

*Geometric Weave
Artist: Anne Reithmaier
Image: Flagstaff
Gallery*

Kirstie Thorpe
Weaving the Strands – NZPI 2019

Heritage Beyond Landscape - Telling Stories of Our Time



Stantec

Our **values** guide us

*E kore e
wareware, ngā
kupu a ngā tupuna
Whatu ngarongarohe
tangata, toitū te
whenua*

*He huinga tangata,
E manaaki ana (i) te
whenua Ko te
oranga o Papa, Te
mauri o Tāne... Ko
te hā o Tāwhiri, Te
aho ki a Ranginui...*

From: He Waiata : Tuia Pito Ora
Composer: Lynette Tawha

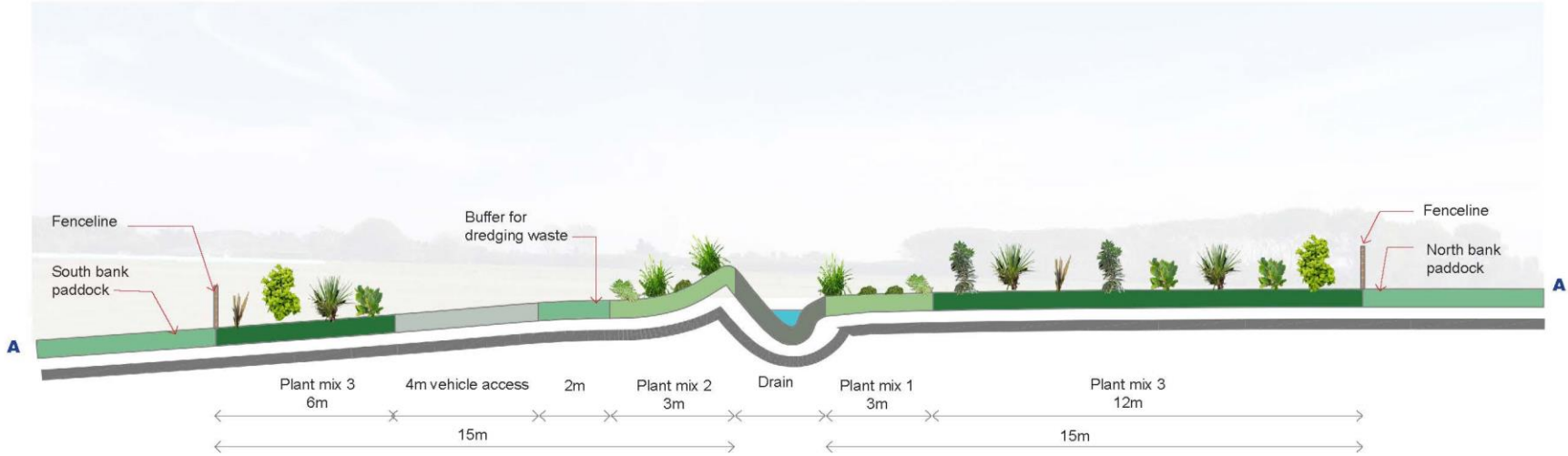


*Te Ahu – Kauri Forest,
Artist: Andy Shaw
Image: Andy Shaw
<https://www.andyshaw.co.nz/Te-Ahu-Kauri-Forest>*

Representing Landscape

A picture paints...

