ORDINARY MEETING

OF

MAKARA/OHARIU COMMUNITY BOARD

MINUTE ITEM ATTACHMENTS

Time:	7:00pm
Date:	Thursday, 29 November 2018
Venue:	Makara Community Hall
	366 Makara Road
	101 Wakefield Street
	Wellington

Business

Page No.

2 Oral Reports

- 2.1 Community-Led Climate Adaptation Plan
- 2.3 2018 November 29 MOCB Chairperson's Report

RESILIENT

2.1 Community-Led Climate Adaption Plan

Makara Beach Project

Criteria	Description	Scoring Guide	
Manages the risks of	Reduced exposure to risks from inundation	5 – High / Good	
inundation	Meets objectives over long timeframes	4 -	
		3 – Mid	
	Proportionate to the scale and nature of risk	2 -	
		1 - Low / Bad	
Manages the risks of	Reduced exposure to risks from erosion	5 – High / Good	
erosion	Meets objectives over long timeframes	4 -	
	Proportionate to the scale and nature of risk	3 – Mid	
	Proportionate to the scale and nature of hard	2-	
		1 - Low / Bad	
Ability to adapt to	Readily responds to uncertain climate outcomes	5 – High / Good	
increasing risks	Includes measures to support future adjustments	4 -	
		3 – Mid	
		2 -	
		1 - Low / Bad	
Risk transfer	Exacerbation of hazard risk in other areas	5 - Low / Good	
	The transfer of risk to others, including future generations	4-	
		3 – Mid 2 –	
		2 – 1 – High / Bad	
Socio-economic Impacts	Social effects e.g.	5 – Low / Good	
Makara Community		4 -	
manara oonninanny	Effects on community safety	3 – Mid	
	Loss of amenity value	2 -	
	Decline in recreational values	1 - High / Bad	
Socio-economic Impacts	Social effects e.g.	5 – Low / Good	
Greater Wellington		4 -	
Community	Loss of amenity value	3 – Mid	
	Decline in recreational values	2 -	
	Indirect economic / industry impacts (e.g. tourism, fishing)	1 - High / Bad	
Relationship of Maori and	Impacts on any cultural sites of significance	5 – Low / Good	
their culture and traditions	Maintains access to, and enables the carrying out of,	4 -	
with their ancestral lands,	customary activities	3 – Mid	
water, sites, waahi tapu,	sesses and parameters a	2 -	
and other taonga		1 – High / Bad	
Natural Environments	Impacts on natural ecosystems	5 - Low / Good	
Impacts	Impacts on the natural character of the coastal environment	4 -	
	ingeste on the network chereforer of the constant environment	3 – Mid	
		2 -	
		1 - High / Bad	

MAKARA/OHARIU COMMUNITY BOARD 29 NOVEMBER 2018

Makara Bea	ch Project	Resident
How we've ranked o	our values. 1	= Important 2 = Very Important 3 = Critical
What's Important	How Important is it (1-3)	Reasons
Manages the risks of inundation	3	 The absence of inundation makes the community liveable and this factor is mission critical for meeting the objective. Inundation is the most immediate risk for the Makara Beach
		Community from climate change
Manages the risks of erosion	3	 Failing to manage the risk of erosion will result in the degradation of the walkway – high value recreational asset
		 Loss of amenity and key reason for visitors
		 Inhibit fishing accessibility
		Exacerbate risk of inundation (e.g. erode defences)
Ability to adapt to increasing risks	2	 While important, the ability to alter chosen adaptation actions is not as important as protecting the community from negative impacts
Risk transfer	2	Nobody should be worse off than maintaining status quo
		Base level of risk transfer minimisation exists through legislation
Socio-economic Impacts Makara Community	3	 Protection of the Makara Beach Community is mission critical for meeting our objective
		 People – reflects the essence of how our community works together in tough times, and socialises together in good times
		 Avoiding negative impacts on property values
Socio-economic Impacts Greater Wellington Community	2	 Key recreation location and destination for Karori and greater Wellington residents – families and other users e.g. walkers/fishers/divers
		 Unique character – Makara Beach only north-facing beach in Wellington; affords South Island and windfarm views
		Tourism location e.g. campervans
Relationship of Maori	2	 Preserving historical values/history/respect for past
and their culture and traditions with their ancestral lands, water, sites, waahi tapu, and other taonga		 Protecting environmental values will flow on to a level of respect for cultural values
		 Access to Kai and Kai Moana e.g. tuna, whitebait, paua, watercress
Natural Environments Impacts	3	 Protect flora/fauna e.g. shag colony, fish spawning, whitebait, native plants
		 Significant wetlands for Wellington city
		 Essence of natural setting – key reason for desirable living location
		 Natural environment education opportunities

