



# TIAKINA NGĀ MANU

Battle for our birds



Western South  
Island update as at  
September 2020



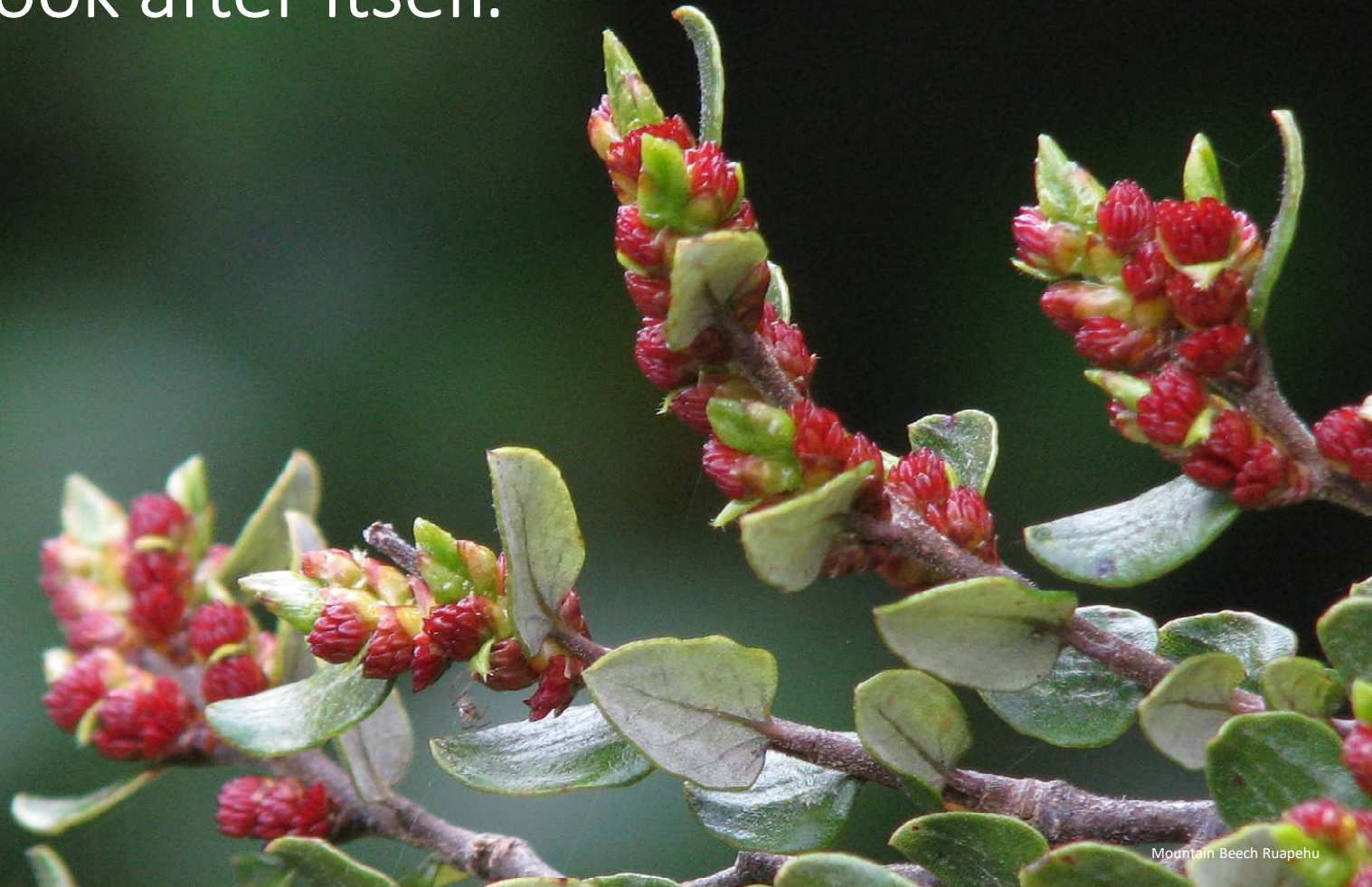
Department of  
Conservation  
*Te Papa Atawhai*

Landscape  
Scale  
Predator  
Control on  
the West  
Coast  
2020 to  
2021



Pororari River, Punakaiki

Look after the birds and the forest will look after itself.



Mountain Beech Ruapehu

# Disappearing songbirds and the places where they live

- Tui
- Bellbird
- Fantail
- Robin
- Tomtit, etc.

