



Forest & Bird
TE REO O TE TAIAO | *Giving Nature a Voice*

CELEBRATING
100
YEARS 1923-2023

RESILIENCE

NZIC Conference 2024

Tom Kay

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Tutaekuri River

Cyclone Gabrielle

Photo: Steve Dighton





Image: Tom Kay
Tutaekurī River, Redclyffe Bridge

Image: Tom Kay
Puketapu/Dartmoor
Rd area



“[These events] will become more severe as the planet continues to warm. That will mean... heavier rain, and more problems from... flooding.”

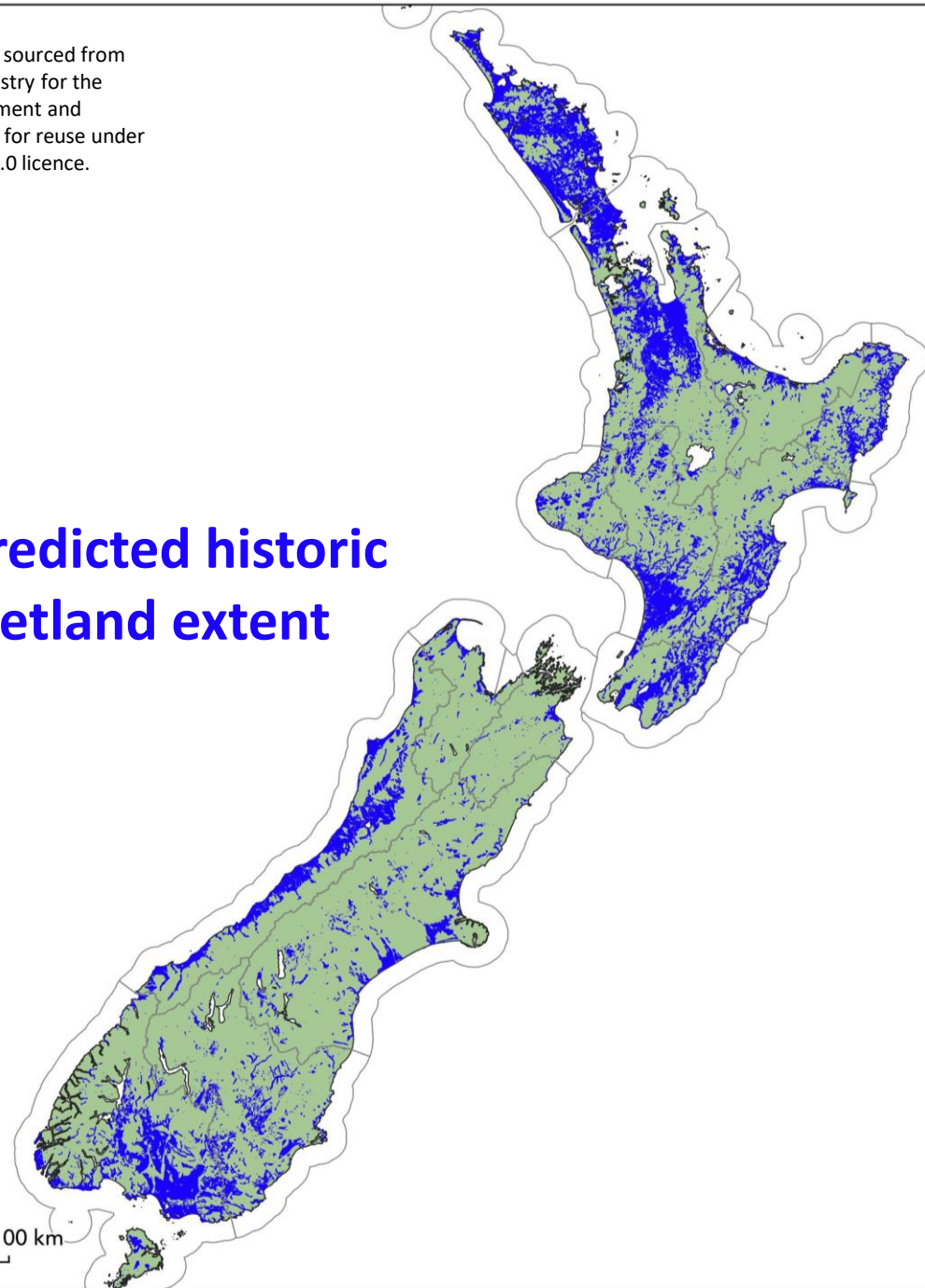
MetService

<https://blog.metservice.com/TropicalCycloneGabrielleSummary>

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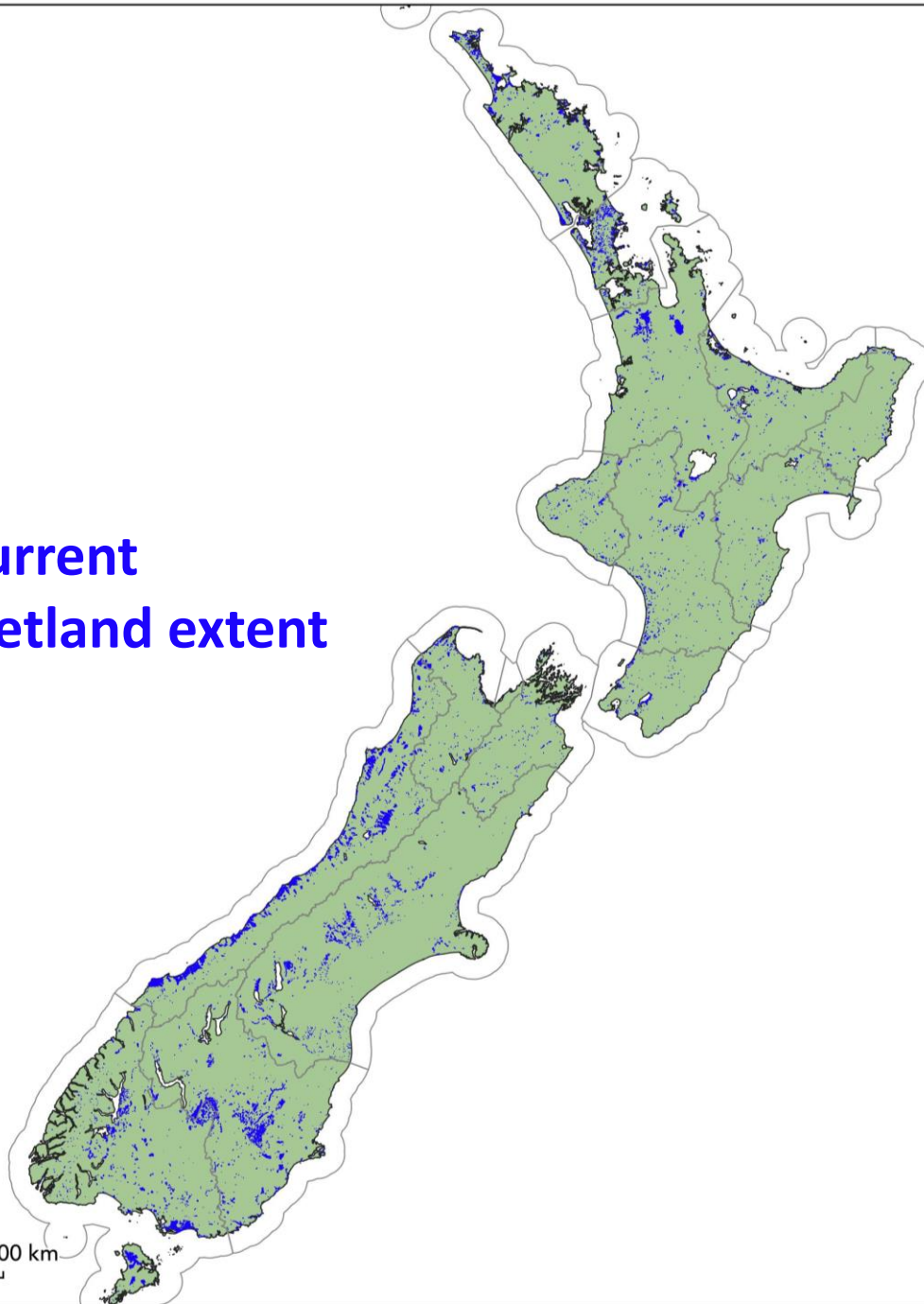
Predicted historic wetland extent

