



# Minutes

## SMP Coastal Panel Meeting 8 – Adaptation Pathways

- Times & Dates: Thames Coast 9:00am-12:00pm Wednesday 29/09/21
- Venues: Thames Council Chambers or MS Teams
- Chairperson: **Coastal Panel Chair:** Peter Revell (PR)
- Attendees: **TCDC:** Amon Martin - AM, Jamie Boyle -JB (left meeting at 10.12am), Karen Moffatt-McLeod (via MS Teams) -  
**SMP Consultant (Royal HaskoningDHV)** – Sian John – SJ (via MS Teams), Nick Lewis - NL (via MS Teams)  
**Coastal Panel Members:** Chris Dale -CD, April Chang - AC, Clive Monds - CM, Murray Wakelin - MW, Ron Jamieson - RJ, via MS Teams: Cherie Staples - CS, Jordan Downes – JD, Eric Carter - EC  
**Waka Kotahi** – Liam Riley - LR, David Grieg - DG (via MS Teams),  
**WRC:** Rick Liefing - RL, Alejandro Cifuentes - Alejandro (via MS Teams), Adam Munro – AM (via MS Teams)
- Observers: Denis Tegg WRC Councillor (via MS Teams)  
Robyn Sinclair TCDC Councillor (via MS Teams)  
Mitchell King TCDC (via MS Teams)  
Connie Buchanan TCDC (via MS Teams)  
Martin Rodley TCDC Councillor (via MS Teams)  
Sandra Goudie TCDC Mayor (via MS Teams)
- Apologies: Peter Feran, Tony Fox, Gary Gotlieb

### Meeting Objective

- To review adaptation options and pathways for each Policy Unit.

### Agenda Items

1. Welcome and introduction to the session.
2. Progress:

- a. Minutes of Meeting 7 (July 2021). Minutes adopted by the Panel.
- b. Review of Actions

9	in progress	NL will be done by next Coastal Panel meeting
13	in progress AM	meetings with Waka Kotahi – presenting to Thames CP meeting. Will share info that goes to Thames with other panels. Likely to be end of year for presenting to them Waka Kotahi)
16	AM spoke with Paul M	<p>mostly interested in how pathways will be presented to the community. Preferred pathways may give the idea that we have made the decisions (SG agreed). Will impact development potential – Ngati Maru have land interests</p> <p>Joe Davis – ‘not our issue to decide on’ – but it is our rohe and need to have input. Thinks it is more an engineering problem. Suggested talk to Hopper developments about what plans they may have for developing a new town.</p> <p>Jamie Watson – wanted Paul M to have the say but indicated that specific to the landowners and people effected – so discussions need to be with them, not just iwi.</p> <p>It is unlikely there will be Iwi representation on these Coastal Panels, but there is iwi representation on the Governance Panel. The 26<sup>th</sup> August Governance meeting was cancelled. Next meeting is October 14th</p> <p>Joe suggested to bring in people like Hoppers into the conversations.</p>
17		completed
24		completed
25	item to cover today	completed
26	in progress I	covering today
27		Drafted a comms plan with key messages for the public open days rather than bullet points. Key messages can be shared with CP's. Governance committee will review and approve
28	JB – will follow up	WRC did a mapping site and graded in terms of risk matrix – send around prior to the next meeting
29	Meeting with JD yesterday	completed

### 3. Reflections on the process so far.

AM	<p>made good progress.</p> <p>“Finish of the Start” the project and plan being developed is only the start of the work required. This is a good direction setting, but implementations of the project will be on-going for years. There needs to be some acceptance of what the project will and won't achieve. Whole lot of other work streams that will follow on from the work we are doing – so doesn't mean that things won't be done.</p>
JB	we should get it right due to the nature of the process, but we may not get it right straight away, but we will adapt to it.
RL	<p>From a Regional Council perspective, we are involved in multiple projects – this process is going really well, and I have a lot of confidence in it. There are still some areas of uncertainty as we only know what we currently know.</p> <p>CM – whole thinking has changed in the last 12 months, what our job is the trigger points for the work that will need to be done. Serious look at pieces of the community and what needs to be done</p>
RJ	disappointed that the agenda has been constricted and doesn't encourage the opportunities of making good out of a bad situation. Need to start thinking about

	enhancement now – I feel this has been missed in the process. Critically important particularly for the west coast of the peninsula. Some sections of the community the messages and triggers are way past our lifetime, but the structural pathways are very critical. Out of those there can be enhancements and recovery of those areas
CM	a lot of work done on pathways, but critical we go out to the public about what is going on. What has been produced is typical of people inside the process, but don't realise what the members of the public can absorb. Need to fine-tune the presentation. There is a gap between what we know and what the public doesn't know. A lot of effort and money put in – but at that critical interface maybe another layer could have been added.
AC	Solutions are working from the bottom up, rather than the top down
PR	Impressed with the commitment of everyone here, the intellectual gymnastics they have gone through. Disappointment that the public seem disengaged (small number of people who turned out 6 months ago) hope in October that more people will turn up.

PR – when is the end for us? Involvement in this project.

AM – Hoping end of April 2022. (Pushed back a bit due to covid) we can't continue without public engagement.

AM – There will be an online presentation for people who can't make the public meetings.

#### 4. Options for SH25, presentation from Liam Riley - Waka Kotahi.



Pleased to have the opportunity to be involved. National approach to things as per Rick's comments.

Trying to make a considered response to this process.

### Today

Respond, restore

Our approach today is to provide emergency response and recovery, restoring the road to current standards.

#### What we know and what we don't know

- Climate change is changing the risk to New Zealand's transport networks
- We know that climate change will increasingly challenge the fitness of some of our current standards

**We don't know how, how much, or how fast**

Will be good to get to the point of knowing what the triggers are.

