Takutai Kāpiti.

Pop-Up Material

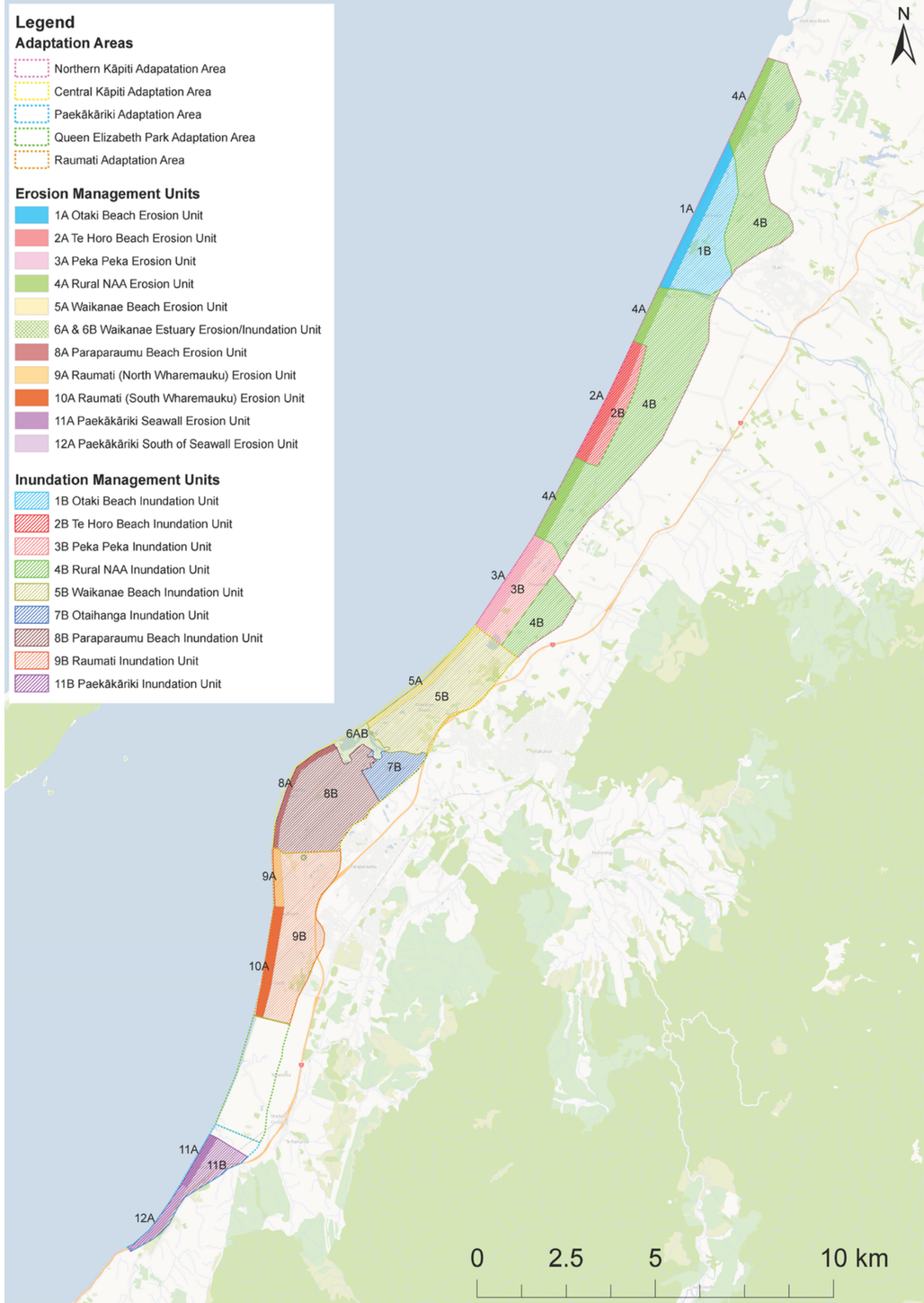
What is Takutai Kāpiti?

Takutai Kāpiti is our district's coastal adaptation project. This project will help guide our community response to the impacts of sea level rise on our environment, our community and Council infrastructure.

A Coastal Advisory Panel has been independently recruited to develop recommendations on coastal adaptation options for Council's consideration based on feedback received from the community.

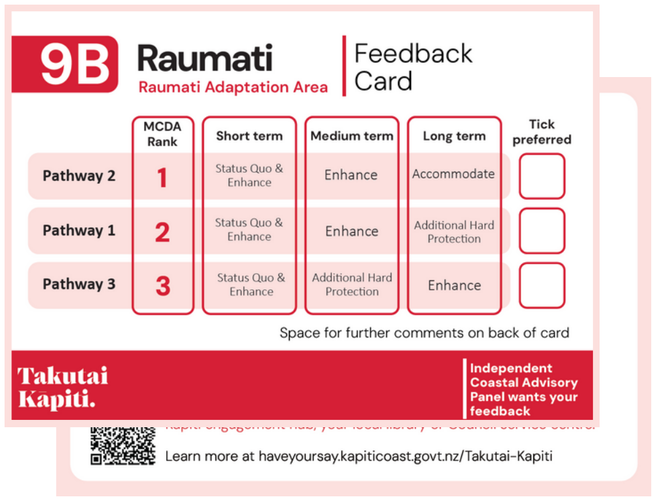
Adaptation Areas and Management Units

To focus the Coastal Advisory Panel's work, and recognise the diversity of our district, adaptation areas were introduced to break the 38km of Kāpiti coastline into smaller areas (management units). The inland boundaries of each adaptation area are based on hydrological modelling of where groundwater levels are influenced by sea level rise – this distance inland varies along the coast.



The three items we need your feedback on.

CAP's Top Preferred Pathways



9B Raumati
Raumati Adaptation Area
Feedback Card

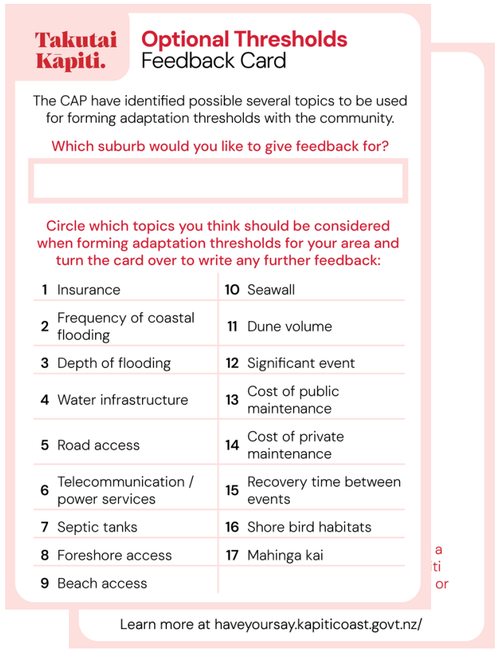
	MCDA Rank	Short term	Medium term	Long term	Tick preferred
Pathway 2	1	Status Quo & Enhance	Enhance	Accommodate	
Pathway 1	2	Status Quo & Enhance	Enhance	Additional Hard Protection	
Pathway 3	3	Status Quo & Enhance	Additional Hard Protection	Enhance	