1. SECTION A-A - INDICATIVE AT PLANTING
NTS



2. SECTION A-A - INDICATIVE OF GROWTH AT MATURITY
NTS

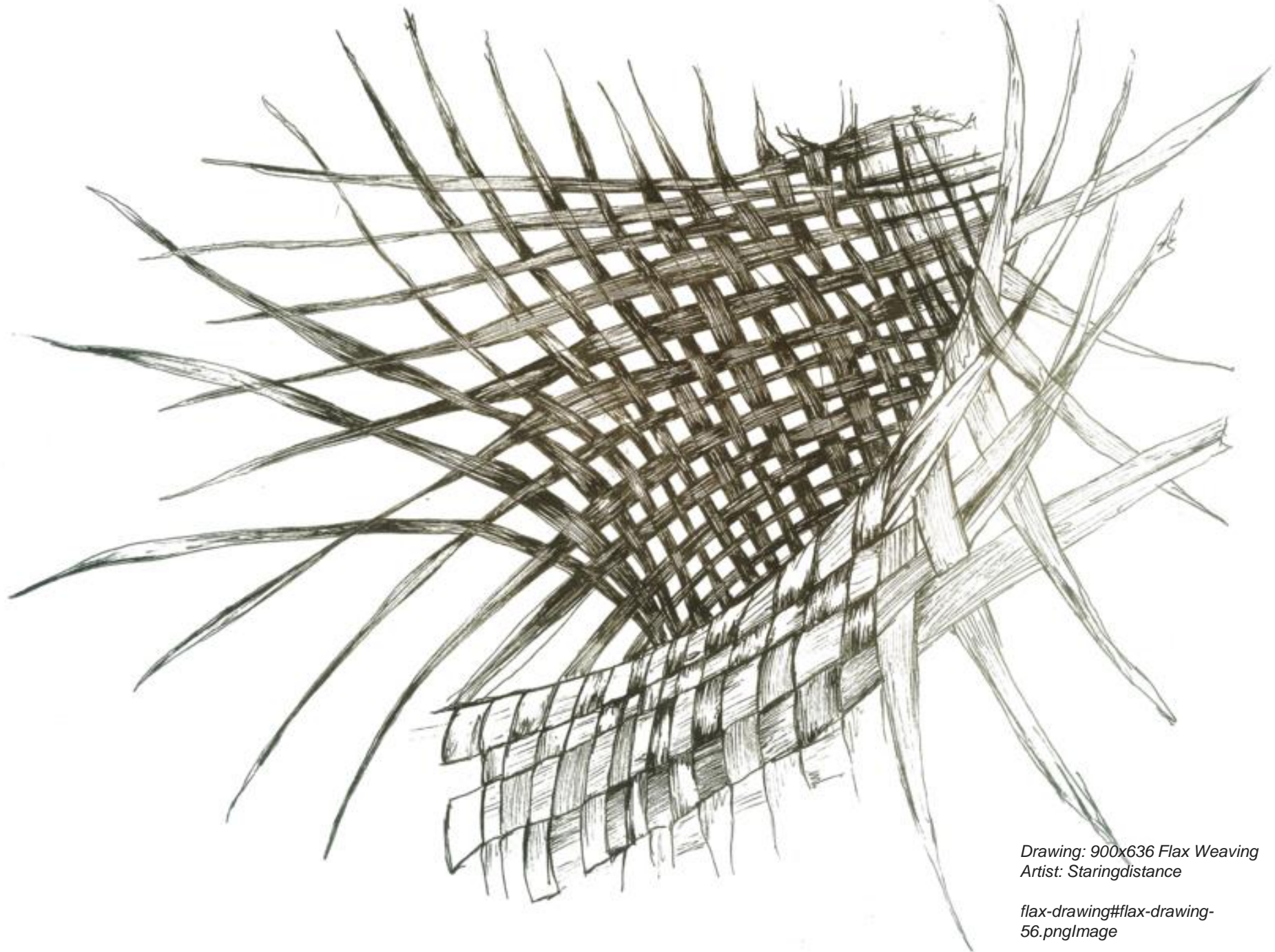


Drawing: Murrays Drain Riparian
Planting Plan - Sections
Landscape Architect: K Thorpe,
Stantec

Heritage and **Memory** guide us

How can we tell the stories of land and people using landscape as a medium?

Can we balance heritage landscapes and water quality, with viable primary production in our rural landscapes?



