



Meeting: Tauranga Moana Advisory Group

Meeting Date: 17 May 2024

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Maritime New Zealand

Michael-Paul Abbott – General Manager, General Regulatory Operations

Blair Simmons – Manager, General Regulatory Operations

Tauranga Moana Advisory Group

17 May 2023



Maritime New Zealand

Preventing harm. Saving lives. Securing our future.



- Maritime NZ is the NZ national **regulatory**, **compliance** and **response** agency for the safety, security and environmental protection of coastal and inland waterways
- Shift in how regulators are choosing to perform their duties
- Making choices to listen and learn from industry and work them to achieve positive outcomes
- Crafting regulatory practice that is fit for purpose



Trusted | Whakapono



Intentional | Takune



Influential | Whakamana



Adaptive | Urutau



National Maritime Response Team

This team works to minimise the impact of pollution on New Zealand's marine environment by:

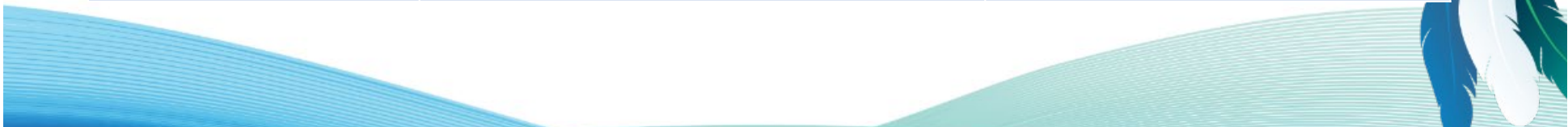
- responding to national and assisting with regional marine-based spills
- training others (e.g. regional council and industry representatives) in how to respond
- running exercises to ensure people maintain their skills and are practised in using the equipment
- keeping equipment on-hand around the country for use during marine spills
- maintaining a National Oil Spill Contingency Plan to describe how we'll run a Tier 3 (national) oil spill response
- working with regional councils to make sure they have regional response plans, which identify sensitive sites and likely response options for their territorial regions
- providing assistance to (or receiving help from) other countries if required, for larger spill incidents





MNZ core response functions:

Function	Description	Example
Monitoring	Developing and maintaining situational awareness	Cyclone Lola – overview of vessel locations & likely impact
Oversight	Understanding actions / proposed actions and determining appropriateness of those actions	Austro Carina - Tier 2 oil spill, Banks Peninsula
Intervention and response lead	Intervention if actions / proposed actions are considered insufficient or inappropriate; and lack of willingness by involved parties to take appropriate actions	Shiling – main engine failure / mayday Achilles Bulker – rudder loss / near grounding



RCCNZ and Safety Services

Our AtoN assets include:

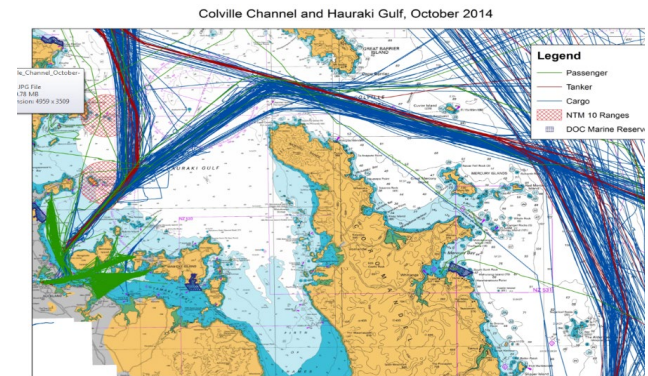
- 23 classic lighthouses
- 74 light beacons
- 40 day beacons
- 7 buoys
- 3 AIS marks

Our radio assets include:

- 30 coastal VHF sites around the NZ
- Coast and Chatham Island
- 2 HF sites located near Taupo
- SafetyNet terminal
- 24/7 Maritime Operations Centre

Our radio services include:

- 24/7 voice monitoring of all international distress channels & HFDSC
- delivery of maritime safety information on scheduled broadcasts
- logging trip reports
- providing communication services for MNZ & RCCNZ to the maritime domain.
- Safety Services are responsible for managing a Services Contract with Kordia for providing shore-based GMDSS services

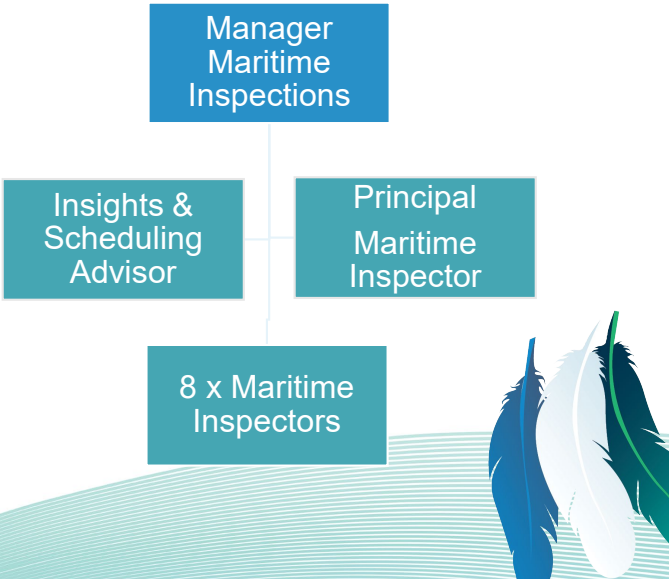




Maritime Inspections Team

- A dedicated standalone Maritime Inspections Team (the Team) was stood up in November 2022.
- The primary focus of this team is to protect New Zealand waters by ensuring that large foreign and NZ ships meet all domestic and international safety, security, environmental protection and maritime labour standards