Space for further comments on back of card

Takutai Kāpiti.
Independent Coastal Advisory Panel wants your feedback

Learn more at haveyoursay.kapiticoast.govt.nz/Takutai-Kapiti

CAP's Optional Thresholds



Takutai Kāpiti.
Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

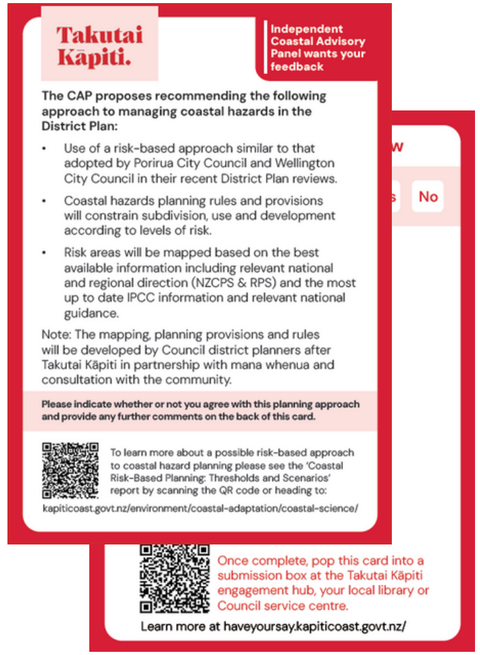
Which suburb would you like to give feedback for?

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1	Insurance	10	Seawall
2	Frequency of coastal flooding	11	Dune volume
3	Depth of flooding	12	Significant event
4	Water infrastructure	13	Cost of public maintenance
5	Road access	14	Cost of private maintenance
6	Telecommunication / power services	15	Recovery time between events
7	Septic tanks	16	Shore bird habitats
8	Foreshore access	17	Mahinga kai
9	Beach access		

Learn more at haveyoursay.kapiticoast.govt.nz/

CAP's Planning Approach Endorsement



Takutai Kāpiti.
Independent Coastal Advisory Panel wants your feedback

The CAP proposes recommending the following approach to managing coastal hazards in the District Plan:

- Use of a risk-based approach similar to that adopted by Porirua City Council and Wellington City Council in their recent District Plan reviews.
- Coastal hazards planning rules and provisions will constrain subdivision, use and development according to levels of risk.
- Risk areas will be mapped based on the best available information including relevant national and regional direction (NZCPS & RPS) and the most up to date IPCC information and relevant national guidance.

Note: The mapping, planning provisions and rules will be developed by Council district planners after Takutai Kāpiti in partnership with mana whenua and consultation with the community.

Please indicate whether or not you agree with this planning approach and provide any further comments on the back of this card.

To learn more about a possible risk-based approach to coastal hazard planning please see the 'Coastal Risk-Based Planning: Thresholds and Scenarios' report by scanning the QR code or heading to:
kapiticoast.govt.nz/environment/coastal-adaptation/coastal-science/

Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Pathway information and economic analysis

There are 20 management units within the 4 adaptation areas. Each management unit has 3 top pathways laid out that includes the information about the pathway as well as the economic analysis of that pathway.

The CAP wants to know which of these is your preferred pathway along with any further comments you have.

5A Waikanae Beach | Feedback Card
Central Adaptation Area

	MCDA Rank	Short term	Medium term	Long term	Tick preferred
Pathway 1	1	Enhance	Soft Engineering Protection (Dune reconstruction)	Soft Engineering Protection (Renourishment)	
Pathway 6	2	Enhance & Soft Engineering (Dune reconstruction)	Retreat	Retreat	
Pathway 2	3	Enhance & Soft Engineering (Dune reconstruction)	Enhance & Soft Engineering Protection (Renourishment)	Hard Engineering - Sea Wall	

Space for further comments on back of card

Takutai Kāpiti.

Independent Coastal Advisory Panel wants your feedback

Share your comments below

Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/Takutai-Kapiti

5A Waikanae Beach
Erosion
Central Adaptation Area

Takutai Kāpiti.

Pathway 1

MCDA Score 71 | MCDA Ranking 1

Short term Enhance	Increased dune resilience by foreshore and backshore planting, increased community education and emergency management.	
Medium term Soft Engineering Protection (Dune reconstruction)	Reconstructing the dune by distributing imported sand across the existing dune and reshaping to improve crest elevation and slope. The reshaped dune could be planted to optimise protection.	
Long term Soft Engineering Protection (Renourishment)	Importing sand and distributing it on the foreshore to supply more bulk to the beach profile.	

Cost + Loss $22.1M | Cost + Loss Ranking 1 | Total Pathway Cost $22M

Damages Avoided $30.2M | Damages Avoided Ranking 1= | Number of Properties Still Exposed (2130) 0

Pathway 6

MCDA Score 64 | MCDA Ranking 2

Short term Enhance and Soft Engineering (Dune reconstruction)	Increased dune resilience by foreshore and backshore planting and dune reconstruction, increased community education and emergency management.	
Medium term Retreat	Proactively and progressively retreating properties as they become impacted by the hazard.	
Long term Retreat	Proactively and progressively retreating properties as they become impacted by the hazard.	

Cost + Loss $70.8M | Cost + Loss Ranking 2 | Total Pathway Cost $70.8M

Damages Avoided $30.2M | Damages Avoided Ranking 1= | Number of Properties Still Exposed (2130) 0

Pathway 2

MCDA Score 60 | MCDA Ranking 3

Short term Enhance and Soft Engineering (Dune reconstruction)	Increased dune resilience by foreshore and backshore planting and dune reconstruction, increased community education and emergency management.	
Medium term Enhance and Soft Engineering (Renourishment)	Increased dune resilience by foreshore and backshore planting and beach renourishment, increased community education and emergency management.	
Long term Hard Engineering - Sea Wall	Sea wall along the front of the settlement.	

Cost + Loss $71.2M | Cost + Loss Ranking 3 | Total Pathway Cost $71.2M

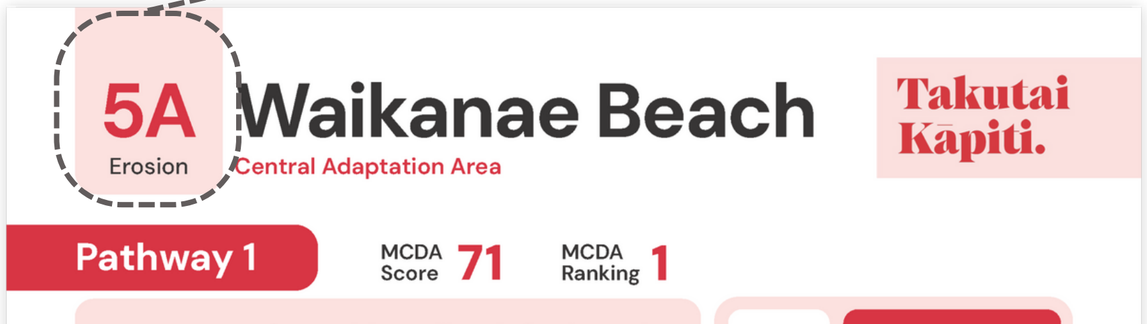
Damages Avoided $30.2M | Damages Avoided Ranking 1= | Number of Properties Still Exposed (2130) 0