*Drawing: 900x636 Flax Weaving
Artist: Staringdistance*

*flax-drawing#flax-drawing-
56.pngImage*

Freshwater Stewardship



*Tewaikoropupu Springs, Tasman
Image: DOC
<https://www.doc.govt.nz/parks-and-recreation/places-to-go/nelson-tasman/places/takaka-area/te-waikoropupu-springs/>*

Water in New Zealand

90%

Target for large rivers
and lakes swimmable
by 2040

MfE, 2019

\$17 billion

Dairy Exports (March 2018)
20% of NZ's total, with 90%
output exported

How does the dairy sector share its growth? NZIER, October 2018

92%

Of large streams are fenced
(+ 82% of small streams)

Landcare Research – Rural Decision Makers Survey, 2017

184,211ha

Land under protection
of the QE2 Trust

QEII National Trust Annual Report, 2018

67%

Of private land owners
agree that habitat should
be protected

Landcare Research – Rural Decision Makers Survey, 2017

93,000

Views of '*The Vision is Clear*'
Dairy NZ's waterways video
in the first 5 days

Dairy NZ

Culprits?



Cows trampling waterways

Image:

http://www.somethingfishy.ie/teachers_zone_lesson4.html

Landscape architecture

'A landscape is a space deliberately created to speed up or slow down the process of nature. As Eliade expresses it, it represents man taking on himself the role of time'. JB Jackson

Corner, James. Ed. (1999). *Recovering landscape – Essays in contemporary landscape architecture*. Princeton Architectural Press. NY

Te Waihora
Artist: Mike Glover
Image:
<http://www.mikegloverart.nz/gallery.html>

Connection

'People form connections with landscape and we [landscape Architects] help strengthen those connections'.

Dr Diane Menzies, <https://nzila.co.nz/>



Lilybrook Park Rangiora
Engineers: Stantec
Landscape Architects: Earthwork
SI Ltd.

Character

‘Te Waihora / Lake Ellesmere is a very large brackish water body which holds a range of outstanding conservation features. Within the Te Waihora... system, 158 bird species, including 133 indigenous species, have been recorded. There are also a number of rare plants in the area’

Boffa Miskell Ltd. (2010). *Canterbury regional landscape study review*. Christchurch.



