



## Minutes of a meeting of the Clifton to Tangoio Coastal Hazards Strategy Joint Committee

**Date:** Friday 5 July 2024

**Time:** 10.00am

**Venue:** Council Chamber  
Hawke's Bay Regional Council  
159 Dalton Street  
NAPIER

**Present:** Cr H Browne (NCC) (Acting Chair)  
Cr A Corban  
Cr M Dixon (HDC)  
Cr X Harding (HBRC)  
T Hopmans (Maungaharuru-Tangitū Trust) (*from 10:35 am*)  
Cr C Lambert (HBRC) (*online from 10:06 am*)  
N Hanley (Tamatea Pōkai Whenua)  
Cr H Montaperto-Hendry (HDC)  
Cr N Simpson (NCC)  
Cr S Siers (HBRC) (*online*)

**In Attendance:** S Bendall – Traverse Environmental, Project Manager  
T Munro – Te Pou Whakarae  
J Albuquerque – HBRC, Coastal Specialist, Engineering Team  
M Clews – HDC  
L Hooper – HBRC Governance Team Leader  
P Jones – Partner, PJ & Associates  
A Ward – HBRC Governance Advisor

## 1. Welcome/Karakia /Apologies

The Acting Chair, Napier City Councillor Hayley Browne, welcomed everyone and Te Wairama Munro offered a karakia to open the meeting.

Hastings District Councillor Hana Montaperto-Hendry, was welcomed to her first meeting as a Hastings District Council representative, replacing Ann Redstone on the joint committee.

### Resolution

CLI64/24 That the apologies for absence from councillors Jerf van Beek, Keith Price, and Tania Kerr be accepted.

**Browne/Dixon  
CARRIED**

## 2. Conflict of interest declarations

There were no conflicts of interest declared.

### Minor matters not on the agenda

1. Simon Bendall – Dr João Albuquerque (HBRC Coastal Specialist) will give a presentation about the 25-26 June weather event later in the meeting.
2. Hayley Browne – a scheduled engagement with mana whenua on 4 July at Matahiwi Marae was postponed and will be rescheduled as soon as possible.

## 3. Confirmation of Minutes of the Clifton to Tangoio Coastal Hazards Strategy Joint Committee meeting held on 14 June 2024

### CLI65/24 Resolution

Minutes of the Clifton to Tangoio Coastal Hazards Strategy Joint Committee meeting held on Friday, 14 June 2024, a copy having been circulated prior to the meeting, were taken as read and confirmed as a true and correct record.

**Simpson/Dixon  
CARRIED**

*HBRC Councillor Charles Lambert joined online at 10.06 am.*

## 4. Te Awanga erosion issues: Technical Advisory Group (TAG) review

Simon Bendall introduced Dr João Albuquerque, HBRC's Coastal Specialist, who spoke to the item. Discussions covered:

- HDC has agreed to fund the first stage of the Ecoreef project and is looking to progress to the resource consent application stage. The regional council will be the regulatory decision maker in this process.
- As the Ecoreef approach diverges from the pathway proposed by the Coastal Hazards Strategy, a high-level assessment was carried out by TAG which concluded that there appears to be a good alignment between the Ecoreef and the strategy.
- There was general agreement that the Ecoreef project should proceed with urgency due to the danger posed by future events, particularly to the stormwater system.
- The strategy is long-term (approx. 100 years), and projects like Ecoreef can be considered as long as they don't jeopardise the strategy and the community panels' recommendations.

### CLI66/24 Resolutions

That the Clifton to Tangoio Coastal Hazards Strategy Joint Committee receives and notes the *Te Awanga erosion issues: Technical Advisory Group (TAG) review* staff report.

**Corban/Harding  
CARRIED**

## 5. Project Manager's July 2024 update

Simon Bendall introduced the item, which was taken as read, and discussions included:

- There were no changes in the project dashboard since the last meeting.
- Timeline for adoption and implementation of the strategy remains the key risk due to continued delays, challenges for HBRC sequencing various consultations and the impacts of recent flooding events on staff capacity.
- HBRC has made a decision to defer the strategy consultation to March 2025 given the range of other significant matters that HBRC is working through with communities.
- Concerns about the continued delays were expressed, noting community concerns about the time taken to reach this point and previous delays.
- It was agreed that HBRC would be approached to request that the strategy consultation not be delayed beyond March 2025.
- The Maturanga Māori workstream remains under stress with capacity constraints limiting tangata whenua's ability to engage, however, an external contractor has been engaged to provide expertise and capacity and is working to draft a cultural values framework based on existing and available information. These will need to be endorsed by the relevant PSGEs before progressing any further.

CLI67/24

### Resolutions

That the Clifton to Tangoio Coastal Hazards Strategy Joint Committee:

1. Receives and notes the Project Manager's July 2024 update.
2. Requests that HBRC does not delay consultation on the Clifton to Tangoio Coastal Hazards Strategy beyond March 2025, citing reasons including community responsiveness, the time taken to reach this point and the number of previous delays.

Dixon/Simpson  
CARRIED

## 6. Current Coastal Projects Update

Simon Bendall introduced the item, which was taken as read, and discussions covered:

- Questions were raised about how often the Maraetotara River mouth is cleared, how regularly it should be cleared and whether the river is being cleared in the right direction.
- A written report on management of the Maraetotara River mouth was requested.

CLI68/24

### Resolutions

That the Clifton to Tangoio Coastal Hazards Strategy Joint Committee:

1. Receives and notes the *Current coastal projects update*.
2. Requests that a written report about Maraetotara River mouth management is provided to the Joint Committee.

