

COASTAL CONVERSATIONS

Motunau Beach
26 October 2022

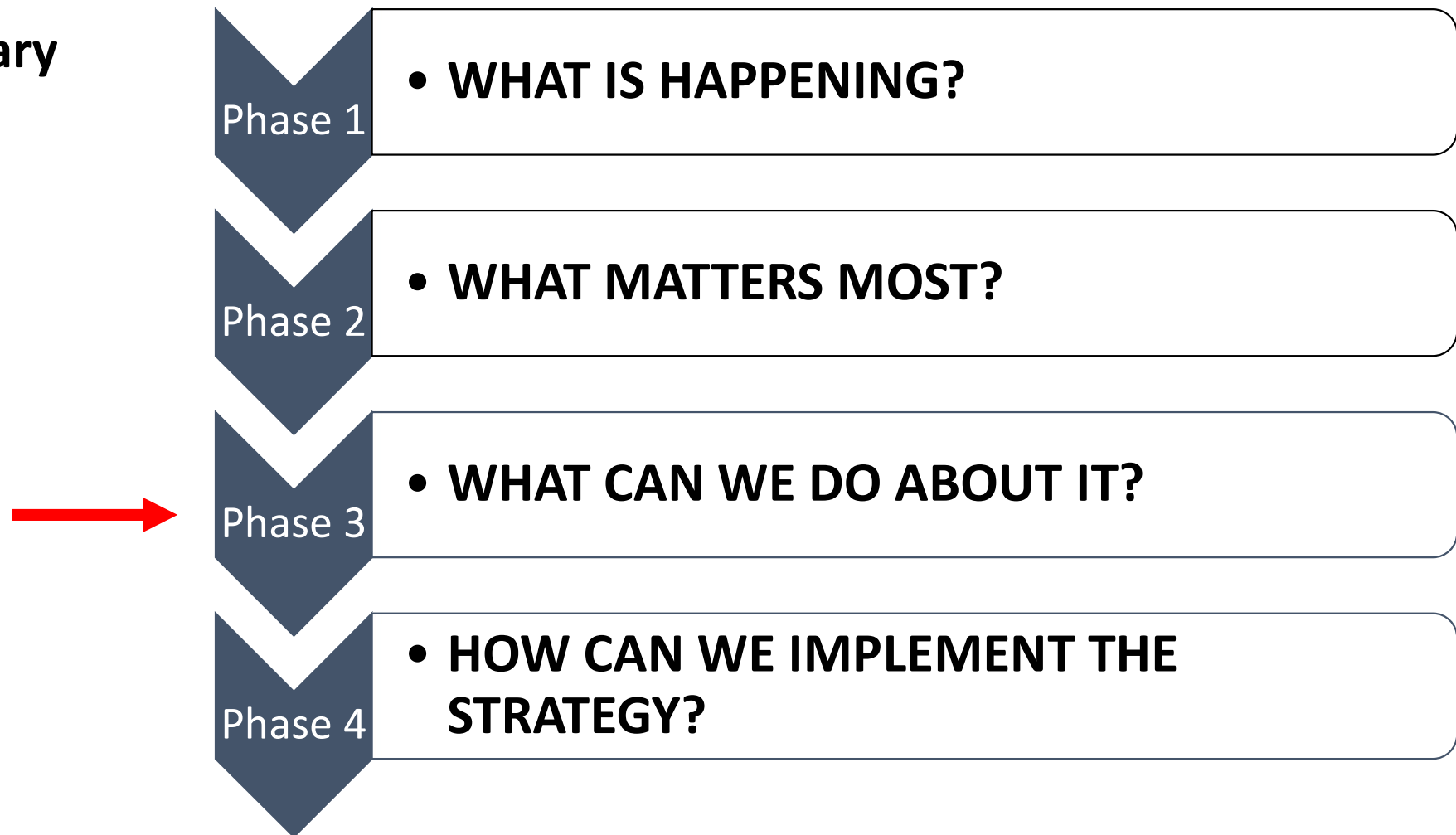


Agenda



- Summary of feedback received
- Investigate the alternative options
- Interactive options explorer

Summary



Objectives

Houses are safe to live in and remain insurable and serviceable.

