



Draft Minutes

SMP Coastal Panel Meeting 7

- Times & Dates: **Mercury Bay Coast 9:00am-12:00pm Monday 26/07/21**
- Venues: **Whitianga Council Office, Mercury Bay Community Board Room or via MS Teams**
- Chairperson: Coastal Panel Chair: **Graeme Osborne (Mercury Bay) (GO)**
TCDC – Jamie Boyle, Karen Moffatt-McLeod
- Attendees: SMP Consultant (Royal HaskoningDHV) – Sian John, Nick Lewis (via MS Teams)
Coastal Panel Members: Carrie Parker, Dave Lameson, Howard Saunders, Jamie Ryan, Jill Pierce, Kim Lawry, Christopher Devenoges
WRC - Dean Allen, Alejandro Cifuentes
Amon Martin (TCDC), Tanya Patrick (TCDC), James Hutt CP
- Apologies:

Meeting Objective

- To understand the additional work being undertaken, how this work will feed into the DAPP processes, how the approach helps manage uncertainty, and to evaluate viable options

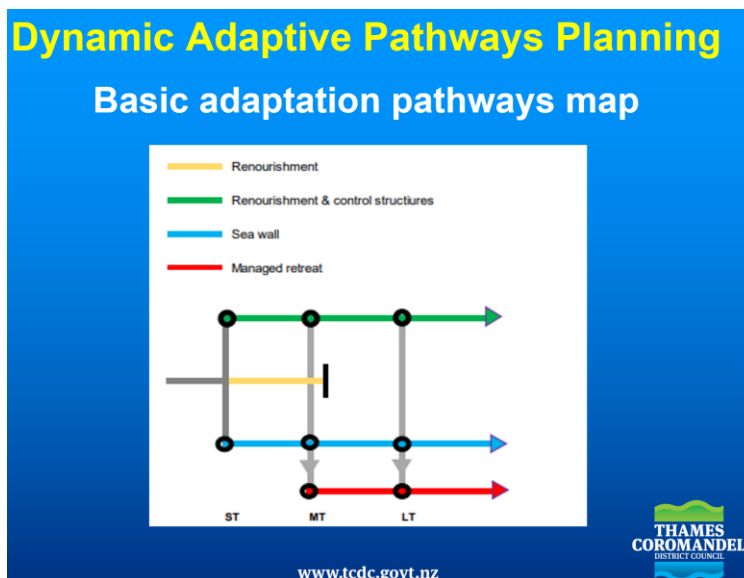
Agenda Items

1. **Welcome and introduction to the session**
2. **Review of May meeting**
 - a. Minutes – Jill raised new items to go onto the adaption menu – wasn't reflected in the minutes but has been included on the new options.
Resolution:
Minutes from May meeting confirmed as a true and accurate record of the meeting, subject to Christopher Devenoges being noted as being present. JP/CP, carried.
 - b. **Actions**
 - i. Item 9 – still waiting from WRC for timeline of historical storm events
 - ii. Items 11 & 12 complete

