



**COASTAL RESTORATION TRUST
OF NEW ZEALAND
ANNUAL CONFERENCE**

Warkworth 27-29 March 2019



Table of Contents

The Coastal Restoration Trust of New Zealand	2
Coastal Restoration Trust trustees	3
Conference Contact Number & Organising Committee	4
The Conference Venue	5
Welcome from the Chair	6
Tāhuna Ora Waiata	7
Key note speaker – Paul Klinac	8
Fieldtrip Guide	9
Fieldtrips – Keeping Safe	11
The 2019 Conference Programme	
Day 1 : Wednesday 27 th March	12
Day 2 : Thursday 28 th March	14
Day 3 : Friday 29 th March	15
Sponsors	back page



The Coastal Restoration Trust of New Zealand

The Coastal Restoration Trust is a nationwide organisation that brings together the knowledge and experience of communities, iwi, management authorities, industry and science agencies to save and restore our sand dunes and coastal ecosystems. The Coastal Restoration Trust is an incorporated Charitable Trust formed in 2007 to continue the work of the Coastal Dune Vegetation Network. 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.

Our goals are to:

- 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.
- Run a website where information is free and easily accessible and can host 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 Trustees

The Coastal Restoration Trust of New Zealand board comprises up to 15 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.

The current Trustees are:

Greg Bennett (Chair) – North Canterbury

Colin Ryder (Treasurer) – Wellington

Tim Park – Wellington

David Bergin – Bay of Plenty

Betsy Young – Far North

Laura Shaft – Northland

Justin Cope – Canterbury

Graeme La Cock –

Wellington

Lyle Mason – Southland

Jim Dahm – Coromandel

Jo Bonner - Whakatane

Alison Waru – East Cape



Administrator – Lyneke Onderwater



Conference Contact Number

For minor emergencies, crises or drama of any sort please contact:

021 268 2052



Conference Organising Committee

Lyneke Onderwater
Matt Maitland
Jason Maguiness
Laura Shaft

Jo Bonner
Jared Anderson
Justin Cope
Greg Bennett



The Conference Venue

The conference venue is the Warkworth Town Hall, Corner Neville and Alnwick Streets, Warkworth

This will be the venue for half of conference until lunch on Thursday.



Public transport

Skybus takes you to Albany (<https://www.skybus.co.nz/north-harbour-express/fares>, cheapest to book online) from where you can take Auckland Transport to Warkworth (<https://at.govt.nz/bus-train-ferry/journey-planner>). You can also take AT the whole way, but there'd be some transfers. Intercity has buses going from many places to Warkworth (www.intercity.co.nz).



Welcome from the Chair

Ngā mihi nui kia koutou katoa. Nau mai, haere mai ki tēnei hui

Greetings to you all and I extend a warm welcome to the 2019 conference of the Coastal Restoration Trust of New Zealand Living with Dynamic Shorelines.



The meaning of the word dynamic applies to processes or systems - characterized by constant change, activity, or progress and also applies to people – positive in attitude and full of energy and new ideas.

I like to think the theme of this year's conference applies to both meanings – the shifting sands of our dunes, the shorelines responding to the vagaries of tides and weather and the positive people in our coastal communities working with these dynamic processes to create dynamic and resilient coastal buffers and ecosystems.

Over the next few days we will be looking at and discussing dynamic issues such as urban and agricultural encroachment, effects of sea level rise and introduced plants and animals. We have an interesting programme with much of our time spent outdoors visiting both the east and west coast of North Auckland.

I invite all of you to contribute to making our conference an enjoyable and valuable experience. Please ask questions, offer advice and contribute to the collective experience and knowledge of the event.

Many thanks to our sponsors, especially Auckland Council, who are our generous hosts. These sponsors make it possible for us to host the conference and keep the registration fees affordable and also a special thanks to the conference organising committee who have worked hard to produce this event.

Kia ora
Greg Bennett
Chair



Tāhuna Ora Waiata

Tāhuna Ora	Dunes, strong and vigorous
Tai timu, tai pari	<i>Tides that ebb and flow</i>
Tai mata tāhuna	<i>Caressing the banks' brow</i>
Piri tata, piri tahi	<i>Stand together and embrace as one</i>
Piri kia ora	<i>To ensure survival</i>
Mō āpōpō, mō ake, ake tonu rā	<i>For tomorrow, for the future, through the eons of time.</i>



Abstract of keynote speaker Paul Klinac

Valuing the coast for Auckland

Auckland is characterised by over 3000km of coastline, the bulk of which is owned and managed by Auckland Council directly. Historically, much of the way New Zealand has managed its coastline has been reactive. However, increasing erosion rates coupled with predicted climate change effects, and a finite pool of ratepayer monies direct that for Auckland, a more proactive approach is necessary.

It is unlikely that Auckland will be able to match fund availability with the increasing demand for access and protection of the coastline in all areas. A strategic approach to identifying management options for high risk areas is intended to enable more informed decision making, reducing the urgency associated with storm responses and improving the prioritisation of coastal structure renewals or replacement.

An asset data review project, based on an improved understanding of the quantum of coastal assets under Council control, seeks to provide the framework for strategic planning and decision making based on potential future development risk.

The presentation will outline progress in respect of developing a coastal management framework and coastal compartment management plans for Auckland, and will use case studies to highlight the challenge of adaptive coastal asset management as promoted by statutory requirements.

