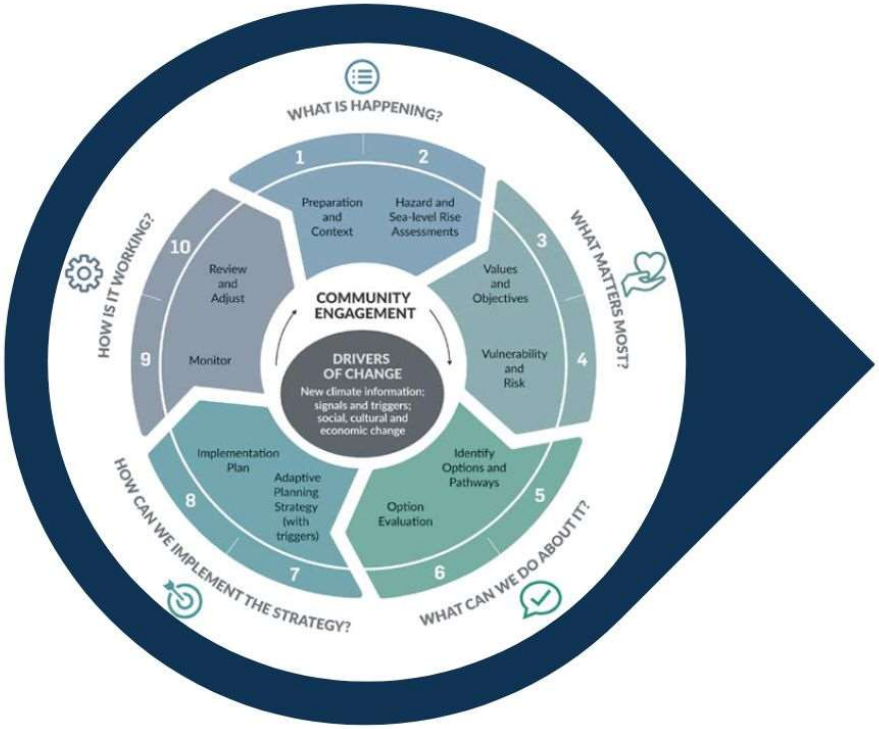

COASTAL
CONVERSATIONS
Motunau
22 May 2023

The project



Phase 1
- **WHAT IS HAPPENING?**

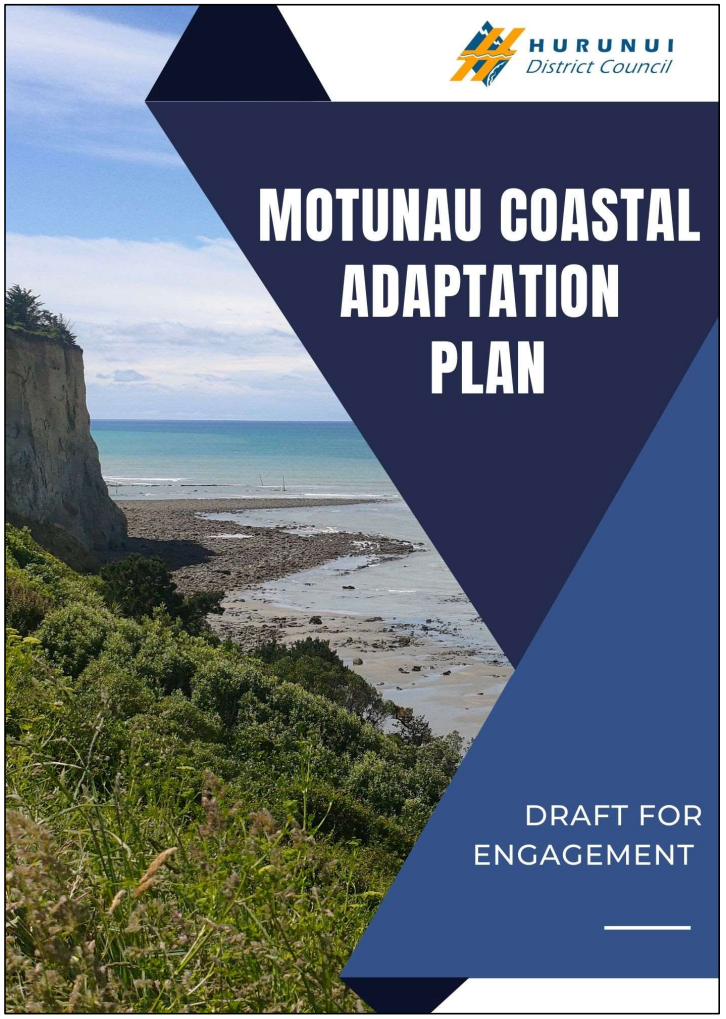
Phase 2
- **WHAT MATTERS MOST?**

Phase 3
- **WHAT CAN WE DO ABOUT IT?**

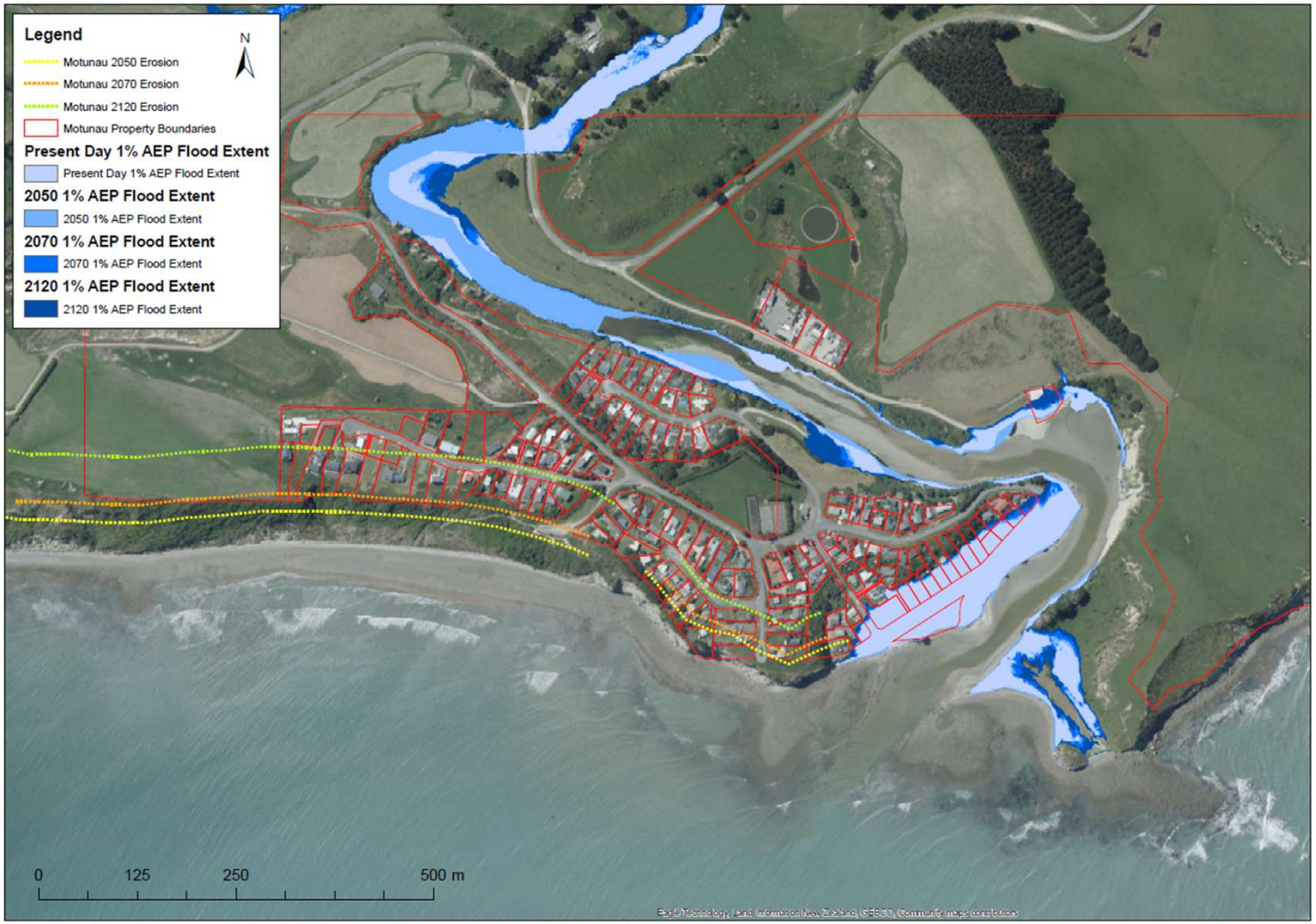
Phase 4
- **HOW CAN WE IMPLEMENT THE STRATEGY?**

Adaptive Planning

- Takes a long-term planning approach
- Enjoy an area for as long as possible
- The future is uncertain
- Don’t want to lock in options – but want to know they exist and can be implemented
- Trigger based not time based
- Allows us to monitor change and act before things deteriorate
- Funding



What is happening?