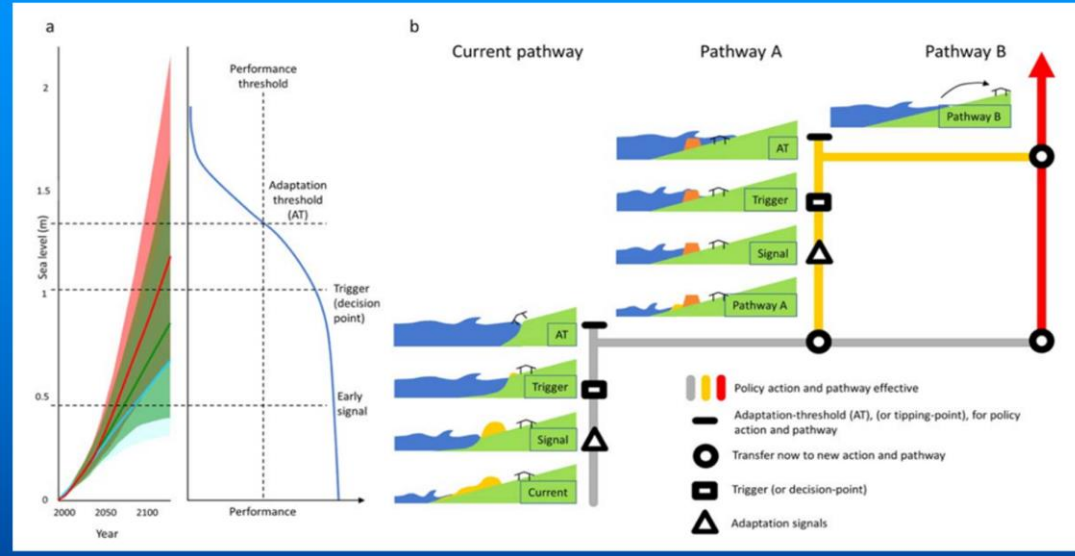
- iii. Item 13 – It was hoped that Tony Fox would be at the meeting to give an update but unfortunately Tony was having issues connecting to MS Teams. Panel believe a presentation to the Regional transport committee is needed. RTC had asked for it once more progress was made. Panel believe this needs to be raised again that they want to do the presentation in the near future.
- iv. Items 14 & 15 – completed
- v. Items 16 – Panel disappointed by response and lack of engagement from iwi to date.
Action: GO to speak with AM regarding iwi participation & talk to Joe Davis to see if there is a way of approaching this better.
- vi. Item 17 – WRC have some catchment management plans published, but not yet the Whitianga MB area. Timeline is Dec 2021 for these. DA will summarise for next meeting. Link to already published info: <https://www.waikatoregion.govt.nz/council/policy-and-plans/hazard-and-catchment-management/hcmp/>
- vii. Items 18 – 20 relate to Coromandel panel only
- viii. Remove Item 21 as it is the same as Item 17
- ix. Item 22 – completed with ‘avoid’ added to option
- x. Item 23 – action should relate to whole coromandel not just Buffalo Beach – but Buffalo Beach needs to be layered into it.

3. Refresh on the DAPP process

Panels need to come up with a plan and a strategy that can be adapted if need be in the future. Sian’s presentation gave examples on why strategies might change. Thresholds need to be identified on which mitigation decisions would be made or when a change of approach is required.



Signals to Triggers Action



Signals to trigger action slide – shows risk profile and performance of actions that could be taken. Early signals and triggers included. General pathway – do nothing, then options for action options.

By the next meeting panels need to start thinking about ‘action threshold’ at which point is it unacceptable.

Example Adaptation threshold = loss of beach access and recreation reserve (30m)

Triggers =

- Physical – flooded 60% of the time
- Social – limited access, documented effect on wellbeing
- Economic – costs of restoration/maintenance prohibitive

Signals =

- P – More frequent flooding/erosion, ponding
- S – Frequent loss of access, effect on wellbeing
- E – Increasing costs

www.tcdc.govt.nz

Example slide of what could happen

Example

"A key challenge remains to assist engineers, planners and communities to understand that successful adaptation is not just a process of picking a single number, selecting a single option for action and thus 'solving' the issue". Coastal adaptation to climate change in Aotearoa, June 2016



Slide provides examples on short to long term actions available. Signals and triggers are very important.

Coastal Panel found the last meeting to be very productive but too rushed to get through options so would prefer two meetings to move forward on the options.

It was identified that there is a need to define clearly the 'if' it happens or 'when' it happens particularly for the public consultation phase.

JP – is timing of SMP before or after climate change act comes into effect? Before – as climate change act may take several years yet to come into effect.

Need to consider in what order all this happens ... climate change act, public engagement etc. Who pays for it (e.g., managed retreat) will be a big question?