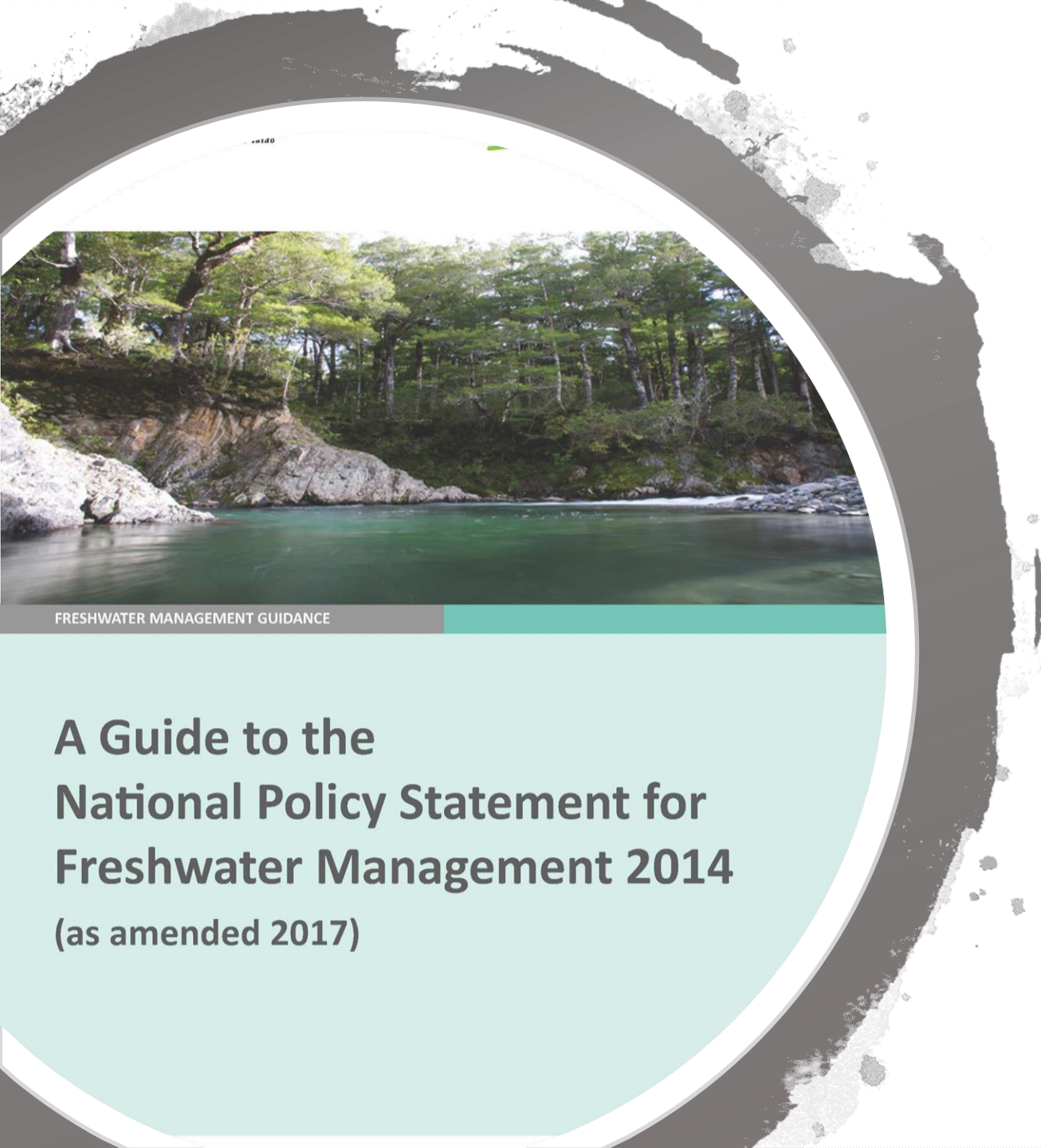
Geese along the shoreline of Lake Ellesmere
Image:
<https://teara.govt.nz/files/p-16726-pc.jpg>

Community

Heritage
Relationships
Environment
Water



Te Taumutu Runanga
Artist: Liz Brown (1995)
Image: at Ngai Tahu
<https://www.tepanui.co.nz/2015/05/te-taumutu-runanga-18/>