## Today

Respond, restore

- We know that climate change also impacts:
  - Wellbeing of communities
  - Sustainability of our environments and ecosystems
  - Risks and opportunities for businesses
- All of these will also influence the importance of transport networks and demand for access

## Working together

Legislative reform – new ways of working

- The national response to climate change adaptation is being led by the Ministry for the Environment and next year (2022) will release the National Adaptation Plan.
- We're responsible for approximately 11,000km of state highway network across New Zealand
- Right now, we're **planning for climate change adaptation and building our capability and evidence base**



## Building evidence – SH25

Looking to learn

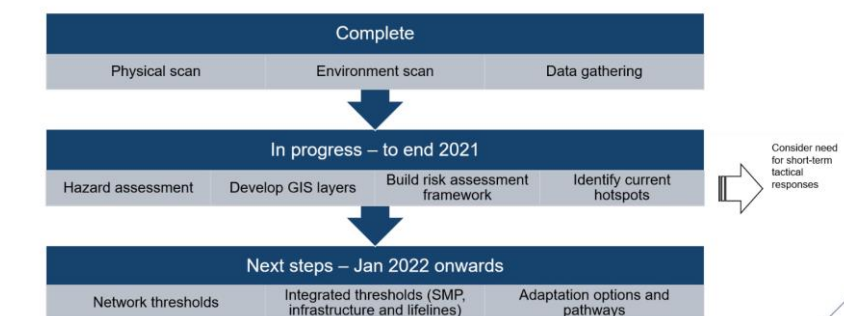
- Looking at parts of SH25 as a “proof point” to help guide our potential options for climate change nationally
- Assessments and studies underway
- Once data gathering is complete – will make information accessible to you
- This work will help us identify where standards and policy need to change. These changes needed before we can work on options

WRC engaged a consultant to assist in collecting different types of data – particularly around the Thames coast road, e.g. when there were floods, how bad were they, what bits or assets failed (or didn't – and why they didn't) etc applied to RL's data around the hazards to work out implications of different climate change scenarios.

Need to be mindful that we also develop the process for adaptation so that is fit for purpose nationally, not just for this area.

RL –Working collaboratively with Waka Kotahi and TCDC around maintaining those data sets and getting new data will help form the process. The crucial thing is the information we can use now to ensure we have got more resilient communities – we do a good job of understanding what may happen and getting the agencies together before an event and work on preparing for anticipated events so we can get back to normality as quickly as we can.

## SH25 Climate Change Adaptation Study



Once we understand the hazard and how it behaves, we can build a risk assessment for the SH. Then can go to the community to inform them of how roads will be affected and find out how it affects communities and how worried they may be by it.

PR – is there an acknowledgement that there may need to be some short-term action taken on SH25.

LR – yes – tactical responses surround weather events. They will be there to ensure access if being reopened.

Want to understand all the different ways they can do things. Then they will work out investing in them.

AM – transport does have to look at things outside the SMP e.g. river flooding/slips etc

## Future work

### Planning for climate change adaptation

- We are in the early stages of bringing the Dynamic Adaptive Pathway Planning approach into our organisation.
- Need to work with working with our partners – local government, iwi and local communities and businesses
- Prioritise interventions and responses to natural hazards in high-risk areas

CD – at what stage do you see the abandonment of SH25 to the sea.

LR – we don't have a view on abandoning SH25 – would look at different levels of service first.

CD – at what stage does it become uneconomical to keep repairing/upgrading

LR – would describe the level of service available to the community e.g. will be closed 2 weeks 3 weeks per year – and how do they feel about that? Also costs vs level of service.

AP – how far in the future is your modelling

LR – not sure how far in the future they will look at this stage.

PR – critical part of the SMP work includes triggers and this includes SH25 – so where are we in terms of completing the SMP project (our part) by April 2022.

AM - have modelling of events such as King tides/storm events etc which will also affect roading – Waka Kotahi will do this alongside us and re-confirm/define to support their planning as well. Tony Fox working to get this in front of the Regional Transport Committee.

PR – feels like it needs to be the other way around. Waka Kotahi need to have plans in place to keep access open.

AM – the process is circular – ongoing process

AM/LR – inundation in Thames being looked at. Not looking at options yet – but open to consider all options. The scope is the whole peninsula.

RJ asked Liam whether they (NZTA) are also considering sea route options, to which Liam replied yes.

Waka Kotahi are responsible for the State Highways.

AC (WRC) - <https://www.nzta.govt.nz/roads-and-rail/highways-information-portal/technical-disciplines/resilience/national-resilience-programme-business-case/>

This is the overview of the National resilience programme and answers a lot of the panel's questions.

RJ – spill ways on either side of the bridge (by Toyota) are impeded by the mature mangroves when river is flooding. Why is there not attention to this?

RL – this is more of a regional council issue.

## 5. Review of adaptation options and pathways.

Inputs:

- a. Coastal Panel feedback.



b. Outputs from the Third Pass Risk Assessment.

**Thames Coast Coastal Panel: Draft Adaptation Pathway Posters**

SJ – These are the posters to present at the open days. They talk about the Hazard and the Risk. Plus, the proposed pathways / directions

Risk table will be updated to include TPRA which has some subtleties (table currently shows SPRA) it will show more graduation of time.

Will also include a key or chart for the public.

We don't have times on the timeline as it is the triggers that will be put in when decided.

The CP comments at the top will not be shown on the posters – they are there for today's meeting only. - the 'response' is where we need to get the public feedback. What won't be on the poster are the comments from the panels

**Kopu – Industrial area**  
Policy Unit 1

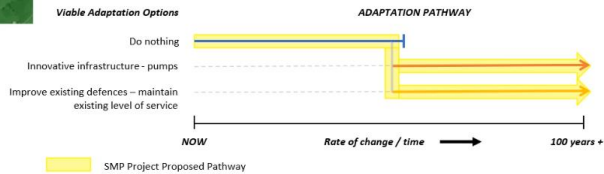


Current LOS should be maintained. Area vital for economy. Noting that, in general, expert commentary warns against reliance on hard defences (general comment).

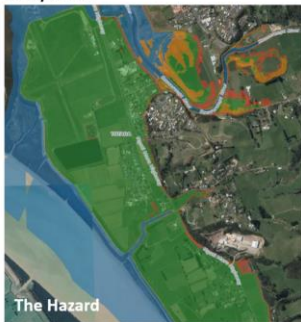
**The Risk**

Type	Year	AEP	Exposure	Vulnerability	Consequence
Erosion	2020	1%	Low	Low	Insignificant
Erosion	2120	1%	Low	Moderate	Minor
Inundation	2020	1%	Moderate	Low	Minor
Inundation	2120	1%	Moderate	Moderate	Major

**The Response?**



**Kopu<sup>1</sup>**  
Policy Unit 1

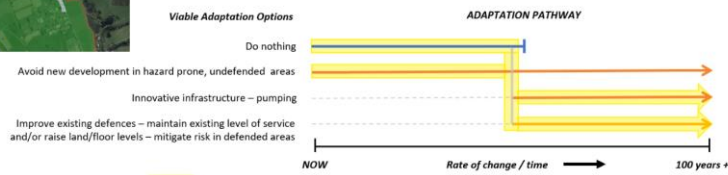


Raising floor levels should be mandatory for new development. Current LOS should be maintained. Area for future growth. Given, this 'avoid' is not applicable to defended areas.

