

Locality summaries

LOCALITY: Godwin Beach

Godwin Beach is located to the west of Sandstone Point with a 500 m long beachfront settlement. The Godwin Beach foreshore is a 30 m wide grassy reserve lined with casuarina trees and a low sloping seawall and stormwater outlets. Godwin Beach is fringed by mangroves and fronted by an intertidal ridged sand flat approximately 1 km wide (Figure 1).

The shoreline is likely to be increasingly exposed to beach erosion. Low-lying areas may be exposed to storm tide inundation and expanding tidal areas in the future. However, very limited public or private assets are expected to be impacted.

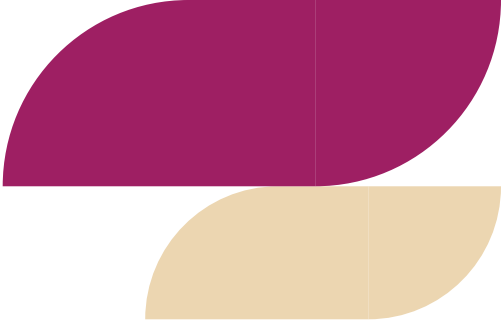
The adaptation pathway includes a focus on mangrove protection and enhancement, trialling a living shoreline design, maintenance and upgrades for foreshore protection works, resilient homes and drainage upgrades to inform the long-term adaptation pathway for the area (Table 1).




Review of the adaptation pathway will be ongoing and guided by the outcome of present day actions. Region-wide actions also apply where relevant to this locality.



Figure 1. Godwin Beach

Table 1. Godwin Beach adaptation pathway



	Sea level rise projections		
	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 as applicable.		
<i>Education and knowledge sharing</i>	Facilitate knowledge sharing and education on coastal values, hazards and adaptations (link with action 1.2).		
Planning	As per region-wide actions, including:		
<i>Place-based planning</i>	Continue to partner with First Nation representatives to manage Godwin Beach Reserve (link with action 1.2.1)		
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).		
Environmental protection, maintenance and enhancement	As per region-wide actions, including:		
<i>Dune and vegetation protection and maintenance</i>	Continue to partner with First Nation representative to undertake dune and riparian protection, enhancement and management using traditional approaches.		
<i>Environmental enhancement</i>	Coastal management plans for the protection of highly valued environmental areas and significant habitat adjacent to the Godwin Beach urban area.		
	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, including:		
<i>Living shorelines</i>	Living shoreline pilot site - develop concept design and monitoring plan for living shoreline in front of The Esplanade (link to action 1.3.3) Implement living shoreline design and review the effectiveness of living shoreline design.	If successful, continue to implement living shoreline design and expand as necessary. Review of effectiveness of living shoreline design. If living shoreline does not achieve expected level of service, consider hybrid or other solutions. Review pathway options and establish triggers for change of pathway.	Review of effectiveness of living shoreline design. Review pathway options.
Coastal engineering and nature-based	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.	If triggered, undertake concept planning for additional structural protection or upgrades (if applicable).	If triggered, implement additional structural protection or upgrades (if applicable).