Prior to November 2022	After November 2022
<ul style="list-style-type: none">• Maritime Inspections Team did not exist. Maritime Officers could choose to specialise as Port State Control Officers (PSCO).• The upside being a fulsome knowledge of the whole sector	<ul style="list-style-type: none">• A dedicated team of specialised technical experts with a focus on raising the standard of ship quality for both domestic and international shipping.• This new approach has paid significant dividends.



Maritime Inspections Team activities



- Port State Control (PSC) Inspections on different types of vessels - bulk, cargo, container, tanker, cruise (not all vessels are created equal, so training across all types is required)
- Flag State Inspections
- International Safety Management (ISM) Audits - DOC, SMC
- Recognised Organisation Audits
- Offshore Audits
- Event triage and investigations support (e.g. **Achilles Bulker**, **Shiling**, **Kaitaki** etc.)
- Taharoa Harbour Master



Port and Harbour Marine Safety Code

- The **New Zealand Port and Harbour Marine Safety Code** was established in 2004 by Maritime NZ
- A voluntary Code adopted by Maritime NZ, regional councils, and port operators
- Objective to ensure the safe management of ships navigating in New Zealand ports and harbours, including the prevention of injury to people, loss of life and damage to the marine environment (including property)
- Code objective achieved through joint responsibility and working collaboratively across all parties, at both regional and national level
- To reinforce the commitment of the partners a tripartite Memorandum of Understanding was signed in 2016 that also set up a new governance structure supported by a dedicated Secretariat
- The Memorandum of Understanding was re-signed in 2019.



QUESTIONS?