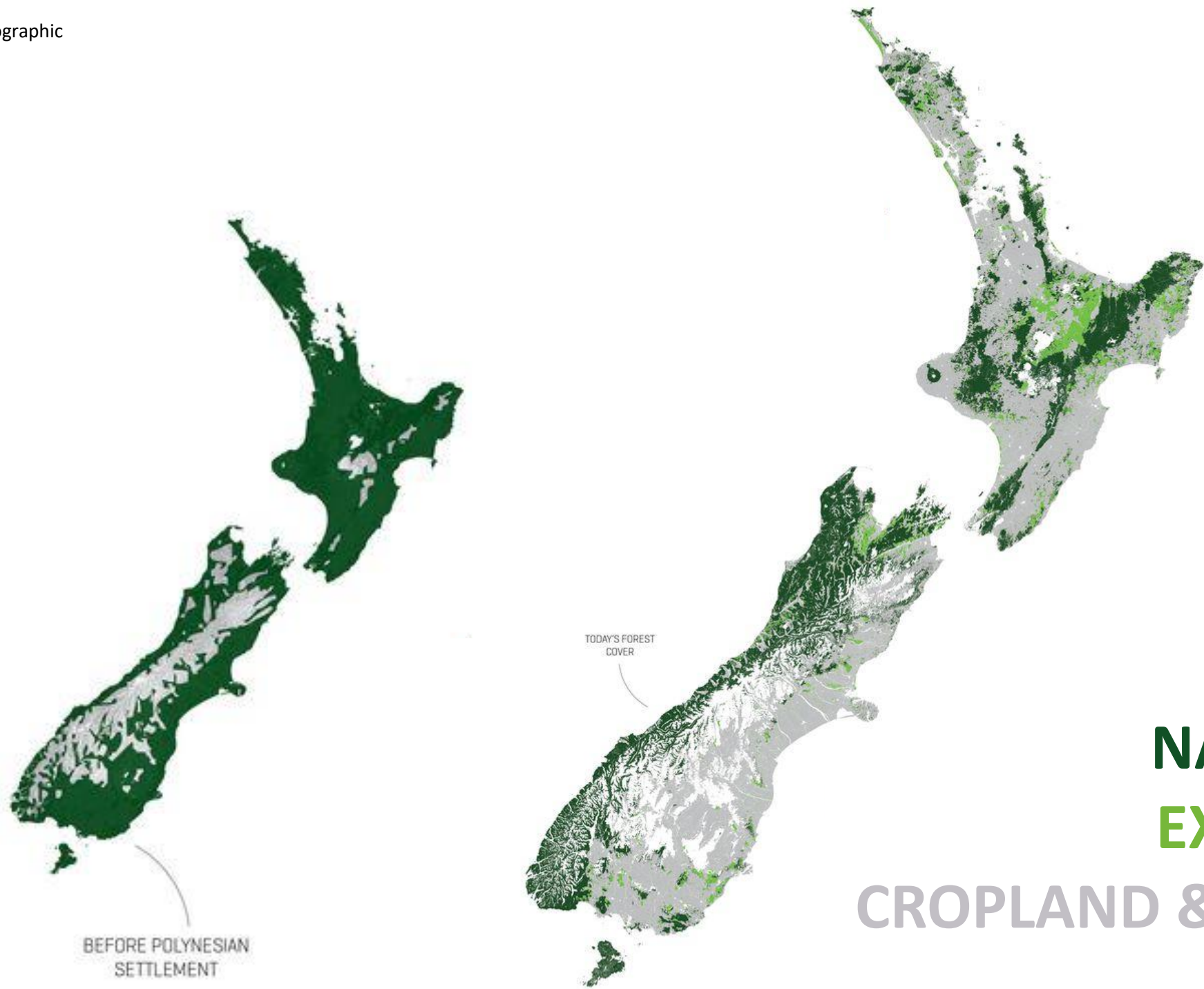
0 100 km



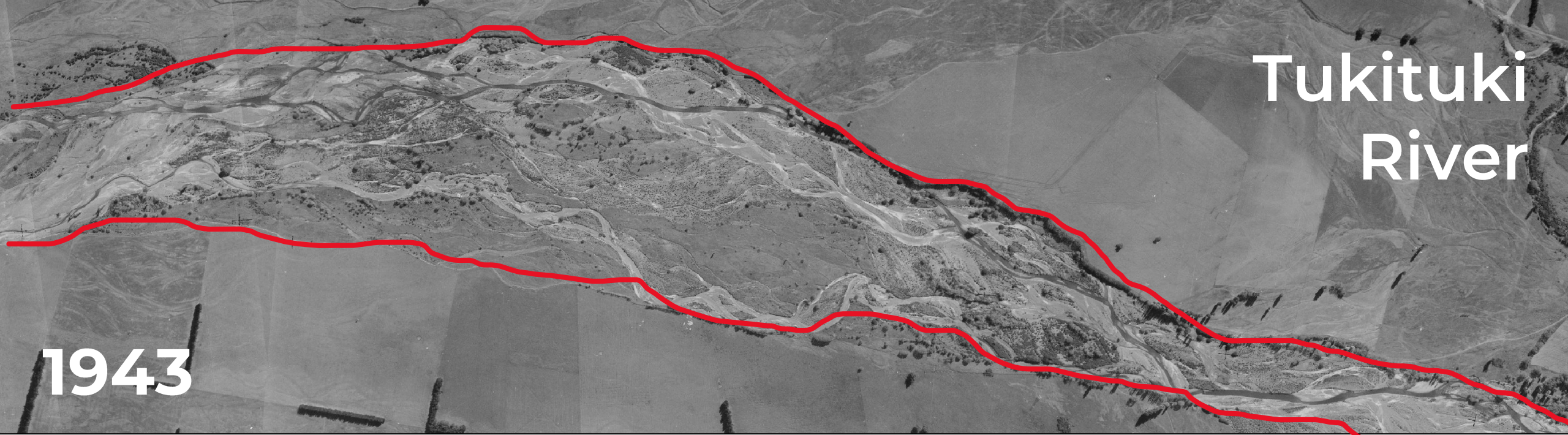
Current wetland extent

0 100 km





NATIVE FOREST
EXOTIC FOREST
CROPLAND & GRASSLAND



Mangaone, Palmerston North, 1949

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Making Room for Rivers [↗](#)