Simpson/Dixon  
CARRIED

## 7. Follow-ups from previous meetings

Simon Bendall provided a brief update, focusing on the Maturanga Māori workstream, and elaborated on the challenges of compiling the information and steps being taken to ensure there is comprehensive documentation.

CLI69/24

### Resolution

That the Clifton to Tangoio Coastal Hazards Strategy Joint Committee receives and notes the *Update on follow-ups from previous meetings*.

Harding/Simpson  
CARRIED

*Tania Hopmans arrived at 10:35 am*

**8. Minor items not on the agenda**

Dr Albuquerque presented (**attached**) an assessment of the recent weather event. Key points included:

- A detailed wave forecast and analysis of the event, noting that the swell wave height was slightly larger than a 1-in-50-year event.
- Detailed impacts on various coastal areas, including flooding, overtopping, and erosion.
- Before and after comparisons of various coastal locations.

**Closure:**

There being no further business the Chair declared the meeting closed at 10.58am on 5 July 2024

Signed as a true and correct record.

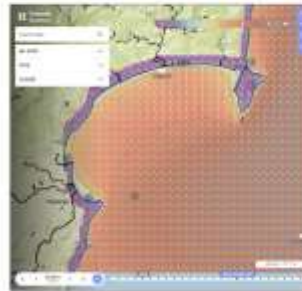
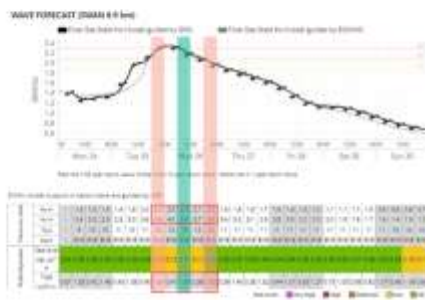
**Date:** by CTCHS Joint Committee resolution 9 August 2024      **Chair:** Jerf van Beek

# Westshore to Haumoana Swell Assessment

João Albuquerque – Coastal Specialist



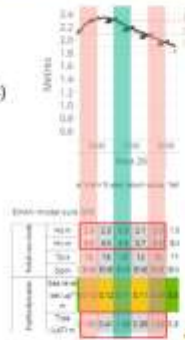
## Wave forecast for Haumoana



This is an overview of the event where on this line plot we can see the forecast timeline. So basically we had three events with risk of coastal inundation over 36 hours. The highlighted columns show the most critical hours for coastal inundation as that's when the high tide coincides with large wave heights, adding to that, we also had an increase of the sea level due to wave activity. On the right side of the slide, we have a map that shows the wave height and direction throughout the life of the peak of the swell. Due to the swell direction, a lot of the wave energy reflected towards Cape Kidnappers and we had little to no protection from its landward.

## Key swell information

- Wave height larger than 50-year average recurrence interval (ARI)
- 5-year to 50-year ARI is only 0.2 m, so not too significant
- ARI Statistics generated by a wave model, so not as reliable
- PoN retrieved its wave buoys before the swell peak
- Critical times due to wave height and tide combination:
  - Tue 25/06 @ 8:15 pm -> swell peaking and high(er) tide
  - Wed 26/06 @ 8:45 am -> swell receding and high tide
  - Wed 26/06 @ 9:07 pm -> swell receding and high(er) tide



On the statistical characteristics of the event, this swell's wave height was slightly larger than a 1 in a 50-year event, which can cause alarm, but the difference between a 5-year event and a 50-year event is only 0.2 metres. Another thing we should be aware of is that these statistics are based on wave simulations, which are not as reliable as in situ measurements such as PoN's wave buoy data. Unfortunately PoN retrieved its wave buoys during the peak of the swell, so for now we won't be able to estimate the statistical significance of this event, but we are obviously interested into looking at its effects and gathering the information for our records.

From the critical times highlighted, it is important to note that on Wednesday night the swell receding was compensated by the high tide.

## Forecasted vs measured swell at Westshore

- Under estimated swell at Westshore
- No info from PoN buoy
- Potentially under estimated at all locations
- Measured swell peak at 10:13 pm
  - Earlier than forecasted
  - Still one hour after high tide



On what actually happened, we can see that the forecasted swell was underestimated at westshore, therefore it was potentially underestimated at all locations.

The swell arrived earlier than forecasted, but luckily it was one hour past high tide.

## Westshore



Erosion and flood (overlapping) at westshore

## Ahuriri



Debris line at Ahuriri, which is a very sheltered area

### Clive Grange Reserve



Overtopping of bund at Clive, debris and gravel pushed over the road and parking lot, campground flooded

### Haumoana



Flood, erosion and overtopping at Haumoana

### Te Awanga



Erosion of stopbank at Maratoto rivermouth, debris over the lagoon drain and next to parking lot

## Clifton



Debris on the boat club access ramp, over the motorcamp access road, erosion of the fine limestone layer on the top of the seawall and on the northern motorcamp

## Coastal flooding effects – Before & After - Clifton



Debris and beach crest pushed towards the grass patch

## Coastal flooding effects – Before & After – Te Awanga



Gravel crests eroded/pushed towards grass patch



## Coastal flooding effects – Before & After – Te Awanga



Apparent lower beach level and gravel build up near the walls

## Coastal flooding effects – Before & After – Tukutuki River



Reduced beach crest level, gravel pushed toward campground access road

## Coastal flooding effects – Before & After – Tukituki River



Reduced crest level, gravel pushed towards river