FRESHWATER MANAGEMENT GUIDANCE

**A Guide to the
National Policy Statement for
Freshwater Management 2014**
(as amended 2017)

National Policy
Statement for **Freshwater
Management**

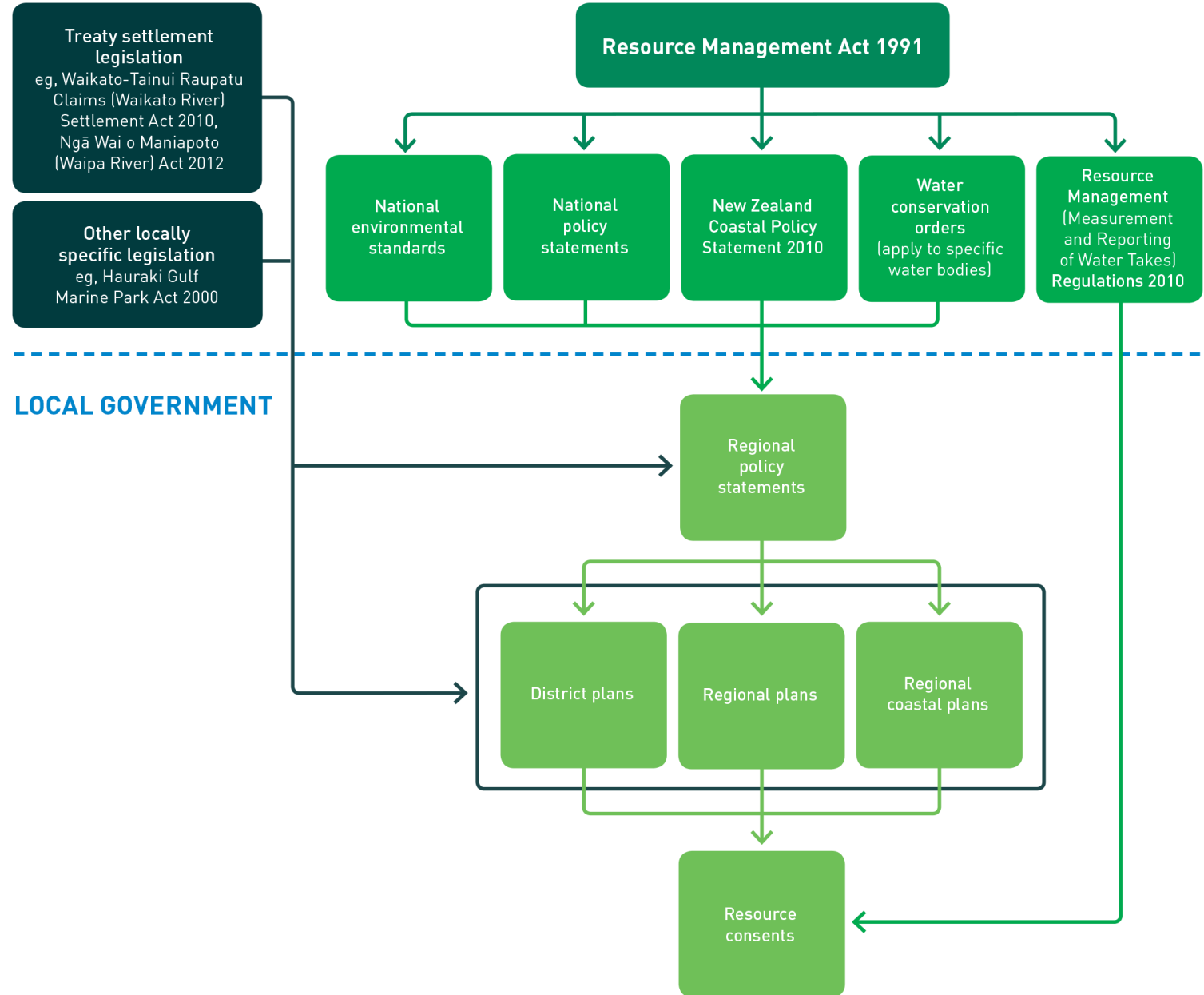
Amended 2017

Ministry for the Environment. (2017). *A Guide to the National Policy Statement for Freshwater Management 2014 (as amended 2017)*. Wellington: Ministry for the Environment.

Legislative & regulatory instruments for freshwater management

Ministry for the Environment. (2017). *A Guide to the National Policy Statement for Freshwater Management 2014 (as amended 2017)*. Wellington: Ministry for the Environment.

