

Investigating the role of iwi management plans in natural hazard management



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National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa –
Ngā Ākina o
Te Ao Tūroa



Mātauranga
Māori

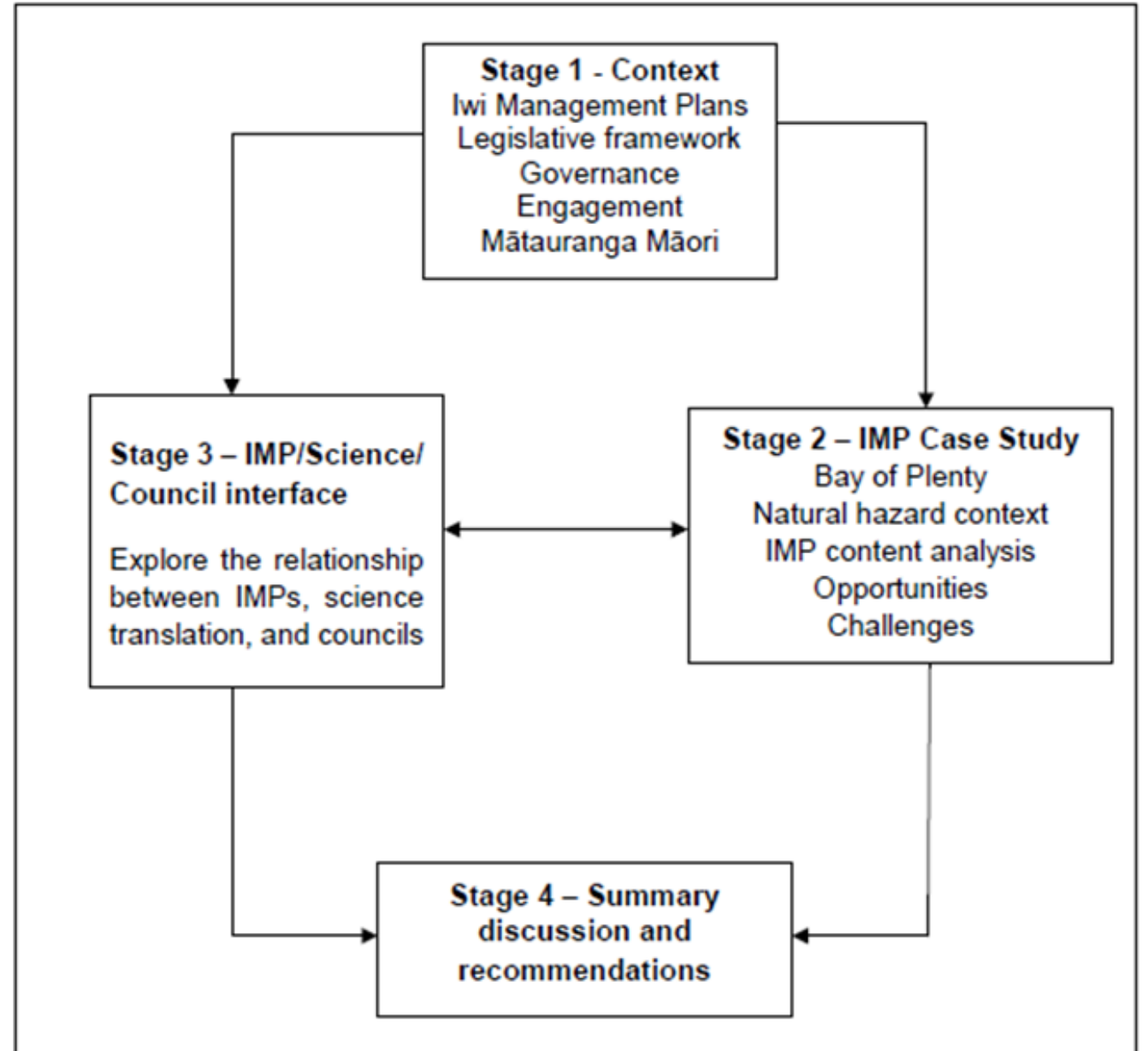


Governance



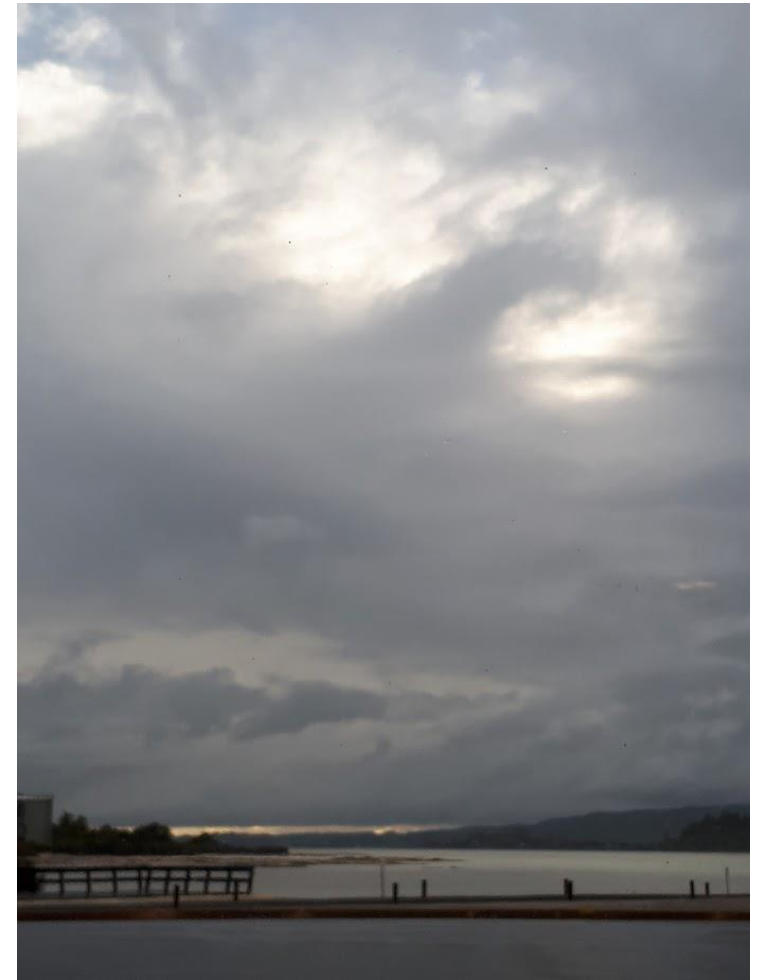
Structure of research

What is the role of iwi management plans in natural hazard management?