Plus 'iconic' birds  
including kiwi, whio,  
mohua, kea and kaka.



# Predator Free 2050

Possums,  
rats and stoats  
eradicated  
from NZ by  
2050



Department of  
Conservation  
*Te Papa Atawhai*



Nga Manu Images

# Do nothing is not an option

*Invasive predators are killing vulnerable native wildlife*

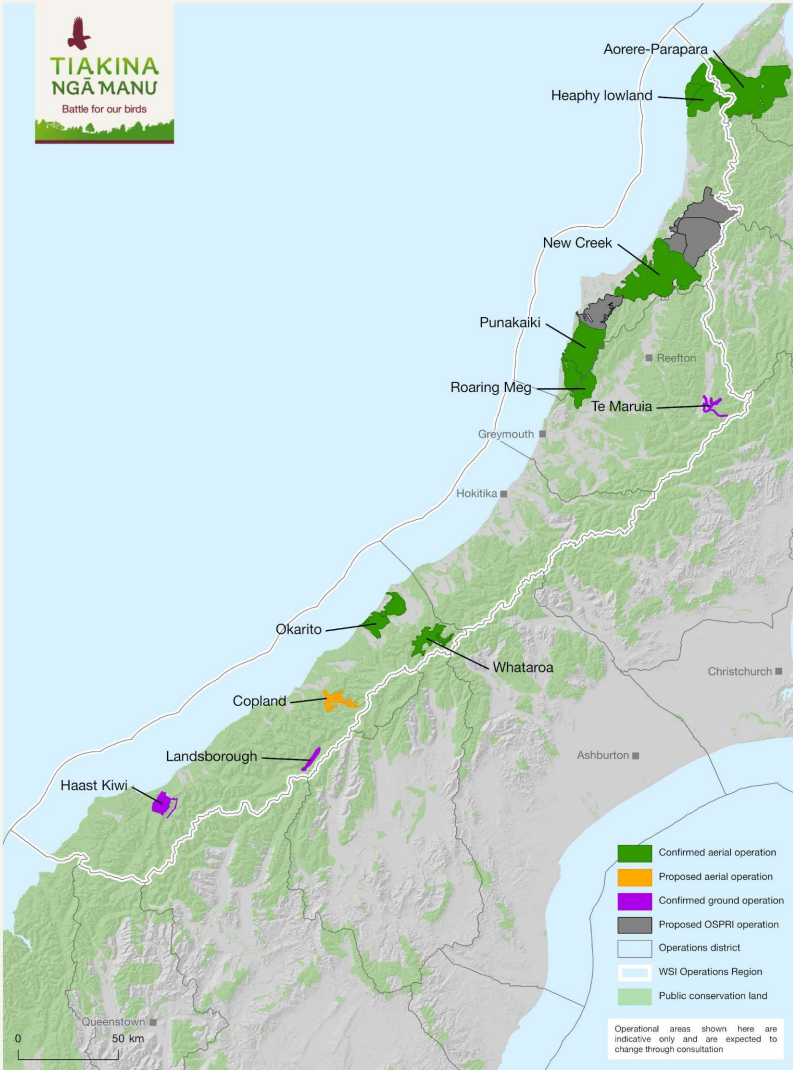
*Hard choices have to be made*



# West Coast sites 2020-2021



Photo: David Hallett

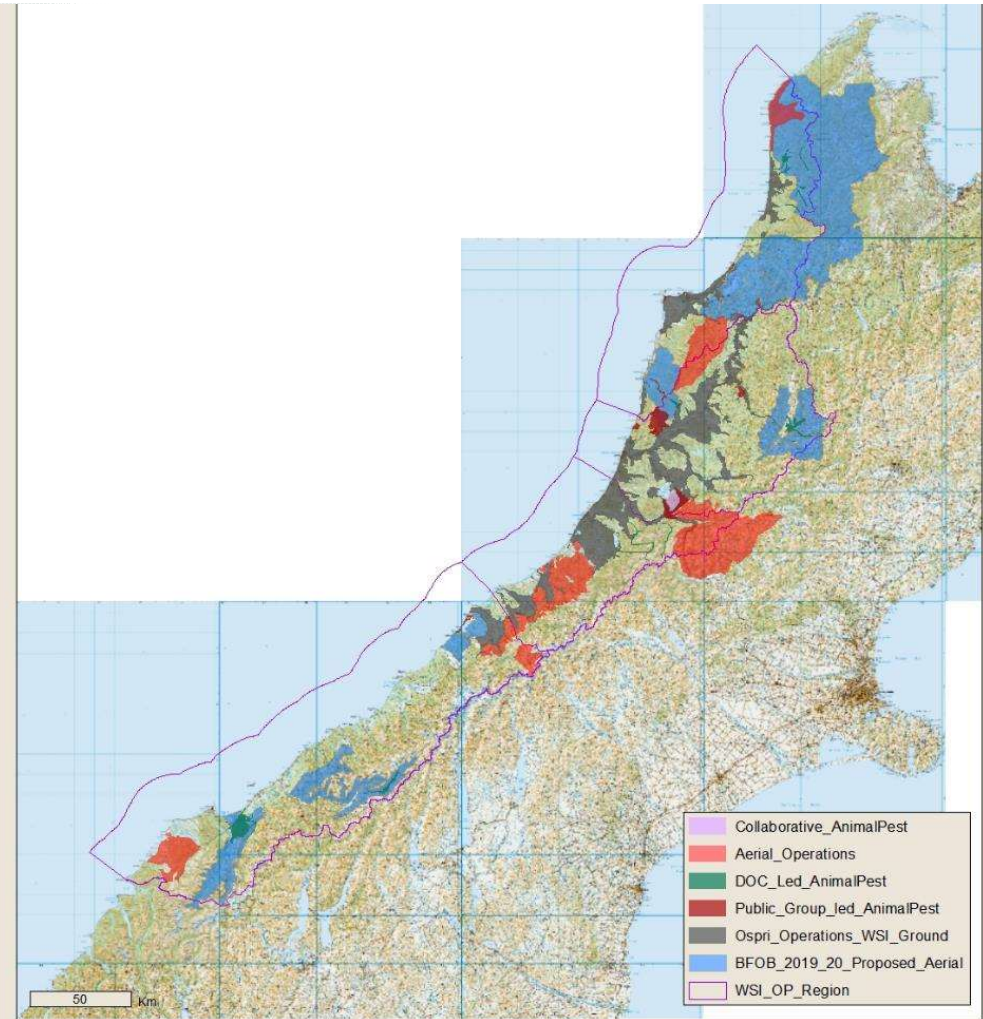


Department of Conservation  
Te Papa Ataturai

Proposed Predator Control 2020/21  
Western South Island Operations Region

NZGD 2000 New Zealand Transverse Mercator  
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New Zealand Government