CENTRAL GOVERNMENT





Selwyn District Plan Review

Review of District Plan
Provisions Relating to Water

Community involvement in freshwater management

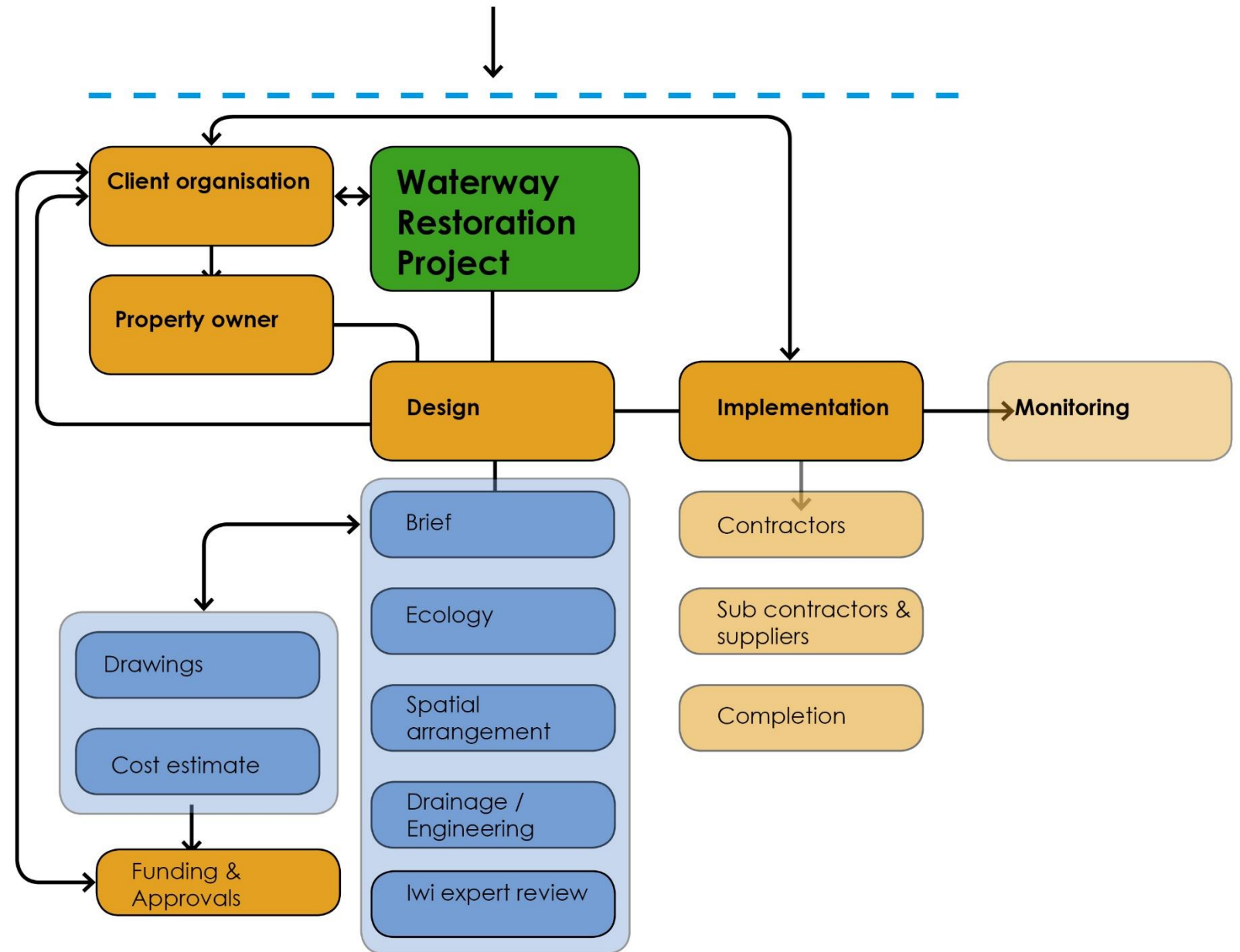
Decisions must involve
input from iwi and hapu
& the local community