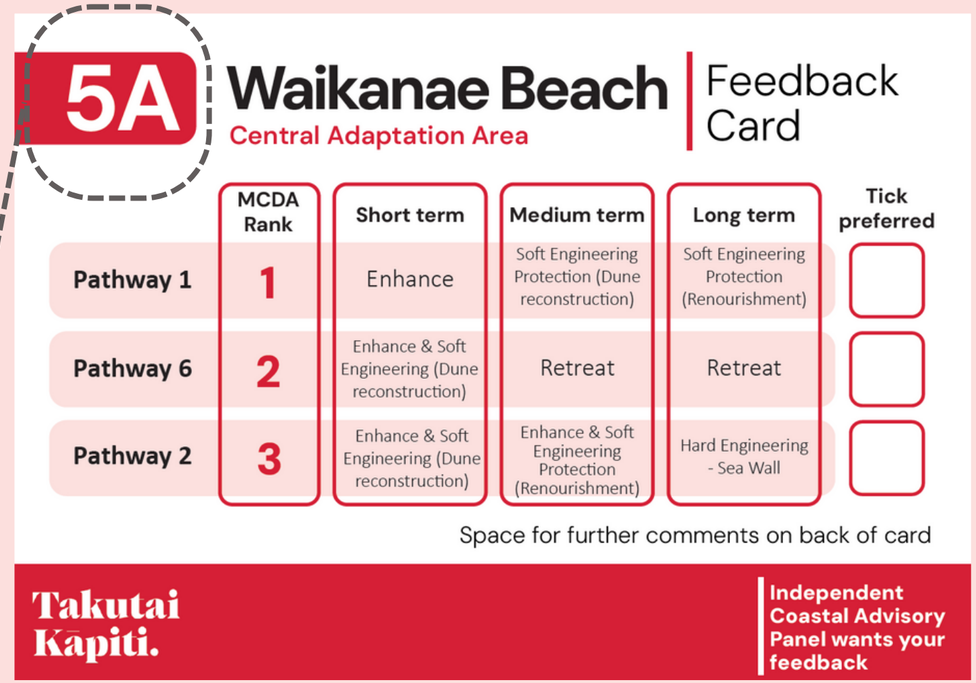
Pathway information and economic analysis

Each management unit has a unique feedback card where you can tick your preferred pathway for that unit and write any further feedback on the back of the card before dropping it into a submission box.

You can read all about the pathways and their information on the Takutai Kāpiti website or by coming along to a pop-up.

Ensure that the code for the management unit you wish to give feedback for correlates to the code on your feedback card.





Optional thresholds

Signals, triggers, and thresholds determine when a change to the current management approach is required and means change only happens when, and if, the situation changes.

Thresholds are a situation that a community does not want to reach, with the signals and triggers being set based on these thresholds.

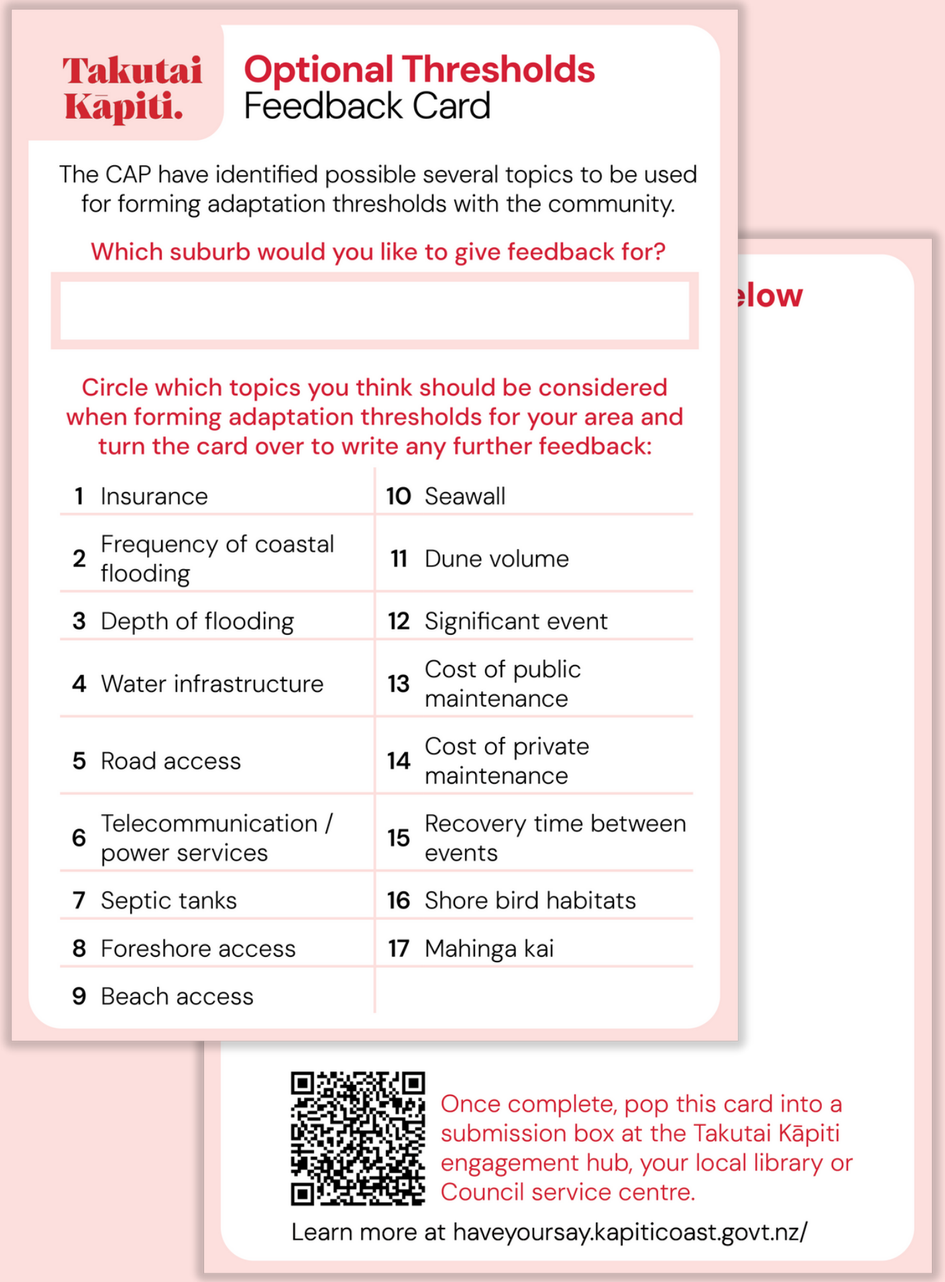
The CAP has developed an initial set of draft Optional Thresholds to recommend to Council to develop further with communities after Takutai Kāpiti is completed.

The CAP wants to know if you think the thresholds they've drafted are applicable to the adaptation areas they applied them to.