- 65% agree
- Many believe it is the individual's responsibility



Public and private assets are protected where it is cost effective to do so.

Safe access is provided to the coastal marine area for boats and pedestrians.

- 83% agree
- Alternative wording suggested



Safe access is provided to and along the foreshore.

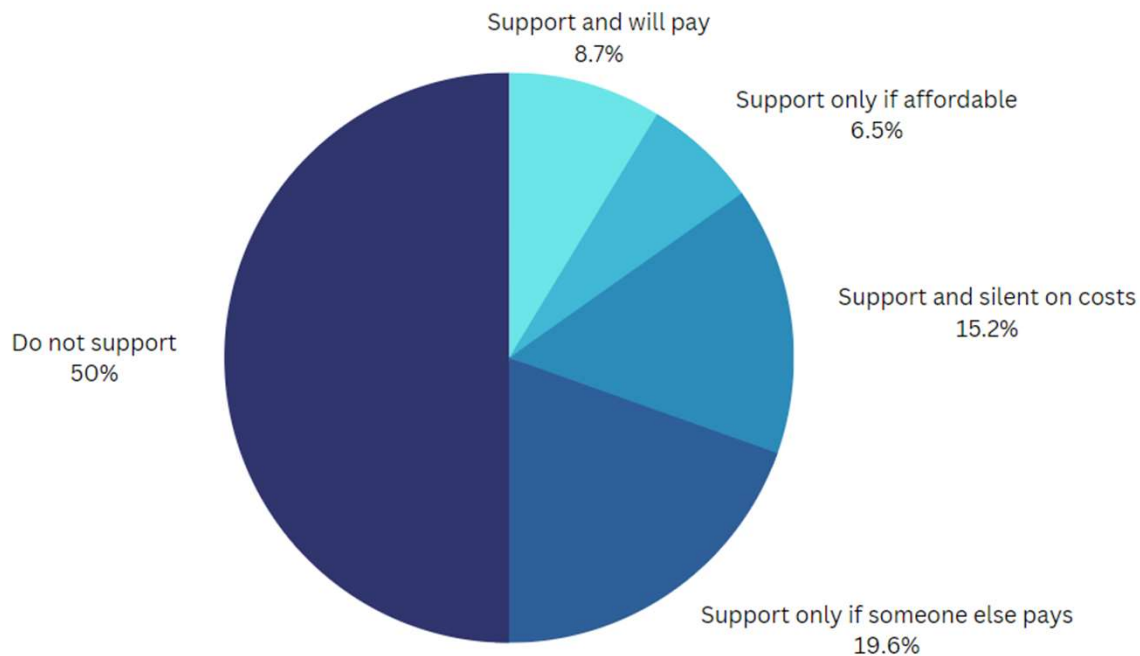
Fishing opportunities are protected.

- 78% agree
- Alternative wording suggested



The Motunau River mouth remains accessible for boating.

Wave trip wall



Issues have been known since the 1960s and people bought knowing the issues.