Identify values
Freshwater objectives
Management
interventions



*Before: Waikewai Stream
Image: Author*

Project process



Heritage

Patterns in the landscape



Plants and their uses



Kowhai



Pukio



Koromiko



Harakeke



Matai

Relationships

People with

The wider community

Neighbours

The landscape

Environment

**THE
VISION
IS CLEAR**

Powered by DairyNZ

LET'S IMPROVE OUR WATERWAYS

Environment

Tactics

Shade for waterway

Fencing

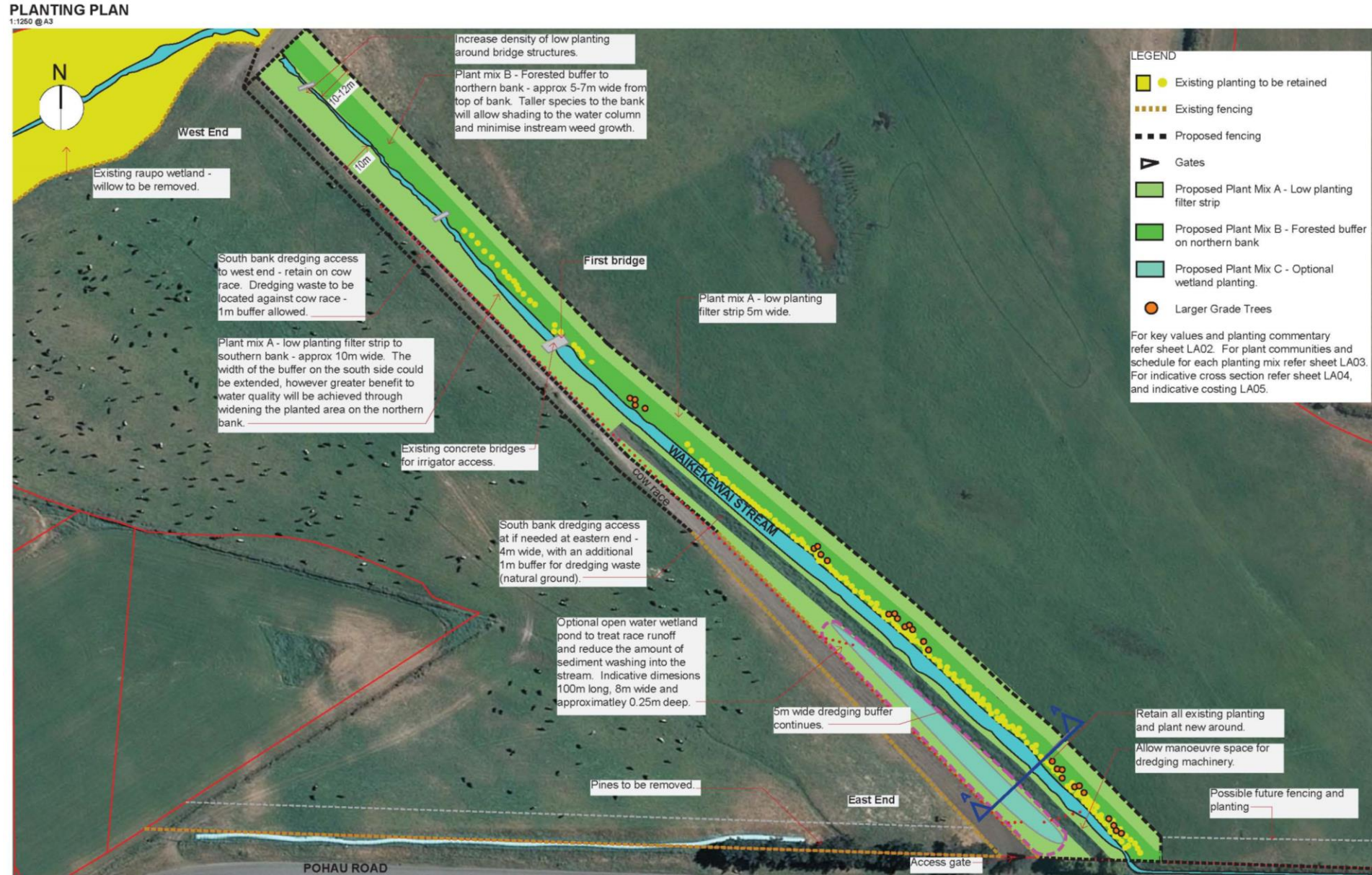
Cow race

Wetland

Different plant mixes

Maintenance access

Drawing: Waikewai Stream
Riparian Planting Plan
Landscape Architect: K Thorpe,
Stantec



