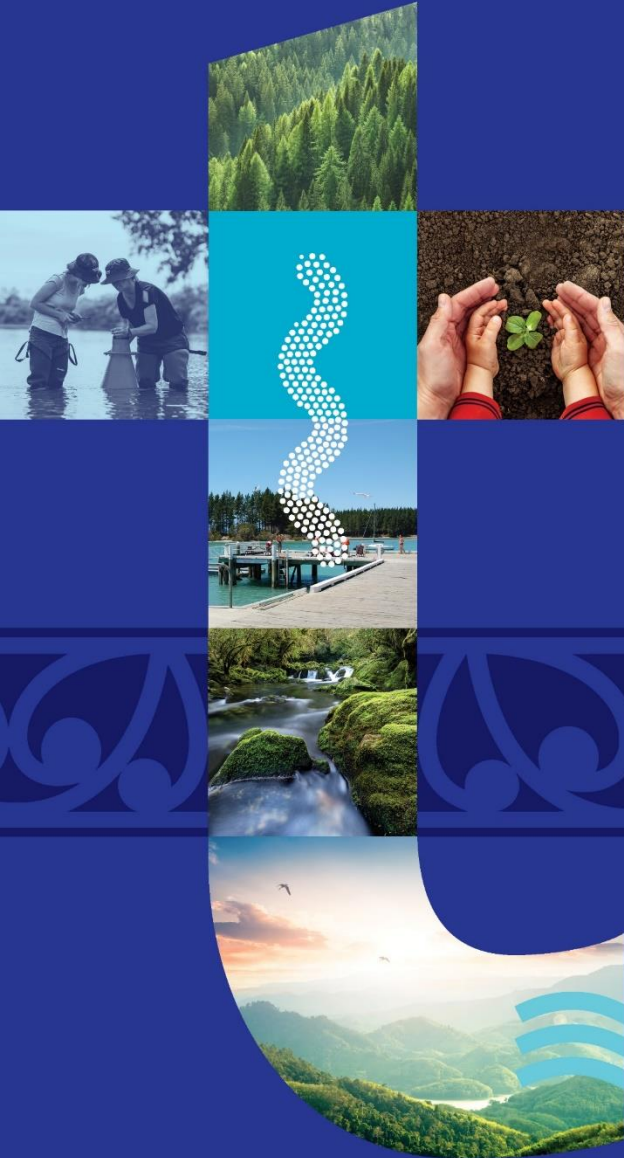


# Catchment Management Plan for the Māpua, Ruby Bay and Tasman Urban Drainage Areas



*Thriving and resilient Tasman communities*

# What is the Purpose of this Meeting?

- To introduce the TDC Māpua, Ruby Bay and Tasman Catchment Management Plan Project Team.
- To explain the scope of the Catchment Management Plan (CMP), what the CMP's purpose is and where it fits within the hierarchy of council documents.
- To present an overview of key issues and challenges facing the three Urban Drainage Areas (UDAs), and to open the channels to receive feedback from the community on those issues.
- To present the Māpua Catchment Management Plan Programme.

We welcome feedback and questions, but we're still at a very early stage in the work so we don't have all (or many) answers yet. What we'd like to hear about are your observations on catchment-related issues and what you see as challenges for future catchment management.

# Overview

1. What is Catchment Management Planning?
2. Long Term Aspirations
3. Key Issues and Challenges
4. What We've Done So Far
5. Timeline and Next Steps



## Urban Catchment Management Plan Framework



*Bringing the various interests in a catchment together to achieve whole of catchment improvements*

- Mandated by the Global Stormwater Consent RM191019 (issued May 2021)
- Implementation of NPS Freshwater Management and Te Mana o Te Wai
- Collating existing data and identifying data gaps i.e. water quality, flooding, stream health, growth areas, piped network
- Understanding the various stormwater issues at a catchment scale
- Prioritise key issues and identify cost effective solutions
- Progressively improve stormwater management and minimise effects of discharges on the environment

# Our Areas of Interest

## Tasman UDA



## Mapua & Ruby Bay UDA



# What is in the CMP?

As per our discharge consent the CMP must include the following:

- a) A full description of the Catchment Area concerned including the urban drainage area covered, catchment history, catchment characteristics, and existing stormwater assets.
- b) A Cultural Impact Assessment to identify matters of cultural importance within each UDA.
- c) For each aspiration identified in Tasman District Council's Urban Stormwater Strategy (see next slide), the:
  - i. Key Issues
  - ii. Medium and long-term targets to achieve each of the aspirations.
  - iii. Improvement actions (best practicable options) for each of the aspirations including identifying the role of each improvement action in achieving these aspirations.