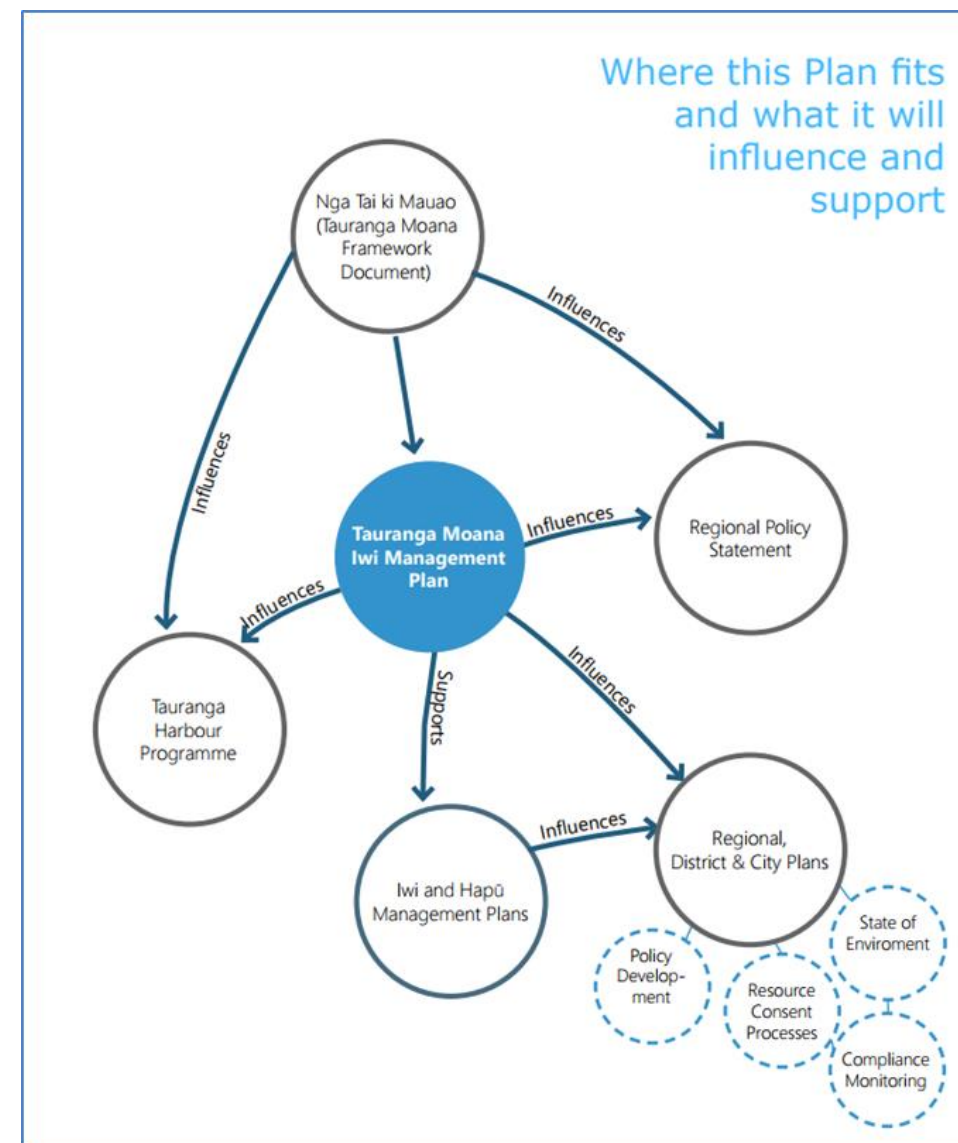
