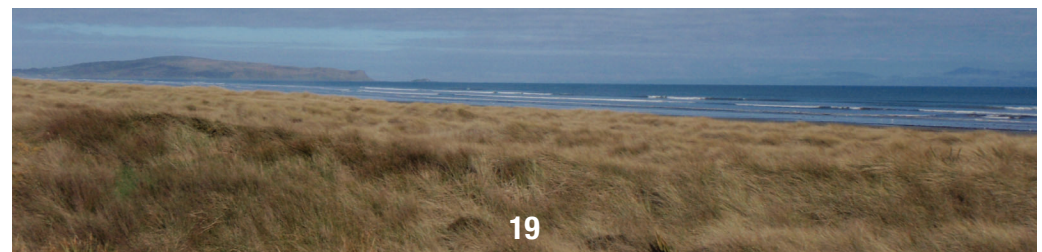


COASTAL TREASURES OF MURIHIKU SOUTHLAND

ANNUAL CONFERENCE

Southland 18-20 March 2020





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.

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Gold Sponsor:



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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



| Day 3 - Friday 20 March 2020 Waituna Lagoon to Oreti Beach | | |
|---|--|---|
| 08:15 | Meet for field trip at Transport World | |
| 08:30 | Travel to Waituna Lagoon | |
| 09:05 | Waituna Lagoon – RAMSAR site Inc walk out to the sea | Speakers: <ul style="list-style-type: none"> • Murray Waghorn – local perspective and history • Katrina Robertson – Waituna work • Tyron Strongman – Waituna Partners Group • Chris Hankin – Department of Conservation |
| 10:30 | Morning tea | |
| 11:00 | Leave Waituna and head to New River Estuary Walk Roger Sutton Walkway | Gavin Gilder (Environment Southland) |
| 12:00 | Oreti Beach | Lloyd Esler and Brian Rance |
| 13:00 | Travel to Mauritangi Scout Den | |
| 13:05 | Lunch at Mauritangi Scout Den | |
| 13:40 | Presentations from local landcare groups | <ul style="list-style-type: none"> • SIRCET (Stewart Island Rakiura community and Environment Trust) • New river Estuary group |
| 14:30 | Conference closure - Greg Bennett (Chair CRT) | |
| 15:00 | Arrive Invercargill Airport and back to Transport World | |

Note: We reserve the right to make changes to this programme where practicalities make this necessary.



Day 2 - Thursday 19 March 2020
Southern Southland

| | | |
|-------------|--|--|
| 08:00 | Meet for field trip | |
| 08:15 | Buses depart Transport World for field trip | |
| 09:20 | Curio Bay Cook Creek, Curioscape, Petrified Forest (inc morning tea) | Julie Keast and Paul Duffy (Southland District Councillors) |
| 11:05 | Leave Curio Bay and head to Slope Point | |
| 11:25 | Slope Point | Walk out to southernmost light house, and/or dune lake walk |
| 12:10 | Leave Slope Point and head to Waipapa Point | Inc bus commentary about Lake Brunton |
| 12:30 | Lunch at Waipapa Point. | Speakers: <ul style="list-style-type: none"> • Brian Rance (DOC- plantings at light house) • Lyle Mason (CRT - light house history) |
| 13:00 | Leave Waipapa point and walk along beach to Lyle's farm. | Approximately 1 hour 15 minute walk. Hear about Coastal Erosion of Farm land |
| 14:30 | Afternoon Tea | |
| 15:00 | Depart Lyle's farm and head to Fortrose. <ul style="list-style-type: none"> • Lake Vincent • Fortrose - if time we may stop | |
| 17:00 | Back to motels and Transport World | |
| 18:00-19:00 | Last option to check out Transport World | |
| 19:00 | Conference Dinner (additional cost) Conference dinner with award presentation(s) and fun quiz | Greg Bennett (CRT Chair) Jason Roberts (Quiz master) |

Links to Useful Resources

Some useful links to Coastal Restoration Trust resources

Planting Calculator:

<https://www.coastalrestorationtrust.org.nz/resources/planting-calculator/>

Coastal Restoration Handbook:

<https://www.coastalrestorationtrust.org.nz/resources/coastal-restoration-handbook/>