Thank you for your time

Ehara taku Toa I te toa takitahi
Ko taku toa he toa takitini

*My success is not mine alone,
it is that of the collective*

Nō te rere moana Aotearoa
MARITIME
NEW ZEALAND

Tauranga Moana Geothermal System



Tauranga Moana Advisory Group Meeting
17 May 2024



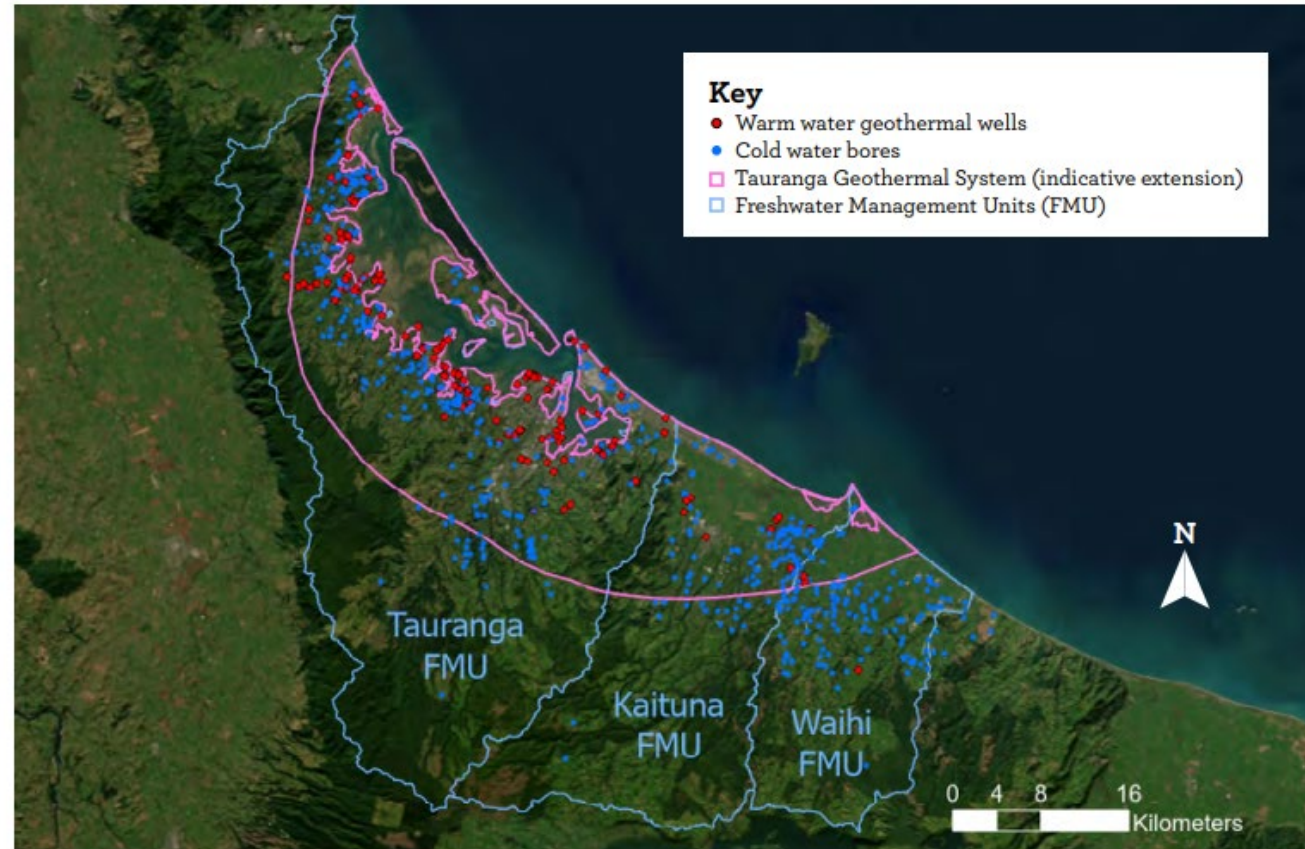


Purpose

- The Tauranga Moana Geothermal System
- Geothermal System Management Plan
- Regional Plan Change 11-Geothermal
- Work done to date
- Engagement process
- Feedback



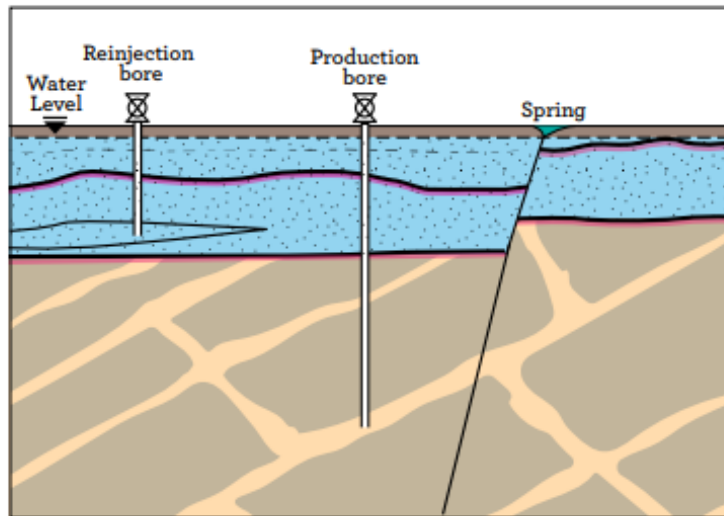
Tauranga Geothermal System





Types of low temperature use

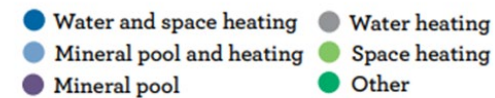
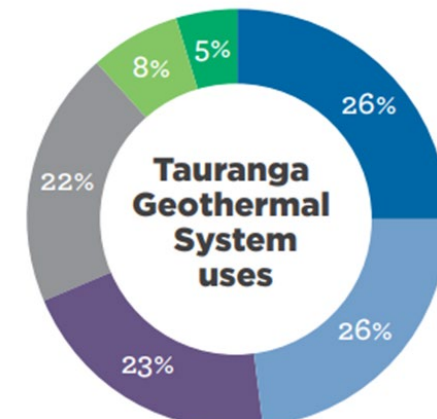
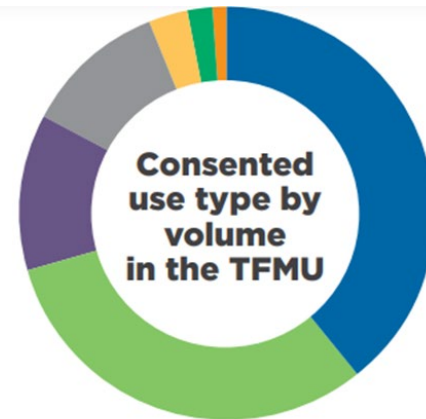
- Open loop systems (take and discharge)
- Closed loop system (heat take only)
- Ground source heat pumps