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1 Insurance	10 Seawall
2 Frequency of coastal flooding	11 Dune volume
3 Depth of flooding	12 Significant event
4 Water infrastructure	13 Cost of public maintenance
5 Road access	14 Cost of private maintenance
6 Telecommunication / power services	15 Recovery time between events
7 Septic tanks	16 Shore bird habitats
8 Foreshore access	17 Mahinga kai
9 Beach access	

elow

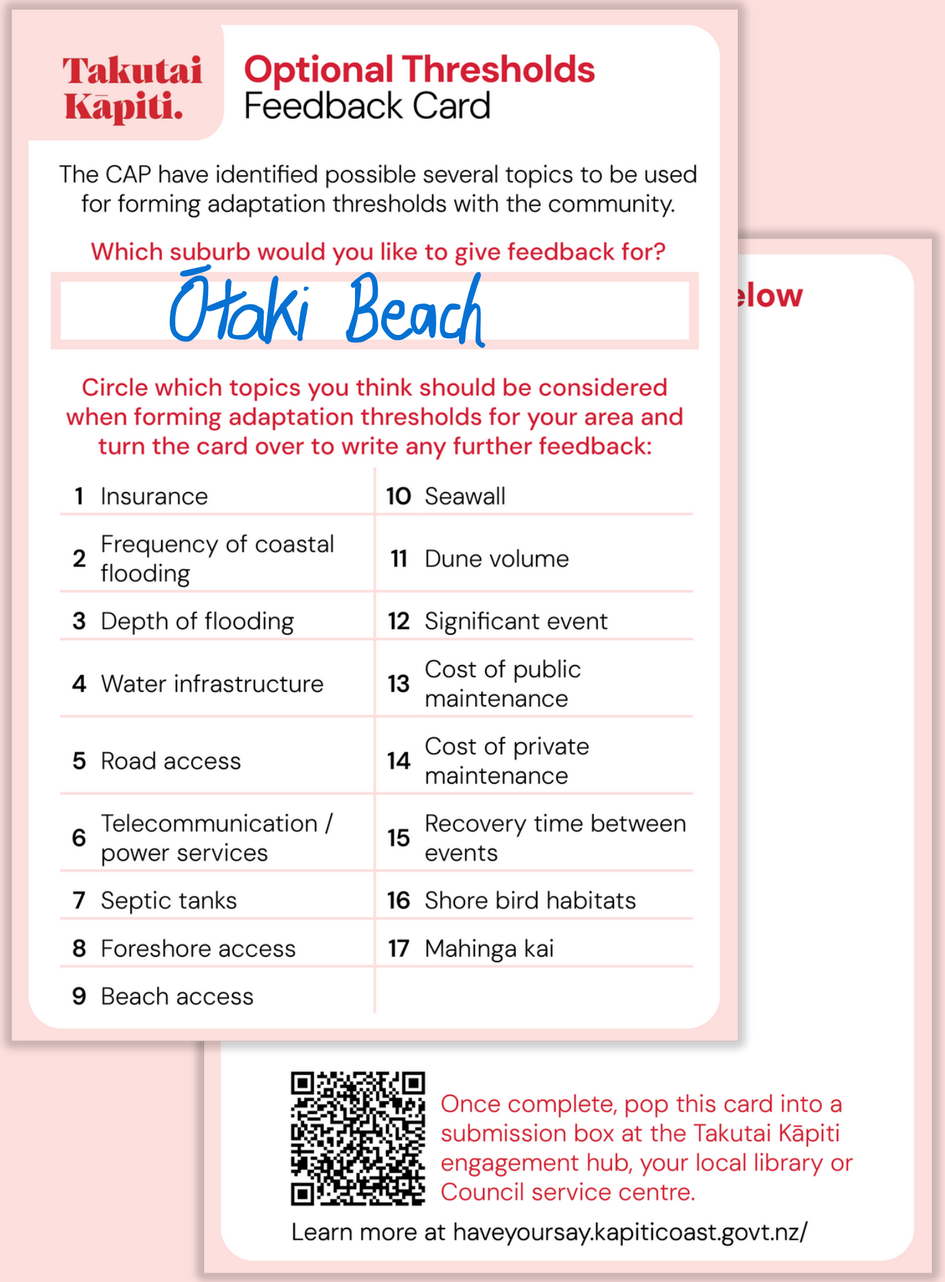
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Ōtaki Beach

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1	Insurance	10	Seawall
2	Frequency of coastal flooding	11	Dune volume
3	Depth of flooding	12	Significant event
4	Water infrastructure	13	Cost of public maintenance
5	Road access	14	Cost of private maintenance
6	Telecommunication / power services	15	Recovery time between events
7	Septic tanks	16	Shore bird habitats
8	Foreshore access	17	Mahinga kai
9	Beach access		

elow

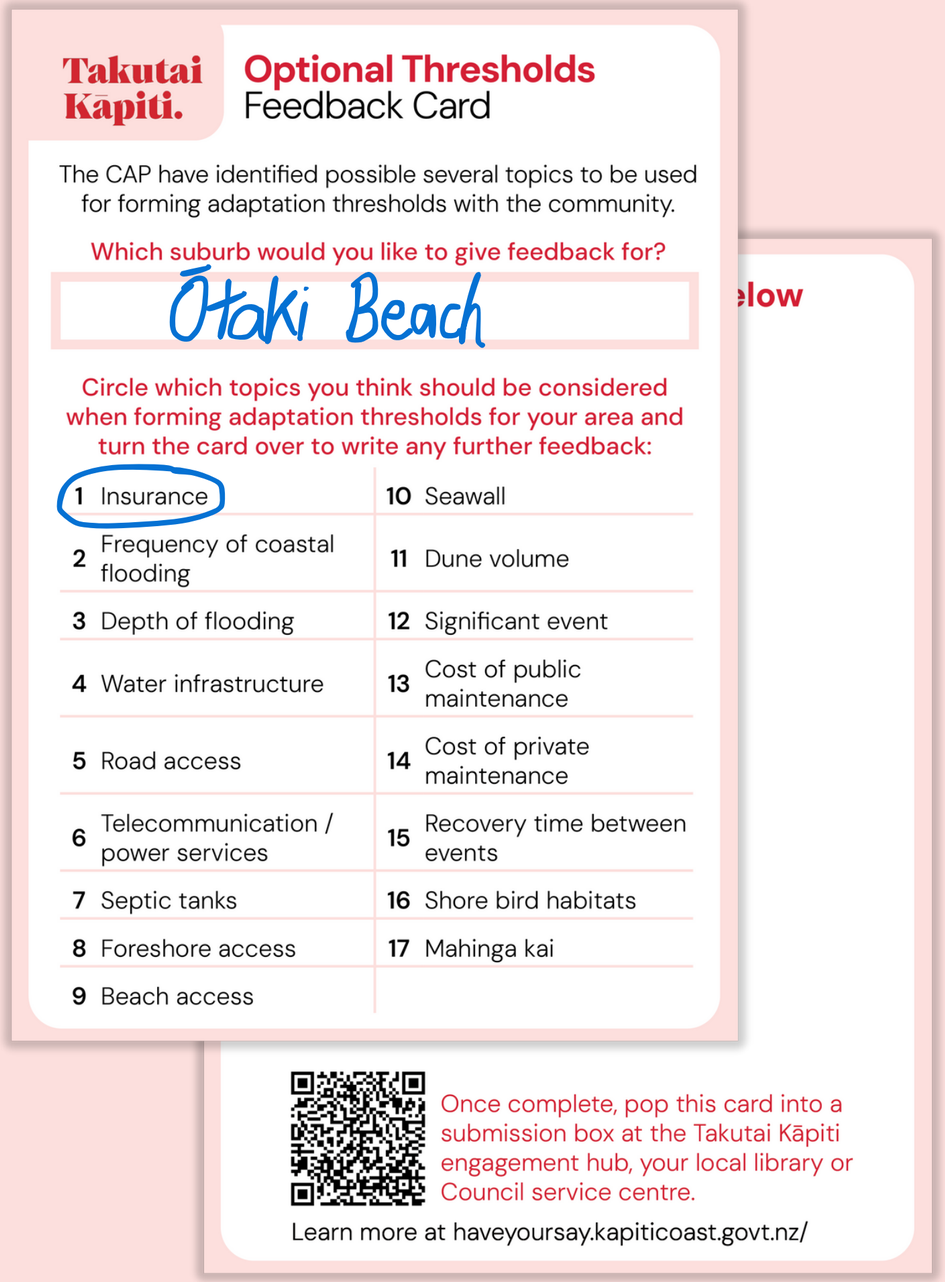
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Ōtaki Beach