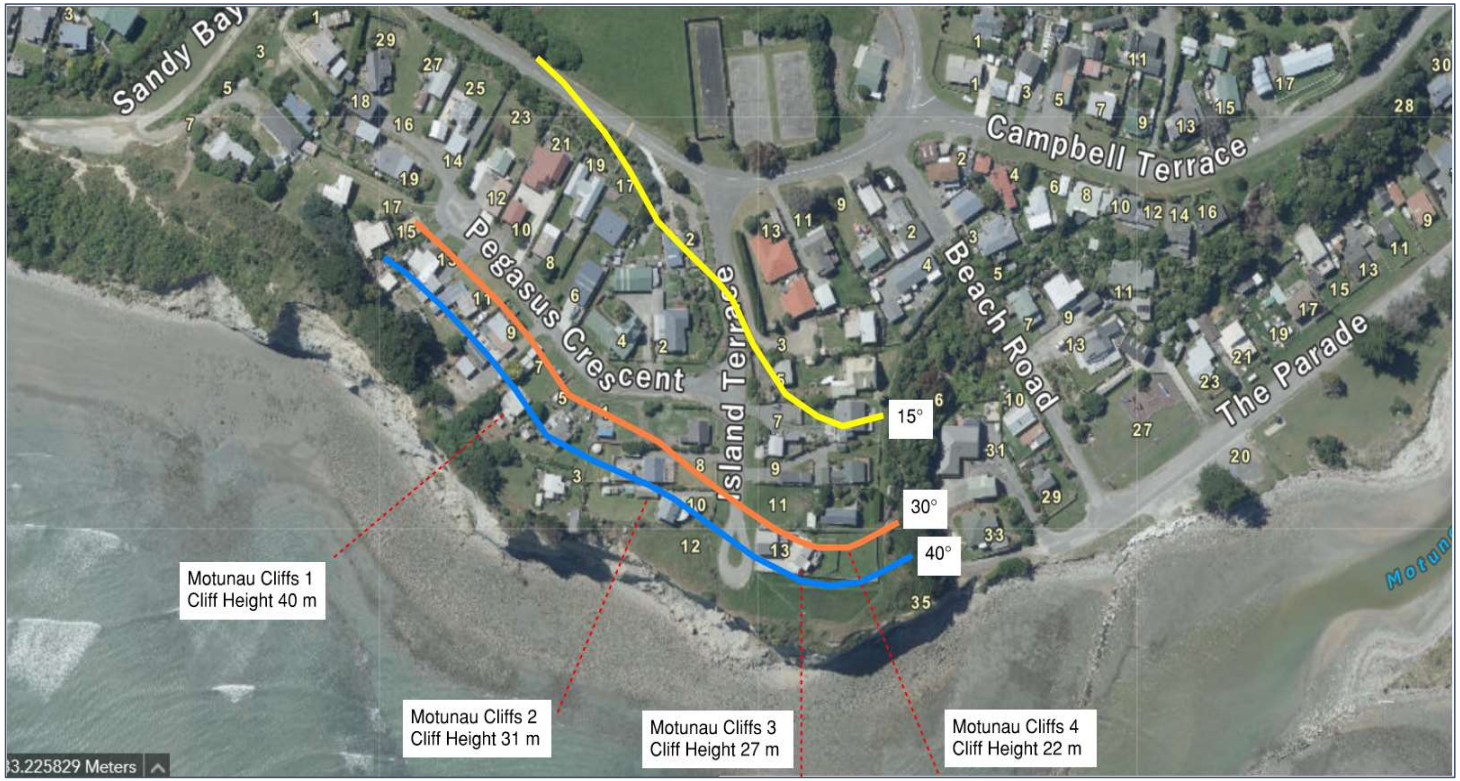


HURUNUI District Council

COASTAL CONVERSATIONS

The environment is changing, how will you?

What is happening?

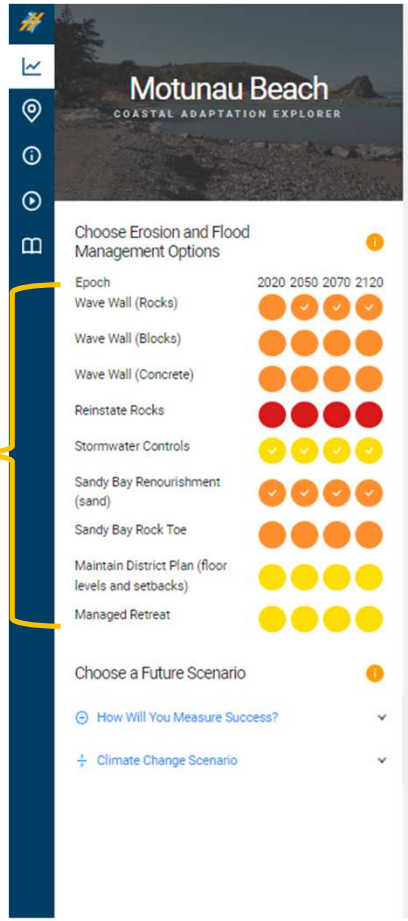


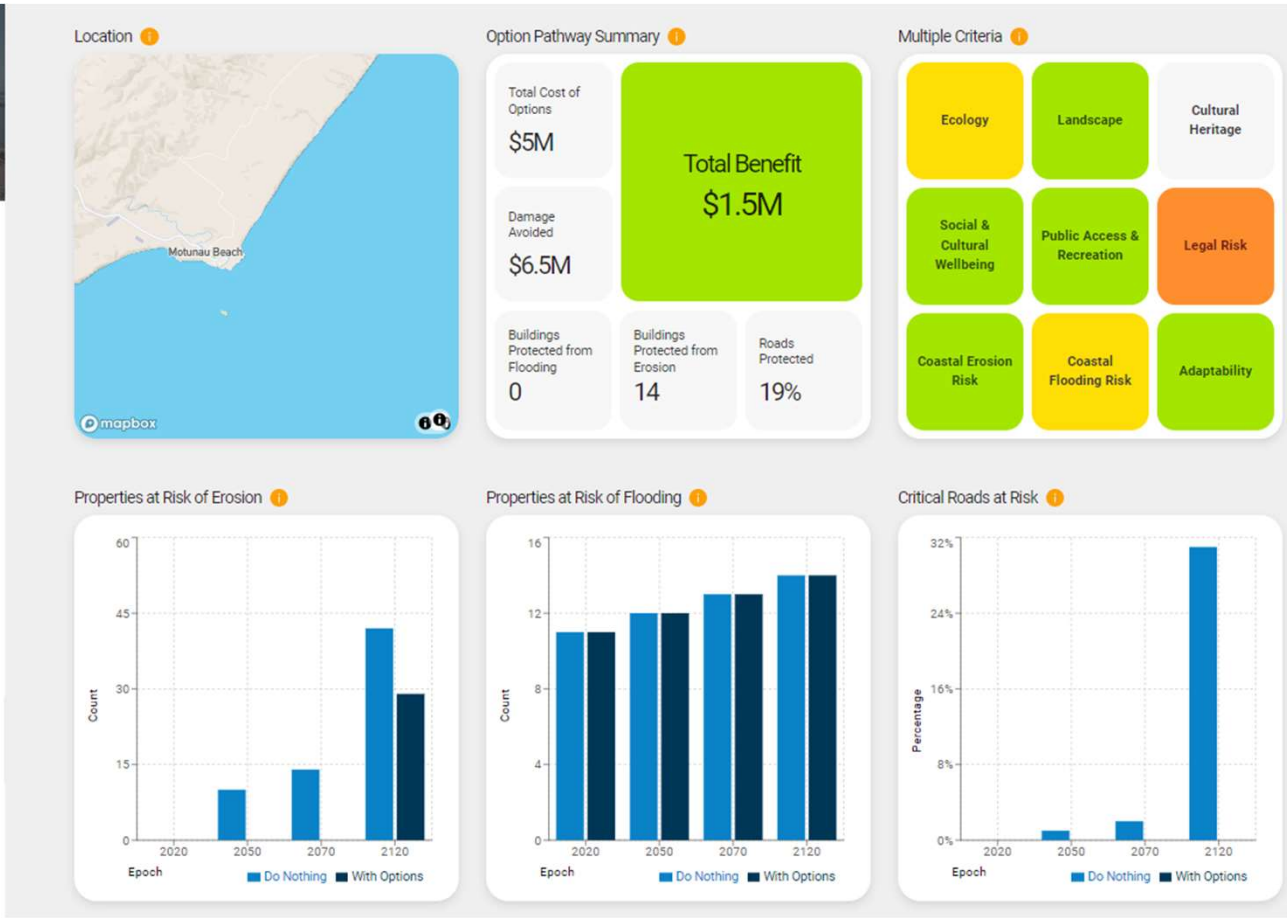
What matters most?