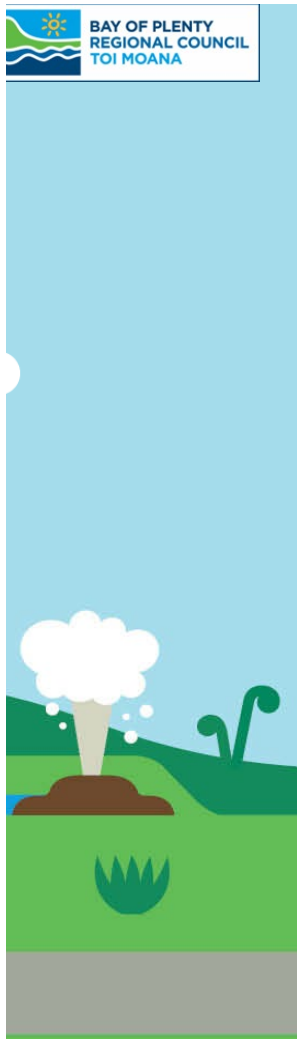




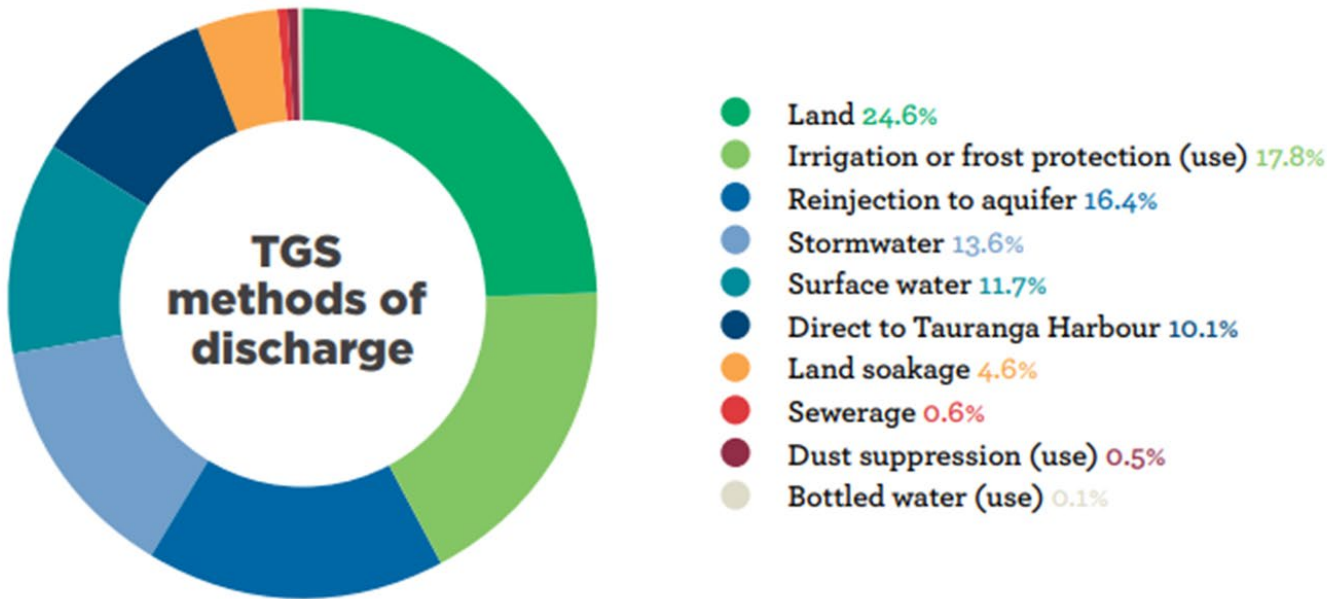
Some Quick Facts

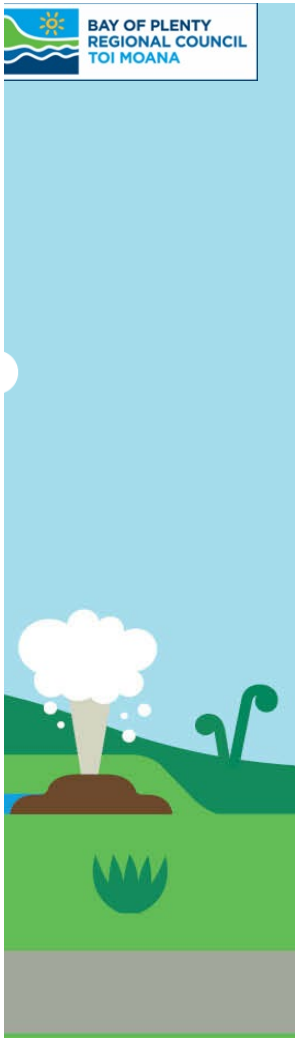
- Low temp (30-70 oC), heat concentrated near city centre
- Few surface features, warm influence
- Approx 130 consented takes, 24% non-heat use