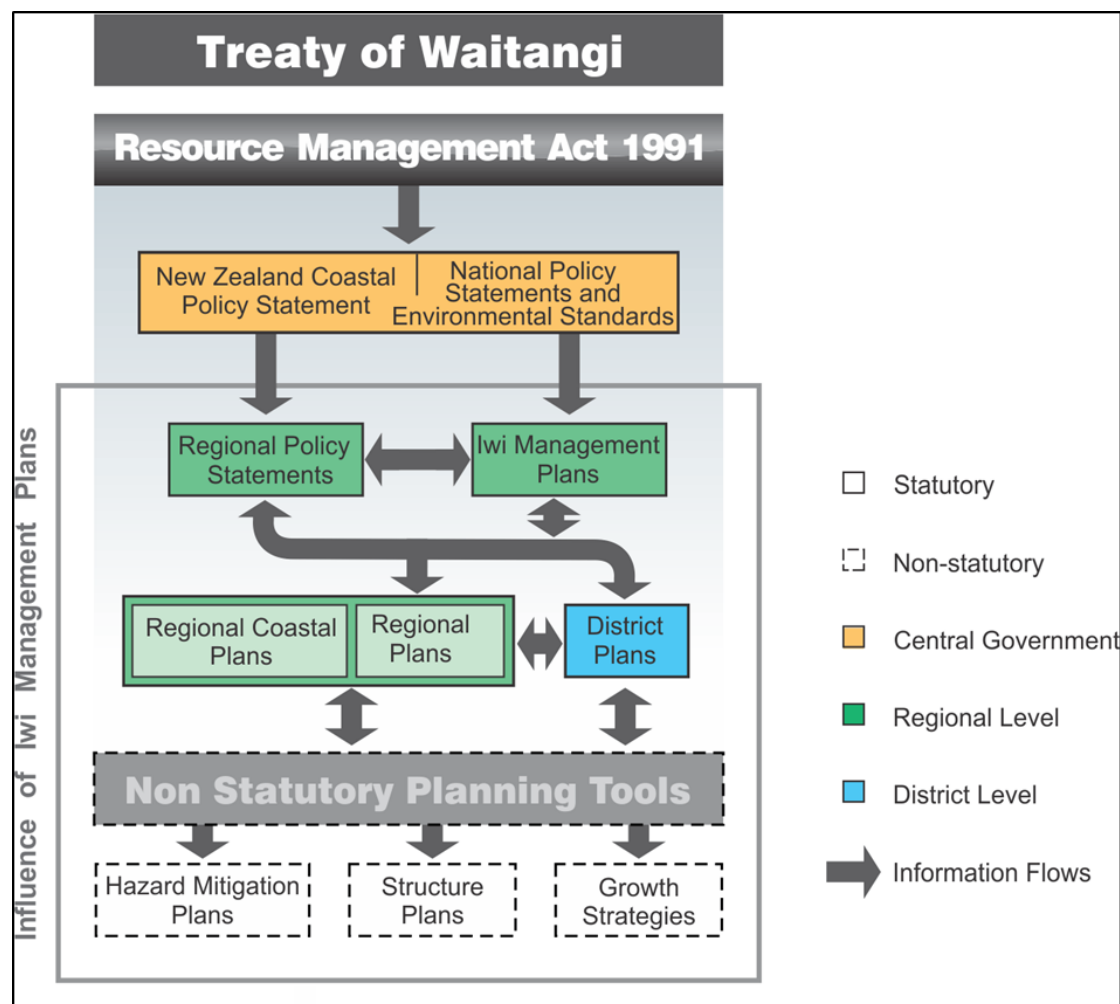


