Dune Restoration Trust of New Zealand National Conference, 2013 Nelson – A Region of Coastal Diversity

Conference Presentation: Pest Plants in the Coastal Environment of the Nelson/Tasman Region

The following presentation was given by Bradley Myer, Kaitiaki o Ngahere Ecological Restoration & Biosecurity. The Dunes Trust has been given permission to make this document publically available from our website. However the information and images contained in the document belong to the presenter and presenter's organisation.

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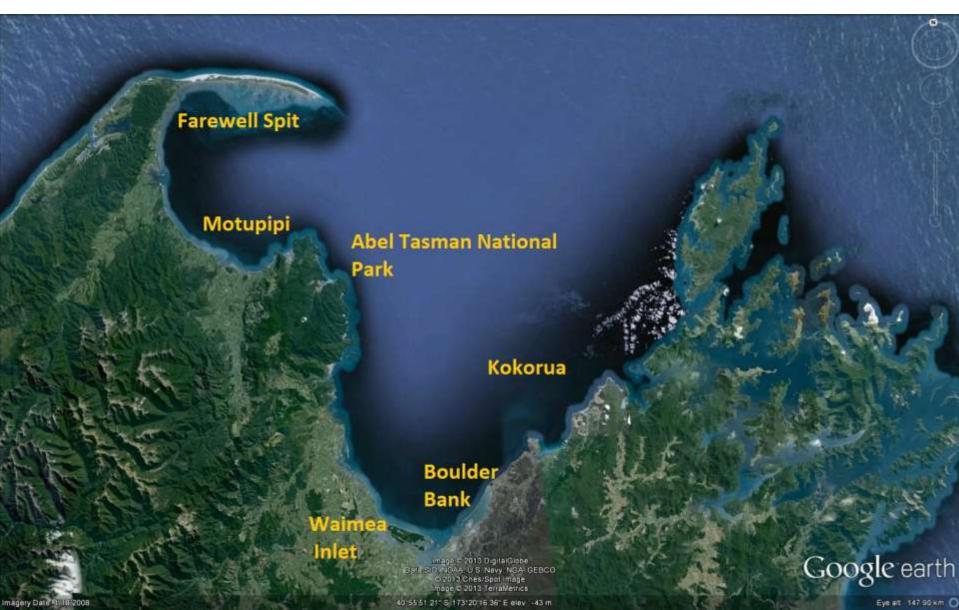
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Presentation Overview

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Kokorua Estuary

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Kokorua Alluvial Forest Fragment