The CMP will be carried out in close partnership with iwi and will be directed by their inputs and objectives.

# CMP and Related Work

The CMP is just one of several initiatives currently underway by Tasman District Council that incorporates the Māpua and Ruby Bay areas. Of particular interest are the updated structure plan for development and the coastal hazards/management assessment, both of which have been recently brought to the community.

While these three projects are driven by separate teams and have different statutory drivers in each case, there is overlap in subject matter between them that needs to be managed. The internal Council teams are working together to align the project outcomes and goals.

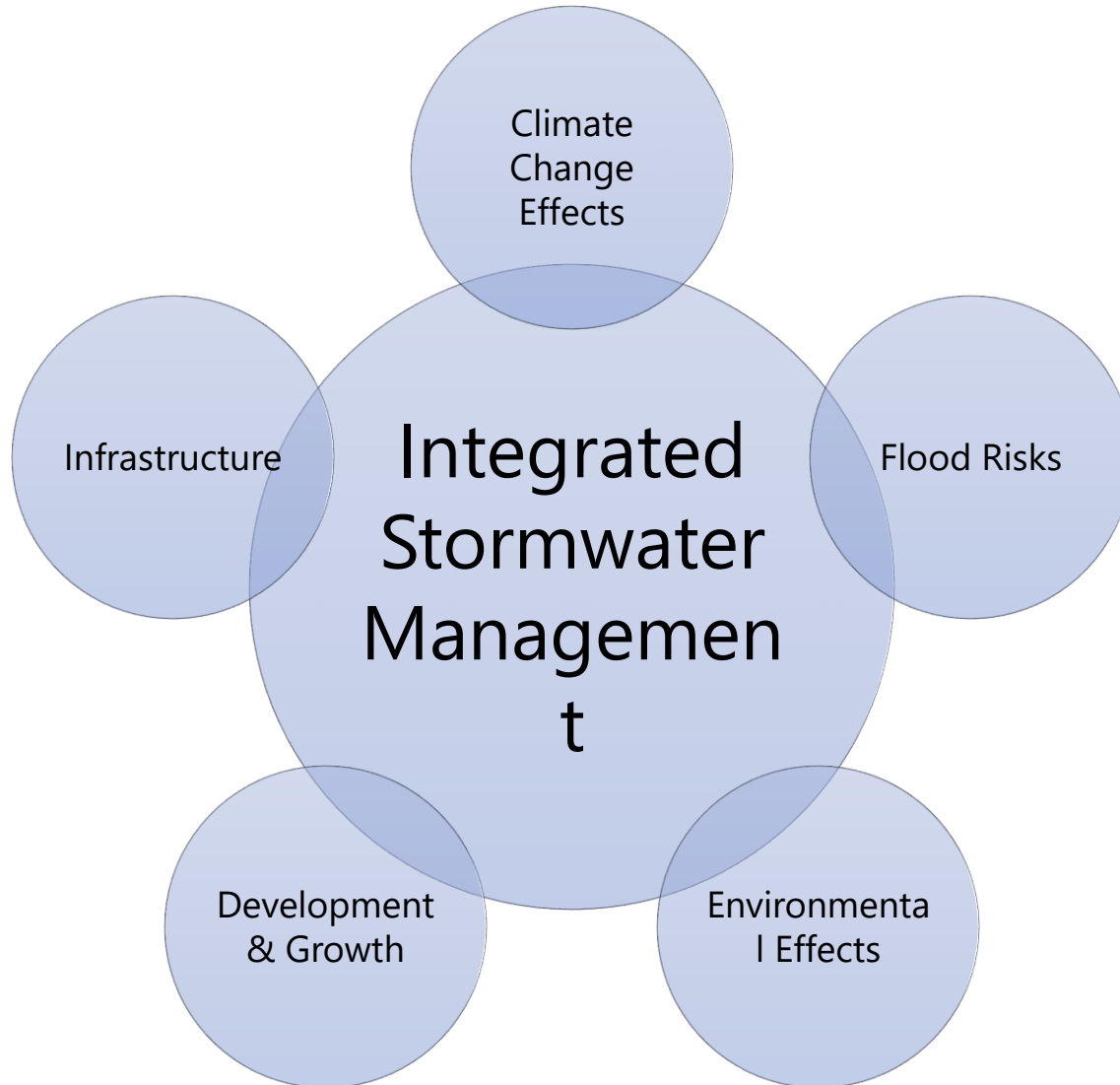
The CMP, however, is not directly focused on matters of coastal hazard or identification of future development areas, although these are important inputs into the CMP analyses.