# West Coast sites including other agencies & groups



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1:1,703,526  
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Produced by : dhaworth on 29/08/2018

WSI Pest Operations  
Proposed and actual as at 2018



File path: O:\GIS\_Users\Greysouth\Projects\2018\_2019\Biodiversity\WSI Pest Control\WSI\_Wide\_Animal\_Pest\_Control\_2018.mxd



# Landsborough valley Mohua - from 14 to 444

OUTCOMES

- Mohua (yellowhead) increased 30-fold since predator control began
- **First time in 21 years...most common bird counted.**
  - Not since prior to European settlement



# Tongariro Forest

20,000Ha

OUTCOMES

One of eight priority management sites

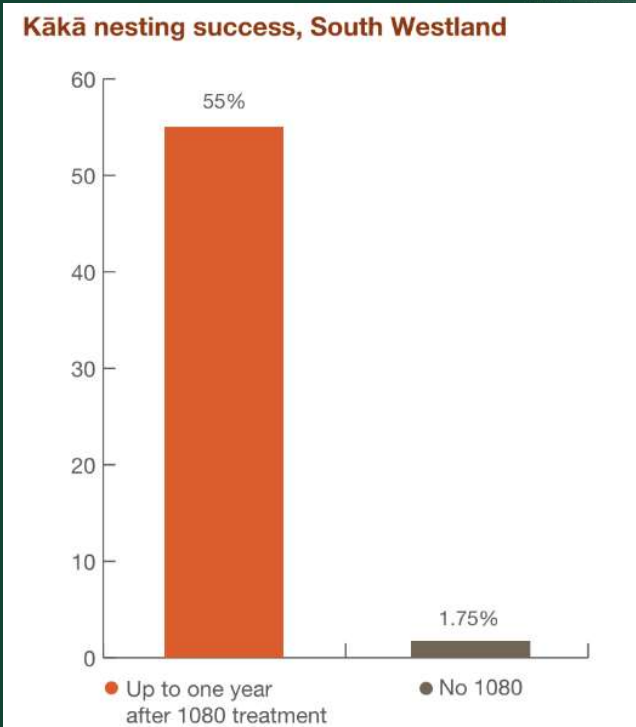
- Predator trapping along rivers
- Aerial 1080 operations
- **Whio pairs jumped from 30 to 109**