Needs to be more emphasis from planners etc on new builds that are still occurring in areas of risk/concern. Also need to consider the insurance side of things and how it will affect property values.

4. Further inundation hazard modelling outputs – illustration and update
Info from NL on 100-year scenario – lots events happening leading up to that 100 years that will have a contributory effect. Looking at everything leading up to that 100-year point.

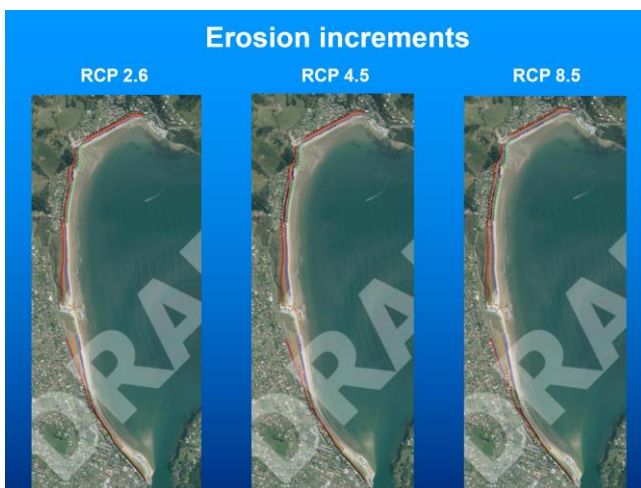
Inundation increments



Inundation increment slide:

Now 20cm increments as requested. Now on interactive tool – enables you to turn layers off and on. From this you can derive likely frequency and probability of events e.g., 1 in 100 year event, becoming 1 in 20 year event. This info will help determine signals & triggers.

5. Buffalo Beach (example) further erosion modelling outputs – illustration and update



Erosion increments slides: Different sea-level rise scenario's: RCP 2.5, 4.5, 8.5 med & 8.5 plus for some of the high-risk beaches. These will be provided online once they are all completed. Info will be tabulated (as requested by JB) on the increments. 8.5 is 100 years under 3–4-degree sea warming.

Next Steps

- Input of finer resolution data / frequency data
- Development of concept designs
- Selection of triggers and thresholds ⇒ August 2021
- Proposed pathways ⇒ Open Days ⇒ September 2021

6. Evaluation of viable options

Adaption option evaluation tables – SJ gives examples and explains how these tables work.

Option's 1 & 2 are assumed for all areas.

Procedure: Go through handout for each of the policy units and re-check and agree on the recommended options and highlight the panels preferred options.

PU97 Ohuka

GO – can we include both official and common names? This would help with readability when we revert to the community e.g. PU 97 Ohuka (Brophys).

GO – We also need to consider the natural environment in mitigation actions e.g. the synthetic sand bags (Geotextile Sand Containers) used at Brophy's Beach contain plastics, and therefore have a detrimental environmental impact.

DL – for short term solutions there is a need to consider if it is worth the cost of completing some of the options e.g. raise the road (PU 97) if this will again be impacted further through the timeline.

DA – need to change planning practices to include info on Lim reports – e.g. what the medium & long term approaches are for that area. Section 72 notice on title – for tagging new builds in high-risk areas.

For option no.11 'change planning practices' – should this be done now/short term – and revisit in the medium to long term to check they still apply.

GO – should there be an 'immediate term' response category – i.e. are there some mitigative actions that need to be done now? Rather than be categorised as 'short term'. Supported by JB.

DA – As per the brief the Panel needs to look at setting future direction, rather than what is happening now.

PU 98 Buffalo Beach North

CP - 12b is different between the two areas within that policy unit – does it imply that every building in the whole policy unit is affected? NL – answer is yes for that

policy unit, but as we move south there are some areas affected more than others so have tried to indicate where this would be applied.

Unique area with houses built on the beach side of road. Beach/sea wall being re-consented at landowner's cost. Designed for 50 years out.