Clematis vitalba - Old man's beard





Tradescantia, Sellanginella, Mt Bretia



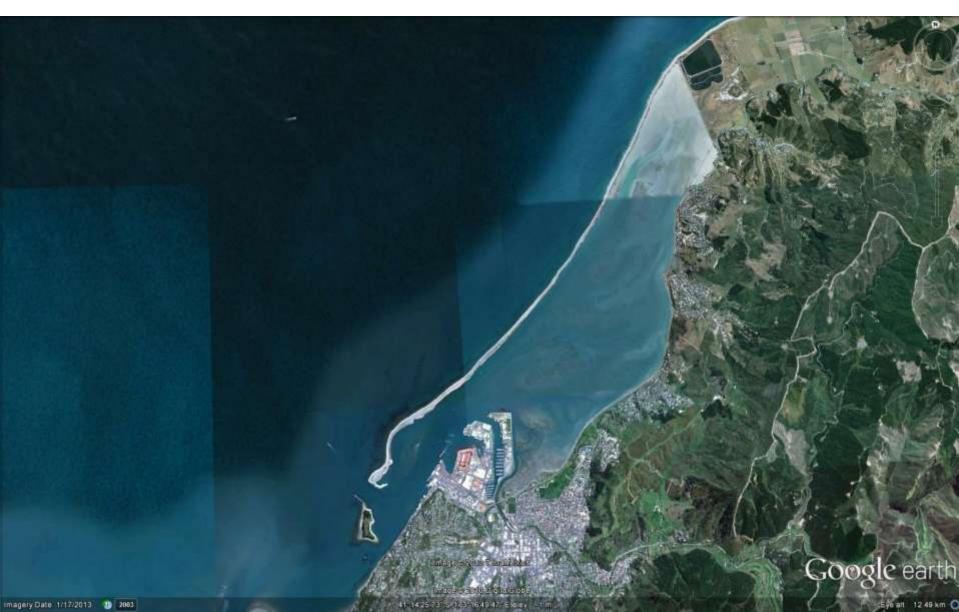


Boulder Bank





Boulder Bank: Nelson City





Boulder Bank: Managed by DOC





Boulder Bank: Nelson City

Problem Species: Old mans beard Asphodel Boxthorn Pines Oxalis •Gorse •Smilax •lceplant •Broom Pohutakawa Blackberry Google earth Boneseed