# Benefits

- 55% kākā nests successful a year after 1080
- 2% nests produced chicks in non treatment
- 30 times as many kākā chicks produced after 1080
- Adult bird death rate
  - in treatment area = 3%
  - non treatment area = 20%

OUTCOMES

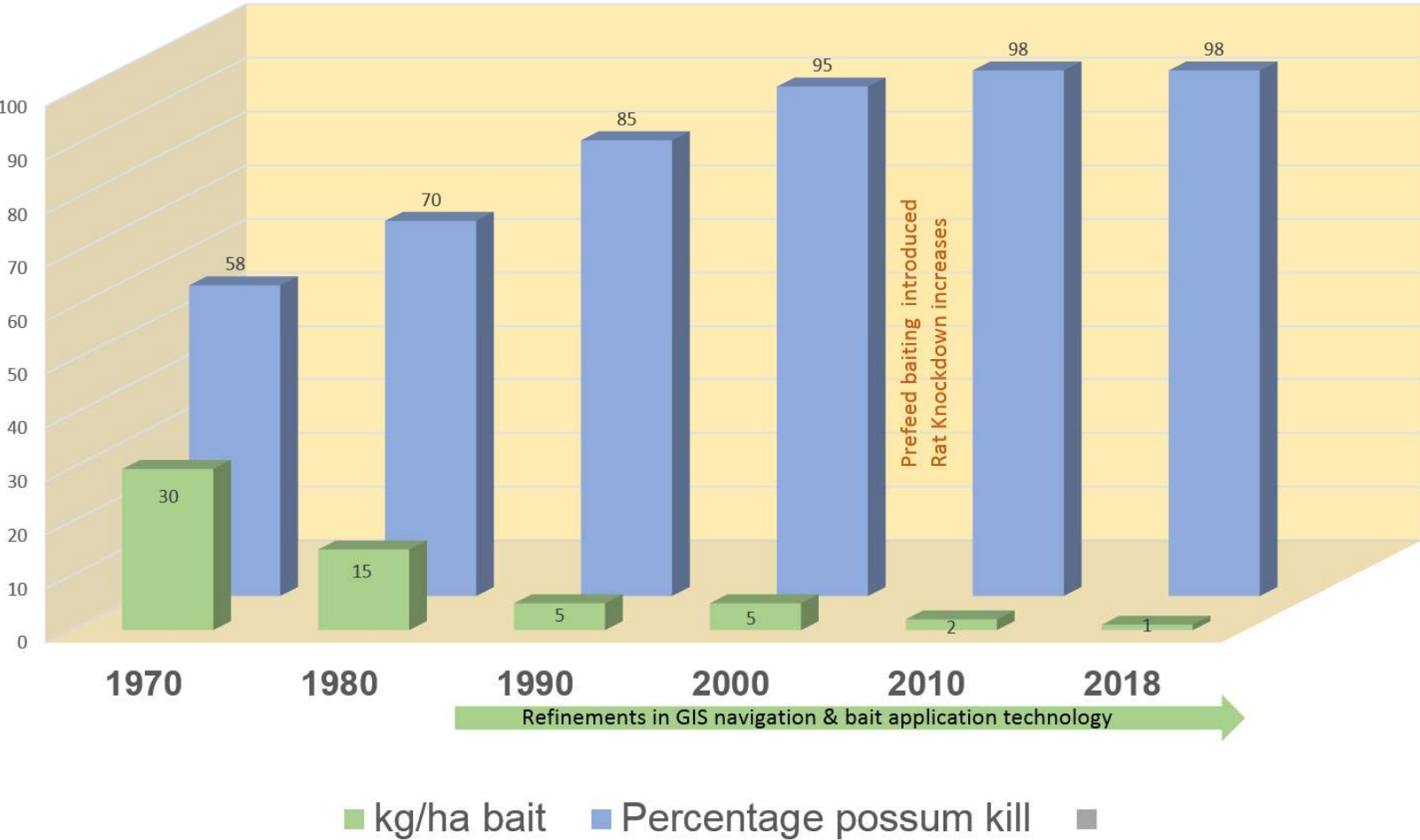


# Expected Outcomes

*Reduced rodent &  
mustelid numbers  
allows native species  
to thrive.*



# Continual Improvements Reduced sowing rates & increased efficiencies



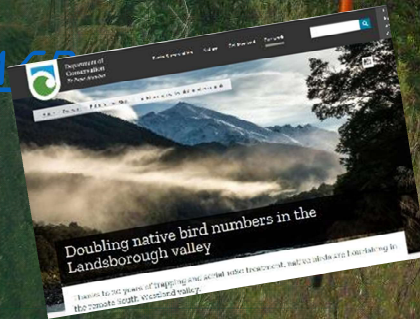
# Monitoring.