**The Risk**

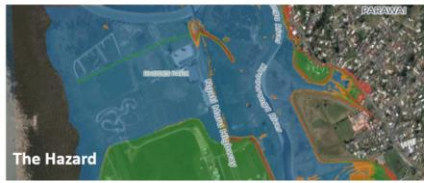
Type	Year	AEP	Exposure	Vulnerability	Consequence
Erosion	2020	1%	Low	Low	Insignificant
Erosion	2120	1%	Low	Moderate	Minor
Inundation	2020	1%	Moderate	Low	Minor
Inundation	2120	1%	Moderate	Moderate	Major

**The Response?**



<sup>1</sup> Includes airfield.

**Kopu – Rhodes Park**  
Policy Unit 1



Coastal inundation mapping comprises:  
SLR plus 1% AEP levels for storm tide,  
sea level anomaly and wave setup  
2020 1% AEP  
2120 0.5m SLR (RCP2.6med) 1% AEP  
2120 1.0m SLR (RCP8.5med) 1% AEP  
2120 1.3m SLR (RCP8.5max) 1% AEP

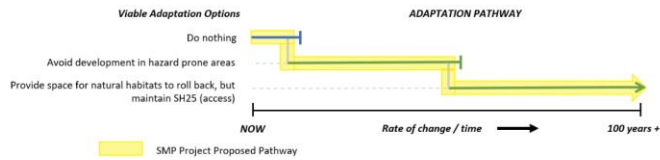
Defence or development in this area would affect the flood capacity of the Kuaeranga River. Further evaluation is needed of the issues and opportunities presented by this area; this may not support 'avoid'

**The Risk**

Type	Year	AEP	Exposure	Vulnerability	Consequence
Erosion	2020	1%	Low	Low	Insignificant
Erosion	2120	1%	Low	Moderate	Minor
Inundation	2020	1%	Moderate	Low	Minor
Inundation	2120	1%	Low	High	Extreme

Q – what does retreat of a sports field constitute (buildings largely not relocatable)? Rhodes Park is and should remain a flood plain.

**The Response?**



This is where the existing defences end

RJ – in risk it has erosion and inundation – why has rising ground water not been included as a risk?

SJ – can make a note on the poster/s – can be added

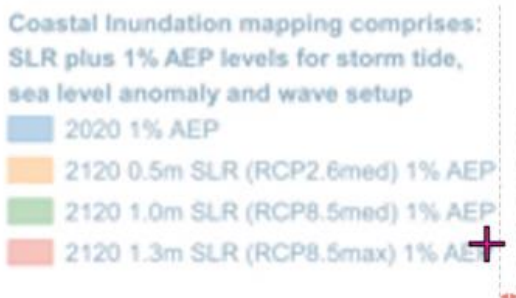
AM – ground water is considered but not fully in the scope as it is a comprehensive model is required to understand. Possible to manage but need to be looked at in much more detail prior to going down a protect/address option.

RJ – doesn't agree with Amon's comment. How can you talk about protection of Thames if not all aspects/risks are considered?

NL – primary focus is inundation & erosion, but ground water is important and will be considered (even though out of scope) and will be looking at ground water specifically around Thames.

CD – map on left hand side, is that the interactive map which shows the 20cm increments.

SJ – no, wanted to keep for the public what they were familiar with:



but can have the 20cm interactive map available at the open days.

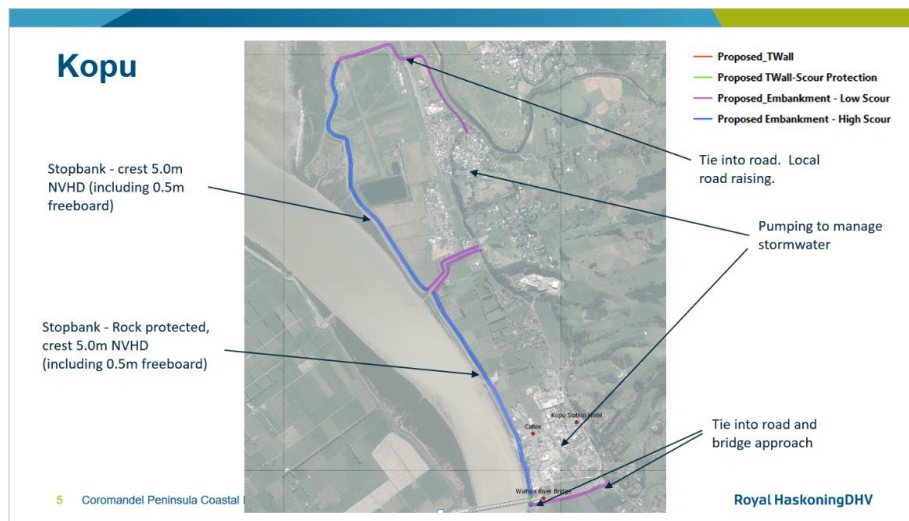
RL – has WRC information if they want to look at it for this area

**Defence Options:**

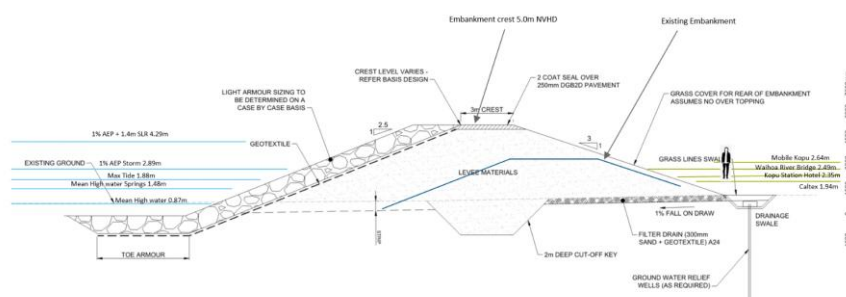
1 % storm event and 100 years into the future

High level hypothetical options presented in last meeting to Thames.

Hypotheticals give guidance and concepts for the future



Kopu doesn't have huge amounts of space constraints as some other areas do.



Stop bank to scale

Left side shows water levels, right side – existing land levels. Standard high person for scale (1.7m)

Lots of different options for different locations around the peninsula. Blue/purple areas could get away with grass stop bank – but start to run out of space towards the bridge – the southern area may need more protection. Compared to other locations Kopu is the most sheltered in term of waves.

The structure is facing the river – so has currents and some chop. Sea level rise will impact – so either armor with rock or set it back further.