# Long term aspirations (from the Urban Stormwater Strategy)

1. Our urban streams, aquatic habitats and coastal marine areas are healthy and accessible
2. Stormwater discharges do not degrade the water quality and ecosystem health of streams and estuaries
3. Stormwater flooding does not create a hazard to our community or cause damage to properties
4. We enable water sensitive growth for future generations
5. We manage stormwater in a holistic, efficient and cost-effective manner



# Key Issues and Challenges



## Climate Change Effects

- Increased rainfall intensity
- Sea level rise
- Storm surges

## Flood Risks

- Coastal inundation
- Stormwater flooding
- Groundwater

## Environmental Effects

- Stormwater quality
- Sensitive ecological environment
- Protection and restoration

## Development & Growth

- Intensification
- Mapua Structure Plan Update (ongoing)
- Future Development Strategy

## Infrastructure

- Wastewater I/I
- Stormwater capacity
- Detention and treatment

# Coastal Hazards – Now and in the Future



# Ecology & Environment

- The current and future ecological condition of the UDA catchment is also a primary concern of the CMP, particularly as it relates to stormwater effects.
- CMP scope includes stream walks to assess current habitat condition
- CMP solutions do not only consider flooding, but also ecological enhancement



The eels at Jester House Café

# What We've Done So Far

The CMP for the Māpua, Ruby Bay and Tasman UDAs is the third such study, following on from Richmond (2019) and Motueka (2022).

So far, we have completed baseline stormwater modelling of the UDA, focusing on the 1% and 10% AEP rainfall events, and incorporating climate change and sea level rise.

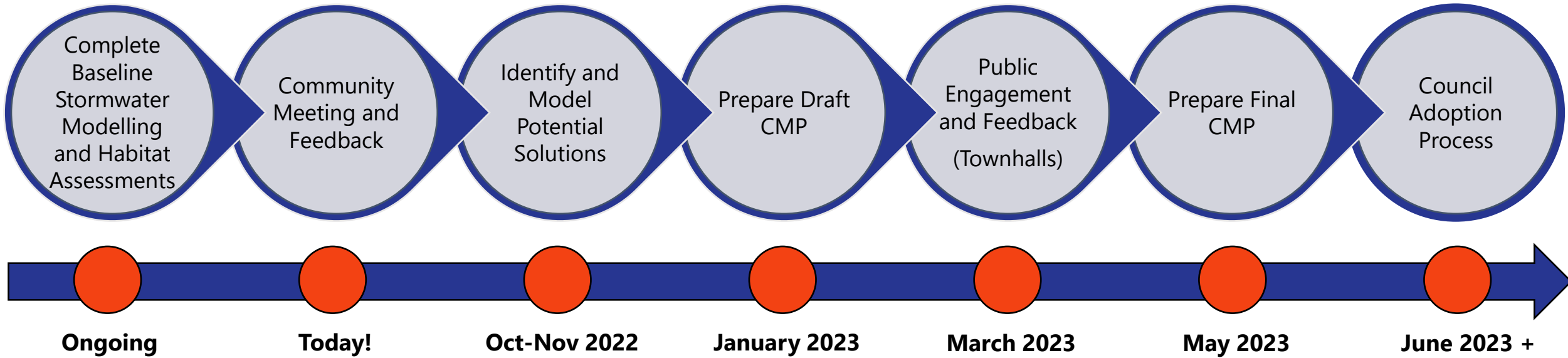
We are also planning stream habitat assessments which will take place over the spring/early summer, and we will be in touch with any affected landowners to coordinate.

We are starting to look at potential solutions for the identified issues, including stream plantings, culvert upgrades, stormwater detention, etc.



Baseline Model Results – 1% AEP

# Timeline – to be revised



# Next Steps

- Collect preliminary feedback on key issues in Māpua, Ruby Bay and Tasman from the community
- Finish the baseline stormwater modelling, incorporating the latest sea level rise guidance from the Ministry for the Environment
- Stream walks to assess aquatic habitat
- Identify and model potential solutions to address issues
- Draft the Catchment Management Plan for public consultation

**We would love to hear from you!**

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