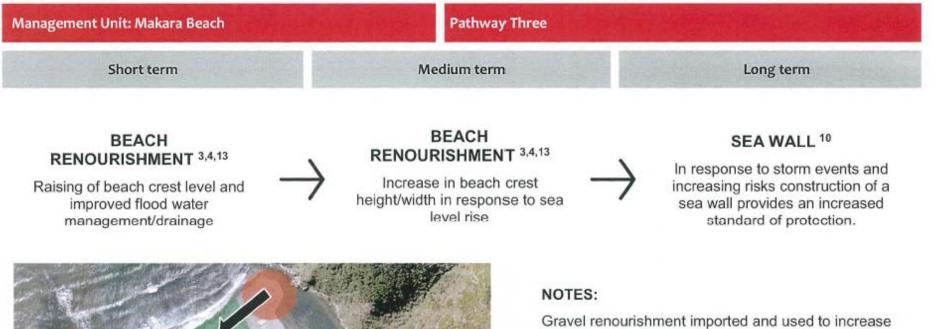
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Makara Beach MCDA Pathway Results _ Final

Management Unit	Pathway Number	Short Term	Medium Term	Long Term	Score	Ranking
Makara Beach	One	Beach Recycling / Flood Management	Inundation Accommodation/ Managed Retreat	Managed Retreat	44	6
Makara Beach	Two	Beach Renourishment	Beach Renourishment	Managed Retreat	73	2
Makara Beach	Three	Beach Renourishment	Beach Renourishment	Sea Wall	81	1
Makara Beach	Four	Earth Bund / Stop Bank	Earth Bund / Stop Bank	Managed Retreat	57	4
Makara Beach	Five	Sea Wall	Sea Wall	Managed Retreat	45	5
Makara Beach	Six	Sea Wall	Sea Wall	Sea Wall	58	3
Makara Beach	Seven	Rock Revetment	Rock Revetment	Managed Retreat	36	7
Makara Stream Lower Estuary	One	Status Quo / Mouth Maintenance	Status Quo / Mouth Maintenance	Managed Retreat	53	6
Makara Stream Lower Estuary	Two	Rock Groyne	Rock Groyne	Managed Retreat	62	4
Makara Stream Lower Estuary	Three	Status Quo / Mouth Maintenance	River Bank Reinforcement + wall	Managed Retreat	59	5
Makara Stream Lower Estuary	Four	Status Quo / Mouth Maintenance	River Bank Reinforcement + wall	River Bank Reinforcement + wall	71	1
Makara Stream Lower Estuary	Five	Rock Groyne	Rock Groyne	River Bank Reinforcement + wall	67	2
Makara Stream Lower Estuary	Six	Status Quo / Mouth Maintenance	Raise Ground Levels + River Bank reinforcement	Raise Ground Levels + River Bank Reinforcement	64	3
Makara Walkway	One	Status Quo	Low Tide Access Only	Low Tide Access Only	40	4
Makara Walkway	Two	Status Quo + Alternative Route	Alternative Route + Low Tide Access Only	Alternative Route + Low Tide Access Only	82	1
Makara Walkway	Three	Rock Revetment	Rock Revetment	Managed Retreat	52	3
Makara Walkway	Four	Rock Revetment	Rock Revetment	Rock Revetment	60	2