In all of these options – need to design something that can cater for the ground water, storm water as well as sea level rise/storm events etc

Previously presented costs for Thames. Kopu may be 1/3 cost of Thames costs.

MW – SMP 7 had the presentation by Tim Naish – what are we doing in respect to Thames rising?

NL – info is being considered and has been integrated into the environment report.

CD – is the wall transportable? Will it fit into Waikawau Whitianga? NL – specific to Kopu, other locations have different solutions/treatments

RL – land subsidence work was a generalised view – specific on-sight surveying would need to be done for these sights. These are to give an 'impression' of what could be done.

CS – heard that the Peninsula is rising, then the sea level is not – so why is it being ignored?

AM – high areas are lifting, but coastal areas overall are not.

NL – need to look at it is context, SLR is greater than the land level rise. Kopu is not rising – more likely to have some subsidence.

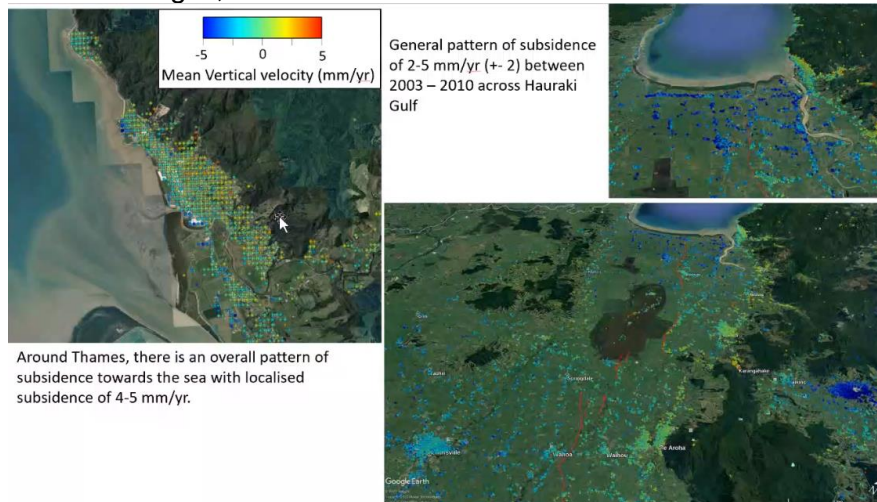
PR – will we be identifying the trigger points on the open day posters?



NL – trigger points can be subjective – will be summarised, particularly when land points are over topped – as we know the trigger.

SJ – after public meetings we will update the line with real information

RL: figure where the rising is, subsidence is and what is stable



Reds/yellows where land is rising, blues land is subsiding, greens are static. Some of Thames is rising where it is built on more rock surfaces, but shorelines are subsiding.

**Thames**  
Policy Unit 2

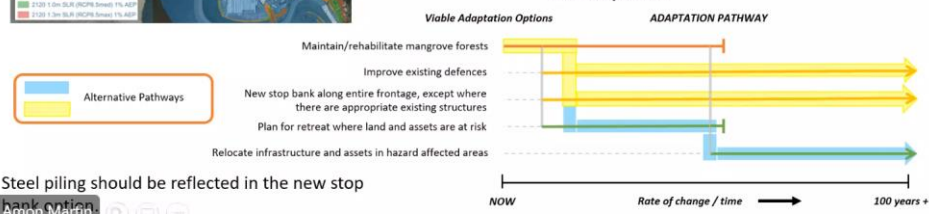


Lack of support for blue (retreat) alternative. Strong support for yellow (defend) alternative. Maintenance of the mangrove forest helps to dissipate wave energy, but cannot prevent inundation or rising groundwater, and can affect the egress of water. Consenting issues for removal if spread becomes an issue. Suggestion that they should not be maintained.

**The Risk**

Type	Year	AEP	Exposure	Vulnerability	Consequence
Erosion	2020	1%	Low	Moderate	Minor
Erosion	2120	1%	Moderate	High	Moderate
Inundation	2020	1%	Low	Moderate	Minor
Inundation	2120	1%	Moderate	High	Moderate

**The Response?**

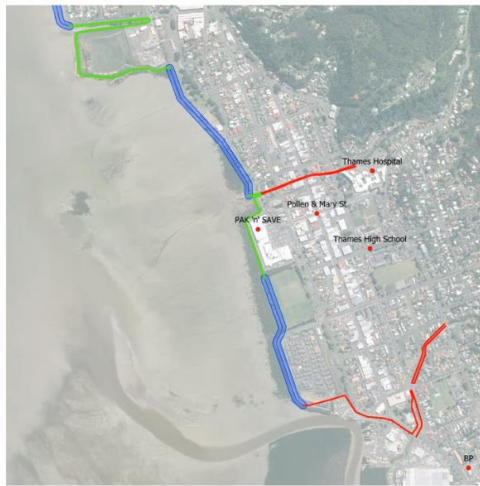


Can Show 2 options so it is open for community feedback - Or show 1 pathway to see if they agree or not.

Important to decide which to present – and make it clear that no decisions have yet been made. Recommendations can be made on feedback, community values, but council would need to approve and consenting processes looked at.

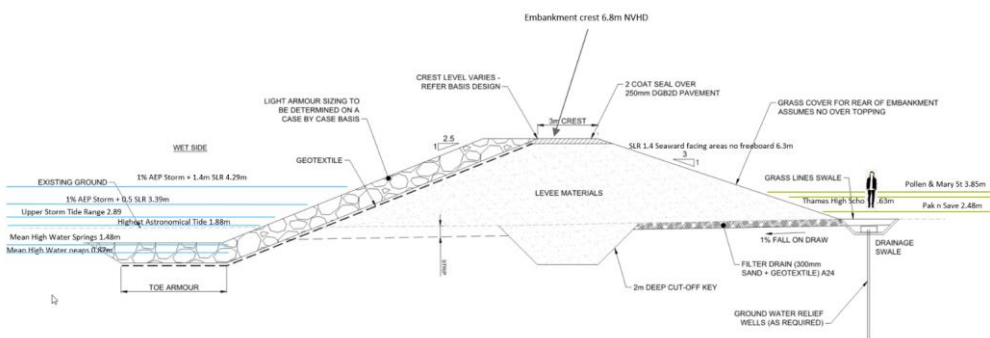
CM - thinks there is value in showing retreat as an option as in may be the case in some areas. Shows the public if they don't like the defend option that this is the alternative.