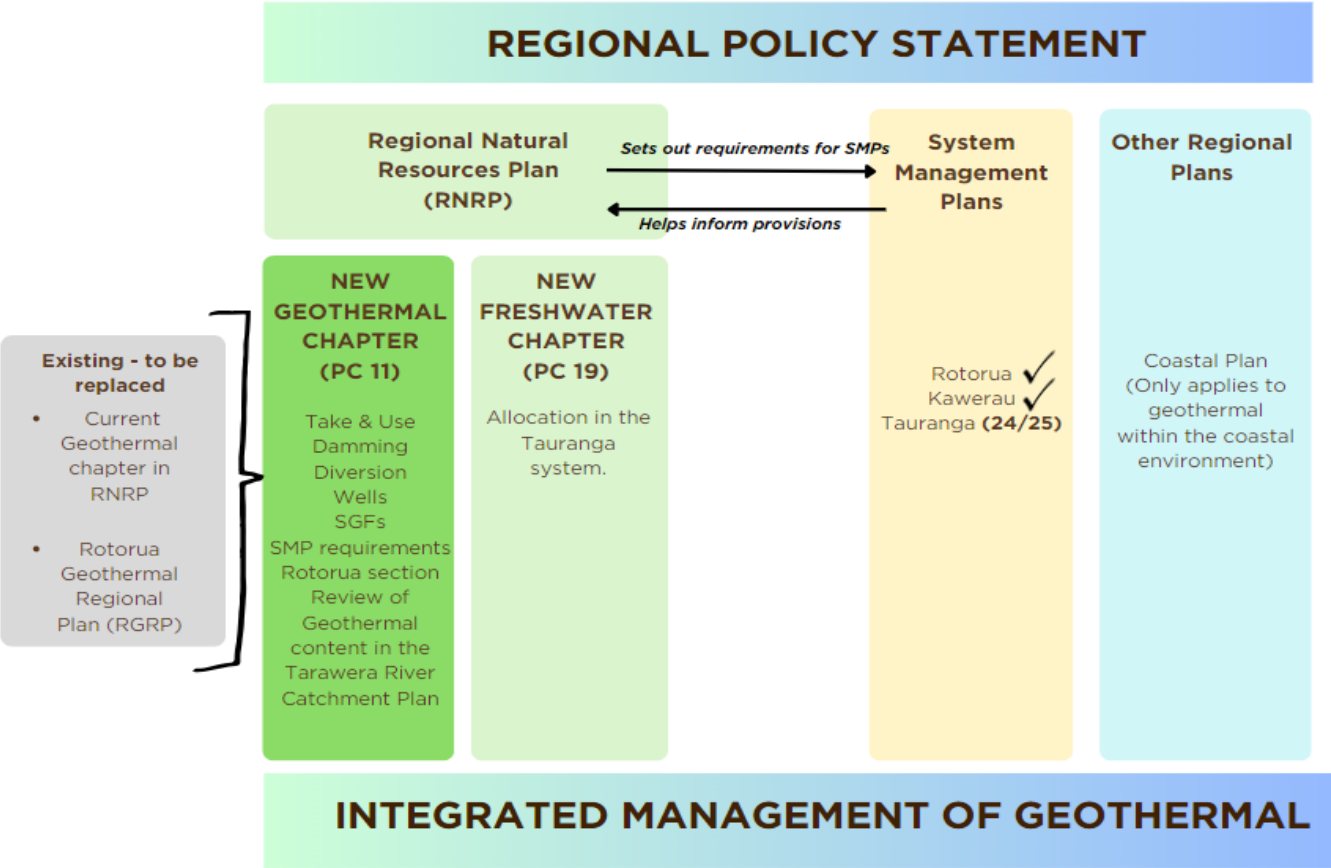


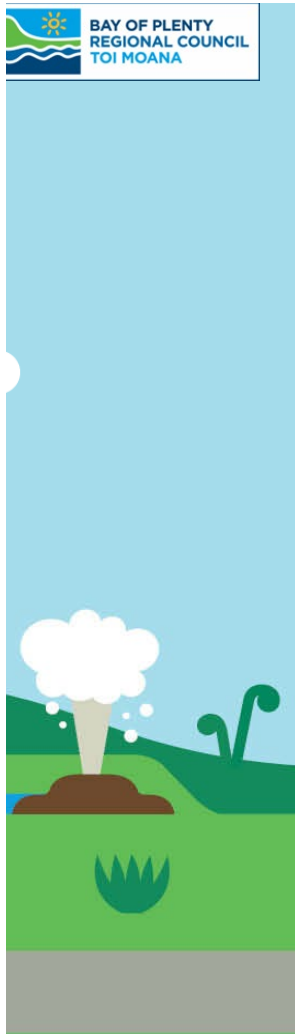
Geothermal Discharges





Policy Framework

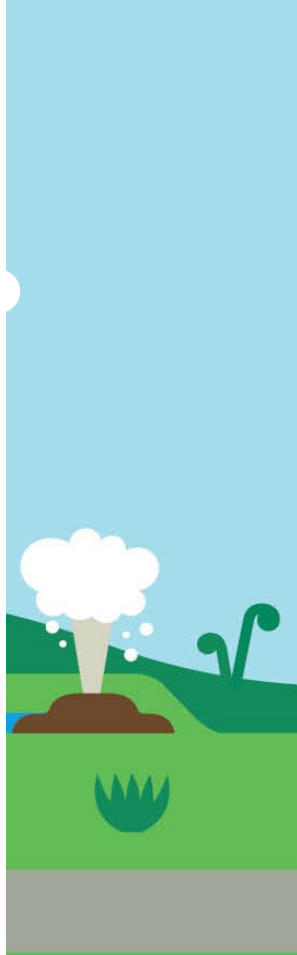




Building Understanding

- The Economic Impacts and Benefits and Costs of Geothermal Resources in the Bay of Plenty Region (2022)
- Bay of Plenty Geothermal Systems: The Science Story
- Tauranga Geothermal System: Science Summary Report
- Geothermal Plan Review: Review of Iwi and Hapū Management Plans
- Assessing Geo-heat potential of Tauranga (in development)
- Tauranga Geothermal System Reservoir Modelling reports
- Monitoring information (e.g. monitoring wells)





Issues Raised by Tangata Whenua

- The loss of geothermal taonga
- Risk of further degradation of the geothermal taonga
- Effects of discharges of used geothermal water
- The need for protection of the mauri of geothermal taonga
- Active involvement of iwi and hapū in management
- Management of effects of geothermal discharges
- Integrated management of groundwater - freshwater and geothermal