Asphodel Control on the Boulder Bank





Asphodel on the Boulder Bank



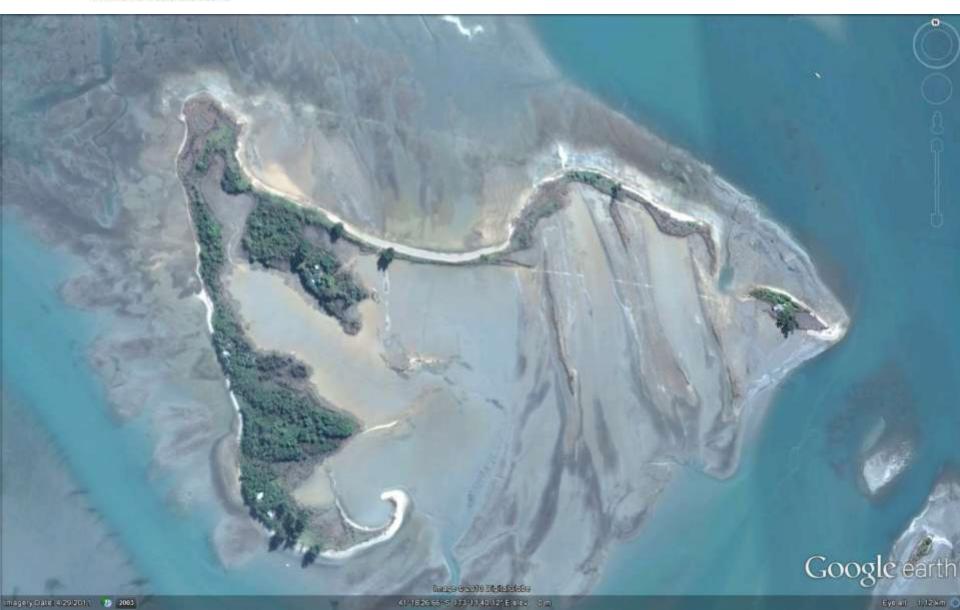


Waimea Inlet





Saxton Island





Saxton Island





Distribution of Wilsonia backhauseii





Wilsonia Backhauseii: Saxton Island



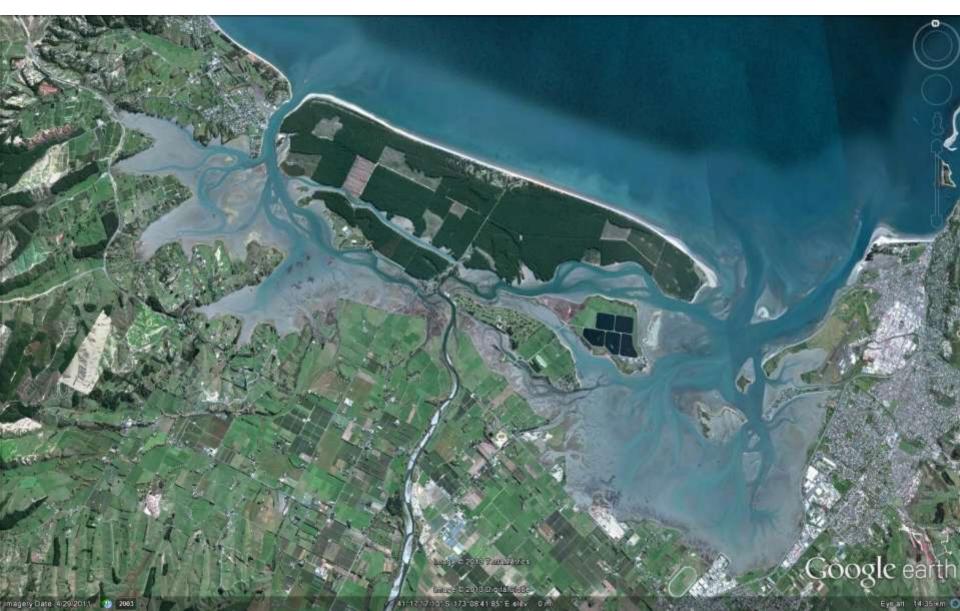


Wilsonia Backhauseii: Saxton Island

- Has been actively managed since 2010
- Control objective of eradication
- Found only between the 3.8m high tide mark and the 3.3m
- Has extensive woody rhizome down to 150mm
- Spraying with Grazon and Roundup Transorb mix
- No water source on the Island
- Slowly decreasing in extent



Waimea Inlet Spartina Programme





Spartina angelica





Waimea Inlet Spartina Programme

- Introduced in the Waimea Inlet in 1930 to "increase saltmarsh productivity" and reclamation.
- Multiple successive plantings between 1930 and 1956.
- A survey in 1975 concluded that Spartina was occupying a total of 16.6 ha in the Waimea Inlet and was estimated to occupy 45 ha by 1987.
- An eradication programme commenced in the 1970s.
- Today there is approximately 20m2 in total and control of these sites uses 7ltrs of mixed Gallant.
- Franko et al 1985 and Shaw