# Thames



8 Coromandel Peninsula Coastal Defences

Royal HaskoningDHV



## Moanataiari Policy Unit 3



Coastal inundation mapping comprises:  
SLR plus 1% AEP storm for storm tide,  
sea level anomaly and wave setup  
2020 1% AEP  
2100 0.5m SLR (RCP2 0.5m) 1% AEP  
2100 1.0m SLR (RCP8.5 1m) 1% AEP  
2100 1.3m SLR (RCP9.5 1.3m) 1% AEP

Concern over apparent abandonment of Moanataiari. Needs more consideration of possible alternatives and costs. CBA for 20:30 years time based on removal of existing infrastructure, raising the ground level and then reinstating? But equally support for retreat, given the challenges faced.

### The Risk

Type	Year	AEP	Exposure	Vulnerability	Consequence
Erosion	2020	1%	Low	Low	Minor
Erosion	2120	1%	Moderate	Moderate	Moderate
Inundation	2020	1%	Low	Moderate	Minor
Inundation	2120	1%	Moderate	Moderate	Major

Consequence  
 Significant  
 Minor  
 Moderate  
 Major  
 Extreme

Need to establish the trigger for action with the community, e.g., 2,3,4 inundation events lasting 1,2,3 days. The challenge is that different residents will give different answers.

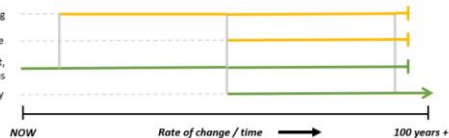
### The Response?

#### Viable Adaptation Options

- Improve existing defences and pumping
- New seawall - Kuranui Bay frontage
- Change planning practices to discourage further development, raise floor levels and plan for retreat in hazard affected locations
- Relocate assets and property

SMP Project Proposed Pathway

#### ALTERNATIVE ADAPTATION PATHWAYS



Sian John

No preferred pathway shown on this poster (only the options) due to the complexities and differing opinions of the panel and other things that need to be looked at e.g. rising ground water. Need to think about triggers / tolerance of community.

CD – at the orange level what is the concern with Thames when it will be flooded more and Moanataiari isn't?

SJ – shorter term – lower risk as they have some defences, where Thames does not. Also, the area here is subsiding, contamination etc which compromises living in the area long term.

We need to get feedback from the community – messaging – it needs more investigation

## Design Concept

### Moanataiari

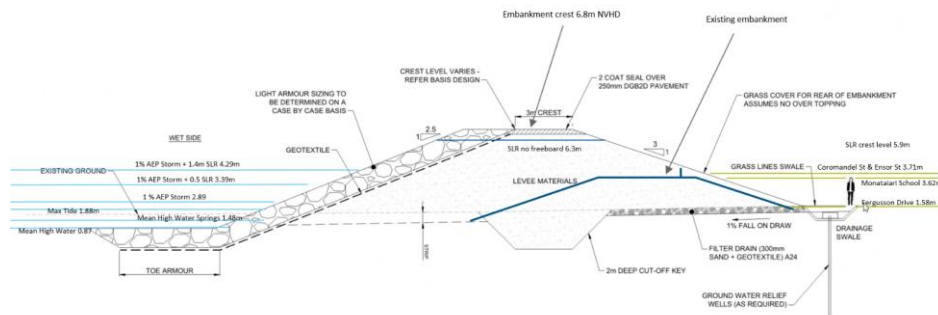


One option for protection



Significant amount of ground water and storm water management would be needed

### Moanataiari



Has the rock walls be seated down to the lower substrate? NL – absolutely – will go below depths of water and substrate to be below scour levels

Cost point of view – Pro - rata – 3<sup>rd</sup> pumping and 2/5 of costs of Thames Wall. We will be firming those costs up.

Some costly treatments, pumping is a huge cost. Also details about tying into roads etc.

NL – gates are costly, but then no where for storm water to go (if there was a rainfall/high tide event)

RJ – leeching problem from the landfill

NL – leeching of a landfill would need to be dealt with in the future. But will get inundated/eroded as well – so may need to be capped.

c. Draft Concept Designs. (NL presentation integrated above)

6. Time allowing, discussion on thresholds and triggers (topic for Meeting 9).

7. Preparation for Community Consultation.

AM – how we need to explain things well – so the community can understand

How do we incorporate the feedback we receive on the day.

Will give a presentation – where we are now / how we got there etc – then break out so they can look at the posters relevant to them and get feedback. Sticky notes etc

*(Note the Western side of the Coromandel dates have now changed post the Thames meeting)*

Encourage public to go to the meetings

Thames / Te Puru need to be at weekends to get public buy in

PR – last public consultation feedback was weekdays were no good

AM – maybe move them to the next Saturday

Suggestion of doing them in the evening – find a compromise

Reiterate that we are looking at the feasibility well into the future to inform the SMP – looking at hypothetical situations to conceptualise the process.

SJ – good turnout in Te Puru which was a weekday evening

CS – agrees up the coast could be weekend, but Thames could be an evening during the week.

Are those further up the coast going to come down to Te Puru? More thought is needed about how to get to these other communities.

AM – we are not planning on having more up the coast, we hope people will drive the 20 mins to Te Puru.

Are you intending to have councillors front these?

AM – it is a good idea but need to talk to the council about this.

Some of this information will be new, scary, controversial. Recommends council members need to be involved.

Is there going to be a link to a section on the Council website with information (on the posters) Council could create a virtual lobby and get links to information on the project, and perhaps the facility to ask questions. One drop-in session will not be enough. People will need a lot more information.

Also, information regarding SH25 needs to be included so people can get to it.

AC – Thames people will just drop in – so it will be a challenge in terms of doing a presentation at the start. Need an interactive tool.

PR – are you suggesting doing more than one presentation in the session for people who come later?

AC – lots of ways to do it – but need effective communication

Maybe record the presentation so people can download it – or a video that can be on loop on a screen? Or played as needed



8. Next Meeting – part 2 (13<sup>th</sup> October 2021) then 10<sup>th</sup> November and Meeting Closed 12.10pm.

## PART TWO – 13<sup>th</sup> October 2021. Meeting Opened 9am



Demonstrates what infrastructure it would take to protect for a 1 in 100 year storm event. Accounted for storm water management as well as a lesser capacity for free draining of surface water.

3 types of features – south at bottom (green line) space is highly constrained, so need something more vertical, purple/blue buffer is the rock armoured stop bank (as at Moanataiari and proposed at Thames). Rock facing on seaward side, can be grass on landward side.

At inlet of stream, we run out of space (red line) most likely would need a vertical feature. Need to raise the existing walls anyway, so perhaps replace.  
North – green line (Te Puru School) would take some significant protecting.