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1	Insurance	10	Seawall
2	Frequency of coastal flooding	11	Dune volume
3	Depth of flooding	12	Significant event
4	Water infrastructure	13	Cost of public maintenance
5	Road access	14	Cost of private maintenance
6	Telecommunication / power services	15	Recovery time between events
7	Septic tanks	16	Shore bird habitats
8	Foreshore access	17	Mahinga kai
9	Beach access		

elow

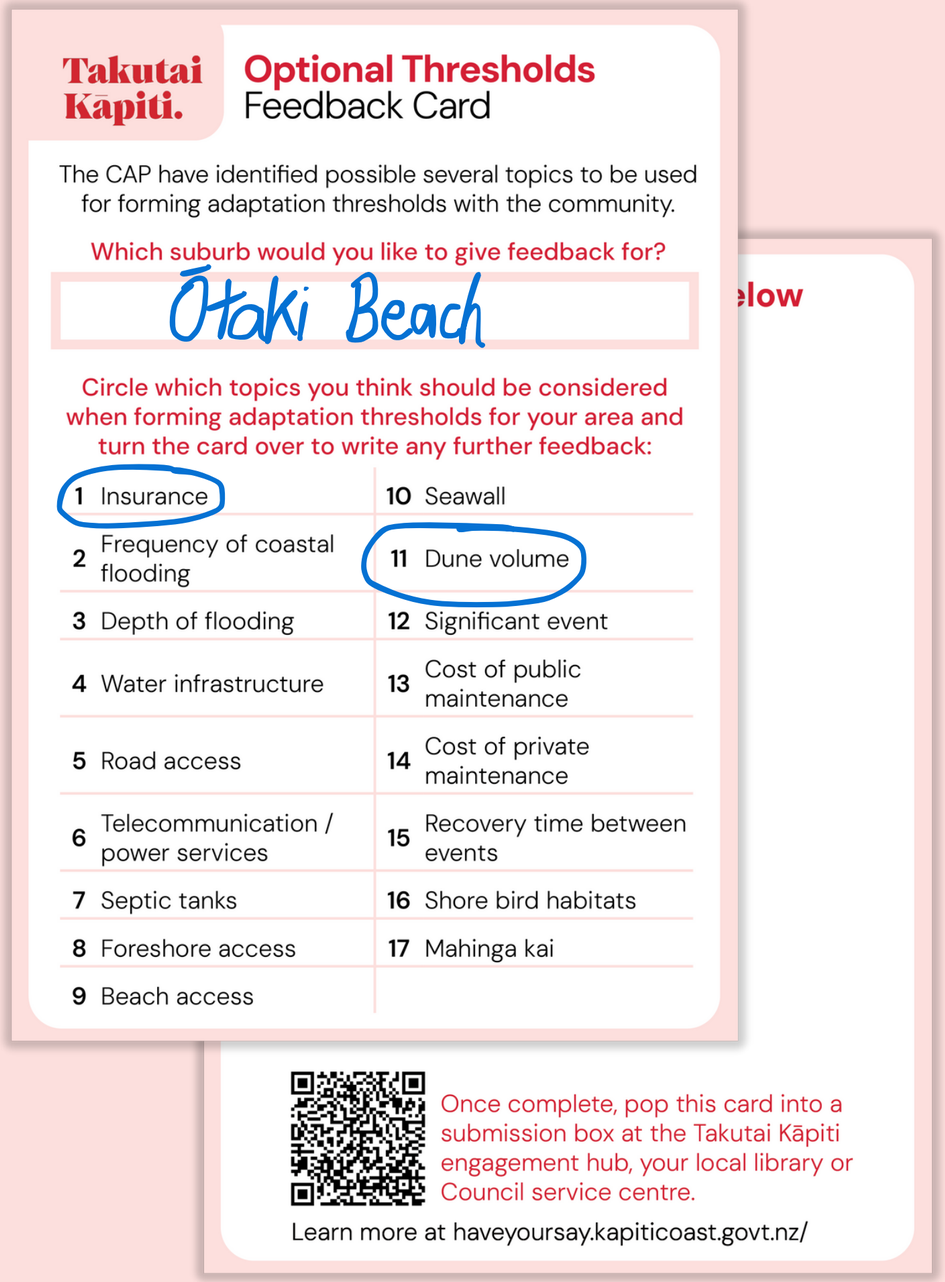
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Ōtaki Beach

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1 Insurance	10 Seawall
2 Frequency of coastal flooding	11 Dune volume
3 Depth of flooding	12 Significant event
4 Water infrastructure	13 Cost of public maintenance
5 Road access	14 Cost of private maintenance
6 Telecommunication / power services	15 Recovery time between events
7 Septic tanks	16 Shore bird habitats
8 Foreshore access	17 Mahinga kai
9 Beach access	

elow

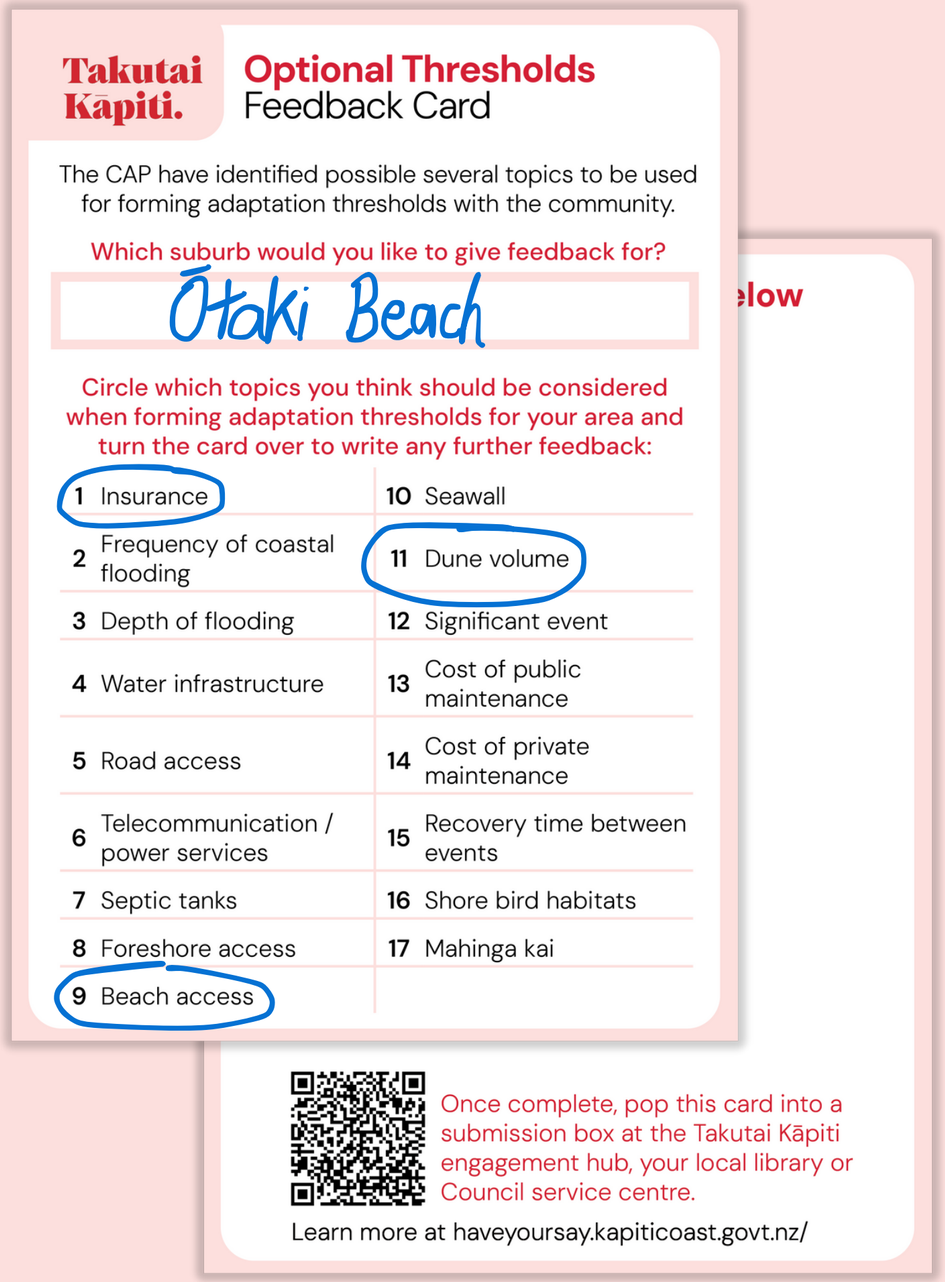
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Ōtaki Beach