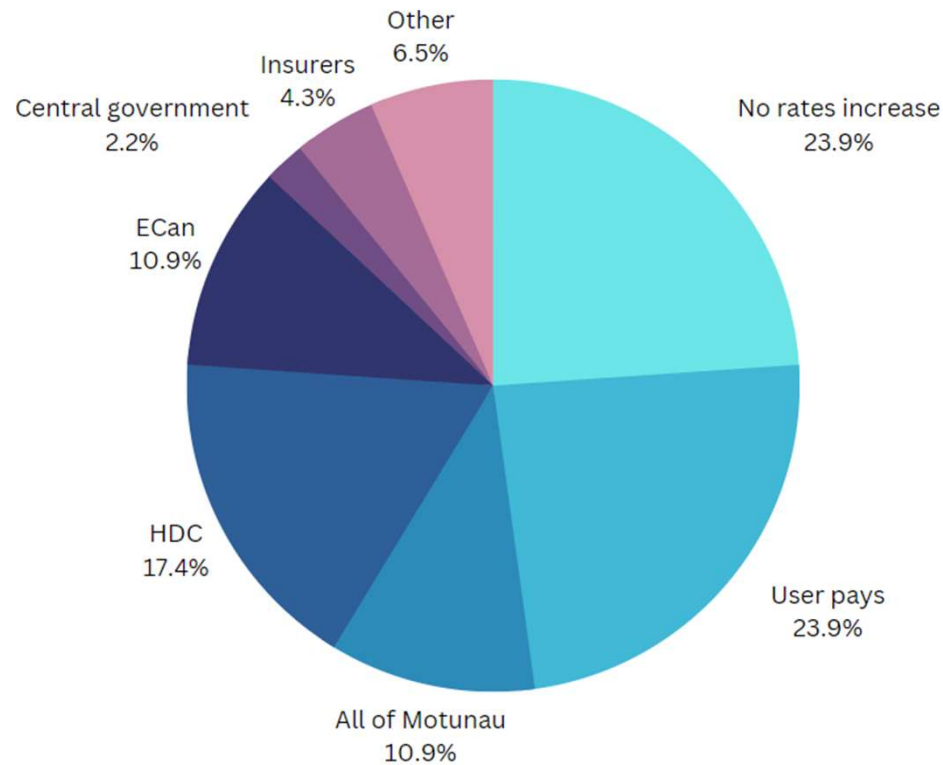
This is a huge expense to only benefit a small amount of rate payers who are not permanent residents.

No manmade structure will work.

Don't want to be burdened with a rate once my property has been eroded.

No human is smarter than nature.

Who pays



Not everyone answered this the same.

Lots of people who said their should be no rates increase also said HDC or ECan should pay.