10a – join 2 existing structures and extend the southern end (to take in the Boat Club)

PU 99 Buffalo Beach Reserve

GO - Are we able to move dunes/planting back (e.g, Matarangi / Pauanui examples of planting the Kenwood Drive reserve and the Pauanui beachfront reserve in dune plants?) Holding the line may be difficult where they currently are located. (Option 4 – accommodate) this should be given a greater priority. Front dune plantings have gone and now have back dune plants are on the front dunes. Replanting needs to occur. Move foot path back – alternative is to build a wall along whole frontage – this would mean the loss of the beach access.

Dune systems aren't static -they need to move naturally. Need public/council contractors/staff education on this.

What considerations are driving these decisions? Reserve width vs Dune System? What are community values? This is a public reserve (same as Pauanui).

Clear message from this meeting is to move footpath and extend dune plantings over a sea wall. Proposal will be for soft engineering solutions to be prioritised over hard engineering, although hard engineering to be retained as an option.

PU 100 Buffalo Beach South

Dune system has extended seaward with planting. High risk of inundation. Options 12a/b need to be added in.

PU 72 New Chums Beach

Should it just be 3a – no active intervention? May depend on whether the planned subdivision goes ahead – so leave as is for now.

PU 73 Whangapoua Beach North

Subdivision planned for north end. Keep options as previously discussed.

PU 74 Whangapoua Beach Estuary

Keep options as previously discussed and add option 4 – more planting could be done.

PU 75 Whangapoua Beach

10d artificial reef – not really viable as an option due to the cost and size it would need to be, plus the expertise required for this type of structure.

At the bottom end of beach there is not much room for dune planting. Managed retreat may be the best option.

50 year or sooner issue. Monitor sediment – have clear trigger/signal points.

PU 77 Whangapoua Harbour

All applicable - as previously discussed

Is raising road viable in terms of inundation? – high probability of being effective

PU 78 Matarangi Harbourside

Should 3b & 4 be included? – more planting?

Some development already occurring in some at risk areas.

PU 92 Opito Bay

Plantings have been very effective on front side of dunes, need more on back of dune – move dune back to be more effective as a line of defence

Need robust data collection on erosion to be done.

Road is also an issue.

Proposals for wider community sessions in September 2021.

Early thoughts were that this would occur in the spring, so could be end of September or October. October is the better option as it allows time for two more panel meetings prior to the public consultations and for the work to be completed.

Action: Team will work out best time and inform Coastal Panel members

We need to ensure that the public feels they are involved in the process.

7. Next steps, reflections and close

Schedule another meeting to complete the options for the rest of the PU's e.g., week starting 23rd August for an extended meeting. 9am – 1pm with option to extend to whole day if necessary. Then further meeting the week starting 13th September.

Meeting closed 12.05pm

Meeting Papers

- I. Agenda (this paper).
- II. Minutes if May Meeting including updated action list.
- III. Option Evaluation Report

Actions Table

No.	Action	Responsible	Status
9	Timeline of storm events for the East coast sought.	JB/WRC	Outstanding- still in progress. WRC will do analysis of May 2021 storm.
13	Awareness of the SMP Project to be raised with the Regional Transport Committee	Project Office	In progress -
16	Iwi representation to be discussed at the SMP Governance Meeting in March 2021	Project Office	Completed, feedback to be provided – covered in submission. Nominations for panel – not achieved at meeting

17	Catchment Management Plans to be considered by Coastal Panel	Project Office/AM	Link to be provided – project team/Dene
23	WRC can help with mapping contaminated sites around Buffalo Beach and have these added to the map.	Project Office/WRC	
24	add in 'cultural" to driver list	Project Office	
25	GO to speak with AM regarding iwi participation & have a coffee with Joe Davis to see if there is a way of approaching the iwi engagement.	GO/AM	
26	Work out best dates for Public consultation in October	Project Team	
27	Include short descriptions on Pre lim option column for ease of reference	Project Office	