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MAKARA BEACH CLIMATE CHANGE ADAPTATION STRATEGY



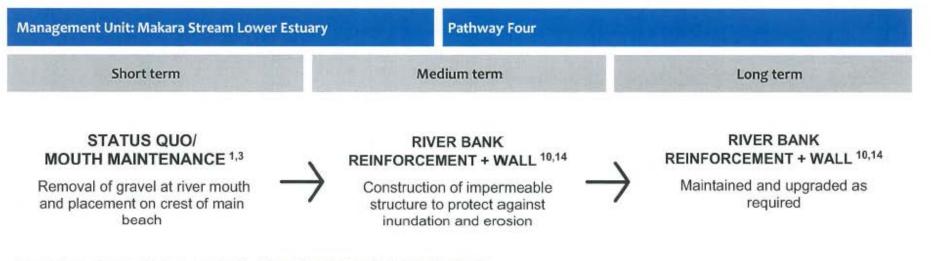
Shingle Placement Flood Watter Management Sea Wall

Gravel renourishment imported and used to increase the height and width of the beach crest providing increased protection in storm events. Additional replenishments and beach maintenance conducted as required.

In the medium term risks increase with sea level rise and the size of the beach crest will need to be increased in order to maintain the same standard of protection.

Sea level rise over the longer term would require an ever increasing supply of gravel with increasing residual risks in the event of failure. In response to this a sea wall would be constructed, reducing the requirement for nourishment and providing a better standard of protection. Absolutely Positively Wellington City Council Me Heke Ki Põneke

MAKARA BEACH CLIMATE CHANGE ADAPTATION STRATEGY





NOTES:

Gravel at mouth of river removed on a regular basis, and prior to storms, and placed on crest of adjacent beach. Results in improved rate of flow and reduction in flood levels during flood events.

In the medium term construction of a wall and river bank reinforcement to prevent direct inundation from the river during large flood events. This may also require storm water management and pumping of water that accumulates on the landward side of the wall as a result of rainfall.

Boat ramp to be built in to design.

River wall maintained and upgraded as required in response to sea level rise, climate change and increasing risk.

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MAKARA BEACH CLIMATE CHANGE ADAPTATION STRATEGY





NOTES:

In the short term minor maintenance to the track where appropriate.

Continued erosion of the cliff toe will result in the track becoming unusable, at this point access will only be possible along the beach at low tide or in calm conditions.

In response to the loss of the walkway an alternative overland track could be created originating at Makara Beach and joining the existing walkway further along the coast. This would provide access when the beach route is not available due to high tide and/or stormy conditions.

Would require landowner consent.

2.3 2018 November 29 – Makara Ohariu Community Board - Chairperson's Report

- 1. Planning for Growth Sent to Board for comments.
- Assisting Makara School to facilitate move of former Makara School down to current school site – shift now moved to Easter School Holidays due mainly to Brittens Movers being unavailable. Meetings with WCC, School to finalise decision to move building. Funding for the move now confirmed by School. Funding assistance also coming from WCC to complete archaeological report and requirements from Historic Places Trust.
- 3. Email received from Newlands Coach Service regarding Ohariu Valley Rural School Bus Service discuss at meeting.
- 4. Major outage of Power Monday 26 November 4.30 pm-11.00 pm.
- 5. Meetings with WCC, Makara Beach Group, DoC, GRWC, and others regarding Cyclone Gita February 2018 now concluded. Report to follow on decisions made, and when some of the repairs can be done. Details to be forwarded to community once received. Concern regarding when this can occur, as beach residents made comment that "they are still in the same position now as they were after the damage done" Request to Council to do some work as soon as possible.
- 6. Major trapping programme started to rid SW Wellington of mustelids Predator Free 2050 programme. Traps are visible on tracks at Meridian Westwind farm. Makaracarpas group also starting their own local group to take responsibility. From an email, we have received many responses from residents in Makara (and Ohariu?) who wish to get involved in this. Kinnoul, Terawhiti and Long Gully station owners also involved.
- 7. Request from local resident at beach to have picnic tables, plus some children's play equipment put at the Estuary to assist with better use of lawn area there and help with reduction of cars at beach by perhaps putting some additional car parking there. Who is person to contact regarding this? What is view of Board?