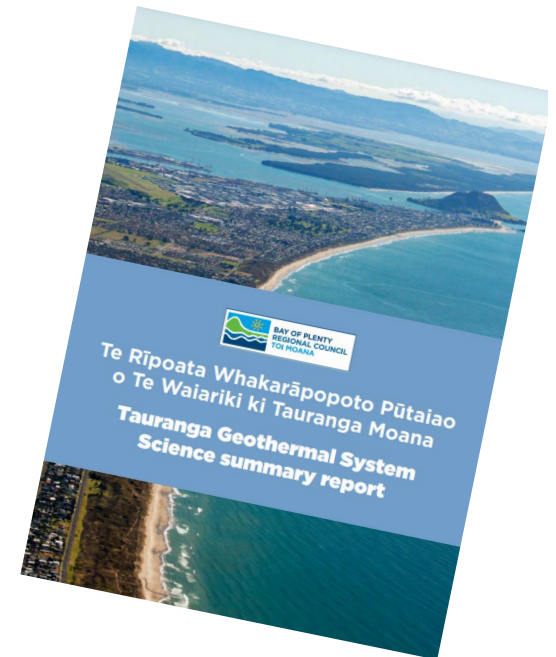
Issues for Local Councils

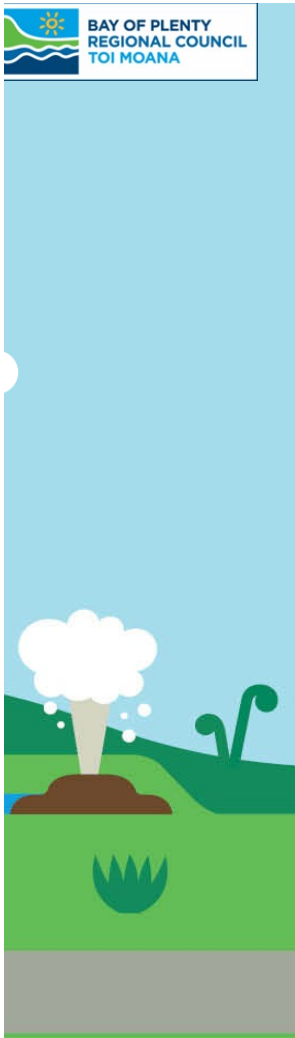
- Geothermal use in municipal facilities in Tauranga and WBOPDC (e.g. swimming pools)
- Future opportunities for use in public facilities?
- Economic growth (e.g. (e.g. Ōmokoroa, Sapphire Springs, Fernland Spa, greenhouses?)
- Future urban growth are? (e.g. renewable energy)



Summary

- Understanding the value of geothermal heat for existing and future uses
- Effects of groundwater takes and discharges (e.g. local cooling)
- Effects of discharges
- Protection of high value geothermal (e.g. Maketū)
- Efficient use of heat
- Integrated management
- Informing/enabling sustainable use





Next steps

Key Phase	When	Purpose
Engagement <ul style="list-style-type: none">Tangata whenuaKey stakeholders	Now	<ul style="list-style-type: none">Update and informIdentify engagement pathway
Targeted pre-draft engagement	May/June 2024	<ul style="list-style-type: none">Identify Issues and options, gaps
Release Draft SMP and Plan Change	August-Sept 2024	<ul style="list-style-type: none">Community input to draft provisions
Re-Drafting	October-December 2024	<ul style="list-style-type: none">Refine following input
BOPRC approval of SMP	Early 2025	<ul style="list-style-type: none">Adopt SMP as Council policy
Notification Proposed Plan Change	Early 2025	<ul style="list-style-type: none">Formal submissions process



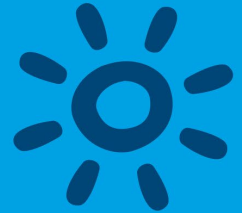
Feedback





BOPRC & Exotic *Caulerpa*

Hamish Lass – Biosecurity Team Leader





BOPRC Actions

Review of the RPMP to include exotic *Caulerpa*- Exclusion

Employed a summer advocate:

- Increase awareness in the BOP
- Provide information about exotic *Caulerpa* to target audience

On going dive surveillance in our region:

- Targeting areas of high boat traffic
- Mooring sites/ Safe anchorages
- Offshore Islands- Tūhua, Motiti
- eDNA samples at various sites

Assisted other Councils with their responses:

- Delimiting infestations
- Observing ecosystem change
- Chlorine and towed net control trials on small patches



Our Mission

- To increase the public awareness and understanding of exotic *Caulerpa*
- To prevent exotic *Caulerpa* from establishing in the BOP
- Raise awareness so public are able to positively identify exotic *Caulerpa*
- Promote ‘best practice’ behaviours so individuals take positive action to prevent the spread of *Caulerpa*
- Gain baseline data of marine biosecurity awareness in the BOP



Marine Biosecurity awareness Target Audience

- Iwi / Hapu
 - General public/ Community
 - Fishing clubs
 - Yacht/Boat clubs
 - Dive clubs & Dive shops
 - Boat owners
 - Marina berth owners/occupiers
 - Polytechnics & Universities
- (+ supported TMBC's Partners forum on *Caulerpa*)



Methods

BOPRC employed a summer intern to communicate the message to our audience

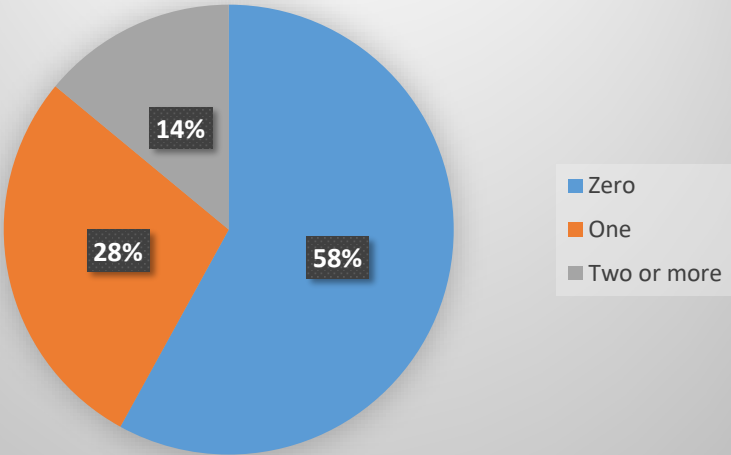
- Boat ramp visits
- Surveys & Conversation
- Marina visits
- Events
- Social media/communications
- Presentations