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1 Insurance	10 Seawall
2 Frequency of coastal flooding	11 Dune volume
3 Depth of flooding	12 Significant event
4 Water infrastructure	13 Cost of public maintenance
5 Road access	14 Cost of private maintenance
6 Telecommunication / power services	15 Recovery time between events
7 Septic tanks	16 Shore bird habitats
8 Foreshore access	17 Mahinga kai
9 Beach access	

elow

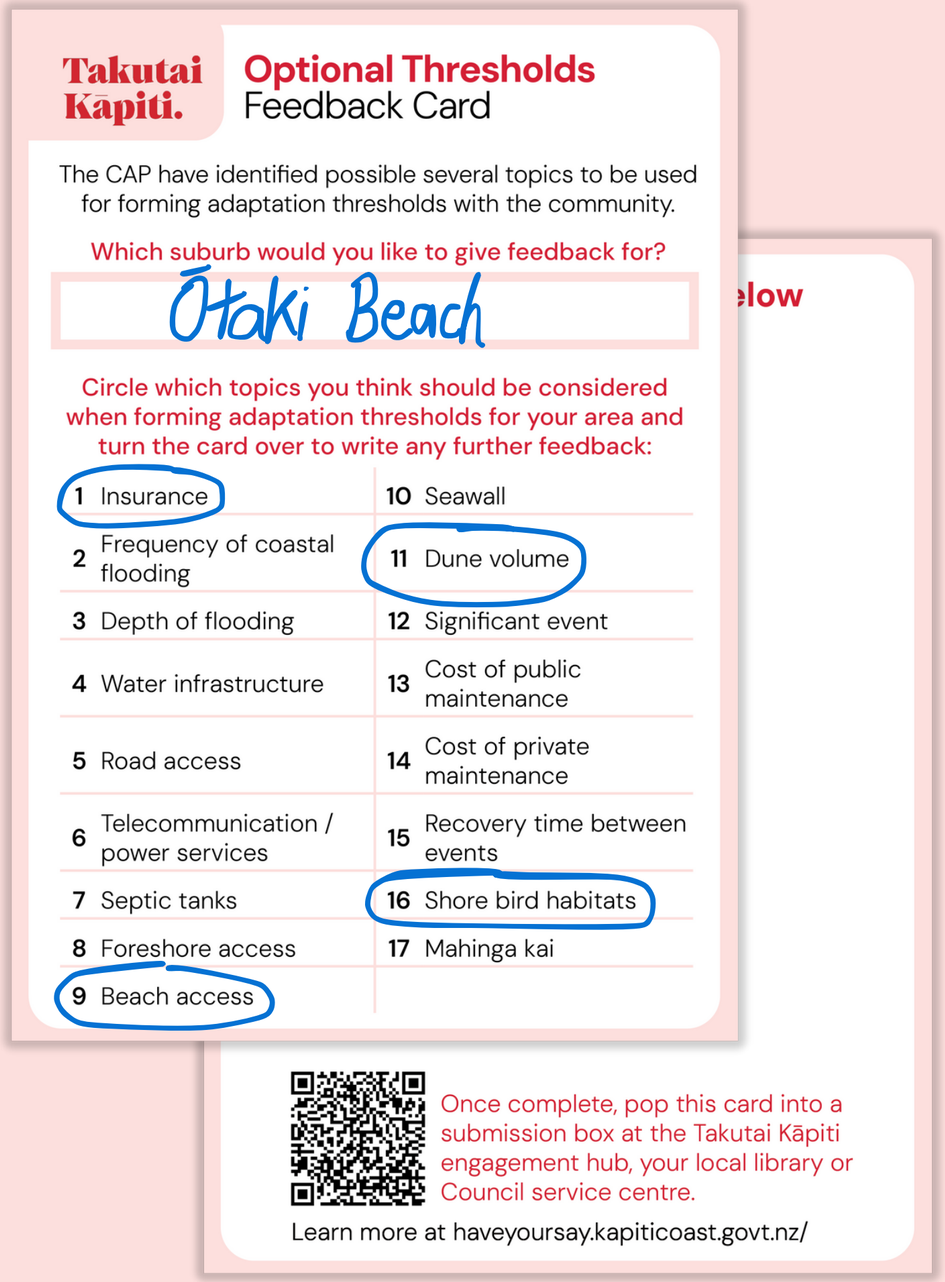
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Optional thresholds

You can give your feedback online through the Have Your Say survey or by completing one of these cards found at the Takutai Kāpiti pop-ups.

Fill out which suburb you would like to give feedback for, circle all the topics you think should be considered when forming thresholds with the community, and turn over the card for more space to leave your thoughts before dropping it into a submission box.



Takutai Kāpiti.