- Public and private assets are protected where it is cost effective to do so.
- Safe access is provided to and along the foreshore.
- The Motunau River mouth remains accessible for boating.

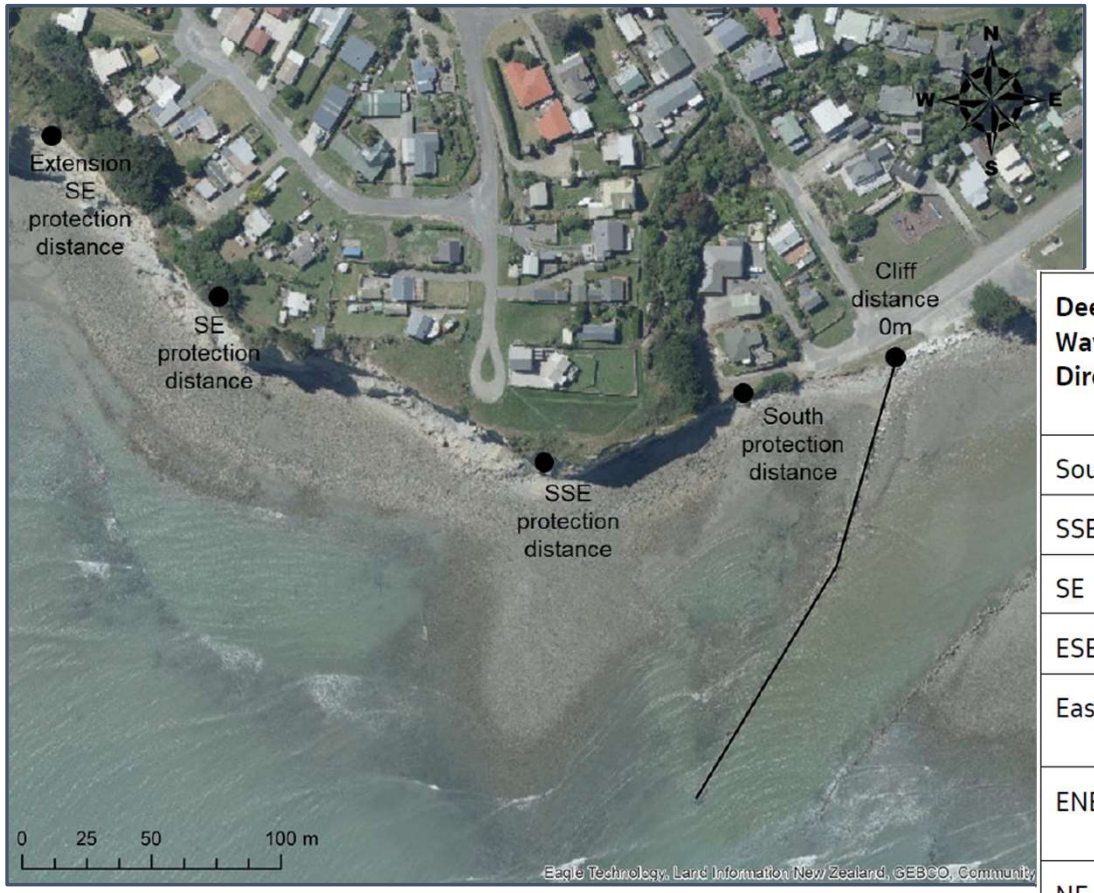
What can we do about it?

Most options have been disregarded





Option 1 – Extension and maintenance of the training wall



Deep Water Storm Wave Approach Direction	Refracted Inshore Wave Approach Direction	% of storm waves	Cliff Protection Lengths for existing wall length	Cliff Protection Lengths for wall length extended by 20 m
South	SSE	18%	140 m	160 m
SSE	SE	9%	280 m	370 m
SE	SE	9%	280 m	370 m
ESE	SE	9%	280 m	370 m
East	ESE	14%	>400 m (Total length)	>400 m (Total length)
ENE	ESE	4%	>400 m (Total length)	>400 m (Total length)
NE	ESE	33%	>400 m (Total length)	>400 m (Total length)

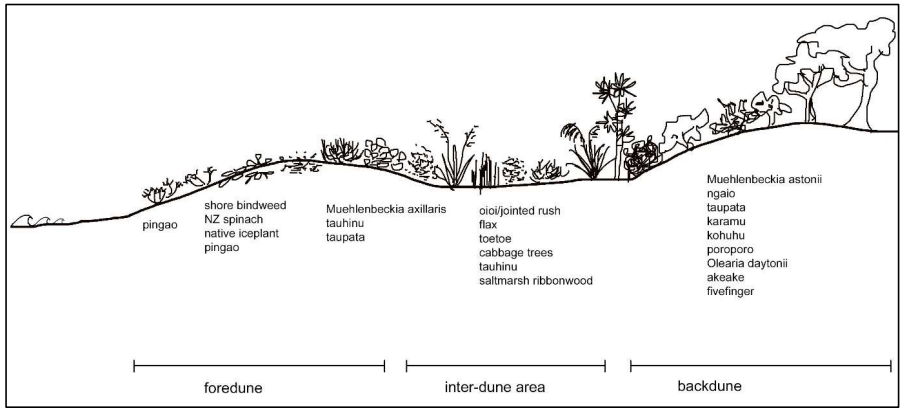
Option 2 – Stormwater management

- Longer term expensive projects
- Short term easy cheap fixes
- Hard projects
- Private property issues