*Long term studies in areas under predator control help to refine control methods.*

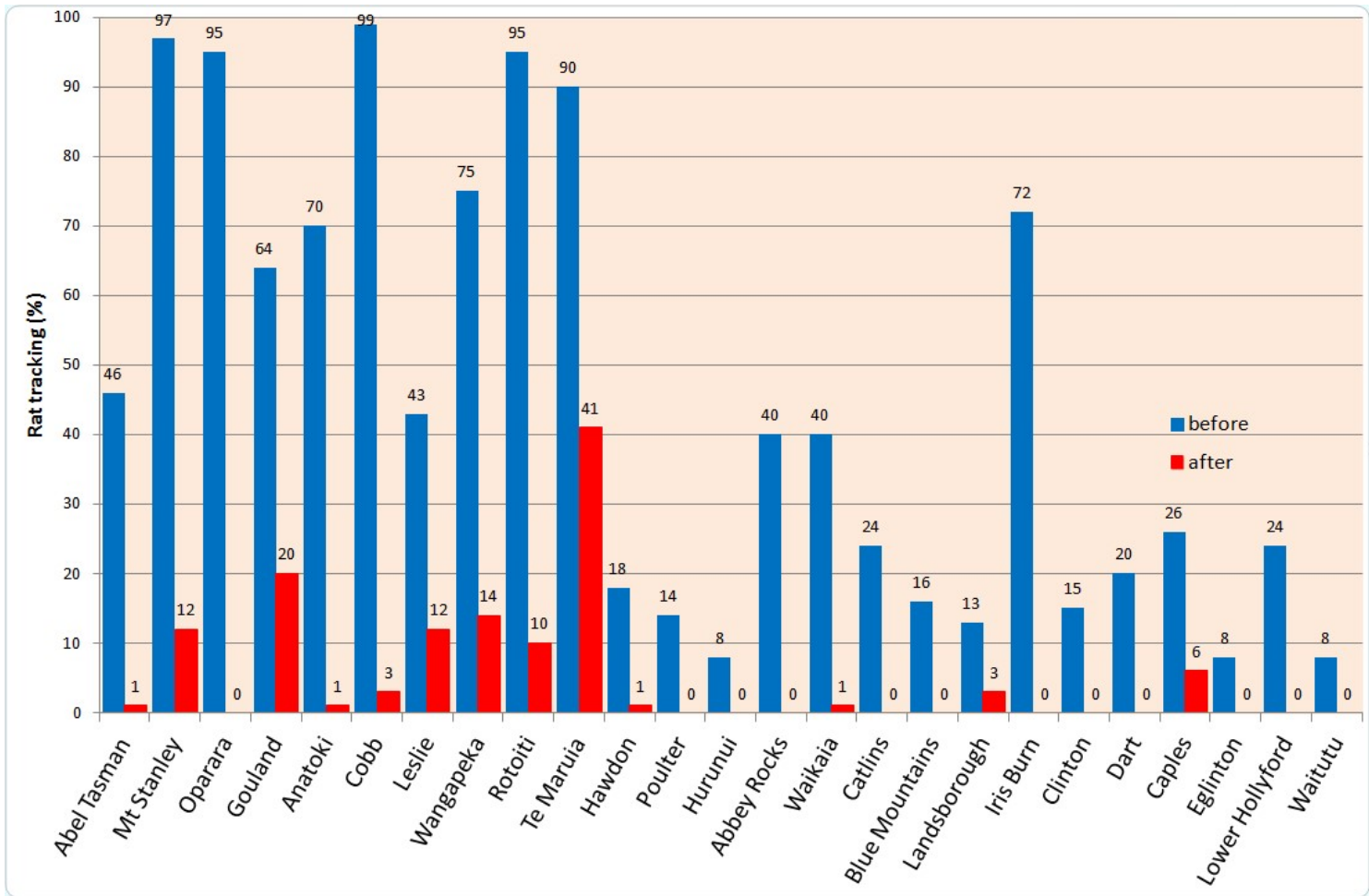
*e.g.*

<https://youtu.be/YrAU1fA7qY>

*Landsborough success*



# Rat Population Indices Before & After aerial 1080



# People's valid concerns Values & Science

- 1. Environment** Wildlife/Water/soil/plants/pathways
- 2. Hunting** Affect my ability to hunt? Deer? Pigs?
- 3. Animal Rights** Pests deserve to live
- 4. Animal Welfare** How are you killing the pests?
- 5. By-kill** Native species at threat?

**Beliefs, Passion, emotion, facts.**

Social/economic Issues





# Project Safeguard

The most toxic environment is on social media.

OFFICIAL INFORMATION ACT REQUEST SENT TO EUGENIE SAGE BY LAWYER  
SUE GREY TODAY  
Dear Minister  
Like you I am appalled at the level of violence associated with the...  
See More

21

Like Comment Share

3 Comments 5 Shares

Must annoy the hell out of Eugenie Sage to be asked for proof of her wild allegations and also some real evidence of the claims that 1080 even works. If a method has been used and ramped up over 64 years surely the supposed problem would have been re...  
See More

4

Like Reply 5d

Yes come on let us have the truthful answers because everybody sure is sick and tired of the propagated lies on top of lies. Governments voted in in good faith and those working for them in a real democracy should willingly tell the truth to those they are supposed to care for and represent. Stop lying about it to the public and ban cruel indiscriminate poison.

5

Like Reply 5d

Eugenie Sage was never voted in. She got there by default through the list situation. Now we have a nutcase with an agenda to eliminate every introduced species from our country in charge of the huge bin of poison. She has no mandate to do this f...  
See More

5

Like Reply 5d

19h