Waimea Inlet Spartina Programme: Recent aerial survey



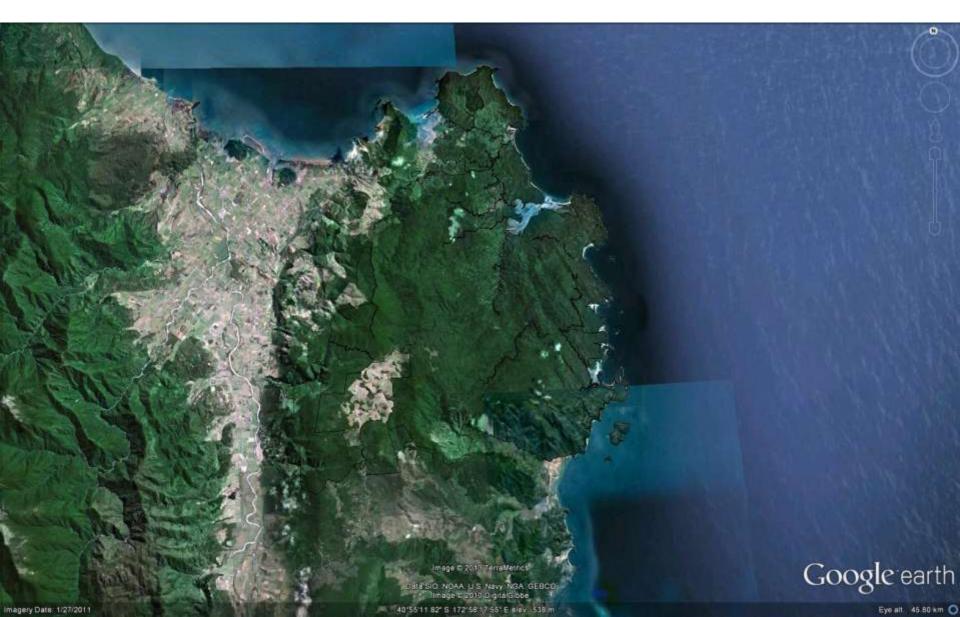


Abel Tasman National Park





Abel Tasman National Park





Falls River Mouth





Abel Tasman National Park



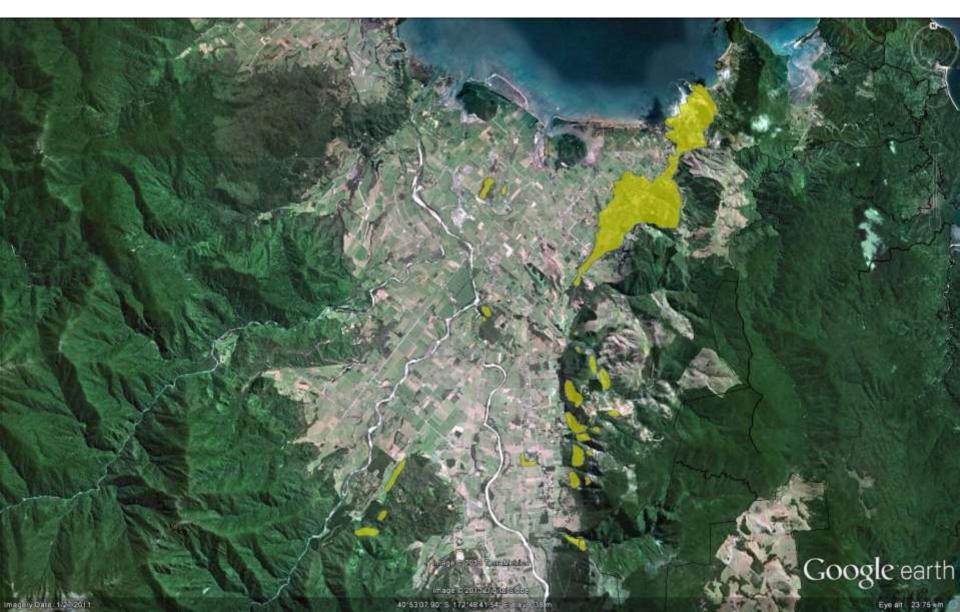
- Project Janszoon A
 privately funded 30 year
 ecological restoration
 project for 20 000ha of
 the ATNP
- •Tonga Island Marine Reserve off shore
- •Weedy interface between the 2 protected and managed areas -Marram Gorse and Iceplant