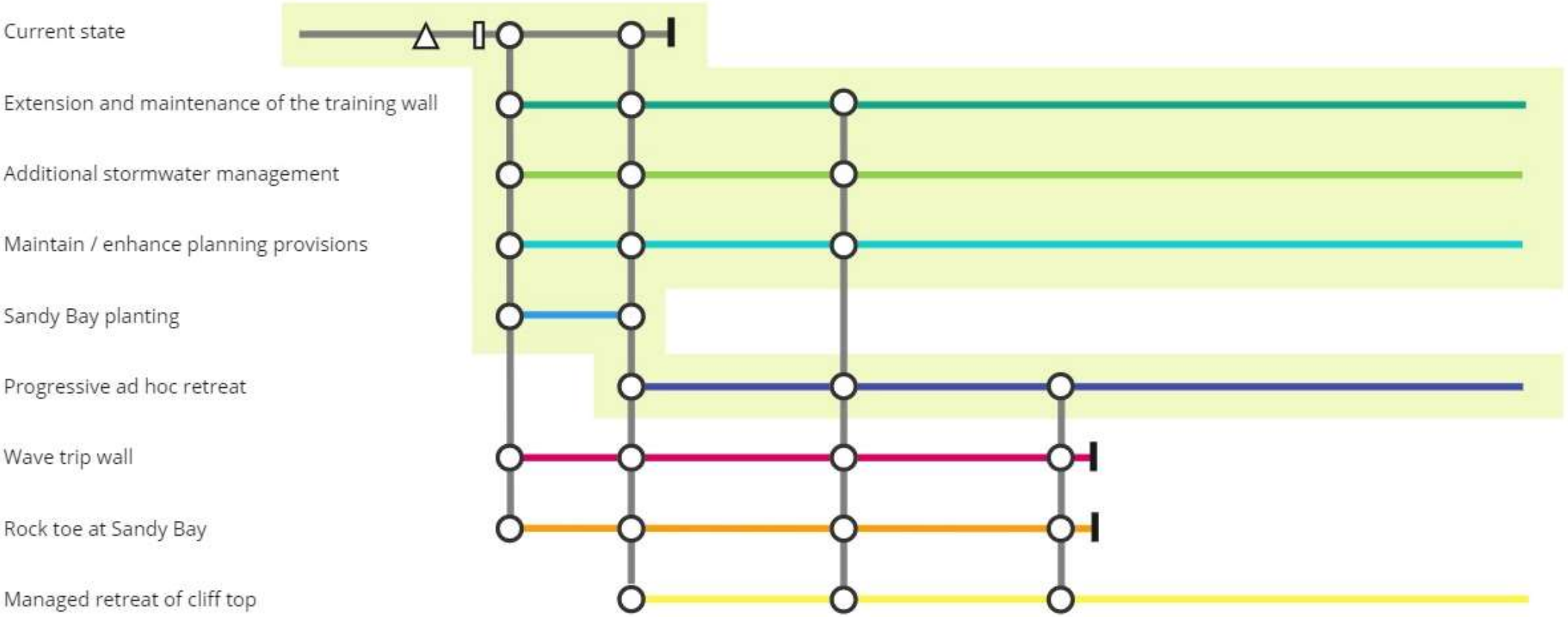
Option 3 - Maintain / enhance planning provisions