CD – area to south (green line) much is riparian right properties, and many have vertical walls – many landowners own the water to the low water mark. We have no responsibility for protecting their land? Only advising?

NL – these questions are why we have looked at these options. Huge land ownership constraints in south – need to move houses or purchase land – need for protection structure in the future will be needed more and more.

Protection – certain locations where properties is there to fend for themselves would have quite an undertaking. With some locations there is a responsibility to protect right around those parcels of land as there could be the possibility of weak spots which will cause inundation to breach.

CD – environment Waikato have spent a lot of money around the river area wbuild walls extra – need for huge concrete walls is diminished somewhat.

NL – infrastructure possibly okay for now – but feasibility for 100 years into the future they would need to be adapted. No sufficient space to have sloping type of protection. Could look at retrofitting.

RL – existing WRC structures – stop banks, earth bunds with wooden flood walls – need to look at it carefully as a multi-hazard area with stream and coast. Important to ensure we have a consistent terminology (e.g. stop bank vs sea wall) Stop bank indicated should be called 'sea wall' be clearer on terminology.

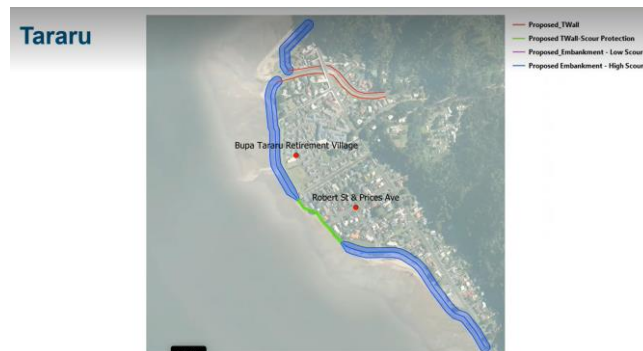




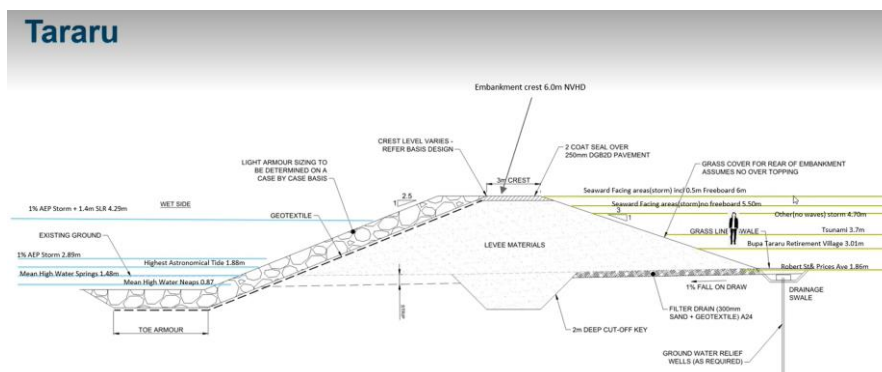
AM – looking out 100 years is scary, but we are doing this consistently throughout the district, so we are comparing apples with apples.

CD – is there a cost analysis for the seawall (as it could be cheaper to evacuate the whole town rather than build this – cost benefits)

NL – possibly in the order of a 5th of the Thames work. There are also requirements for storm water, no matter what options are done in the future.

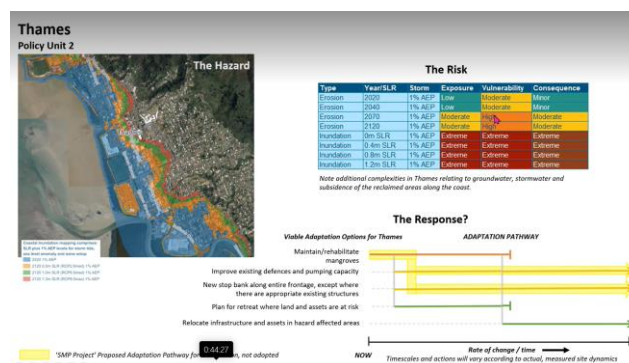


Principles are the same as Te Puru– maybe some more land constraints in this area Would have to go significantly seaward if you went with a sloped wall. Principals the same at Te Puru (a little more infrastructure in the north)



Similar, but slight lower than Te Puru

SJ presentation: This is the look of the posters for the Public Open Days, have also produced other posters with definitions eg. SLR = sea level rise etc Posters -What the objectives, values expressed and where the PU's are



Since we last spoke, these have gone to the Governance committee (comments have been removed)

Made clear it is a 'consultation' not adopted yet.

Replaces SPRA with TPRA outputs – so it shows the transition of inundation and erosion and how it evolves over time. ST, MT, LT taken off – left on ‘now’. scale is indicative of time – what happens and when will determine change of course of action.

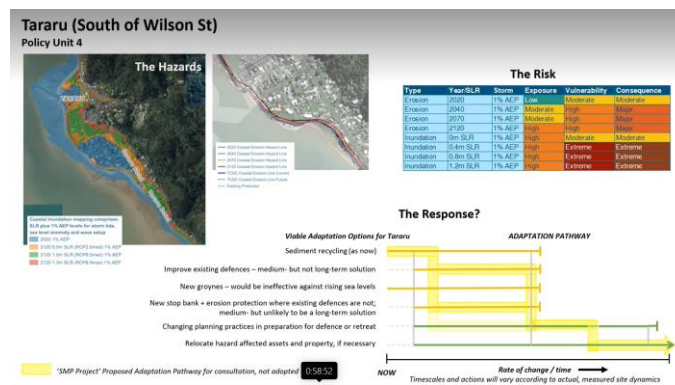
CM – do we need to explain SLR & AEP for the public  
 SJ – produced a series of posters with explanations / definitions

RJ – has been asked if your modelling considers worldwide goals set for 0% carbon emissions?

SJ – modelling does take account of that – does show what happens if there is no SLR - .2m, .4m extra

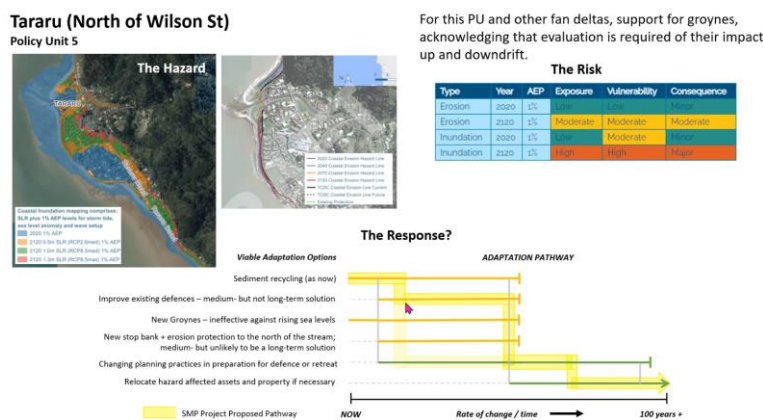
NL – different scenarios for greenhouse gases and SLR have been captured (captured in RCP's). These have been looked at as well and looking at actual values of SLR regardless of timeframe.