Why are IHMPs important?

- **Legislative documents**
- **Provide the cultural context**
- **Outline priorities for iwi**
- **How to engage with iwi**
- **IHMPs provide an opportunity to include information on**
 - natural hazards, management options, action points for reducing risks, engagement processes (to assist with the transfer of natural hazard science) and hazard risk reduction and adaptation measures



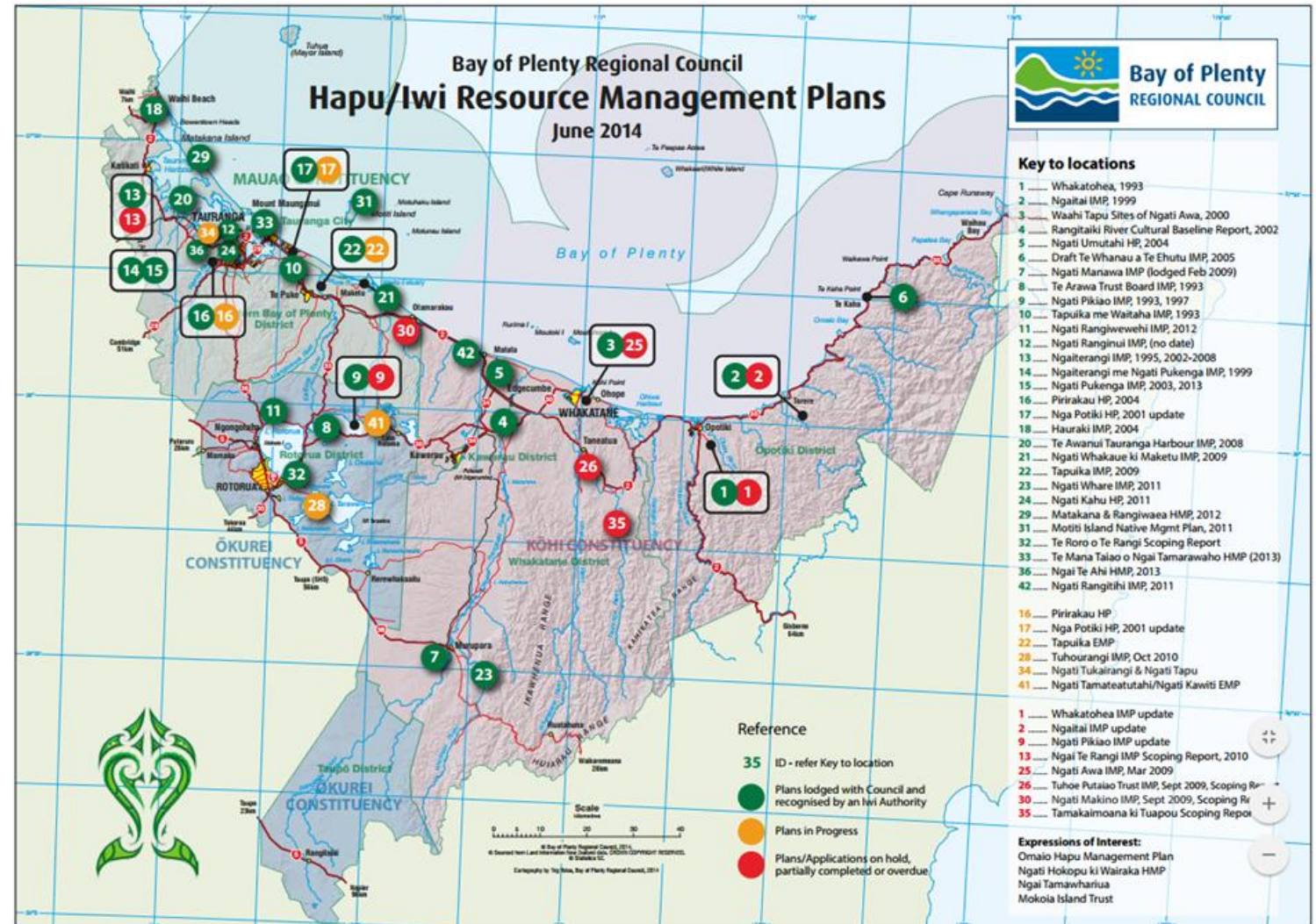
Stage 1 – Setting the scene



Saunders, W.S.A. 2017. Setting the scene: the role of iwi management plans in natural hazard management. GNS Science report 2017/30, 34 p.

Stage 2 – Case study of IHMPs

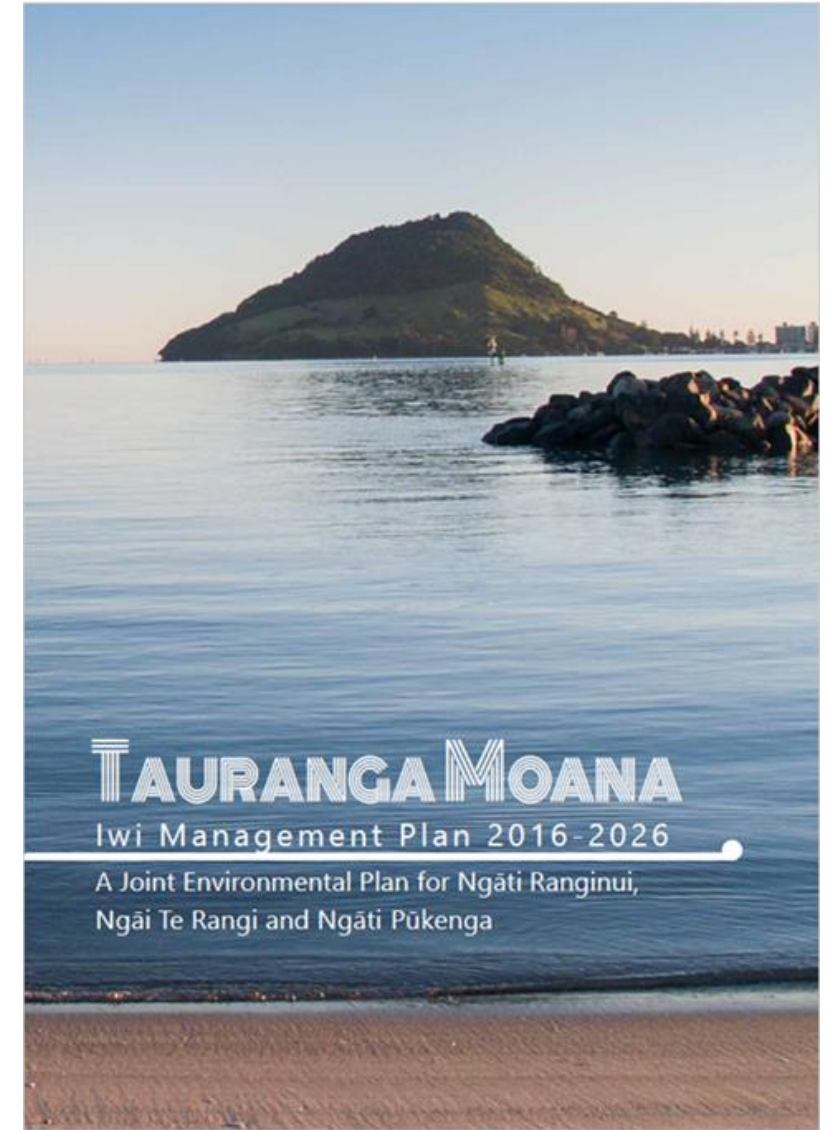
- How are IHMPs including natural hazards?
- How are Council plans recognising IHMPs?
- Bay of Plenty case study – 21 plans assessed