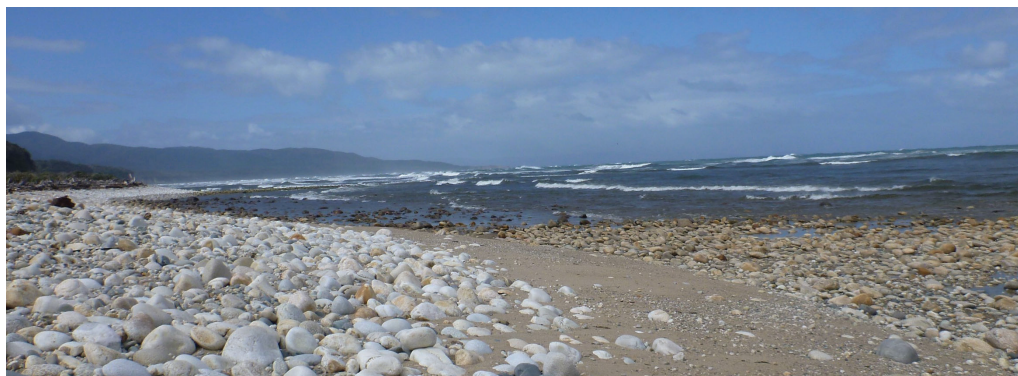
Coastal Dune Ecosystem Reference Database:

<https://ref.coastalrestorationtrust.org.nz/>



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*

Graeme La Cock – *Wellington*

Lyle Mason – *Southland*

Jo Bonner - *Whakatane*

Alison Waru – *Uawa - Tolaga Bay, Tairāwhiti*

Moniqua Nelson-Tunley - *Waikato*

Jason Maguiness - *North Auckland*

Lyneke Onderwater - *Administrator*

| | | |
|-------|---|--|
| 14:25 | Foredune response to marram devegetation – Mason Bay, Rakiura National Park | Mike Hilton |
| 14:45 | Fiordland and Stewart island Coastal clean-ups | Joyce Kolk of the South Coast Charitable Trust |
| 15:00 | Litter Intelligence programme | Ben Knight of Sustainable Coastlines |
| 15:10 | Toheroa shellfish on Oreti Beach | |
| 15:25 | Questions for Session | |
| 15:40 | Afternoon tea | |
| 16:00 | Second part of Regional Roundup facilitated by Graeme La Cock (CRT trustee) | |
| 17:00 | Session 2 continued | Facilitated by Alison Waru |
| 17:00 | DOC dune restoration and weed control programme on Stewart Island | Lynne Huggins (Department of Conservation) |
| 17:15 | DOC dune restoration and weed control programmes in Southern Fiordland. | Jolie Hazley (Department of Conservation) |
| 17:30 | Questions | |
| 17:45 | Announcements | |

Abstracts and information about speakers is available on our conference page:
<https://www.coastalrestorationtrust.org.nz/news-events/annual-conference/southland-2020/>



Coastal Treasures of Murihiku Southland Wednesday 18 - Friday 20 March 2020

Venue: Transport World - Invercargill

DAY 1 - Wednesday 18 March 2020

Coastal Treasures of Murihiku Southland

| Time | Topic | Speaker |
|-------------------------|--|---|
| 8:00 | Registration desk opens | |
| 9:00 | Karakia | |
| 9:05 | Chairman opens conference | Greg Bennett (CRT Chair) |
| 9:15 | Setting the scene for Southland | Rob Phillips (Environment Southland CEO) |
| 9:25 | Welcome | Nathan Cruickshank (Conference Chair) |
| Keynote Speakers | | |
| 9:30 | Session 1 | Facilitated by Greg Bennett |
| 9:35 | The state of Southland estuaries | Nick Ward – Team Leader – Ecosystem Response Environment Southland |
| 10:05 | Coastal Dune Lakes of Southland | Keryn Roberts, Environmental Scientist at Environment Southland |
| 10:35 | Morning tea | |
| 11:00 | Parks and Recreation Issues and Opportunities | Zealan Simpkins (Invercargill City Council) |
| 11:05 | History of New River Estuary, Sandy Point and Airport area | Lloyd Esler |
| 11:35 | <ul style="list-style-type: none"> Fungi/mycorrhiza in the dunes Myrtle rust | Renee Johansen (CRT scholarship recipient 2013) |
| 11:55 | The increasing role of coastal restoration | Jim Dahm |
| 12:25 | Lunch | |
| 13:20 | First part of Regional Roundup facilitated by Graeme La Cock (CRT trustee) | |
| 14:20 | Session 2 | Facilitated by Alison Waru |

Conference Contact Number

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

021 784 986



Conference Organising Committee

Nathan Cruickshank
Kate Gough
Gavin Gilder
Brian Rance
Lyle Mason

Alison Waru
Randall Milne
Lyneke Onderwater
Jo Bonner



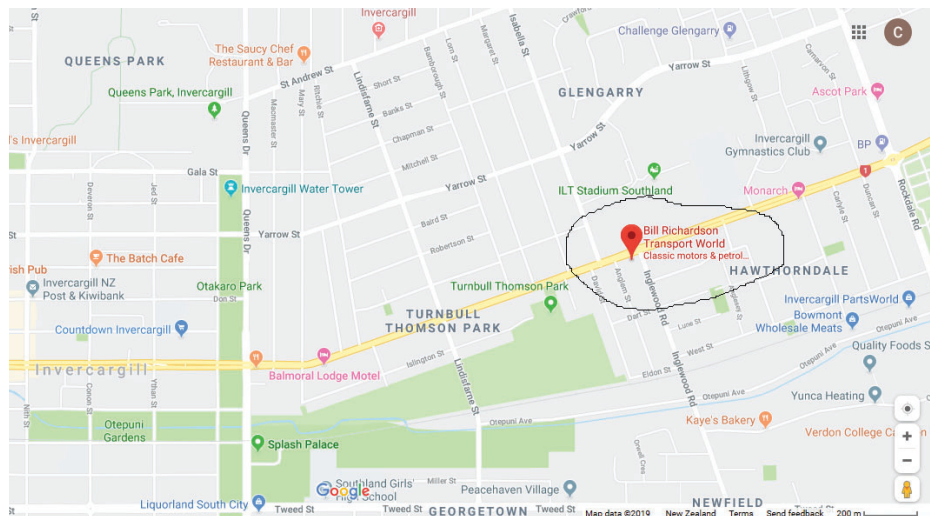
The Conference Venue

Day 1 and the conference dinner will be held at Transport World, 491 Tay St, Hawthorndale, Invercargill, which is also where we depart for the fieldtrips of day 2 and 3.

PARKING:

The parking in front of The Grille is a TWO HOUR RESTRICTED PARKING and you will get towed.

Please do NOT park in the two hour parking in front of The Grille Cafe on Anglem Street. There is plenty of parking further along Anglem Street and right around the perimeter of Transport World. This request does not apply to any persons requiring the disabled parking spaces.



Public transport:

Intercity has buses going from many places to Invercargill (www.intercity.co.nz).

Shuttles and taxis can take you from Invercargill Airport to the city.



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.

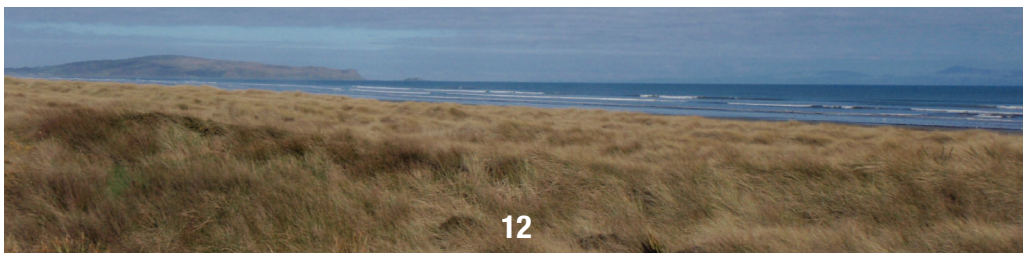
Have an enjoyable, safe and healthy field trip!



Fieldtrip Maps



Friday 20 March



Welcome from the Chair



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

Greetings to you all and a warm welcome to the 2020 conference of the Coastal Restoration Trust of New Zealand, Coastal Treasures of Murihiku Southland.

Over the next few days we will be looking at Southland's coastal treasures, ngā taonga o Murihiku; the waters, bogs, mudflats and marginal vegetation of the large tidal estuaries and coastal lagoons which are in the top three wading bird habitats in the South Island and hopefully we will see many of the migratory visitors from the northern hemisphere. We will visit Oreti Beach which is one of New Zealand's earliest dune restoration experiments.

We will discuss and hopefully see some of the biodiversity taonga; toheroa, pikao, mokomoko, ika that inhabit these places

Many of us look forward to the regional roundup sessions and hearing from you kaitiaki about your efforts in your local communities to restore and nurture the coastal environment.

A first for our conference is that on Friday we are joined by local landcare groups to share ideas and discuss their restoration projects.

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 Environment Southland, who are our generous hosts. These sponsors make it possible for us to host the conference and keep the registration fees affordable. 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

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 banks' brow

Stand together and embrace as one

To ensure survival

For tomorrow, for the future, through the eons of time.



Fieldtrip Maps



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Government of New Zealand and the Department of Conservation
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Points of Int.
Bus Trip

CRT Conference Field Trip 19
March 2020
Date: 4/03/2020



Thursday 19 March

