coastal-restoration-handbook

Coastal Restoration Trust Monitoring Database:
<https://monitoring.coastalrestorationtrust.org.nz>

Post Conference Field Trip (optional)

2:00 pm
- 8:00 am
14 - 16
March

2pm 14 March to 8am 16 March 2025

Following the close of the conference on Friday 14 March, Graeme Atkins will lead the post conference field trip which will take us north to Tikapa marae, near Tikitiki. We will see a range of coastal habitats - sand dunes, coastal bluffs, coastal pōhutukawa forest, coastal wetlands and ephemeral coastal wetlands as well as Graeme's extensive threatened plants garden.

The field trip will finish on Sunday 16 March at 8am when everyone will travel home after cleaning up Tikapa marae.

We will share transport and there will be an additional cost of \$150.00 to cover the accommodation at Tikapa marae and food.

This trip is limited to 20 people and you will need to book and pay when you register for the conference.



Notes

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**COASTAL RESTORATION TRUST
OF NEW ZEALAND**

Tāhuna Ora