Updating provisions to enable adaptive planning

Option 4 – Sandy Bay planting



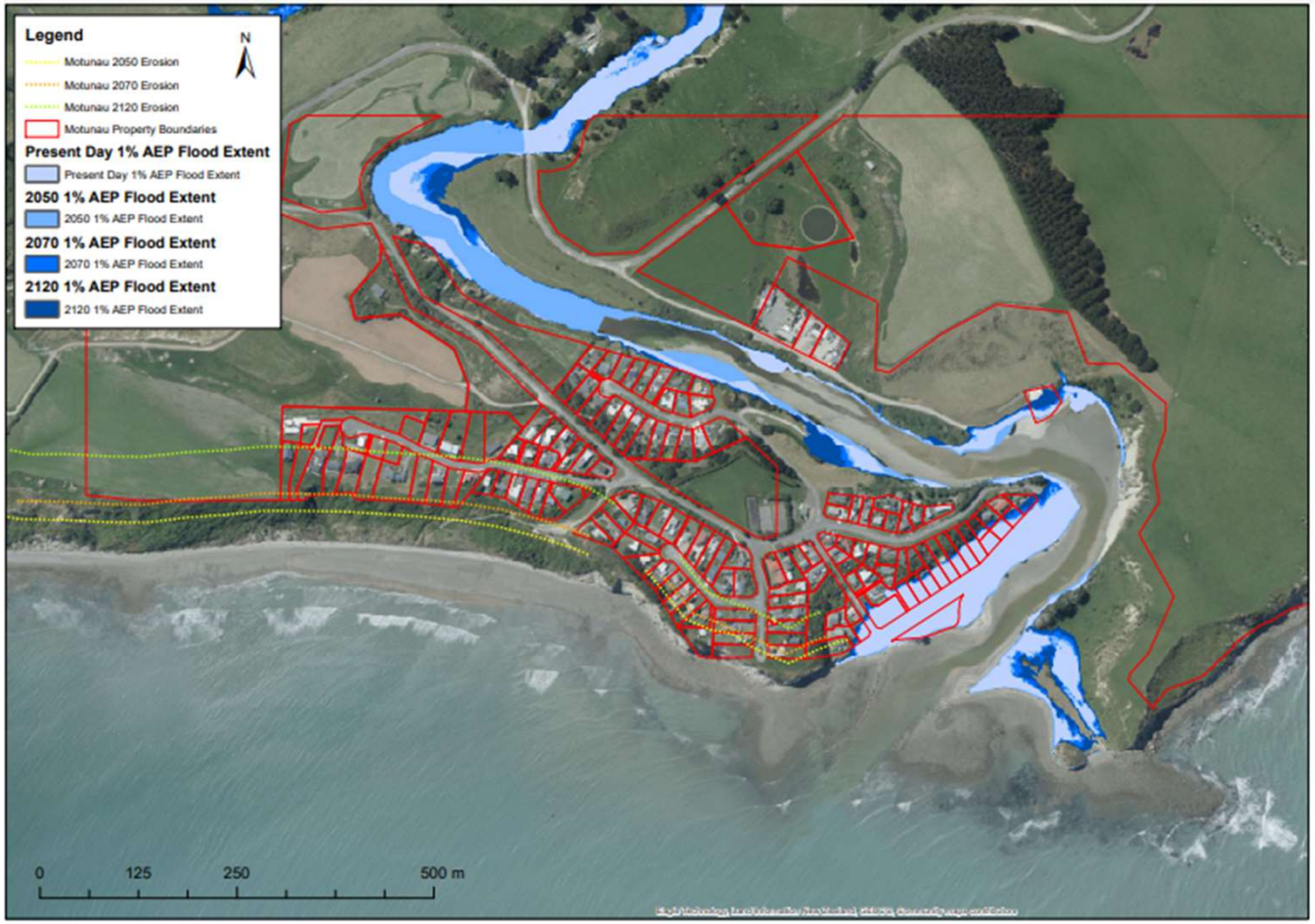
Proposed plan



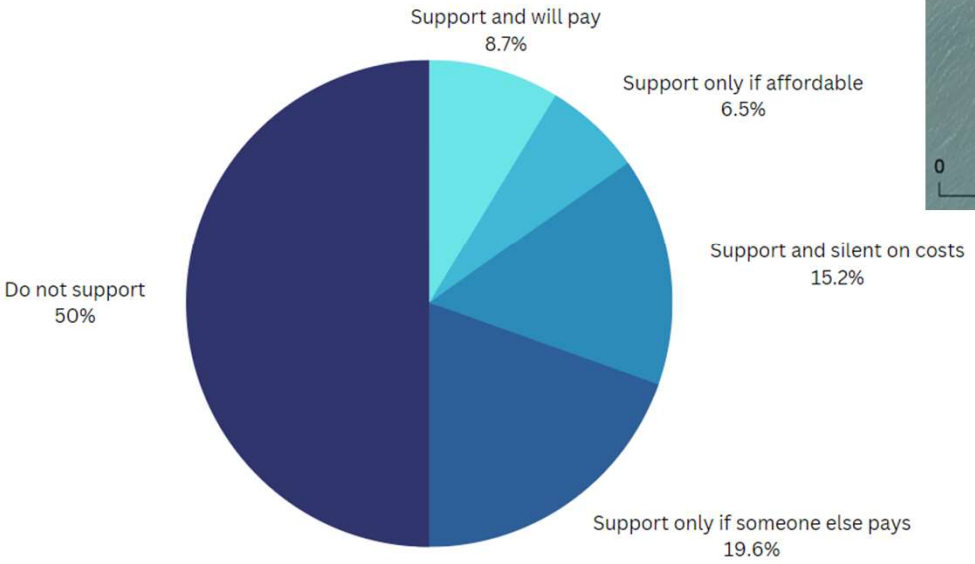
Option 5 – Retreat ad hoc or supported?

Seaward of the erosion lines:

- Around 13 properties in the next 50 years
- Around 40 properties in the next 100 years