Paul Klinac BSc (REP), MSc Hons, Paul.klinac@aucklandcouncil.govt.nz

Head of Specialist Delivery
(Engineering and Technical Services Department, Auckland Council)



Fieldtrip Guide

Tāwharanui Regional Park and Open Sanctuary

Wednesday 26 March, 3.30pm onward

New Zealand's first open sanctuary integrating conservation with recreation and farming is at Tāwharanui Regional Park, 15 minutes from Matakana on the east coast. The 14 year old sanctuary is free of most mammal pests and hosts a variety of flora and fauna previously absent from Auckland and mainland New Zealand such as takahē, kiwi and saddleback. The field trip will visit the northern coast sand dunes including a restoration site at the popular Anchor Bay beach. From 6pm onward there is a self registration picnic dinner followed by night walk where kiwi may be seen and heard.

Transport by private vehicles car pooling from Warkworth Town Hall

Muriwai

Thursday 27 March, 1-5pm

A look at Auckland's wild West Coast focussing on Muriwai beach, a popular beach and bach settlement, with a heavily visited Regional Park adjacent to a highly dynamic coastline. Managed retreat of infrastructure including car parks and surf club will be discussed along with a substantial coastal dune



restoration project in 2016/17 involving dune re-shaping and planting. Coastal flora and fauna values will be explored including the habitat of the rediscovered nationally critical Muriwai gecko.

Transport by bus departing and returning to Warkworth Town Hall.

North Auckland east coast

Friday 28 March, 8.30am -3.30pm

Join us for a beach hop road trip looking at three east coast beaches with similar aspect and differing management styles and pressures. Starting in the south at the coastal town of Orewa which has undergone substantial population growth and corresponding community expectations regarding coastal erosion and management of such. Wenderholm, Auckland's oldest regional park is next stop where a mixture of soft and hard engineering responses to coastal erosion can be viewed. We'll then head north for lunch and an afternoon at one of Auckland's newest regional parks at Te Ārai where, through public acquisition and Treaty of Waitangi settlements, a 13km contiguous coastline has been secured and protected in perpetuity.

Transport by bus departing and returning to Warkworth Town Hall.



Fieldtrips - Keeping Safe

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

- Have appropriate clothing to deal with the very variable weather conditions that can be encountered, from water-proof and warm clothing to hats and sun-block.
- Wear footwear appropriate for walking and providing proper grip on wet slippery surfaces.
- Have any medication and/or food/drink you may need on a trip of some hours.
- 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.

If you don't have the right clothing, please ask a conference coordinator before you leave on the trip, so that assistance can be provided in finding appropriate gear.

Have an enjoyable, safe and healthy field trip!



CONFERENCE 2019
“Living with Dynamic Shorelines”
Wednesday 27 - Friday 29 March
Venue: Warkworth Town Hall

PROGRAMME:

Wednesday 27 March

- 8:30am Registration check-in
- 9:00am Powhiri - Ngāti Manuhiri
Conference opening
- 9:30am Keynote speaker: Paul Klinac – Auckland Council
- 10:15am** **Morning tea**
- 10:45 *Introduction of Coastal Restoration Trust -*
am Greg Bennett (Chair)
Project updates - Jim Dahm & David Bergin
(CRT Trustees)
Te Arai Regional Parkland - Scott De Silva
(Northern Principal Ranger) & Mook
Hohneck (Ngāti Manuhiri)
- 12:30pm** **Lunch**

1:15pm Regional Roundup part 1 – updates by coast care groups/regions

2:15pm *Coastal Dune Lakes of Northern New Zealand* - Lisa Forester (Northland Regional Council)

Tāwharanui Open Sanctuary Society - Alison Stanes

3:30pm Carpool for fieldtrip to Tāwharanui Regional Park and Open Sanctuary

6:00pm *Optional casual BBQ dinner and night walk at Tāwharanui Regional Park and Open Sanctuary at own cost for those who have booked*

Thursday 28 March

8:30am *Archaeology in coastal environments -
Matthew Campbell*

*Proposed duneland monitoring framework
for the Auckland region - Craig Bishop
(Auckland Council)*

*Whenua Hou Diving Petrels, New Zealand's
dune specialists and ecosystem engineers -
Johannes Fischer, CRT Student Award
recipient*

*A study on monitoring coastal turf and other
rare ecosystems along Auckland's coast -
Luke Stanley (Auckland Council)*

10:00am *Morning tea*

10:30am Regional Roundup part 2

11:35am Introductory presentation for fieldtrips -
Matt Maitland (Auckland Council)

12:15pm *Lunch*

1:00pm Fieldtrip to Muriwai (west coast)

5:00pm Arrival back at Warkworth

6:30pm *Conference dinner at Warkworth Golf
Course for those who have booked*

Friday 29 March – A day in the field

- 8:30am Depart from Warkworth Town Hall
- 9:15am Orewa – hard engineering
- 10:45am Wenderholm Regional Park – soft engineering
- 12:30pm** *Lunch at Te Arai*
- 1:25pm Te Arai North development and regional park, pine forestry remediation, Treaty settlement, sand mining
- 2:30pm Depart Te Arai
- 3:30pm Arrival back at Warkworth

This programme reflects the plan, but may be subject to change if circumstances require that.

Sponsors

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

Premier Sponsor and Host:



Gold Sponsor:

