

Coastal Restoration Trust of New Zealand

National Conference, Whanganui, March 2021

PROJECT UPDATES

Current projects

1. **Restoration of a native forest coastal sequence**, Tuhaitara Coastal Park, North Canterbury
2. Adaptive management of **coastal forestry buffers**
3. **Videos and workshops** to build resilient natural coasts in face of climate change

New projects

1. Spinifex seed viability issues
2. Extending Coastcare outreach proposal
3. Mitigating effect of climate change on dune planting
4. **Call for any priority new project proposals and potential funders**

Online resources

1. CRT reference database – check it out and use it...
<https://www.coastalrestorationtrust.org.nz/resources/coastal-reference-database/>
2. Project updates on the website and in newsletters – keep in touch...
www.coastalrestorationtrust.org.nz

Coastal Restoration Trust of New Zealand

Project funding and support partners

These projects have been funded in various combinations by:

- Ministry for the Environment's Community Environment Fund
- Department of Conservation's Community Fund
- Research partners of the Coastal Restoration Trust

Project support partners, co-funding

- Northland Regional Council, Auckland Council, Waikato Regional Council, Bay of Plenty Regional Council, Greater Wellington Regional Council, Wellington City Council, Canterbury Regional Council, Christchurch City Council, and Timaru District Council, Te Kohaka o Tuhaitara Trust...
- Coast care groups, coastal landowners and managers nationwide

The Coastal Restoration Trust is grateful for ongoing support

Restoration of a native forest coastal sequence, Tuhaitara Coastal Park, North Canterbury

Objective

- In collaboration with Te Kōhaka o Tūhaitara Trust aim to set up a demonstration site of a restored native coastal forest sequence typical of north Canterbury

Method

- Involves replacing logged pines and marginal pasture with foredunes of sandbinders, mid-zone coastal shrublands, wetlands and lagoons, and landward coastal podocarp forest

Progress

- Planting 50 m wide demonstration coastal vegetation sequence linking existing small restoration areas underway
- Minimum of 5000 native trees and shrubs planted first year
- Monitoring underway using survival and growth plots

Funded by:

- DOC Community Fund with CRT research partners and Te Kohaka o Tuhaitara Trust



Adaptive management of coastal forestry buffers

Objective:

- Key To determine cost effective methods for conversion of exotic coastal forestry buffers to native forest

Planting trials set up at 3 sites:

- Kawhia, west coast Waikato with Waikato Regional Council and iwi
- Te Hiku, Far North, Northland with Northland Regional Council
- Opoutere, Coromandel with Waikato Regional Council and community

Progress:

- High losses mostly on open sites without cover of pines due to drought
- Browsing by horses, rabbits
- Best performance on sheltered microsites and under pines
- 3rd year focus is on refining planting under pines

Funded by:

- MPI's Sustainable Farming Fund, Tane's Tree Trust research Fund, Coastal Trust's research partners



Potential new projects – e.g. biodegradable pots

New projects required:

- Share ideas for new collaborative projects to improve restoration of our coasts
- Need to align new projects with potential funding

Biodegradable pots to reduce plastic waste:

- A number of projects underway testing options for paper or cardboard pots for raising native plants
- For example, Andrew Dartnall and his team at Riverside Horticulture, Rangiora
- Also biodegradable tree guards to reduce rabbit damage...

Nursery and planting trials:

- Must compare new products (e.g. ecopots) with current methods (e.g. root trainers) using scientifically designed trials
- Then monitor relative performance, practicality of new methods (e.g. size, transport...), and compare costs
- CRT have a good reputation for applied research and uptake



Videos and workshops to build resilient natural coasts in face of climate change

Objectives

- Produce 14 videos and run workshops to inform, inspire and guide community action in restoration of natural form and function of our coasts

Methods

- Southlight Studios to produce videos
- Jim Dahm to run pre-conference 101 workshops

Progress

- First year of the 2-year project underway
- Simon Hoyle and Janet Andrews to highlight progress with videos

Funded by

- DOC Community Fund, Coastal Restoration Trust research partners



Hard at work!!