Key findings of Stage 2

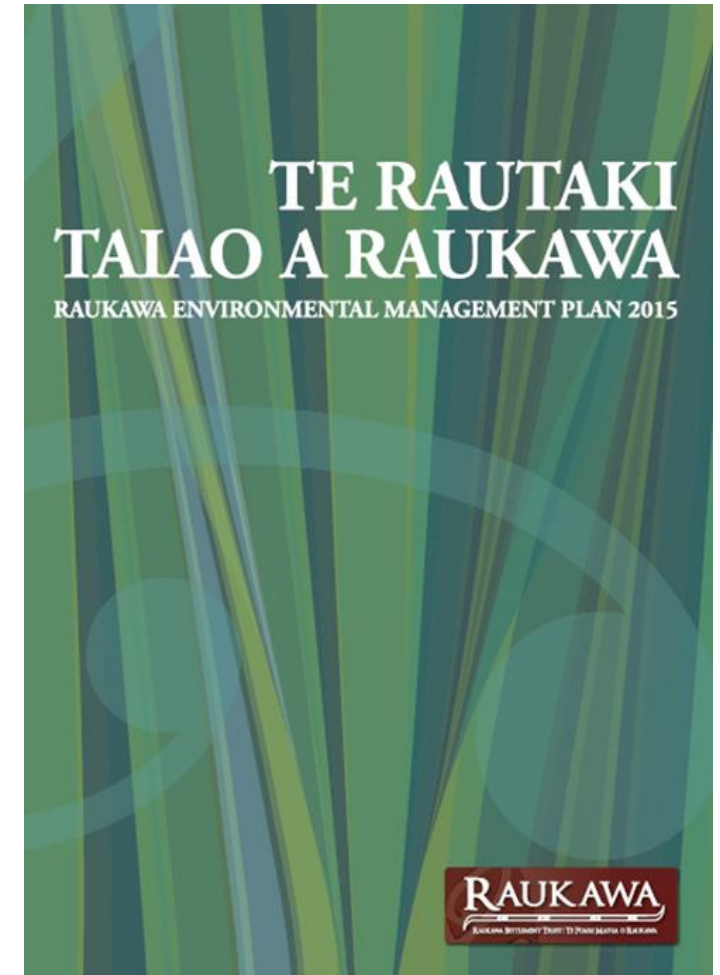
- **IHMPs are written for councils**
 - Issues, objectives, policies, methods
- **Some IHMPs include hazards, most don't**
 - Availability of hazard information?
 - Competing priorities?
 - Climate change ... SLR?