There are better ways ! What's your real agenda DoC ?

15h

No one likes stoats but dislike you department of criminals more

21h

1080 IS ONE OF THE WORST POISONS IT HAS NO ANTIDOTE. YOU ARE KILLING ANY PROTECTED SPECIES YOU ARE KILLING EVERYTHING WITH THIS INDISCRIMINATE SPOONFUL CAN KILL THREE ADULT DROPPED TONS WHICH IS ENOUGH TO KILL MILLION ADULTS. WHERE IS YOUR MERCY ALL DESERVE TO BE IN JAIL IT IS FITTING FOR INNOCENT ANIMALS TO DEATH AND POISON TO THE WATER #BAN1080

2y

You lie to make it seem like you have an argument.

2y

Or at least your bosses do. The rest of you swallow their lies, open-mouthed.

1

2y

it's so safe and biodegradable its banned in the rest of the world

2y

You're talking about yourself

2y

My bosses are CCS Disability! We look after people with disabilities!

2y

We're did you find it's banned in the rest of the world

2y

Edited

Google it

2y

You two are a real tag team aren't you

2y



# ZIP

ZERO  
INVASIVE  
PREDATORS  
*Enabling a new future*

Completely remove possums, rats & stoats from large mainland areas. Prevent these predators re-establishing



**ZERO**



**ZERO**



**ZERO**

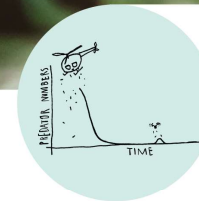
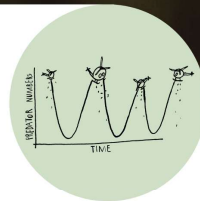
# Zero Invasive Predators (ZIP)

**From this...**

**...to this**

**Repeated, large-scale operations, every 3-5 years**

Surviving possums (and rats) re-establish populations over time



**One large-scale operation**

Then, remove possums (and rats) that remain or re-invade before they establish populations

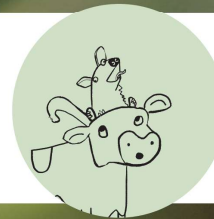


**Invasion** from surrounding areas is unchecked



**Protection** of the area minimises re-invasion

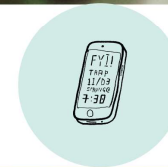
Farmers lose **millions of dollars every year** due to diseases spread by predators, including bovine tuberculosis (TB), leptospirosis, salmonella and giardia.



