

Locality summaries

LOCALITY: Woorim

Woorim is located at the western side of Bribie Island and spreads for 3 km along the beach (Figure 1). The Woorim community highly value living on the coast and accessing the natural environments. Its coastal areas support an abundance of marine wildlife, including turtles, shorebirds and dugong. Woorim Beach is also known as important nesting habitat for endangered loggerhead turtles. Other highly valued places include the Woorim foreshore, beaches and beachside facilities such as parks and walking tracks. Woorim is one of two beaches in the region with a wheelchair accessibility ramp and beach matting.

The Woorim community already observes and experiences some impacts of coastal hazards. The Woorim foreshore is likely to be increasingly exposed to open coast erosion into the future. Tidal inundation areas and those prone to

temporary storm tide inundation may also expand up Freshwater Creek Lagoon. Assets at risk include public infrastructure in the foreshore area and environmental areas.

The present day adaptation response for Woorim is to continue to actively manage coastal hazard risk, and begin preparations for additional hazard mitigation and planning for impacts including potential transition of the foreshore use in the future.

The adaptation pathway includes a focus on protecting and enhancing the existing natural coastal hazard defences (the dune system) and undertake beach nourishment campaigns when necessary.

Review of the adaptation pathway will be ongoing and guided by the outcome of present day actions (Table 1). Region-wide actions also apply where relevant to this locality






Figure 1. Woorim

Table 1. Woorim adaptation pathway

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:				
Community stewardship	Continue stewardship program / initiatives.				
Monitoring	Establish photo-point (CoastsSnap) monitoring system.				
Planning	As per region-wide actions as applicable identified in Table 35.				
Maintaining and improving infrastructure	As per region-wide actions as applicable identified in Table 35.				
Environmental protection, maintenance and enhancement	As per region-wide actions, including:				
Dune and vegetation protection and maintenance	Support community dune protection initiatives.				
Environmental enhancement	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, including:				
Beach nourishment	Review and implement Shoreline Erosion Management Plan. Review the effectiveness of current Woorim Beach sand back-passing trial. Continue beach nourishment program at key locations.	Review and consider a long-term program for beach nourishment and maintenance.			
Coastal engineering	As per region-wide actions, including:				
Coastal hazard protection works		If sand back-passing is not providing adequate protection, investigate last line of defence structures (e.g. seawall, revetment). Establish triggers for implementation. If triggered, prepare design and approvals for last line of defence structure (if applicable).	If triggered, implement last line of defence structures (if applicable).		