

Locality summaries

LOCALITY: Beachmere

Beachmere is located in the northern section of Moreton Bay between Deception Bay and Godwin Beach (Figure 1). The beachfront settlement covers approximately 7 km of the shoreline. The beach consists of a narrow high tide strip of sand, fronted by 500 m wide low ridge sand flats.

Existing structures are in place to manage shoreline position and mitigate erosion, such as seawalls. Sections of existing public seawall have upgrades currently planned. The southern end of the shoreline is in a dynamic zone at the mouth of the Caboolture River.

This area is likely to be increasingly exposed to erosion and tidal and storm tide inundation into the future. Across the foreshore area, residential areas, roads and infrastructure may be at risk from erosion and inundation by 2100.

The present day adaptation response for Beachmere is to continue to mitigate coastal hazard risk and begin preparations for additional hazard mitigation and potential land use transition for very high intolerable risk areas. If a resilient built form cannot be achieved by 2050, planning would need to commence for a potential transition plan for very high risk areas of Beachmere.

The adaptation pathway includes a focus on protecting and enhancing vegetation, trialling a living shoreline design, maintaining existing protection works, reviewing the adaptation pathway over time and considering future alternatives (Table 1). Road and stormwater drainage upgrades are required to address the risk from rising sea levels and to reduce isolation of the community. Region-wide actions also apply where relevant to this locality.






Beachmere foreshore



Figure 1. Beachmere

Table 1. Beachmere adaptation pathway

		Sea level rise projections	
		0.3m	0.8m
	Present day	2050	2100
Adaptation response	Actively manage 	Actively manage 	Transition and change 
Adaptation Actions			
Region-wide initiatives to enhance custodianship	As per region-wide actions, including:		
<i>Education and knowledge sharing</i>	Facilitate knowledge sharing and education on coastal values, hazards and adaptation (link to 1.2).		
Planning	As per region-wide actions, including:		
<i>Place-based planning</i>	Develop place-based Local Resilience Plan for the foreshore areas of Beachmere to assist with coordinated adaptation and transition planning in the long-term.	Review adaptation pathway and reduce 2100 approach to “actively manage” if a resilient built form for very high intolerable risk properties is achieved.	
Maintaining and improving infrastructure	As per region-wide actions, including:		
<i>Increasing infrastructure resilience</i>	Promote resilient homes within the community and building sector (link in with action 1.2).		
<i>Relocate infrastructure</i>	Undertake a feasibility study for drainage upgrades and road/ services raising for Beachmere Road or alternative adaptation options.	Implement drainage upgrades and road/services raising.	
		Prepare Asset Management Plan to consider extent / use of the foreshore land and assets in the coastal hazard area, and alternatives for the future.	Implement relocation of assets in accordance with Asset Management Plan (if feasible).
Environmental protection, maintenance and enhancement	As per region-wide actions, including:		
<i>Dune and vegetation protection and maintenance</i>	Implement vegetation management plan in line with Beachmere Shoreline Management.		
<i>Environment</i>	Coastal management plans for the protection of highly valued environmental areas and significant habitat.		
	Investigate risks to key coastal environmental values, including options to respond to those risks, changing ecological needs and climate change considerations, so that our natural areas and habitats are connected, protected and enhanced.		
Coastal engineering and nature-based	As per region-wide actions identified in Table 35		
Coastal engineering	As per region-wide actions, including:		
<i>Coastal hazard protection works</i>	Review and implement the Shoreline Erosion Management Plan. Maintain existing shoreline protection works. Implement and guide property owners in implementing the approved A-Line alignment, technical requirements and development approval pathways in line with <i>Beachmere Shoreline Management</i> . Implement seawall prioritisation works at Moreton Terrace, Timothy Esplanade, Bakers Flat Road and Biggs Avenue.	Establish triggers for implementation. If triggered, undertake concept planning for additional structural protection or upgrades (if applicable).	If triggered, implement additional structural protection or upgrades (if applicable).