Marine Biosecurity advocacy 2023-2024 summer

211 Surveys completed

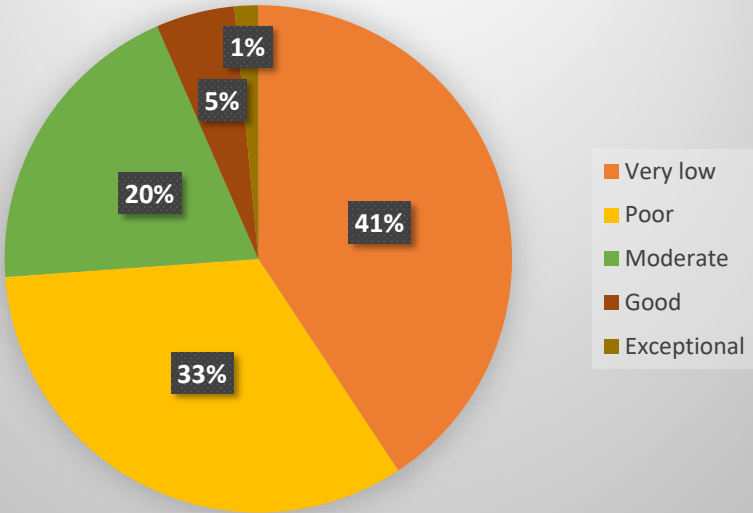
1068 Survey interactions

Number of Marine Pests in New Zealand that Respondents can Name



- 58% of respondents can not name any marine pests

Marine Biosecurity Knowledge Level of Respondents



- 74% of respondents have a poor or very low knowledge of marine biosecurity



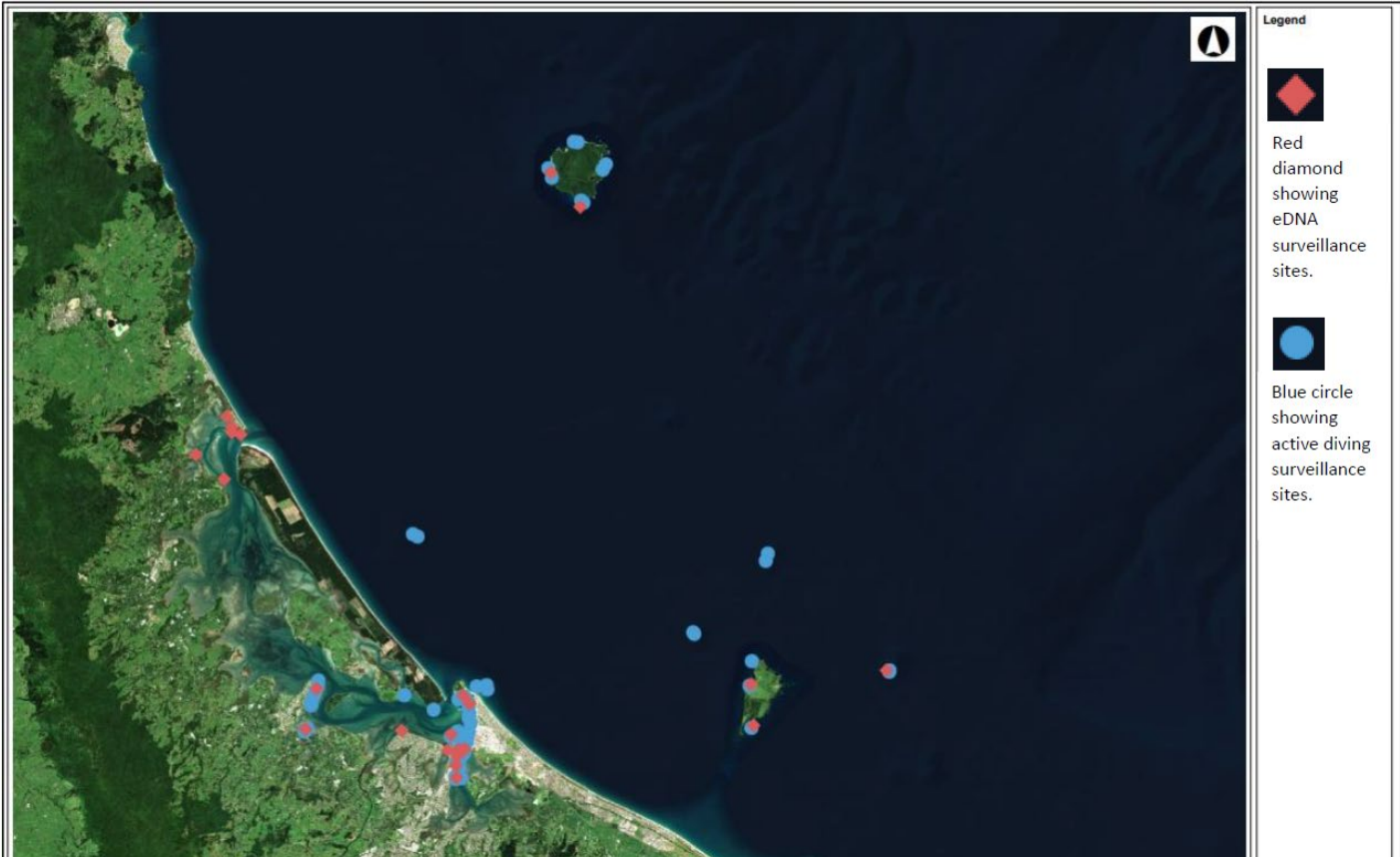


Surveillance / research

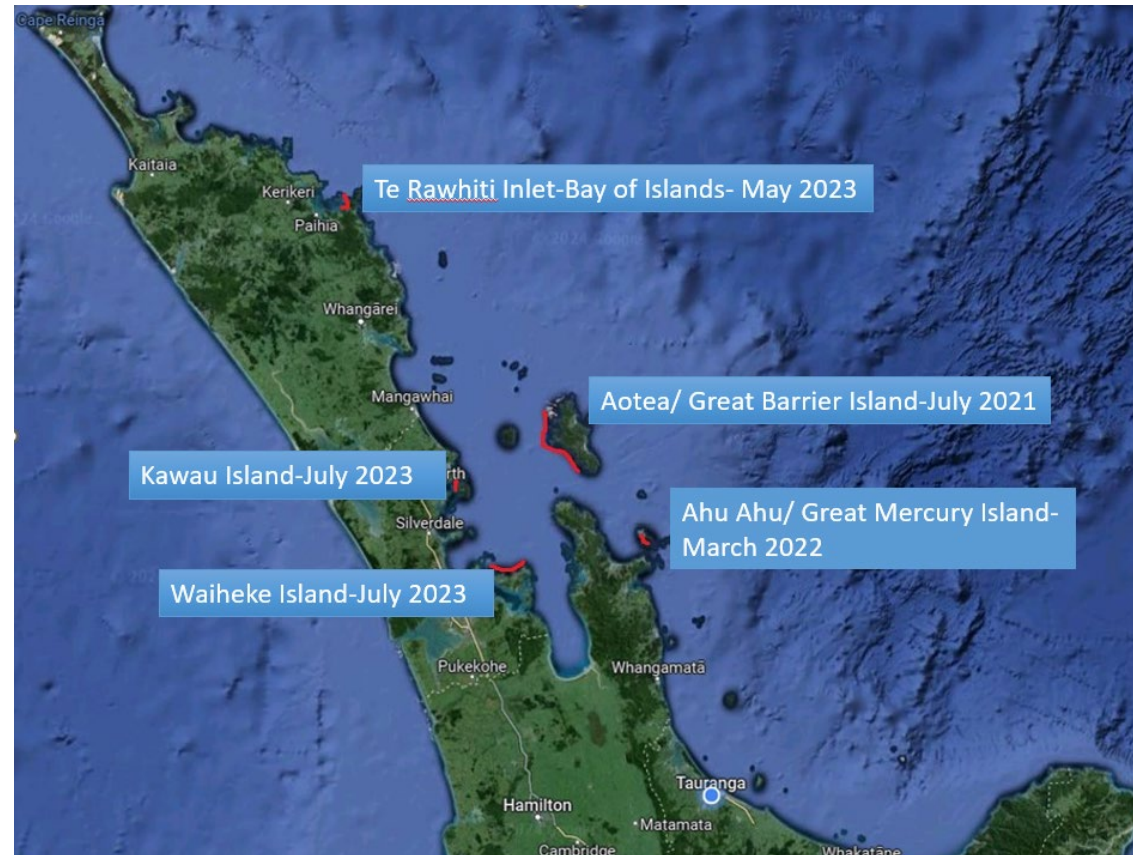
- Active surveillance