**Elimination** of, or at least a **significant reduction** in, the impacts of these diseases



**Regular, labour intensive** monitoring



**Remote** detection devices provide real-time notification of incursions, enabling timely response

**Native biodiversity** under pressure from predators

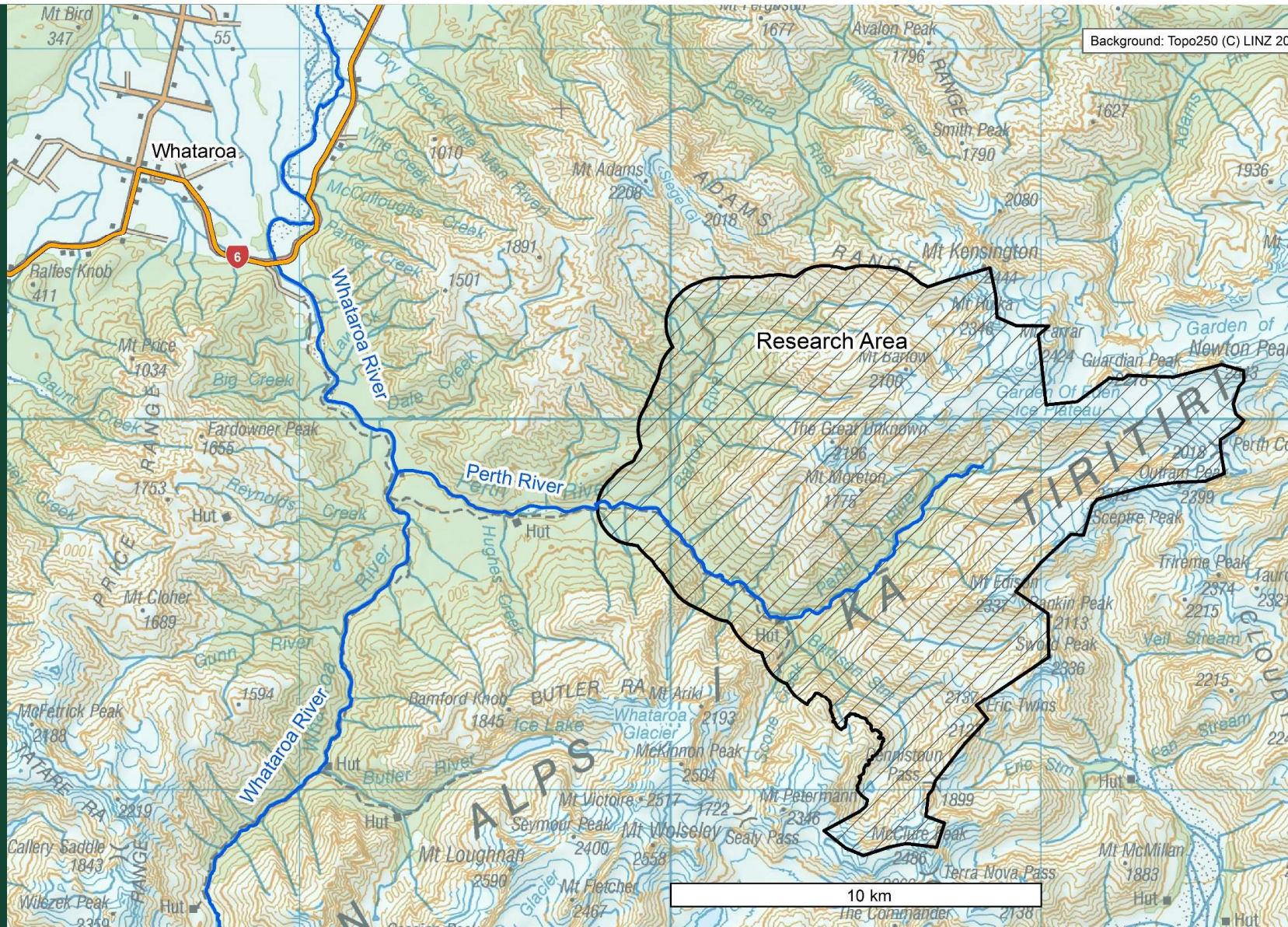


**Native biodiversity flourishes** in a predator-free environment, over progressively larger landscapes



# Perth Valley Project Area

- 4,000 ha Rātā/ Kāmahi & subalpine forest
- 12,000 ha in total
- Defend 25 km of river boundary