These posters haven't yet been updated with TPRA – and still have your comments on them



Cost of wall in this area – not worth it – as compromises life-style – same message for the north – northern part is already better protected as higher.

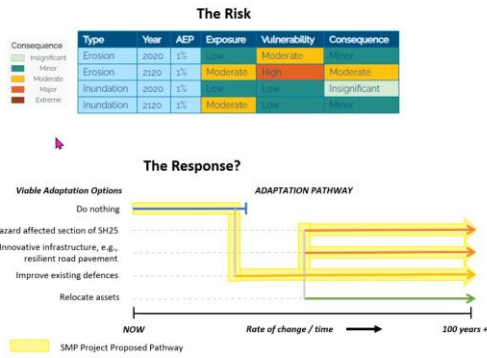
Support for Groynes in fan-delta's – would be over-topped from sea, but sediment recycling would be enough.



**Tararu to Whakatete Bay**  
Policy Unit 6



General point acknowledging the importance of accommodating the maintenance of SH25.



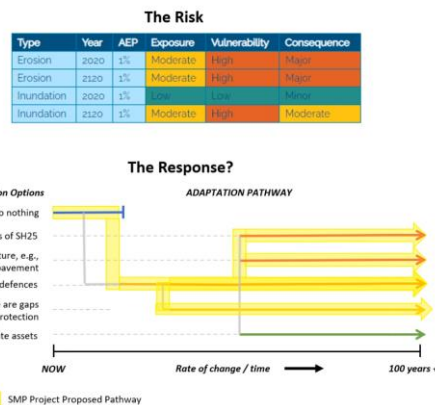
CD – SH25 – the do nothing means maintain the road in its present state? SJ – yes needs to be made clearer.

XX – do we need to ensure our pathway also reflects/works with Waka Kotahi’s pathway.

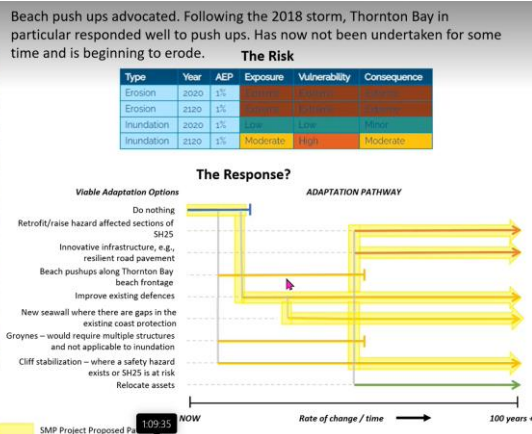
SJ – yes, WK told us they will maintain the current service of this road. In the absence of them having a strategy, why don’t we suggest one to them?

PR – impression from LR’s presentation that WK are looking for our input from this process.

**Whakatete Bay**  
Policy Unit 7



**Ngarimu Bay, Thornton Bay**  
Policy Unit 8



JB– if we do advocate for push ups – at a certain time they become ineffective.







JB – option in ST/MT for using storm bund in some areas using natural materials e.g. fill (Jim Darm supports this)

XX – Jim is talking about if the road wasn't there that that material could be used?

EC – becomes an Iwi issue if you want to push land into the sea.

CM – last time the river emptied out at Te Puru, WRC & marine guy from TCDC, all spoil that came from river would be put at high water mark – consent available. But the rock from the river wasn't allowed to be used (as needed to use a different type of rock). Consent issue

RL – yes, it is a consent issue

EC – resource consent – must put like material with like material

PF – round river boulders .....(missed due to sound quality)

SJ – what do we show the community at the end of the month – which is a proposed pathway of a stop bank – or 2 potential pathways which includes retreat.

PR – next meeting we will be specifically discussing trigger points – is this saying we either build a wall or you retreat

AC – starting to let people be aware of the risks they may be facing. you can't avoid incorporating it in the plan

CS – agrees with April, people need to have an idea of 'what maybe' even if it is 100 years out – need to tell them

CM – area in Te Puru south may have to be let go – as well as SLR – faces inundation from the land – seawall may aggravate situation. Need to give people an awareness they may need to relinquish the land.

AM – could buy yourself more time with some shorter-term options

EC – agrees – but everyone is going to be different in what they think, and emotions will come into it, this is a 'thinking' document, not set in law

CD – no provision in the pathway for getting rid of the water (which the local people want) Flood rate will be untenable if another 1.4m is put on top of that.

XX – I agree with AC point that it is missing the retreat option

SJ – we can indicate that it is a pathway that may need to be taken or taken by some

XX – we need to look at the whole of Te Puru (or all coast) and examine current planning practices for TCDC, as LT planning must include the planning practices. Is it viable to continue to build single level dwellings at Te Puru? No, its not

JB – covered the process of new building in the TCDC area

EC – can we look at a test model of/at Te Puru – a groyne and a push up to show people?

SJ -

PR – there are some things we can recommend, so we could look at doing something now to show people.

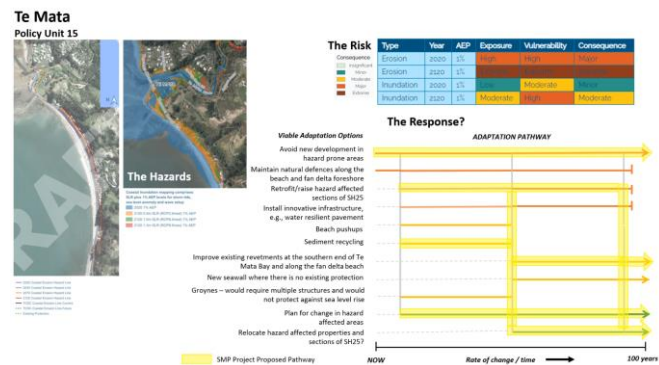
XX – TCDC should start now on selected works which does encompass some of these areas. Should put it in their next 2-year work program. Do it now, learn from it, adapt it

JB – in the past we have tried similar things, but they are a bit ad hoc – did not go through a process like this which includes consultation etc – community need to adopt the ideas. Global consent??

