

# Community Risk Tolerance Threshold

## Ruawai Adaptive Pathways Community Panel meeting

20 June 2023

**Present:** Anna Curnow, Leisha Gent, Jo Forsyth, Emma Philips, Tahlia Johnson, Tina McCullough, Joseph Dragicevich, Warwick Simpson, Nicky Reid, Beau Wrathall, Ian Beattie, Matua Ben Hita, Matua Toko Retimana, Kelly Retimana, Whaea Ngaroimata (Grace) LeGros, Lyvia Fitzgerald, Matua Haki, Mark Vincent (observer, KDC elected member, guest), Whaea Diane (Guest observer), Sian John (RHDHV), George Olsen (RHDHV), Nick Lewis (RHdHV), John Blackwell (observer, NRC elected member, guest), Katy Simon (KDC), Ngaire Rolleston (KDC)

**Apologies:** Malcolm Joynt, Kay Pua, Sara McKinley, Beverley Pullar, Rob Battcher, Kim Wall (NRC staff), Matua Rex Nathan, (kaumatua)

**Aim:** (introduction of chairs and meeting protocol)

1. Update on Terms of Reference
2. Final discussion on and confirmation to recommend to council for approval
  - Guiding values
  - Partnership values
  - Community Values
  - Pathway objectives
3. Report on the risk threshold from the community survey and validate
4. Present and clarify understanding of the first outputs from the risk assessment
5. Identify next steps, options and pathways

**Objectives:** The participants will be able to:

1. Accept the update to the Terms of Reference
2. Confirm the community values, guiding values, partnership principles and pathway objectives
3. Understand what is meant by risk and threshold tolerance in relation to adaptive pathways planning
4. Validate results from the community survey on risk thresholds and validate the first outputs of the risk assessment
5. Understand next steps in planning an adaptive pathway

### Karakia

**Lead Co-Chair:** Anna Curnow

**Supporting Co-Chair:** Matua Haki Toka

## 1. Update on Terms of Reference

### Additions:

- Statement of overlapping interest and acknowledgement of whanaunga relationship, marae associations and kinship connections
- Resources for appendix

### Still to confirm:

- Pepeha
- Additional marae representatives from Parirau
- Final appendix

There were no questions from the Panel about the Terms of Reference update.

## 2. Final discussion and confirmation of the Community Values and Pathway Objectives Report

This report includes the final proposed:

- Ngā Uara - Guiding values
- Partnership principles
- Community values
- Pathway objectives

The Panel approved that the report is presented to Council for decision, noting the following changes:

- Add an English translation of Ngā Uara - Guiding values in the summary section.
- Order of values 1 and 2 to be swapped to align with the pathway objectives.
- Remove numbered prioritising of community values.

## 3. Te Ara Huringa Āhuarangi Mō Te Taiao

Presented by Whaea Diane Bradshaw, Technical Advisor to Te Ara Huringa Āhuarangi Mō Te Taiao

- Introduced Te Ara Huringa Āhuarangi Mō Te Taiao – Adaptation Co-Governance Panel.
- Presented formalising process and steps leading to establishment.
- Presented what mātauranga Māori and the sharing of knowledge with everyone means when working together.
- Summarised and formally presented feedback on the risk assessment methodology.

#### 4. Reiterate definition of the term “risk” in Adaptive Pathways Planning

(Hazard) Exposure x Vulnerability = Risk

Exposure is whether you are in front of the hazard

Vulnerability is how much it hurts

Vulnerability = asset sensitivity x adaptive capacity

#### 5. Discussion about the report of the risk threshold results from the community survey and validate

Panel consideration	Draft tolerance	Draft intolerable
Housing & residential	1x in lifetime	2-3x in lifetime
Saltwater on land due to coastal flooding-rural, agricultural, farming	1x in lifetime	2-3x in life time
Freshwater flooding	Too many variables, season, temperature, crops, pasture, standing time	Too many variables, season, temperature, crops, pasture, standing time
Road access	Every 2-3x years	2-3x in a year
School and work access	Every 2-3x years	2-3x in a year
Road access to shops and services		2-3x in a year

#### 6. Presentation and clarification to understand the first outputs from the risk assessment

##### Discussion points:

In developing the risk assessment, RHDHV will look at depth of flooding and introduce adaptive capacity

- The boundaries of the Exposure Rating Criteria (i.e., what quantum represents a low, moderate or high exposure rating) are subjective and can be changed where they do not reflect reality (e.g., a 100ha of agricultural land being flooded is not necessarily significant, unless the duration of flooding is extended).
- It was suggested that an alternative word was found for "insignificant" (in the context of risk, e.g., very low).
- The vulnerability of agricultural land is highly variable, depending on land use type (e.g., pasture versus forestry versus kumara), and the depth and duration of flooding, as well as the weather (e.g., temperature).



- Rather than trying to determine different tolerances for different land uses, it could be more relevant to consider appropriate land uses under different conditions going forward (i.e., the adaptation of land uses).

**Next steps:**

Next meeting 12 September 2023

- Full risk assessment outputs
- Confirm community risk thresholds
- Introduction to adaptation options and adaptive pathways

**Closing** – karakia