Other options suggested

Works to protect Sandy Bay

Reinstate rocks

Variation of wave trip wall

Alternative concrete structure

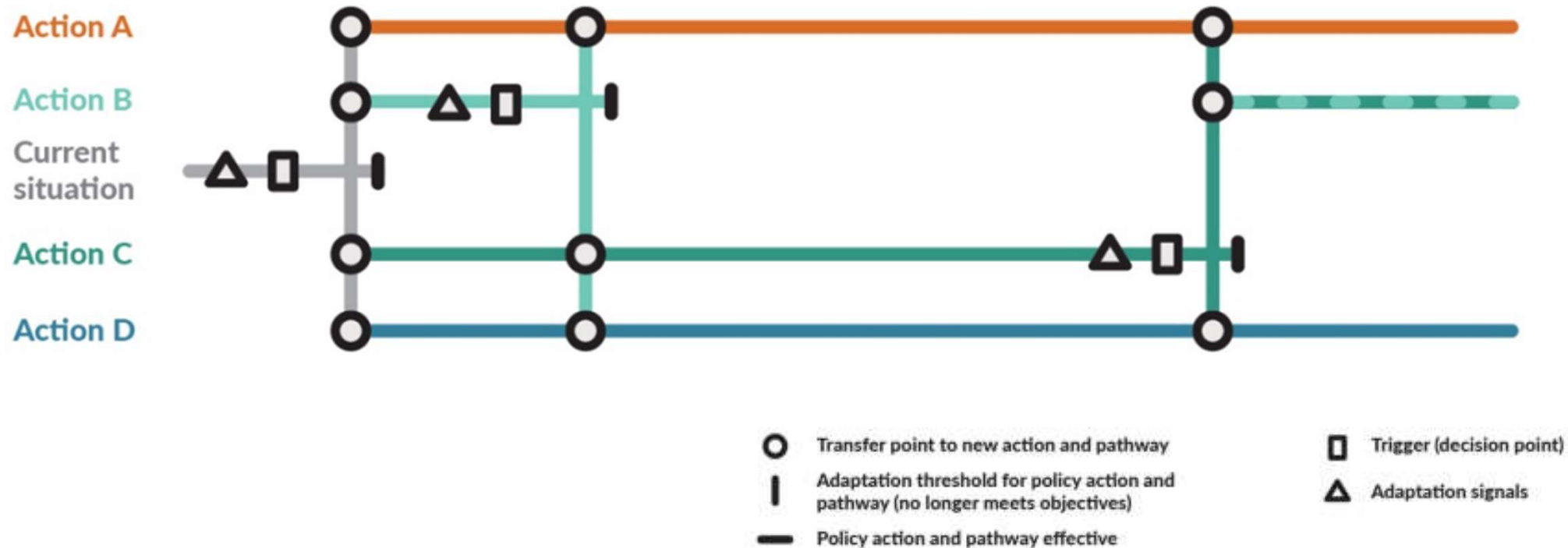
Stormwater

Let nature run its course

Retreat



Phase three: What can we do about it?



Coastal Hazard Adaptation Simulation

Motunau adaptation pathways

Aims of the simulation exercise for Motunau

- Arrange hazard response options over time to address changing coastal hazards at Motunau
- Explore different pathways of responses to achieve objectives
- Feedback on performance, cost, benefits and other impacts of options
- Promote discussion on how Council and community will develop adaption pathways
- Not intended that a preferred pathway of adaptation for Motunau be developed today

Overview of today's simulation exercise

- Outline of the changing flood and erosion hazards
- Overview of options available
- Choose a starting option and then subsequent options based on its performance
- Repeat and explore alternative pathways