Jasminium humile

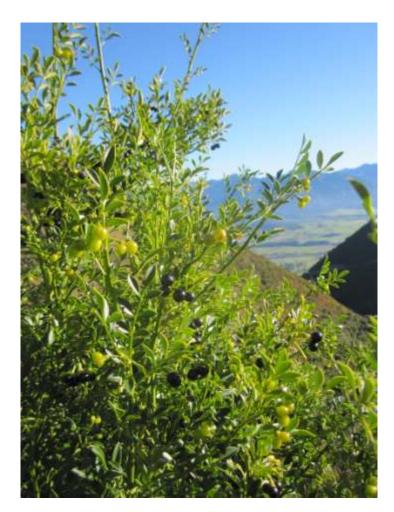


Jasminum humile - Distribution in Golden Bay





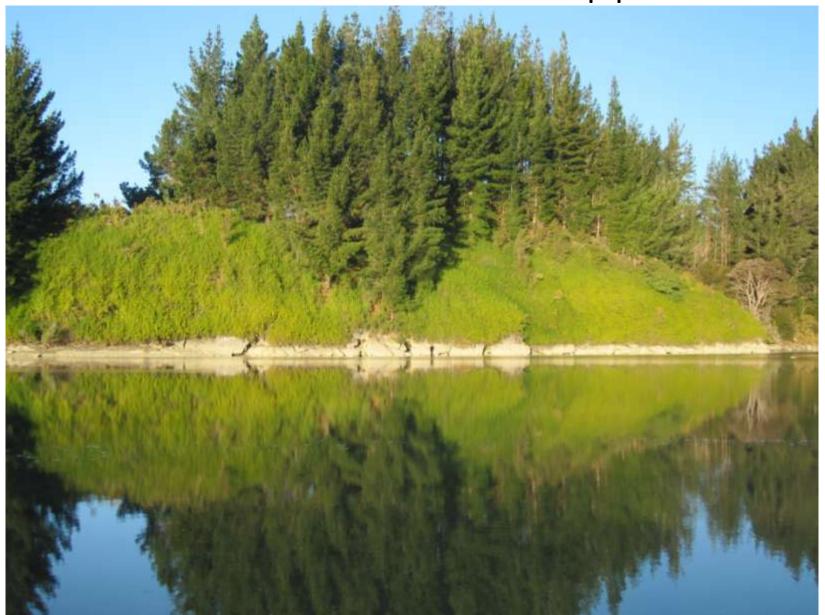
Jasminum humile







Jasminium humile at Motupipi



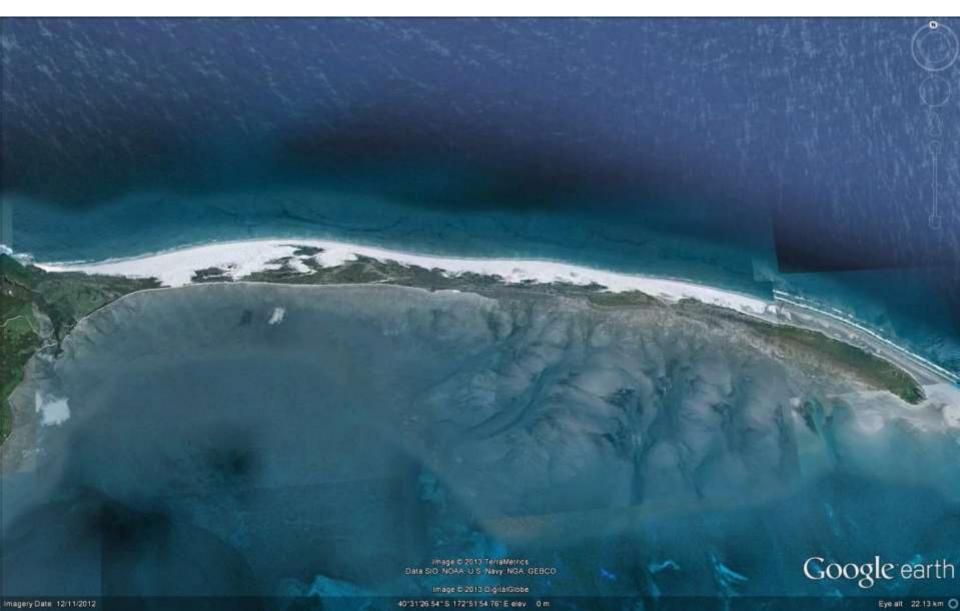


Farewell Spit





Farewell Spit





Farewell Spit

- Shorebird Network Site (11,388 ha) Nature Reserve managed by Department of Conservation
- Established as a Ramsar site on 13/08/76
- UNESCO World Heritage site
- A 30km long sand spit, and intertidal area, extending at a rate of 15m annually.
- The first 2.5 km is open to the public only.
- Joining eco tours is the only way to get to the tip of the Spit, and to visit the lighthouse and the gannet colony.



Farewell Spit – Weed Issues

- Has been burned several times
- Has been grazed
- Dynamic and difficult place to practice weed management
- Marram over the entire area
- Gorse, Spanish heath, climbing asparagus, climbing dock, pampas, pines, hawthorne, barberry, briar rose, smilax
- Buffalo grass, Tradescantia, periwinkle and arum lilly at the lighthouse



Farewell Spit - Weeds





Farewell Spit - Marram