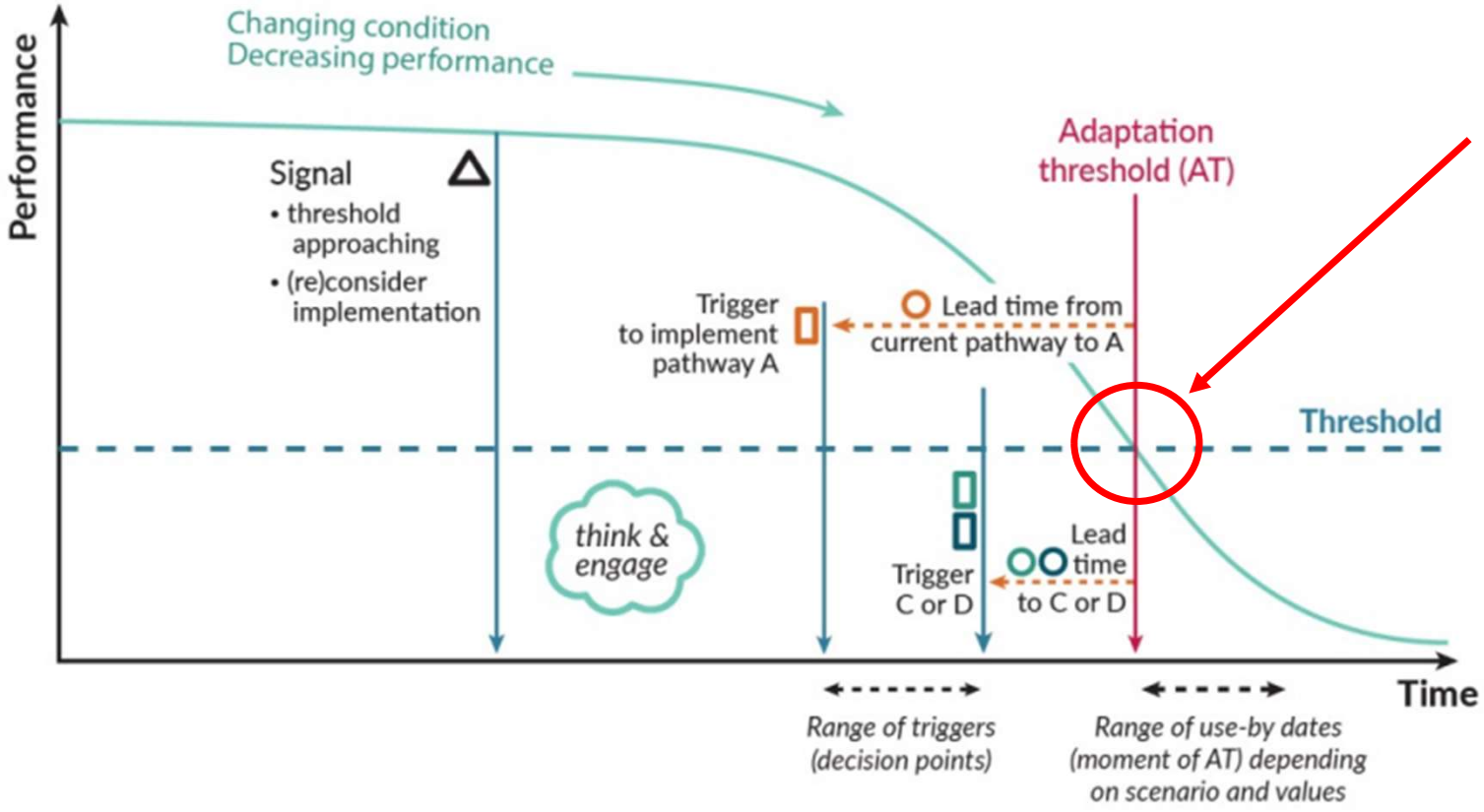


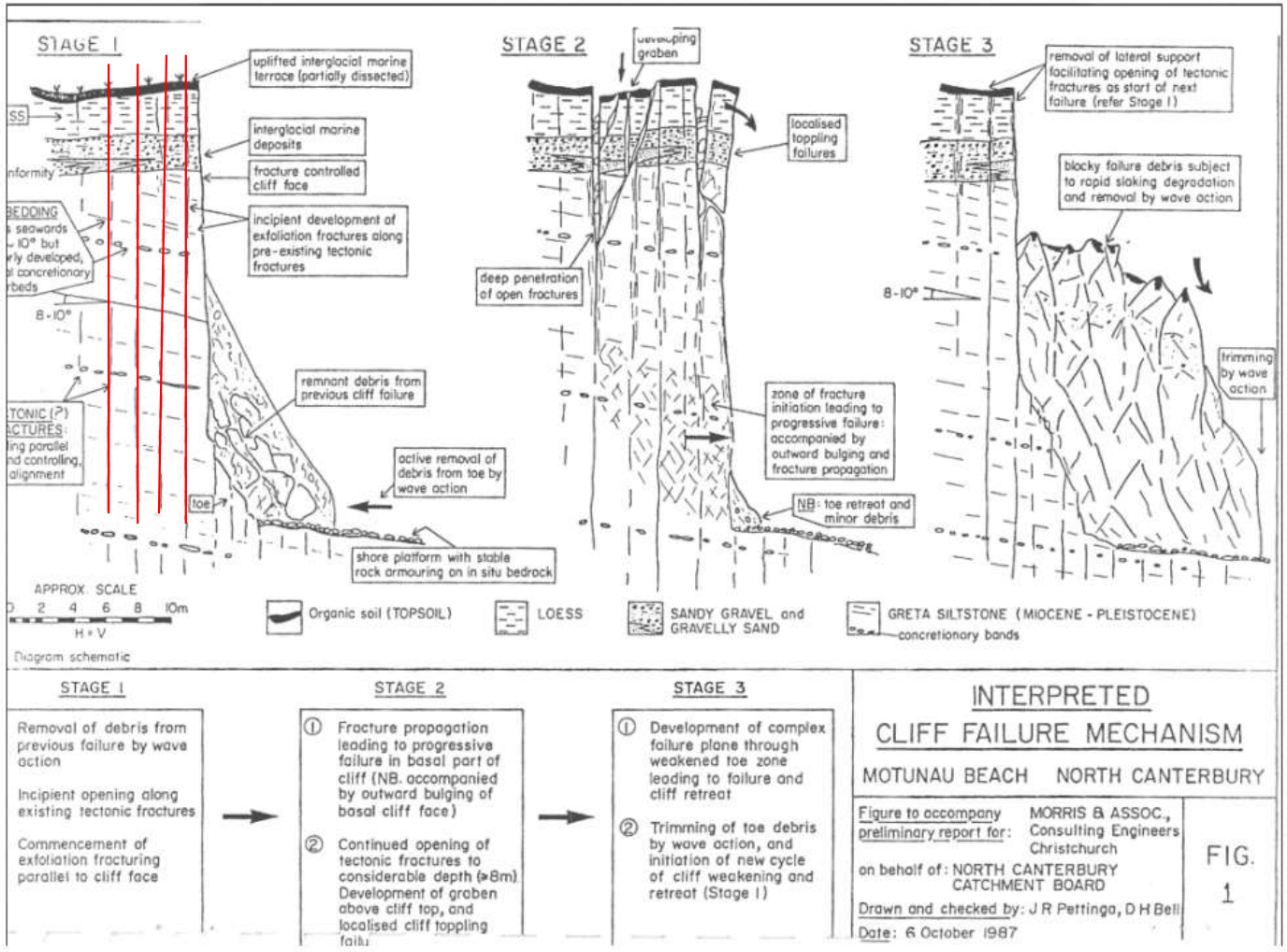
Option 6 – Wave trip wall



Option 7 - Sandy Bay Rock Toe

Phase four:
How can we implement the strategy?