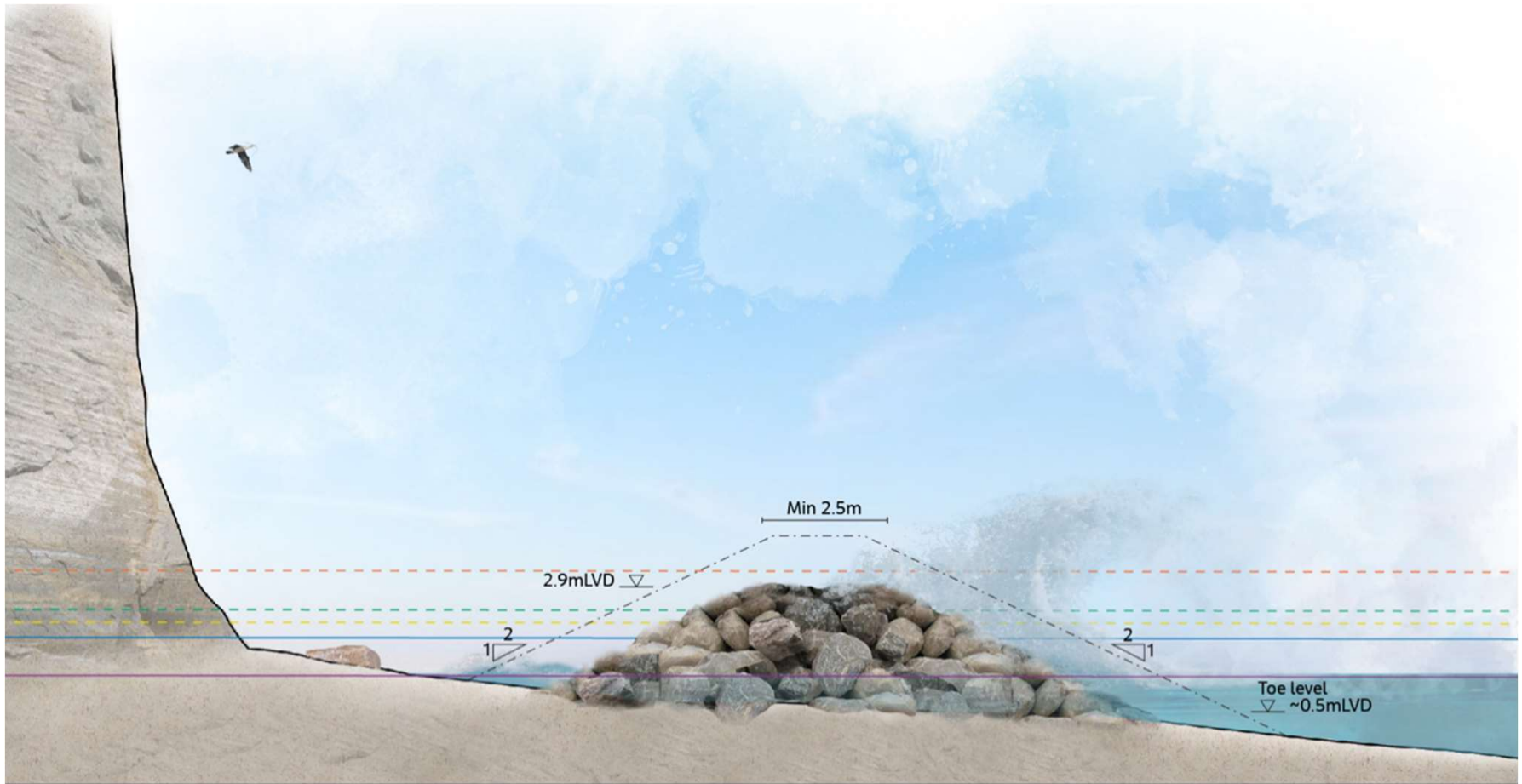


Options

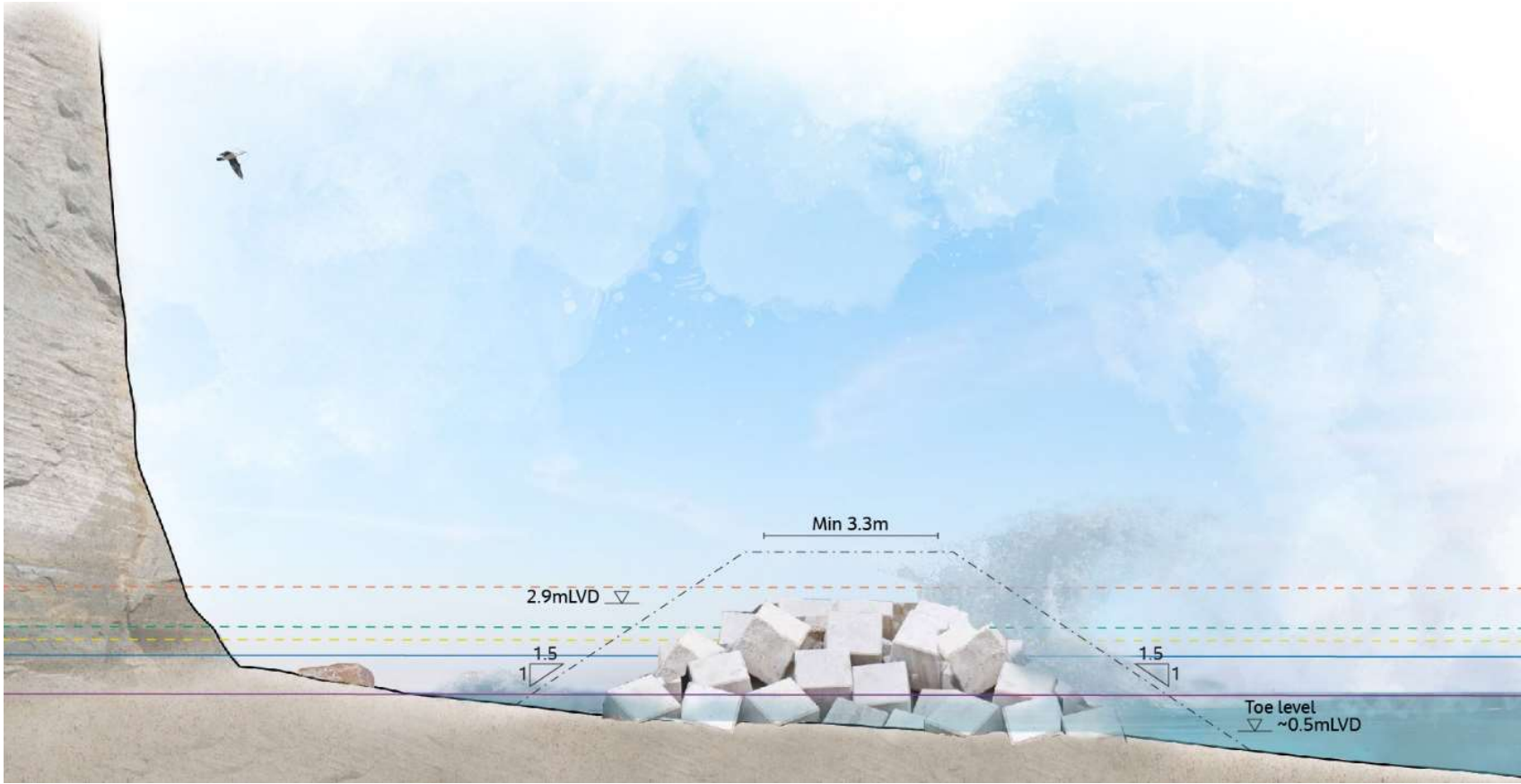
Trip wall alignment



Trip wall (rocks)



Trip wall (concrete blocks)



Trip wall (interlocking concrete)