Saunders, W.S.A., 2018. Investigating the role of iwi management plans in natural hazards management : a case study from the Bay of Plenty region, GNS Science Report 2017/50. p. 51



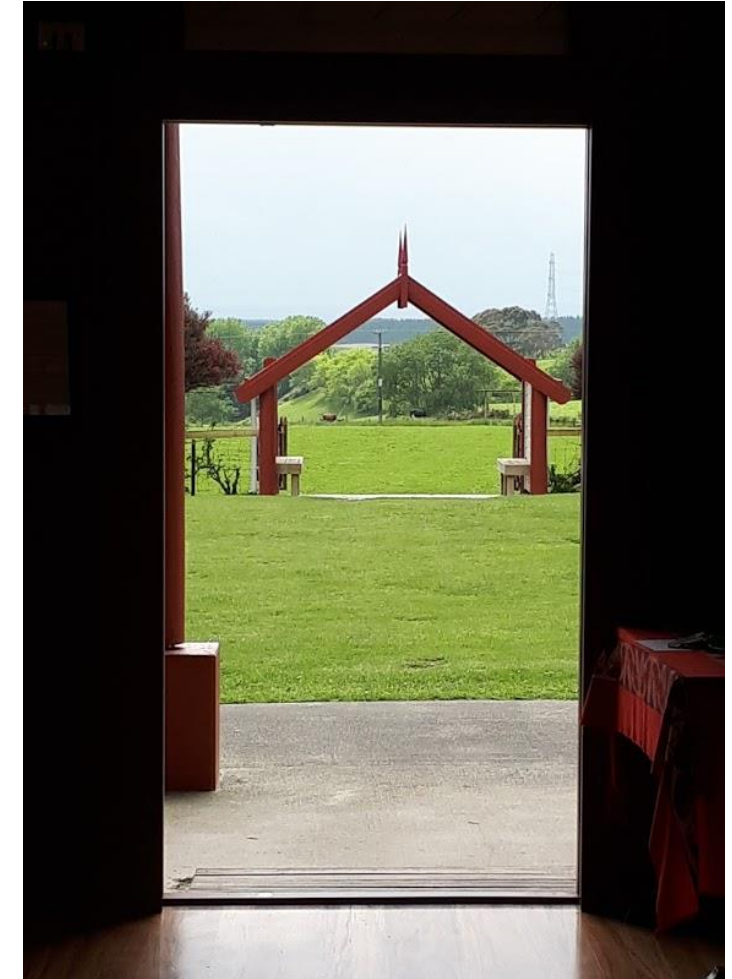
Cries for help

- Matakana ... *urgently need an effective warning system for the Islands*
- Raukawa ...
 - ... are not well informed about the challenges posed in the event of a natural disaster;*
 - ... do not have comprehensive response plans in place to be able to respond to natural disasters;*
 - ... are unsure of natural hazards planning by local authorities and government agencies;*
 - ... are unclear as to the role they play amongst the Waikato regional local government nexus in times of natural disasters*



Stage 3a and 3b- Verifying findings

- What is the relationship between iwi and hapū, and regional and district councils in the development and implementation of IHMPs?
- What is the relationship between IHMPs and council policies and actions?
- How accessible is hazard-specific scientific knowledge for iwi and hapū?
- What is the potential for IHMPs to inform science direction?
- How are science outputs aligned with IHMPs?