25.90 inHg -

🌡️ -8°C



07/03/2018

05:19PM

K350R

# Trapping and/or aerial 1080

Landscape scale operations

Aerial 1080 Costs = \$33/hectare

The Triple Hit - Possums/rats/stoats

## Ground based

best practice costs could exceed \$1000/ha

- Stoats
  - 1 trap /10Ha
- Rats
  - 1 Trap/Ha
- Possums
  - 1 Trap/Ha

## Tracks/bait/clear & set/repeat

- Self resetting traps
- DOC 200



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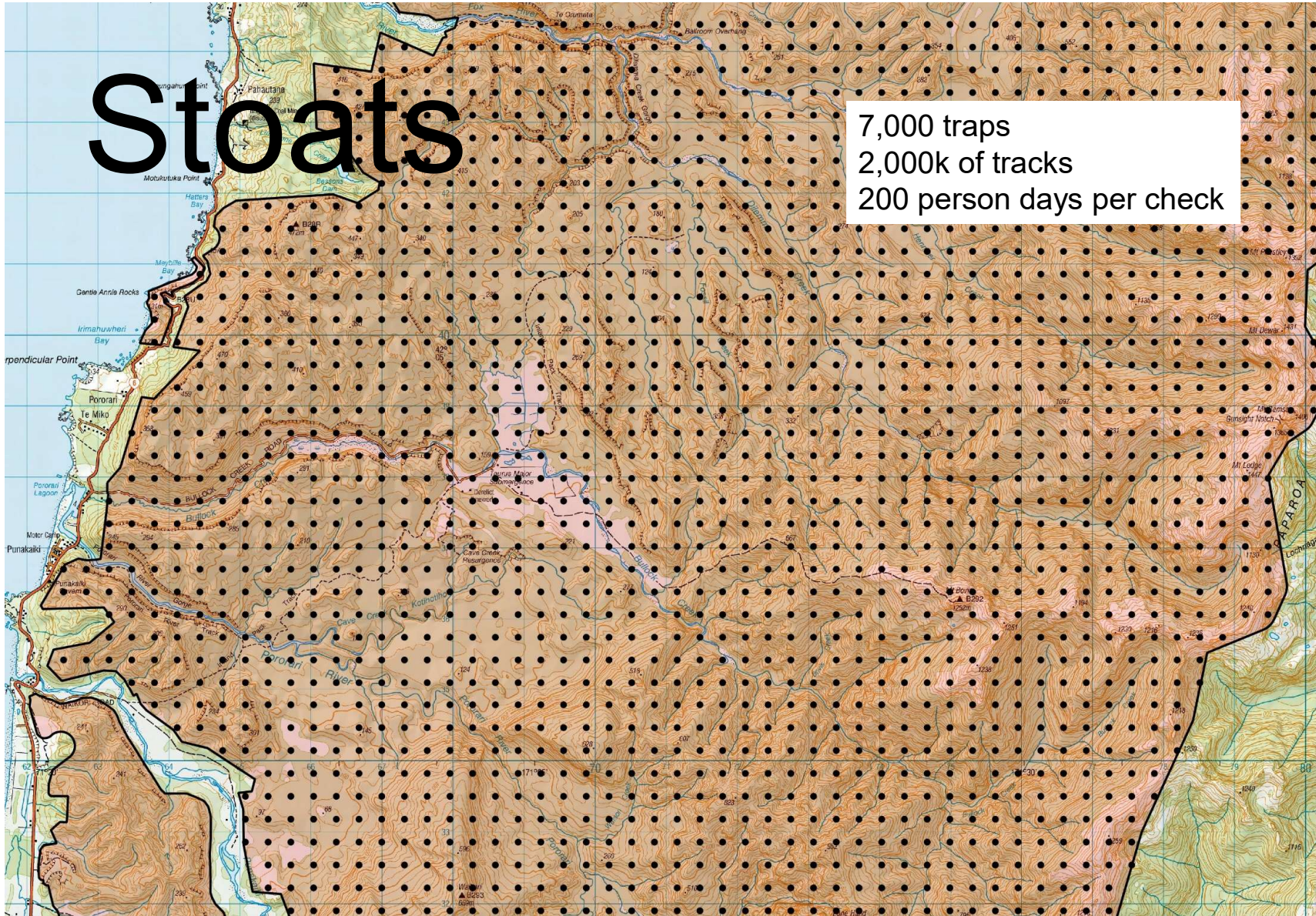
# PUNAKAIKI

70,000ha



# Stoats

7,000 traps  
2,000k of tracks  
200 person days per check







# Questions