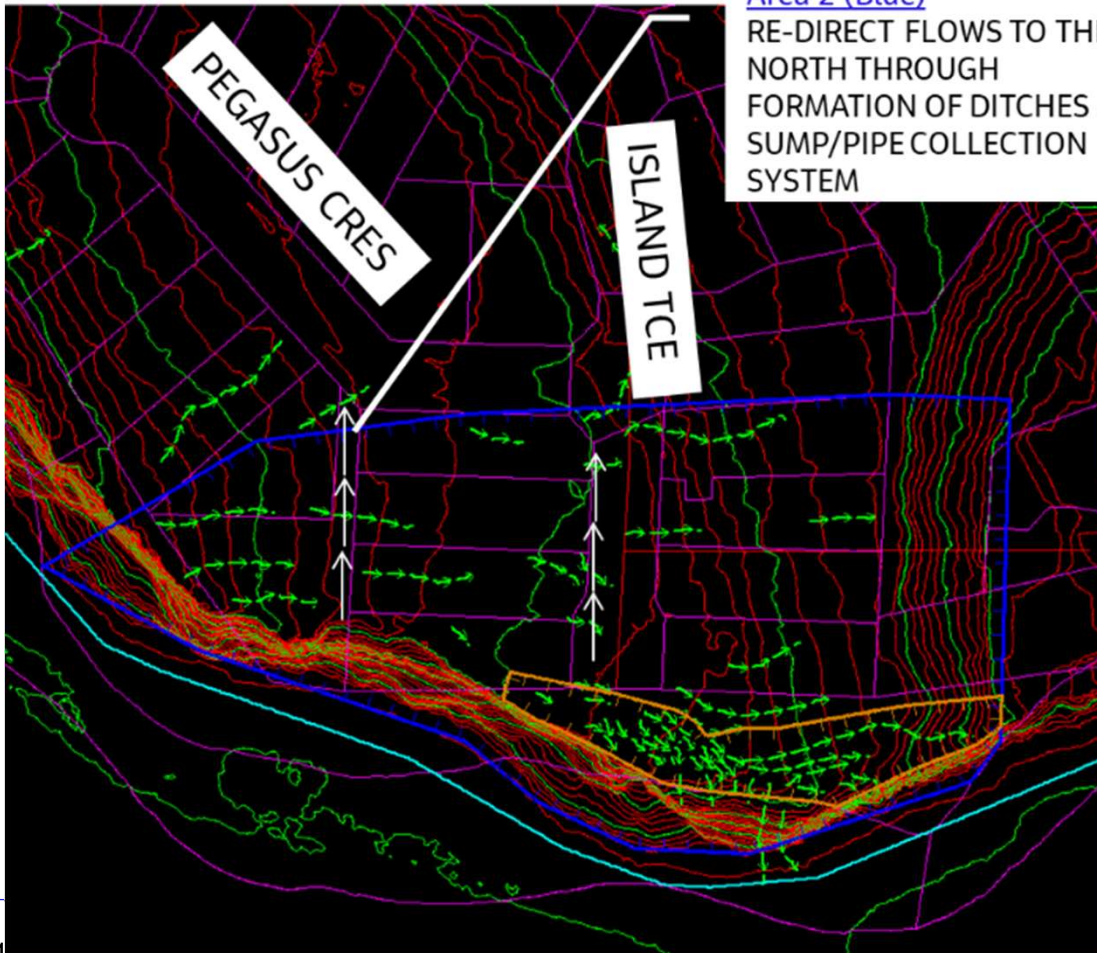


Reinstate rocks on the platform









Stormwater Controls

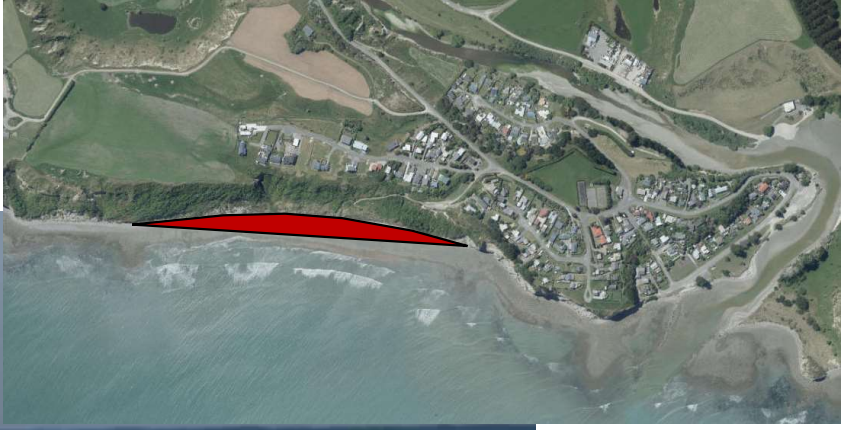
Area 2 (Blue)
RE-DIRECT FLOWS TO THE NORTH THROUGH FORMATION OF DITCHES AND SUMP/PIPE COLLECTION SYSTEM



LEGEND

-  CATCHMENT AREA
-  LINZ PARCEL
-  FLOW DIRECTION
-  TOE PROTECTION
-  1 m CONTOUR
-  5 m CONTOUR

Sandy Bay Renourishment (Sand)



Sandy Bay Rock Toe



Planning Options:

- Maintain the District Plan (e.g. floor levels, building setbacks)
- Managed Retreat

Copyright notice

Important

The material in this presentation has been prepared by Jacobs®.

All rights reserved. This presentation is protected by U.S. and International copyright laws. Reproduction and redistribution without written permission is prohibited. Jacobs, the Jacobs logo, and all other Jacobs trademarks are the property of Jacobs Engineering Group Inc.

Jacobs is a trademark of Jacobs Engineering Group Inc.