Manaaki Whenua Landcare Research

Open Data, Open Potential

Open data supporting agricultural sector and Māori land use decisions





Our Land, Our Future To tatou whenua, mo apopo

Riparian Planner Tool

Manaaki Whenua Landcare Research



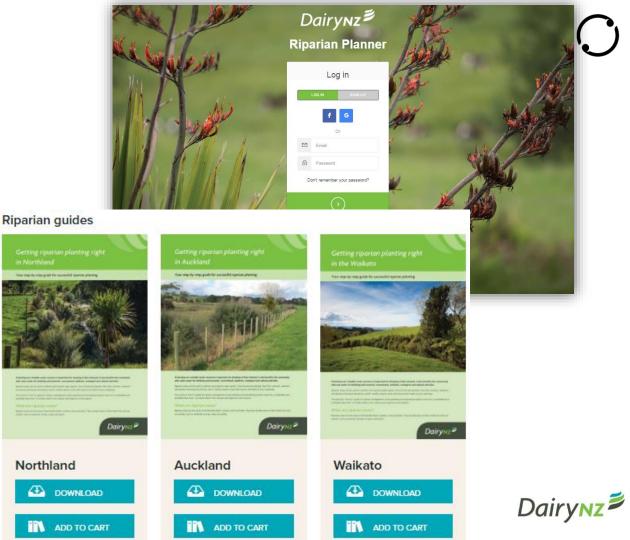






Riparian Planner

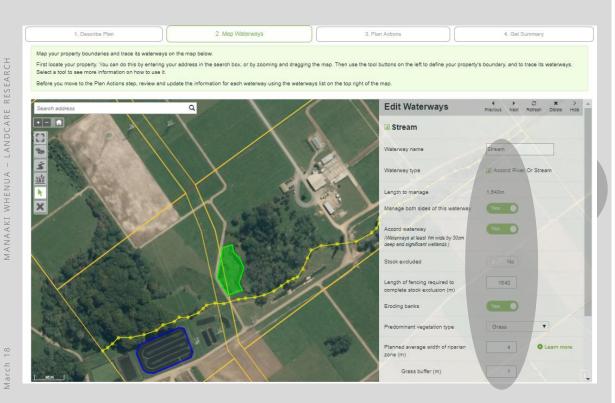
- Launched mid-2016
- Free-to-use
- Voluntary
- ~1250 users
- Online maps
- Online guidance
- Supported under SLA



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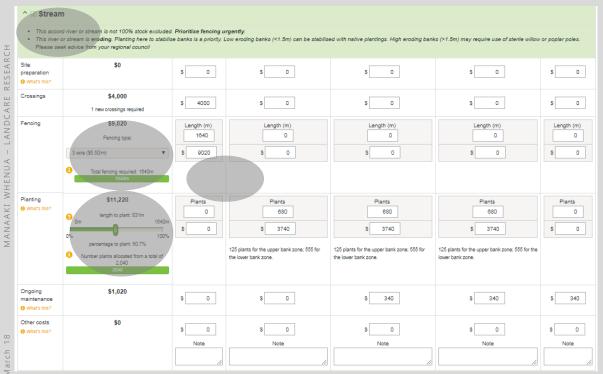
How Farmers Use Riparian Planner



Key features

- Locate property (address search)
- Mark farm boundaries
- Mark waterways
- Record stock exclusion
- Record setback
- Record plant cover & zones
- Prioritise erosion & weeds

How Farmers Use Riparian Planner



- Action Plan (e.g., prep, fencing, planting, maintenance)
- Time-stamp all actions (plan for, report on)
- Auto-calculations (plants, fencing)
- Farmer decides on scale & rate of action
- Multiple plans (scenario-testing)

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- Collaboration continues
- Data-driven
- Develop new functionality
- Meet regional needs

Data transfer – adding value to Farm Plans & RC land information portals

Improved **wetland** functionality

Developed **mapping** tools & end user experience Manage **carbon** & **biodiversity**?