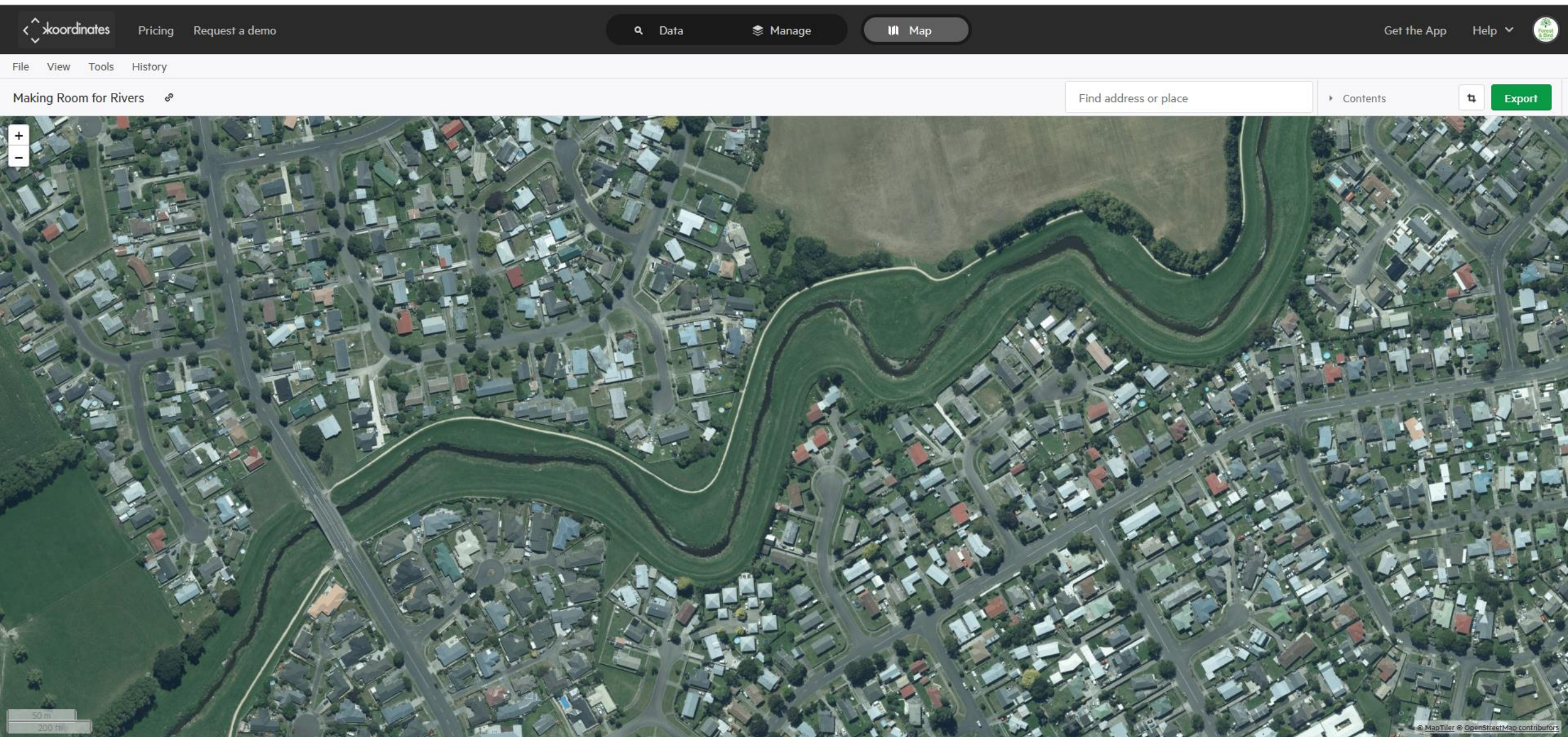
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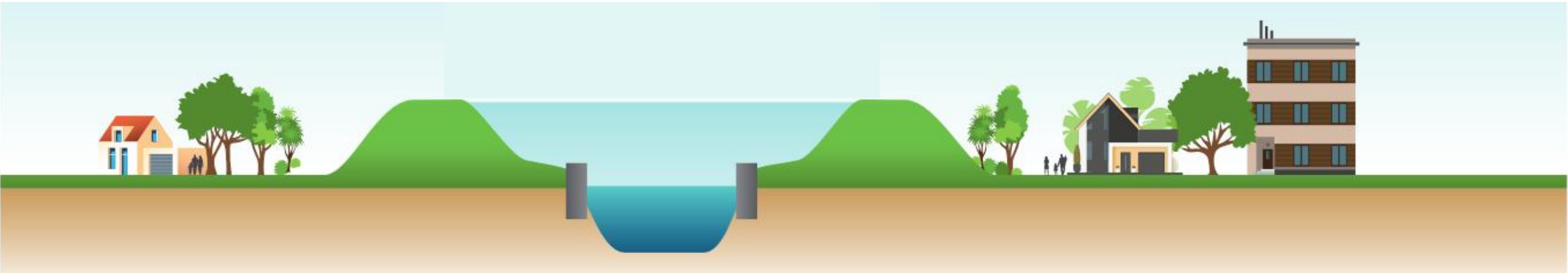
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Mangaone, Palmerston North, 2022



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From: Tukua Ngā Awa Kia Rere / Making Room for Rivers, Forest & Bird



Narrowed Wairau River influencing aquifer recharge levels

Maia Hart Local Democracy Reporter · 05:00, Jun 27 2022



STUFF

A narrowed Wairau River could be contributing to a decline in the Wairau aquifer, a key source of irrigation, drinking and stock water.

Received: 3 February 2022

Revised: 24 October 2022

Accepted: 5 November 2022










DOI: 10.1002/wat2.1624

FOCUS ARTICLE



WILEY

Reanimating the strangled rivers of Aotearoa New Zealand

Gary J. Brierley¹  | **Daniel Hikuroa**²  | **Ian C. Fuller**³  |
Jon Tunncliffe¹  | **Kristiann Allen**⁴  | **James Brasington**⁵  |
Heide Friedrich⁶  | **Jo Hoyle**⁷  | **Richard Measures**⁷ 

“working against nature does not work”