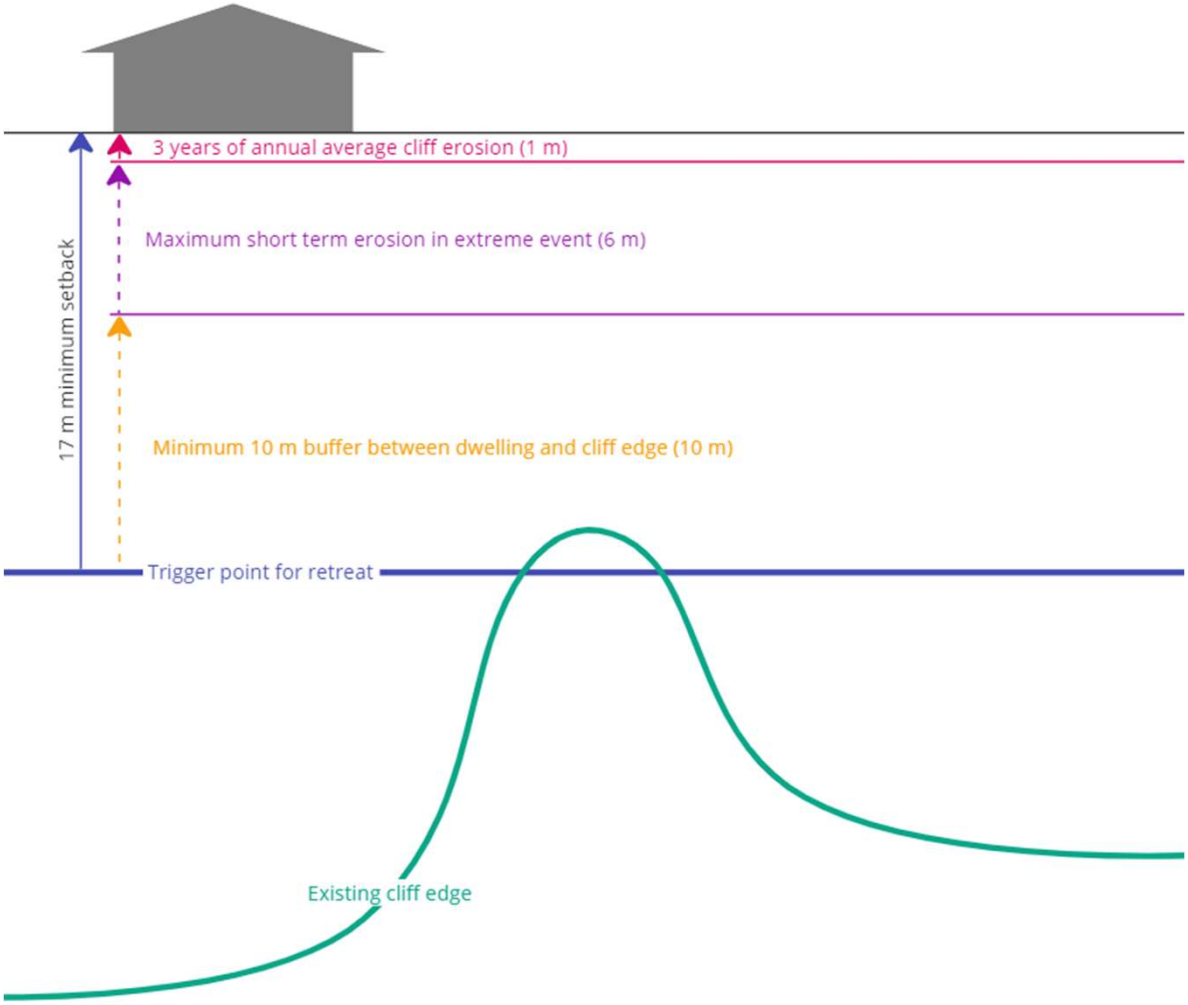


HURUNUI District Council

COASTAL CONVERSATIONS

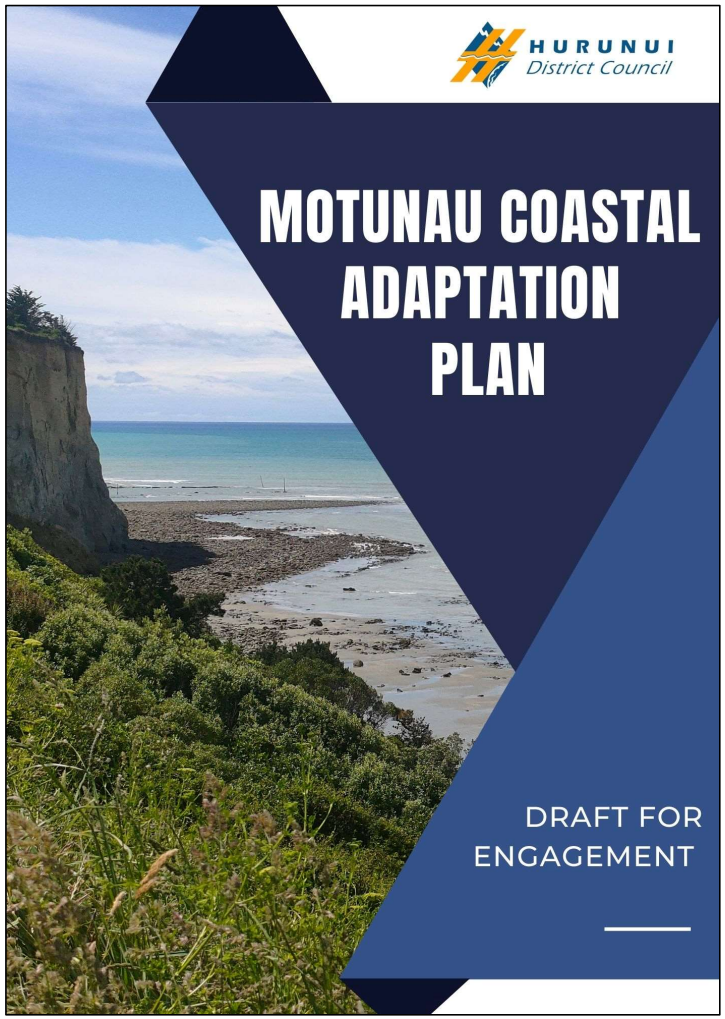
The environment is changing, how will you?

(Annual average rate of erosion x 3 years)
+ short term erosion rate
+ safety area
= Minimum setback



Next steps

- Stormwater projects for LTP
- Stormwater maintenance works
- Engagement on CAP



HURUNUI District Council

COASTAL CONVERSATIONS

The environment is changing, how will you?