

ES Science Symposium

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To celebrate the completion of our four-year science programme by showcasing our work and how it provides a resource that will be used by generations to come











te taurikura o Murihiku thriving Southland





Interconnected outcomes

- Managed access to quality natural resources
- Diverse opportunities to make a living
- Communities empowered and resilient
- Communities expressing their diversity



Where are we going



- People, Water and Land Programme
- Southland Science Inc



Action on Ground

Making the change

- On ground programmes (prioritise actions & delivery)
 - · Capacity Building Project
 - Whakamana te Waituna
- Aparima Catchment and Environment
- Mataura Catchment Project

Values and Objectives

Setting the direction

- · Engage with communities
- · Share information
- Values and objectives for water
- · Cultural monitoring programme



Regional Forum

Defining the goalposts

- Develop proposal on objectives, limits and methods
- · Recommend to Council basis for Plan change
- · Meet statutory requirements for NPS-FM

Knowledge

Communication

Evaluation

PEOPLE WATER AND LAND PROGRAMME TE MANA O TE TANGATA, TE WAI, TE WHENUA
Inspiring Change to Improve Southland's Water and Land

Southland Science Inc









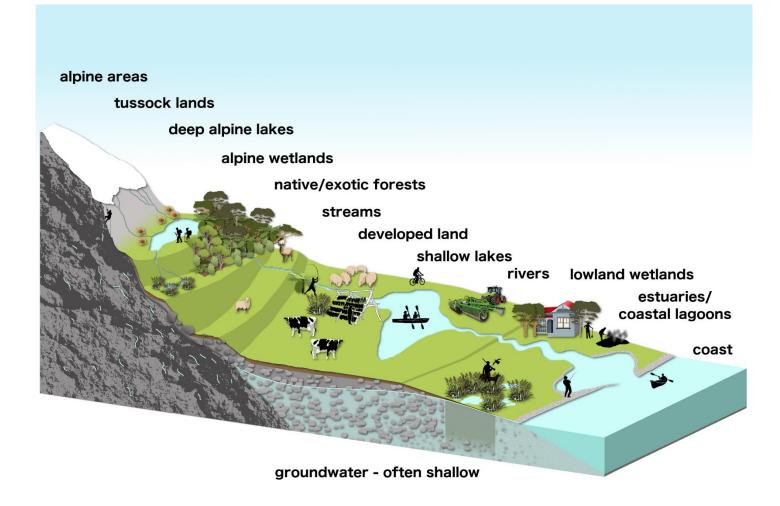


Evolution of Knowledge

- Everything is connected land, water, air, people
- Evolution in each of many disciplines
- Integrating multiple disciplines
- Value, change and people







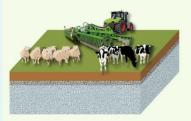
Evolution in disciplines



Developing ways to explore the economic impacts of catchment limits for water quality

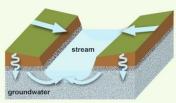
Characterisation Programme

Land Use Inputs



How does what happens on the land affect contaminant loss?

Fluxes and Flows



How do water and contaminants move through the landscape?

Ecosystem Responses



How do aquatic systems respond to stressors?

Physiographics of Southland



Why does freshwater quality vary across the region?



Evolution in disciplines

Environment Southland Science Reports

A Story Map 🖪 💆 🔗





Southland Science

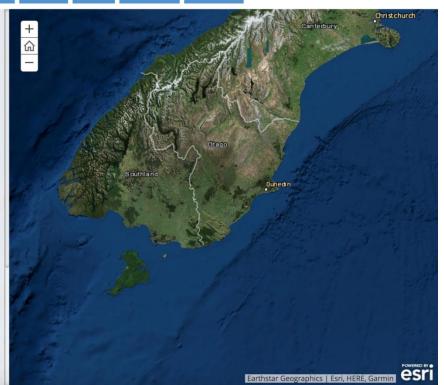
Environment Southland Science Programme 2014-18

In 2014 Environment Southland partnered with several research organisations and stakeholders to embark on a comprehensive new four-year science programme. This body of work was undertaken in addition to our existing monitoring work.

The purpose of the new programme was to provide a strong conceptual understanding of natural and socio-economic systems functions in Southland, to provide the when and where context for community engagement and better resource management - specifically to prepare for setting limits under the national policy statement. This was a significant new level of investment by the Council in science, and in working together with other organisations to build a coordinated, integrated knowledge

The programme comprised two main research areas known as the Characterisation Programme and the Southland Economic Project. The Characterisation Programme sought to understand Southland's physical geography, how natural systems interact, and the causes of variable water quality. The Southland Economic Project sought to understand and test the economic and social impacts of potential policy decisions on industry, businesses and the wider economy.

This story map provides access to all the reports produced over the four-year programme, separated into the themes Social,



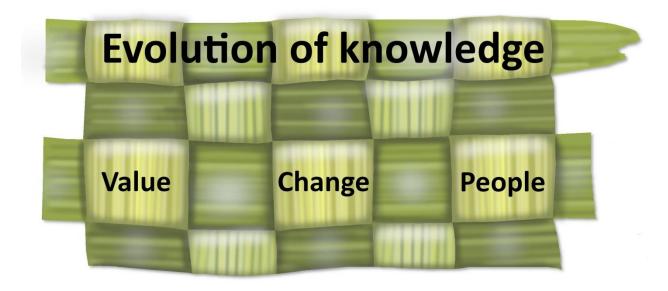
Integrating disciplines

Naku te rourou nau te rourou, ka ora ai te iwi With your basket and my basket, the people will live





Symposium Themes





Value – data worth and integration





Change – environmental gradients and resilience





People – building connections & behavioural change