Optional Thresholds
Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Ōtaki Beach

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1 Insurance	10 Seawall
2 Frequency of coastal flooding	11 Dune volume
3 Depth of flooding	12 Significant event
4 Water infrastructure	13 Cost of public maintenance
5 Road access	14 Cost of private maintenance
6 Telecommunication / power services	15 Recovery time between events
7 Septic tanks	16 Shore bird habitats
8 Foreshore access	17 Mahinga kai
9 Beach access	

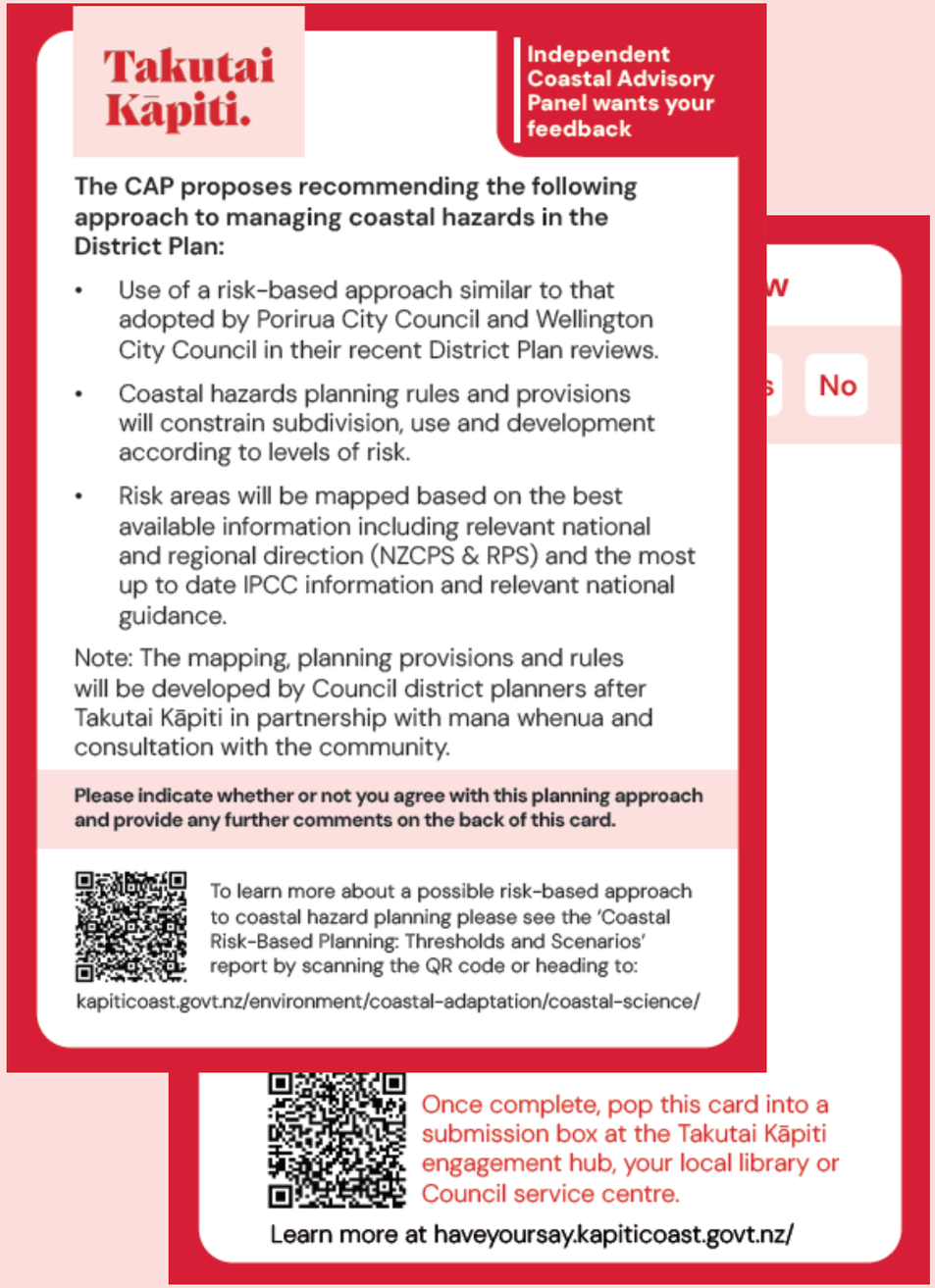
Once complete, pop this card into a submission box at the Takutai Kāpiti engagement hub, your local library or Council service centre.

Learn more at haveyoursay.kapiticoast.govt.nz/

Risk-based planning approach

The CAP proposes recommending an approach to managing coastal hazards in the District Plan and would like your feedback on whether you agree with this.

You can give your feedback through the Have Your Say survey or complete one of these feedback cards available at the Takutai Kāpiti pop-ups and drop it into a submission box.