- eDNA sampling
- Work in other regions
- Working with UOW - risk mapping



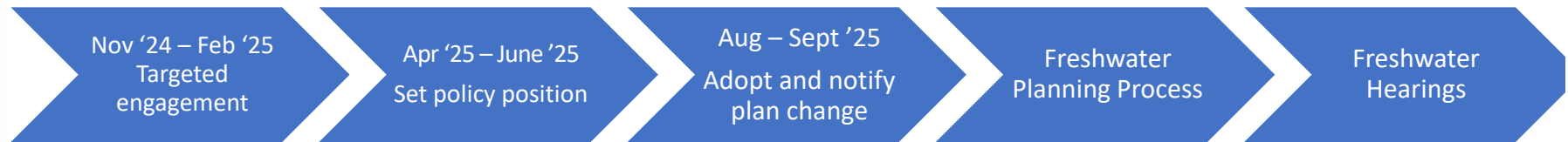
BOPRC Caulerpa surveillance



Caulerpa locations



Essential Freshwater Prog. Timeline



- May-September 2024 - Strategy and Policy Committee considering 4 key priority areas.
- September 2024 - Opportunity to have an informal workshop with TMAG.
- October 2024 - Council meeting to approve targeted release for RNRP PC 19 and RPS Change 7.
- November/ December 2024 draft released for feedback.