XX – lets say we should build some of these things and do

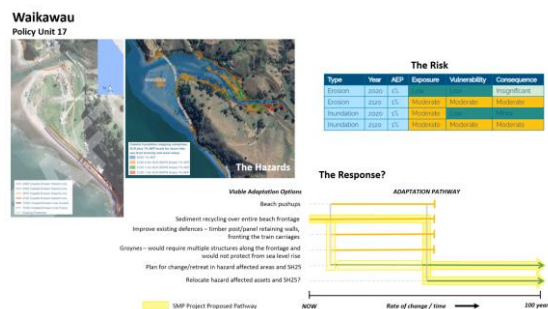
CD – understood an engineering example would be built and tested here.

SJ – we have done a concept design, but we can't build it as Council would need to approve etc



Problem here is the properties on the inwards side of the road (may be pushed below road level)

EC – some properties are on stilts, so they won't want to retreat. Biggest issue here is blocked storm drains (during storms). Plenty of room between road and sea for a wall or beach push ups



EC – a lot of the trams have already been put up on stilts, the one at the end is the biggest issue, but he won't move. Need to involve iwi here too

CD – nagging in mind with pieces of road – instead of 'do nothing' we need to acknowledge Waka Kotahi input so everything we do is in consultation with Waka Kotahi. Acknowledge on posters that SH25 is in consultation with Waka Kotahi.

XX – should LR come along to the open days to speak? EC – thinks it would be chucking him in the deep end as their planning is not as advanced and would struggle to answer questions.

No comments for PU 12 – Waiomu, PU 11 - Te Puru to Waiomu, PU13 - Waiomu to Tapu, PU 14 – Tapu, PU18 Kereta

### AM – update on public meetings

Workshop of Governance Panel on Monday – workshops will proceed as most attendees are usually locals anyway, plus time is a factor.

There will be challenges with face masks and 2m spacing in venues, so limits on numbers in some venues.

Encourage you to come, but also need to be aware of space for the public. Flagging this if a venue is small and there is a good turn out – Public should be given priority.

CD – spoke about having an introduction running on a loop so people could watch that first, and if so will it be available for land owners who can't make the meeting?

AM – have done a 20min intro as another means for people to see (not shown at beginning of meeting) also looking at an online option session for people who missed it. Not sure how many virtual sessions we will do and if they will be in specific areas, or a generalised one.

Final comments:

CS – no further comments

EC – no

AC – concerns that even with public consultations it still feels like the clock is ticking to effectively engage people. Needs also to include a more proactive approach rather than just setting up meetings. Maybe we need to go out rather than just expect people to come.

PR? - Maybe we need to get out to places where there are key stake holders e.g. real estate people and other sectors)

AM – comms seen so far is only about the Open days, now planning how engagement will run through to the end of this project.

MW – next meeting looking at trigger points - do we need to consult with the community after that as well?

JB – Gordon raised a point about the list of people going to open days – so once we have capacity is determined we need to work out how many panel members can go

PR – can we do tis via email (above)

CM – what is happening to the build up to the Open Days – where are we at as not aware of anything in the comms plan having been done yet.

AM – all the things mentioned will happen – advertisements already coming out in paper, radio is happening, other things will happen in the next week and half.

CD – spanner thrown in the works with the number of people who may be able to attend the meetings. Has been proactive in working to get people to turn up. Also getting emails from absentee landlords wanting to know what is going on. Is there something official I can send them?

AM – there will be a link to a video that you can send a link to those people.

PF – triggers points – 1 insurance company said claim at that's it?

RJ – thinks only a small percentage of people in Thames will be interested in attending. Social & professional media and other forms should be looked at as some areas very different e.g. Kopu and Thames

PR – thanked RHDVS for the work done, but some of the words need changing. The project team and the panel members & KMM for comms.

Meeting ended 11.30am

Next meeting 10<sup>th</sup> November

From comments 10.21 FYI...to support beach push ups korero...at Thornton Bay...pre-weather bomb in 2002...that beach was in an erosion trend...but as a result of the weather bomb, an injection of natural sediment effectively reinstated that beach almost overnight...and it's been in a relatively good state since adam munro

## Meeting Papers

- I. Agenda
- II. Third Pass Risk Assessment. Now uploaded into shared folder
- III. Example 'Poster' for community consultation.

## Presentation materials

- I. Policy Unit Risk Assessment Mapping Folium.
- II. Draft Adaptation Pathways (provided to Coastal Panel members following the presentations at the end of August/early September).
- III. Draft Concept Designs for discussion.

## Actions Table – SMP 8

No.	Action	Responsible	Status
9	Timeline of storm events for the East coast sought.	JB/WRC	Information on historical analysis now with JB. WRC has not assessed the May 2021 storm but TCDC has gathered information on it
13	Awareness of the SMP Project to be raised with the Regional Transport Committee	Project Office	In progress - presentation proposed for Oct 2021.
16	Iwi representation to be discussed at the SMP Governance Meeting in March 2021	Project Office	Completed. Coastal Panel chairs to attend next SMP Governance meeting on 26 <sup>th</sup> August 2021.
17	Catchment Management Plans to be considered by Coastal Panel	Project Office/AM	Link to already published info: <a href="https://www.waikatoregion.govt.nz/council/policy-and-plans/hazard-and-catchment-management/hcmp/">https://www.waikatoregion.govt.nz/council/policy-and-plans/hazard-and-catchment-management/hcmp/</a> Also in the shared drive
23	KM to share TAG meeting presentation for Thames Coastal Panel.		Thames Only - completed
24	add in 'cultural' to driver list for 'triggers'	Project Office	Requested by MB Panel - completed
25	Work out best dates for public consultation in October	Project Team	Completed
26	Include short descriptions on options column for ease of reference	Project Office	To be completed for future presentations
27	Provide Messaging bullet points for all panel members to take back to their community	Project Office/AM	In Progress
28	WRC mapping for contaminated sites around the peninsula including Buffalo Beach, that could be used to	WRC/Project Office	To do – data requested from WRC

	inform the risk assessment		
29	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	
30	Provide maps for areas of cultural significance	Project Office	
31	Definition posters for the open days (icons included?)	Project Office	
32	Include on posters if the solution is for erosion or inundation	Project Office	
33	Communications Plan	AM/CB	
34	Kuaotunu West – re-work on the presentation/posters and send back out to the group before printing. Also add to next TAG meeting for discussion	Project Office/SJ  AM	
35	Reassess PU 118 (south East) – look at King Tide data and access issues	Project Office	
36	Change public consultations days and times for Western side of coromandel peninsula	AM/KMM	