**“[we] may inadvertently be manufacturing
future disasters”**

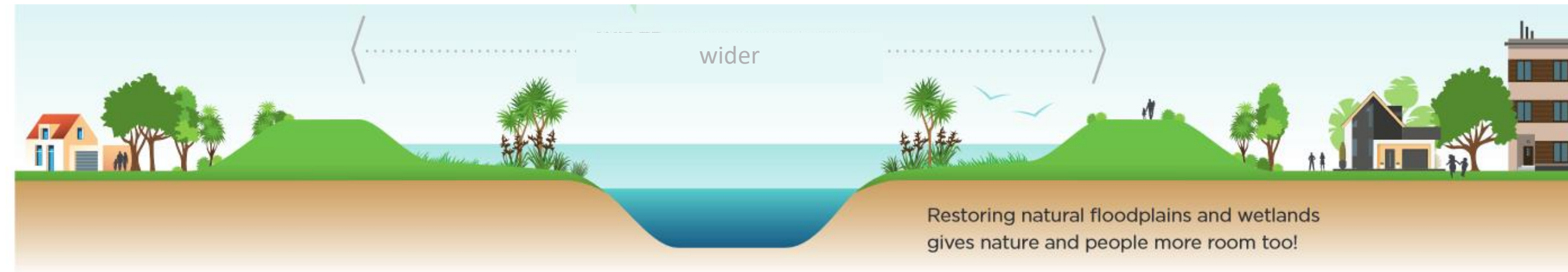
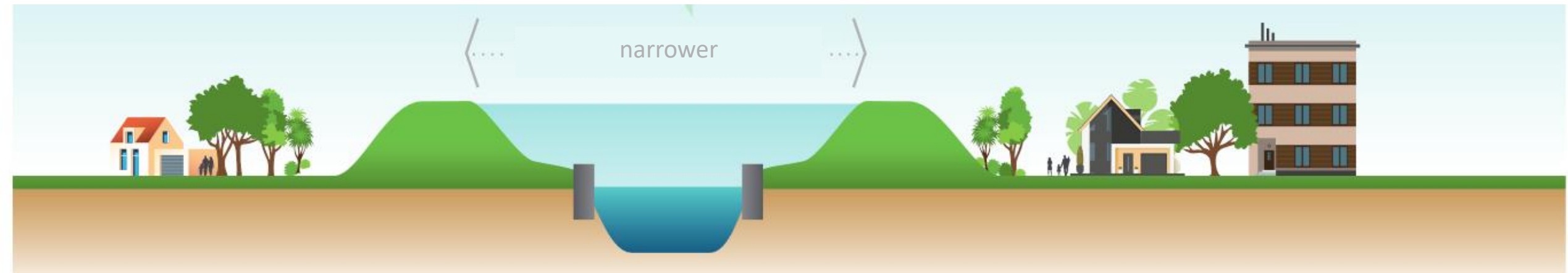
"moving out of harm's way saves lives"

Parliamentary Commissioner
for the Environment
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INQUIRY INTO FLOOD
MITIGATION MEASURES FOLLOWING
CYCLONE BOLA

**“...unwise intensive development
behind stopbanks has often been
encouraged”**



Mayor supports 'Making Space for Water'

Publish Date : 17 May 2023 MAYOR



Home / New Zealand

<https://www.nzherald.co.nz/nz/auckland-council-and-government-set-to-unveil-1-billion-plus-package-to-buy-out-700-homes-and-meet-other-storm-related-costs/73AUQGKWWFFW7BN2LGK5VLACRI/>

Auckland flood relief: Council, Government to unveil \$1 billion+ package to buy out hundreds of homes



By [Bernard Orsman](#)

24 Aug, 2023 05:00 AM ⌚ 5 mins to read

🔖 Save

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Proposed National Policy Statement for Natural Hazard Decision-making 2023

Policy 6: ... (a) nature-based solutions are preferred over hard-engineering solutions



Ministry for the
Environment
Manatū Mō Te Taiao



Te Kāwanatanga o Aotearoa
New Zealand Government



FIRST PUBLISHED JUL 7, 2023

Updated Jul 9, 2023



Lois Williams

Lois Williams joins Newsroom after more than three decades as a senior Radio New Zealand journalist and more recently as a Local Democracy reporter on the West Coast.

SUSTAINABLE FUTURE

Holes found in Westport flood plan

As a multimillion-dollar project to protect one of the most flood-prone towns in the country moves ahead, an engineering review suggests a rethink is needed.

Plans to ring-fence Westport with a series of flood walls could turn the town into a bathtub and increase the risk to life and property, engineers say.

IN DEPTH

1415 new homes consented on Auckland flood plains in the year since flooding disaster

8:31 am on 26 January 2024

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Kate Newton, Senior Journalist, In Depth

[@katnewtonnz](#)

“A possible effect of climate change is that cyclones of some form could pass close to New Zealand with increasing frequency. It may be that in retrospect the Bola storm will not be regarded as such an extreme event.”

“In the interests of future generations... government cannot allow the... nation’s floodplain land to be unwisely used.”