Māori Land Visualisation Tool

Integrating Land Information for Māori

https://whenuaviz.landcareresearch.co.nz

Visualising Māori Land

Home About Give Feedback Help

A prototype tool for accessing and interpreting environmental information about Māori land

Te Puke 1A17B1 Link to Māori Te Puke 1A17B1 has an area of 0.1 hectares. There is 1 share. There is 1 owner Land Online... View the block details at Māori Land Online. High Unsuitable Moderate Low Add an Overlav ٥ A No Overlay (37) X Potential Te Puke No 1A No 4B V Land Capability Suitability 9.5 hectares Cropping 35 owners + 22.9625 shares Horticulture Pasture More details Forestry Make an enquiry Protection 1 and Cover Atuaroa Ave Current Landcover Donov Historic Vegetation Current Wetlands Historic Wetlands View other Soils information Soil Drainage layers... Link to other 'ghlin De Muir-P information held in Te Puke Domain DigitalNZ... 200 m p data @2011 Google; Whereis(R), Sensis Pty Ltd - Terms d

Search

Māori land information

Issues & barriers

- Land fragmented, many small blocks
- Many land blocks have no management
- Multiple ownership Issues of governance on many blocks (planning, making decisions)
- Type of land (mostly low-productivity / steep)
- Much land considered underdeveloped, undeveloped, or under-utilised
- Difficulties in gaining access to high quality information on Māori land
- Information often highly technical (e.g. GIS, land evaluation, soil reports) hard to understand

What Māori are asking:

Where is my land?

What does it look like? (what are the main characteristics of my land?

What is around me?, other blocks in the vicinity/district?

What can I do with it? What is the land good for? suitable for? What is the potential of my land?

Visualising Māori Land

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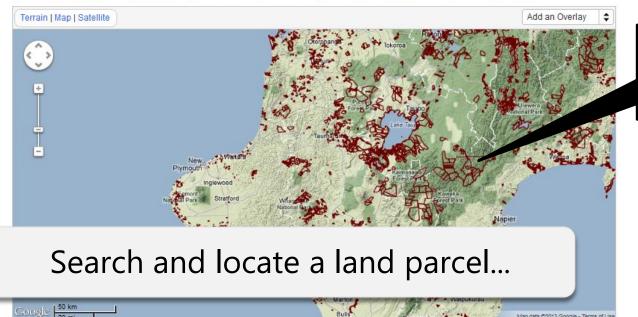


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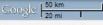
Map data @2013 Google - Terms of Use

Nau Mai Haere mai - Welcome

This website is primarily intended to help Maori land owners and managers to find out more about the physical characteristics, constraints and potential of their Maori land blocks. To use this site either type the registered name of your land block in the search box above or using the map, zoom to the location of your land block and click on the land block's boundary. We welcome your thoughts and comments on the design of this tool.



Click on a Māori land parcel...



No overlay selected

You can select an overlay from the top left of the map

Visualising Māori Land

A prototype tool for accessing and interpreting environmental information about Māori land

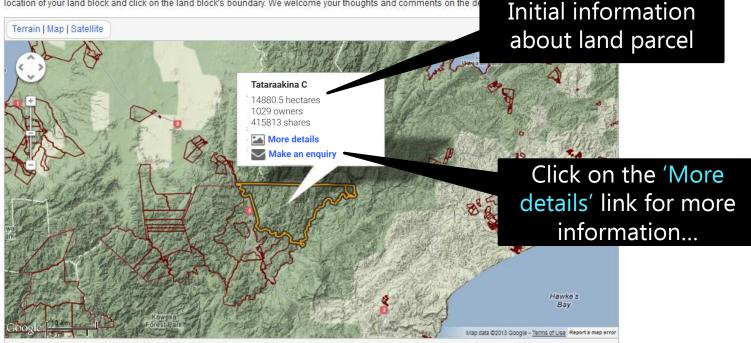
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A prototype tool for accessing and interpreting environmental information about Māori land