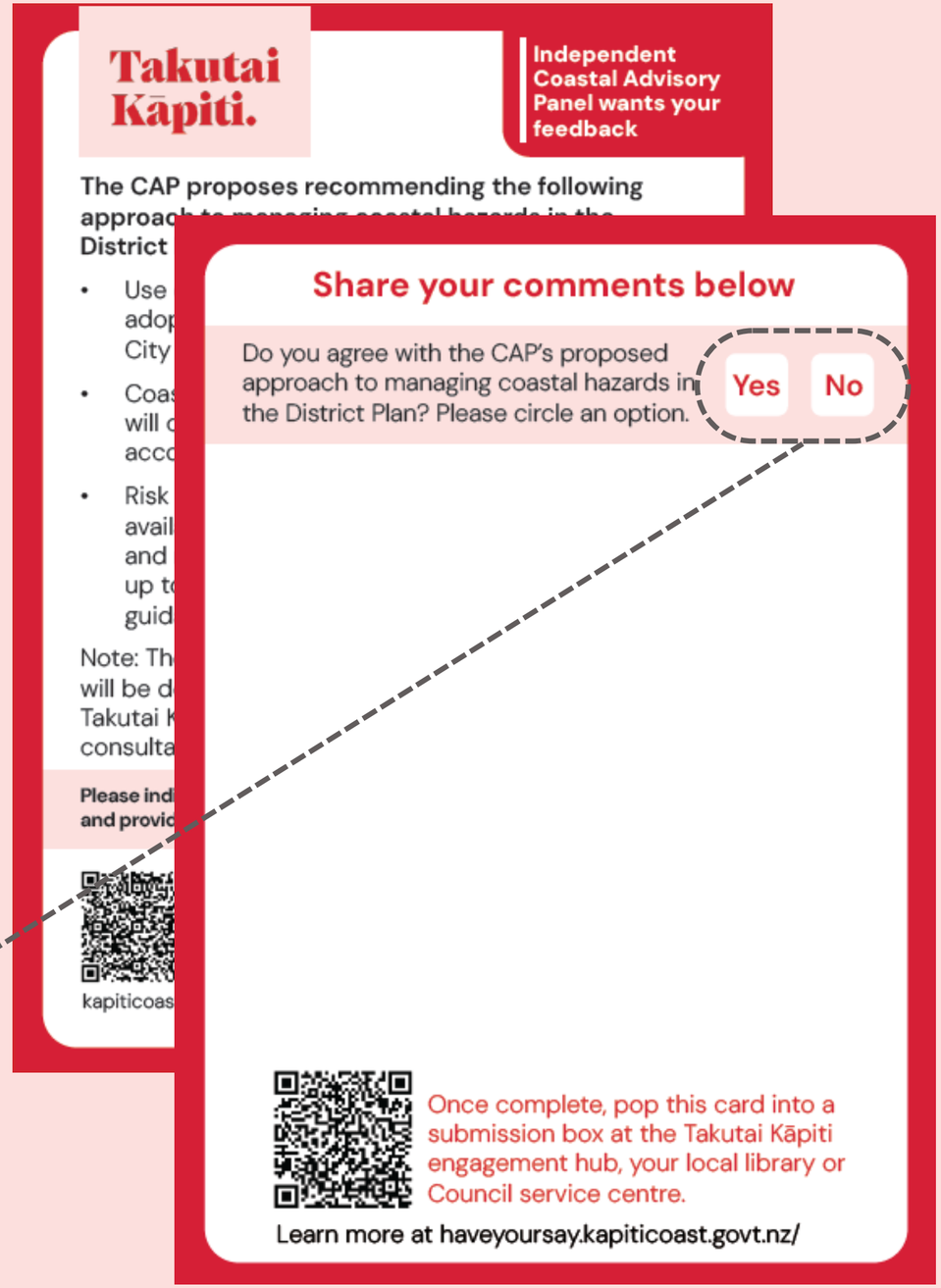


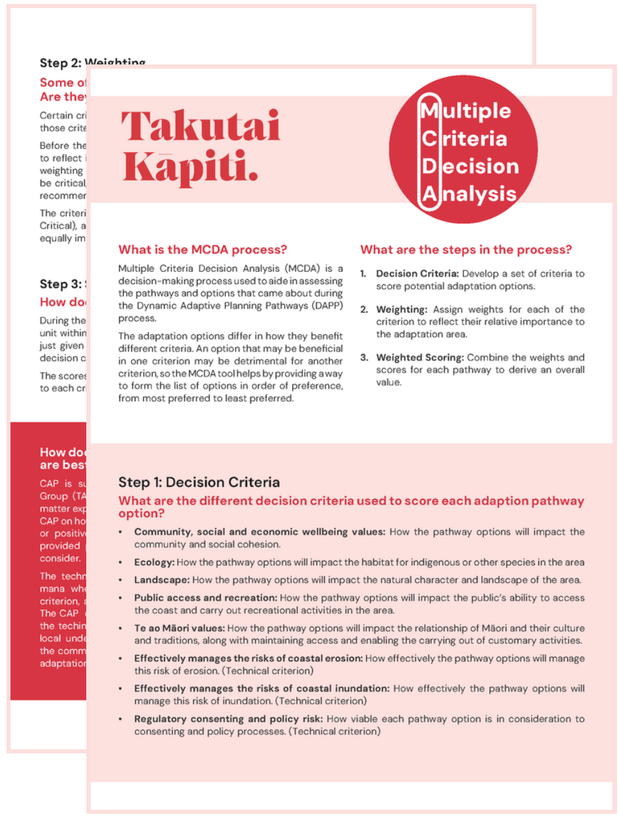
Risk-based planning approach

The CAP proposes recommending an approach to managing coastal hazards in the District Plan and would like your feedback on whether you agree with this.

You can give your feedback through the Have Your Say survey or complete one of these feedback cards available at the Takutai Kāpiti pop-ups and drop it into a submission box.

Please indicate your feedback on the back of the card where there is also space for any further comments you would like to add.





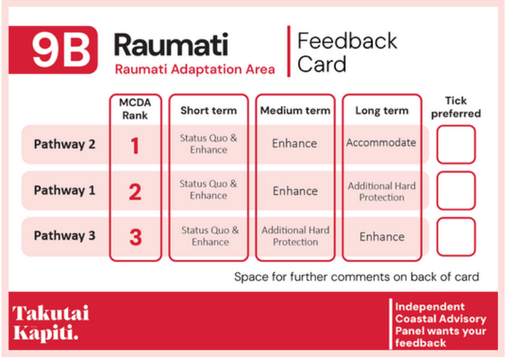
Other materials

There is a lot of information that has been prepared to help the Coastal Advisory Panel and the community understand the issues they are considering.

We have also prepared some fact sheets to aid understanding of the processes involved in this project and the coastal hazards that apply to each area. These are available on the Takutai Kāpiti website with printed copies available at the Takutai Kāpiti pop-ups.

Where to Have Your Say

Scan the QR code to head to the Takutai Kāpiti Have Your Say survey or visit: https://haveyoursay.kapiticoast.govt.nz/coastal

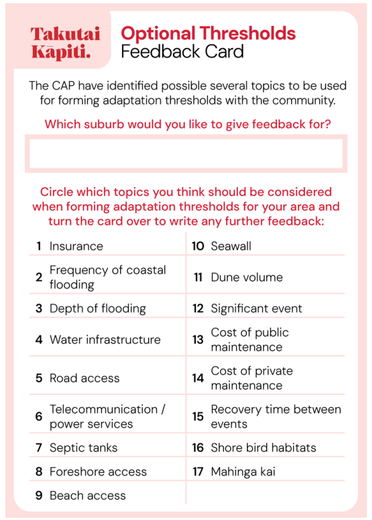


9B Raumati
Raumati Adaptation Area
Feedback Card

	MCDA Rank	Short term	Medium term	Long term	Tick preferred
Pathway 2	1	Status Quo & Enhance	Enhance	Accommodate	
Pathway 1	2	Status Quo & Enhance	Enhance	Additional Hard Protection	
Pathway 3	3	Status Quo & Enhance	Additional Hard Protection	Enhance	

Space for further comments on back of card

Takutai Kāpiti. Independent Coastal Advisory Panel wants your feedback



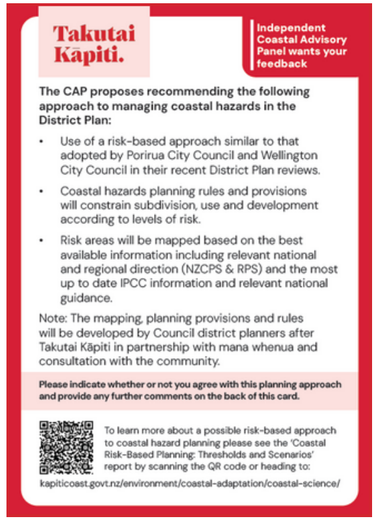
Takutai Kāpiti. Optional Thresholds Feedback Card

The CAP have identified possible several topics to be used for forming adaptation thresholds with the community.

Which suburb would you like to give feedback for?

Circle which topics you think should be considered when forming adaptation thresholds for your area and turn the card over to write any further feedback:

1	Insurance	10	Seawall
2	Frequency of coastal flooding	11	Dune volume
3	Depth of flooding	12	Significant event
4	Water infrastructure	13	Cost of public maintenance
5	Road access	14	Cost of private maintenance
6	Telecommunication / power services	15	Recovery time between events
7	Septic tanks	16	Shore bird habitats
8	Foreshore access	17	Mahinga kai
9	Beach access		



Takutai Kāpiti. Independent Coastal Advisory Panel wants your feedback

The CAP proposes recommending the following approach to managing coastal hazards in the District Plan:

- Use of a risk-based approach similar to that adopted by Porirua City Council and Wellington City Council in their recent District Plan reviews.
- Coastal hazards planning rules and provisions will constrain subdivision, use and development according to levels of risk.
- Risk areas will be mapped based on the best available information including relevant national and regional direction (NZCPS & RPS) and the most up to date IPCC information and relevant national guidance.

Note: The mapping, planning provisions and rules will be developed by Council district planners after Takutai Kāpiti in partnership with mana whenua and consultation with the community.

Please indicate whether or not you agree with this planning approach and provide any further comments on the back of this card.

To learn more about a possible risk-based approach to coastal hazard planning please see the 'Coastal Risk-Based Planning: Thresholds and Scenarios' report by scanning the QR code or heading to:
kapiticoast.govt.nz/environment/coastal-adaptation/coastal-science/

Upcoming pop-ups

Coastlands Aquatic Centre
10 Brett Ambler Way, Paraparaumu
Friday 19 April, 2024: 10am - 12pm

Paekākāriki Bowling Club
10 Wellington Road, Paekākāriki
Monday 22 April, 2024: 1pm - 3pm

Ōtaki Library
Corner Main Street and 13 Aotaki Street, Ōtaki
Wednesday 24 April, 2024: 1pm - 3pm

Takutai Kāpiti.

Pop-Up Material