

# MEMO

TO: Coastal Advisory Panel  
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FROM: Disna Pathirage, Stormwater & Coastal Asset Manager  
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SUBJECT: Coastal Asset Management Activity - Kapiti Coast District

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## 1 Background

Under the Council's current Coastal strategy we build and maintain coastal assets to protect public infrastructure such as: Roads, Wastewater/Stormwater/Water assets, Walkways, Beach accessways. We also provide hazard management as part of our role. Council support this activity by:

- Building operating and maintaining coastal defence structures
- Responding to callouts associated with stormsurges quickly and efficiently
- Planning for future development needs

## 2 Our Assets

Council own and manage a wide range of coastal assets. They are:

- Seawalls, and rock revetments (about 5.9km)
- Beach outlets (69)
- Coastal planting
- Beach accessways and dunes associated with Council owned infrastructure
- Beach signage

In Financial Year 2016/17, we completed a Coastal Assets Condition Assessment from Ōtaki to Paekākāriki. This was used to formulate the coastal assets work programme in 2018 Long Term Plan. Subsequent assessments completed in 2020/21 were used to update the coastal assets work programme in 2021 Long Term Plan.

## 3 Our Key Projects

Period	Projects	Status
2016/17 to 2020/21	Construction of Wharemauku temporary block wall Planting nearly 5000 native and sand binding plants. Construction of Arawa Street seawall Construction of Manly Street SW outlet	

	Wharemauku Block wall strengthening Replacement of walls at Raumati Beach Launching Ramp Replacement of storm water outfall at 243 Rosetta Road Replacement of Beach Access stairs at Willow Grove Raumati seawall repairs and Paekākāriki seawall repairs	All these projects are Completed
2021/22	Like for Like Replacement of Paekākāriki Seawall (900m) in stages Like for Like Replacement of Raumati Seawall (3.1km) Wharemauku block wall long-term solution Marine Garden retaining wall Replacement of Various stormwater outlets (districtwide)	Stage 1 Tender process Designs in progress Designs in progress Designs in progress Designs in progress

#### 4 Our Challenges and Issues

- Climate change – understanding the changes and how we can prepare for these changes
- Affordability – replacing or maintaining these assets is a significant investment
- Land ownership – A number of our coastal assets are situated on Old Coach route and the ownership issues associated with this historical road needs to be resolved
- Emergency response – Large scale storm events put significant pressure on our existing resources, with more frequent and larger events this will become more of an issue.
- Critical Infrastructure – Protecting roads, wastewater/stormwater / water assets situated in the coastal area
- Community expectation – Ratepayers expectation of Council's responsibility on providing protection to private property.

#### 5 How are we getting Ready

- *Emergency Response* – We are keeping a stockpile of materials (rock and geotextile) at KCDC operations depot. This allows us to respond quickly to events that impact the integrity of our coastal assets and the other infrastructure that are protected by coastal assets.
- *Design life of seawalls* - New national, regional and local policy settings are being developed. Until they are finalised, the current seawall designs are for

a design life of 25 years. This will allow Council sufficient time to develop new policies and shifting / relocating of infrastructure (if needed) as part of the new policies.

- *Stormwater discharges* – Stormwater upgrades and renewals include climate change provisions (sea level rise and the ability of our networks to discharge to sea or open water ways under gravity). However it is evident that there are some areas in the district where the network will be significantly impacted in future, due to sea level rise.
- *Asset Condition assessments* – We carry out periodic condition assessments of our coastal seawalls, beach outlets , accessways and rock revetments and the findings are used either to provide long term solutions on managing the assets or to carry out emergency works if the assets need urgent attention