Water

Beyond the ordinary toward
freshwater stewardship

Benefits

Water quality

Ecosystems & habitats

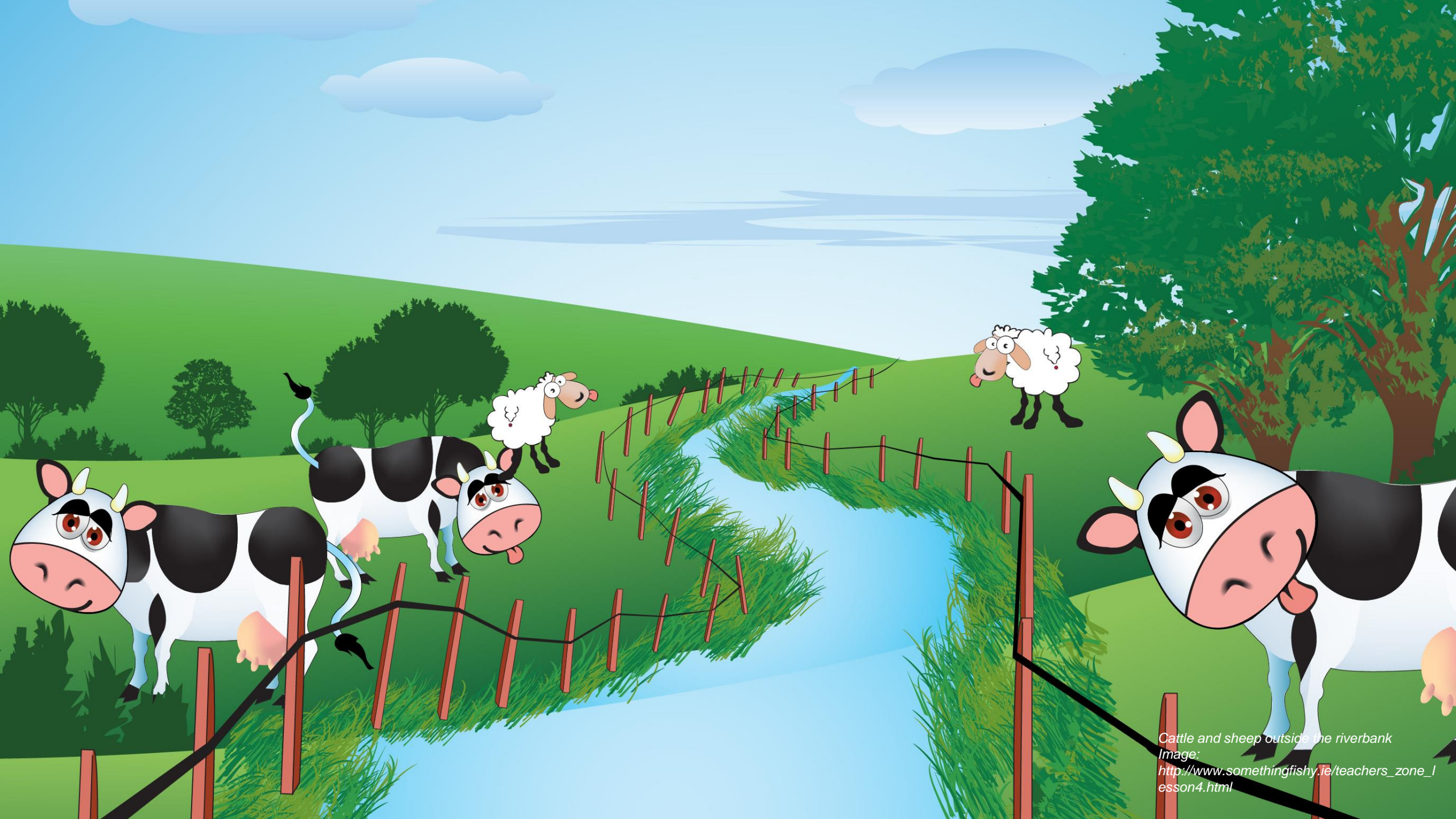
Iwi able to exercise
kaitiakitanga and
rangatiratanga

Adapt to climate change

Recreation & tourism



Te Waihora
Artist: Anne Dillon
Image: Flagstaff
Gallery



Cattle and sheep outside the riverbank
Image:
http://www.somethingfishy.ie/teachers_zone_lesson4.html