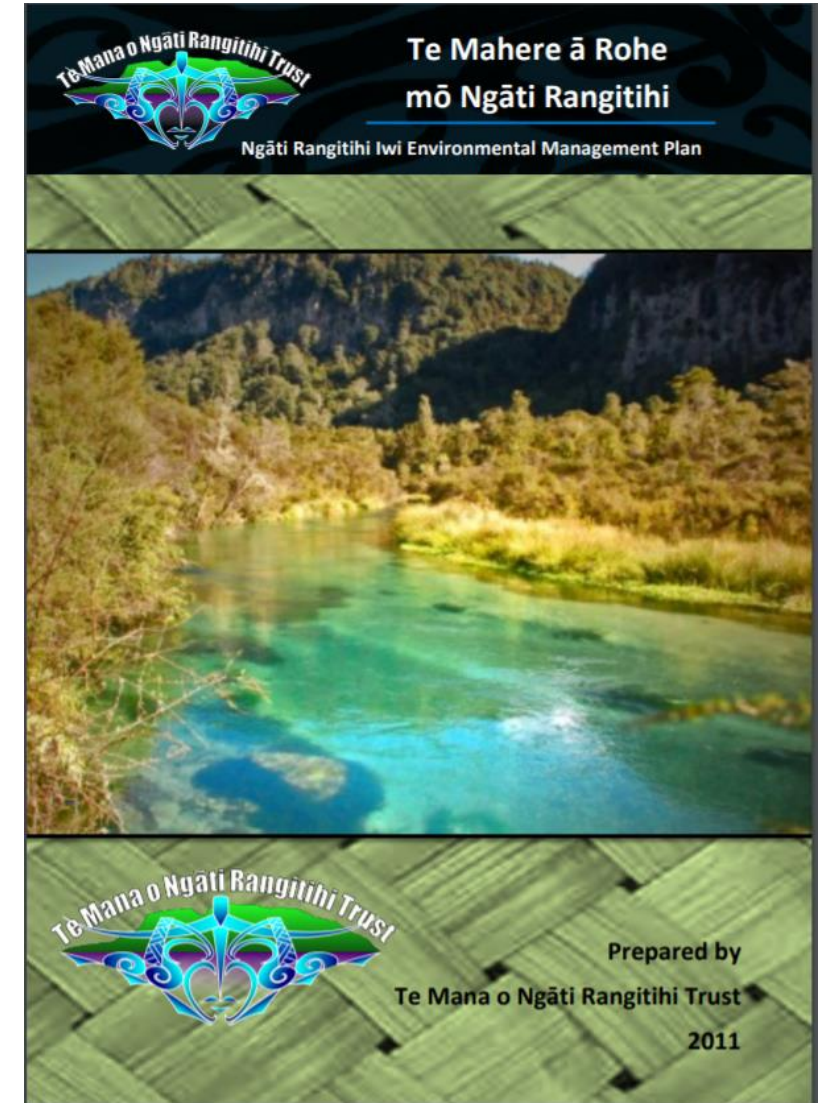
Stage 3 – implementation of IHMPs

- **Findings**

- Highly valued plans within iwi/ hapū – their ‘bible’
- Mixed awareness within Councils
- Huge potential to contribute to hazard management

- **Recommendations**

- For national agencies (MFE, MCDEM, NZPI, LGNZ)
- For councils



Saunders WSA, Kaiser LH. 2019. Verifying How Natural Hazards are Incorporated into Iwi and Hapū Management Plans and their Implementation. GNS Science report; 2019/03, p20

Value of IHMPs for researchers

- GNS Science survey
- Extended to all RNC researchers and beyond
- Desk top ‘first step’ in understanding context, engagement expectations
- Provides issues, priorities, challenges
 - How can your research assist iwi and hapū in addressing their issues?
- Great way to start your engagement

Saunders, WSA; Kaiser, LH; Taylor, L (2019). Threading the basket of knowledge: the role of iwi and hapū management plans in research design. In New Zealand Science Review ‘Mātauranga and Science in Practice Special Issue’.



Key messages

- IMPs can be a valuable hazard management tool across council
- Check out IMPs in your area
- If no hazard information, why?
- What needs do they have?
- IMPs are a great 'easy' first assessment of iwi priorities, needs, gaps, engagement
 - You can use these to inform your practice and research!



2012



Ngāti Rangiwewehi Iwi Environmental
Management Plan



TE MARU O NGATI
RANGWEWEHI
IWI AUTHORITY
30/12/2012

Contact us!

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