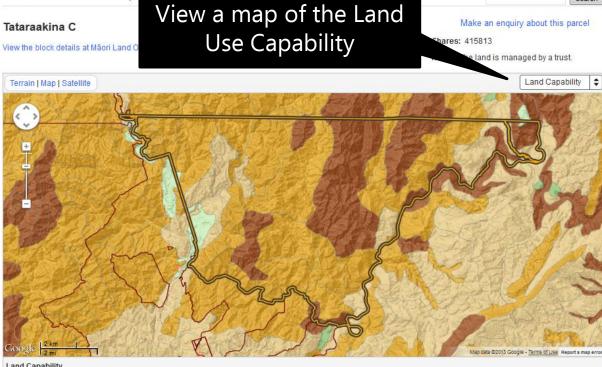


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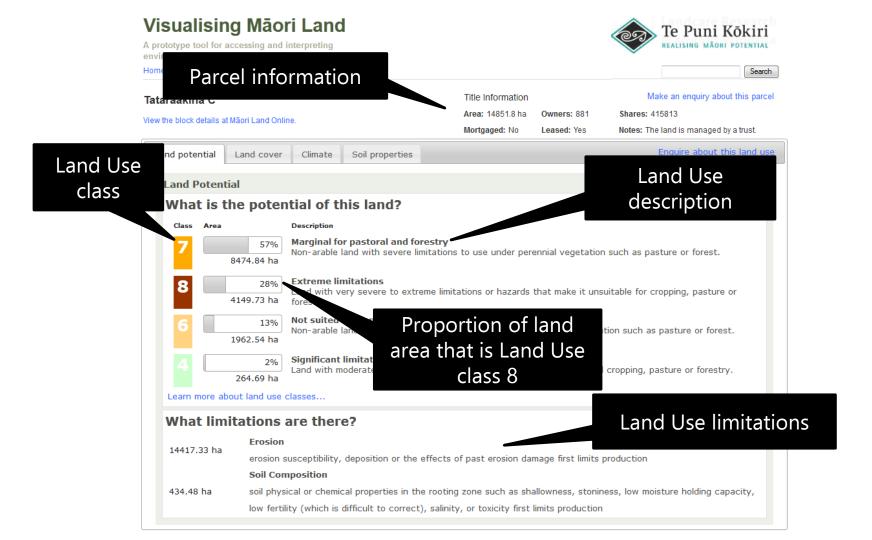
View the block details at Māori Land O

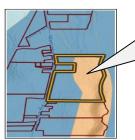


Land Capability

This layer shows the general capability and versatility of the land, and incorporates the degree of physical resource limitation to agriculture, by interpreting and colour coding each of the original eight land-type classes of Land Use Capability (LUC) within the New Zealand Land Resource Inventory(NZLRI).







Te Puke No.1A No.4B 9.5 hectares 32 owners 22.9625 shares Managed by a trust

What are the soil properties of this land?

Soil Physical Characteristics Soil Chemistry Rock outcrops and surface boulders Measure of acidity (pH) Not rocky [2497.3 ha] Near neutral [703.9 ha] Slightly rocky [11773.3 ha] Moderately Low [13893.8 ha] Moderately rocky [581.3 ha] Low [254.1 ha] 93.5% Learn more... Learn more... Particle Size Cation exchange capacity Unclassified [13725.4 ha] Medium [545.2 ha] Skeletal [655 ha] Low [14306.7 ha] Loamy [216.5 ha] Sity [255 ha] Learn more... Learn more...

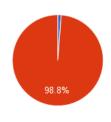
What is the drainage like on this land?

Current vs Historic Wetlands

No applicable features on this parcel.

Learn more...

Soil Drainage



Learn more...



Our Land, Our Future Tō tātou whenua, mō āpōpō