Locality summaries

LOCALITY: Rothwell

Rothwell is situated in the west of the Redcliffe Peninsula. It is bounded by Deception Bay to the west and Saltwater Creek to the south and southwest (Figure 1). This area includes the Redcliffe Aerodrome and the largest portion of the internationally significant Moreton Bay Ramsar site, which spans the shoreline.

The mangroves provide a natural defence to erosion events. Across the foreshore area, a limited number of public assets, roads and infrastructure are at risk.

The present day adaptation response for Rothwell is to continue to monitor coastal hazard risk and begin preparations for additional hazard mitigation in the future.

The adaptation pathway includes a focus on mangrove protection and enhancement, environmental stewardship, reviewing the adaptation pathway over time and considering future alternatives (Table 1). Region-wide actions also apply where relevant to this locality.

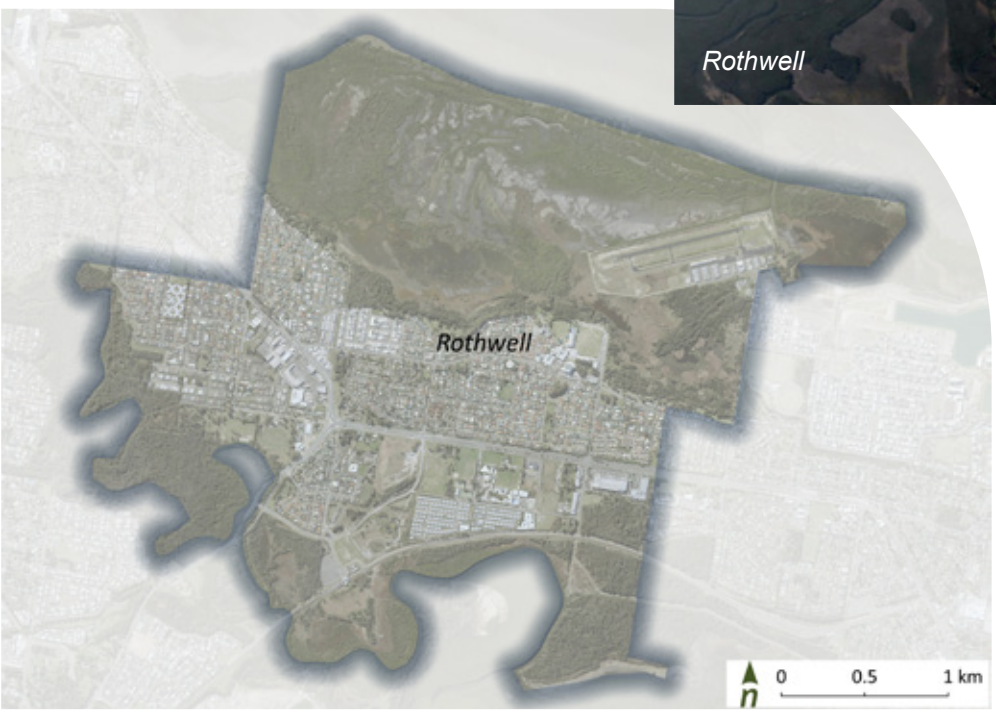

Figure 1. Rothwell

Table 1. Rothwell adaptation pathway

Sea level rise projections

	Present day	0.3m 2050	0.8m 2100
Adaptation response	**Monitor (Look and learn)**	**Actively manage**	**Transition and change**
Adaptation Actions			
Region-wide initiatives to enhance custodianship	As per region-wide actions, including:		
Knowledge sharing	Focus on action 1.2.3 – enhance signage on hazards and coastal environmental values.		
Planning updates	As per region-wide actions identified in Table 35.		
Maintaining and improving infrastructure	As per region-wide actions, including:		
Relocate infrastructure	Prepare Asset Management Plan to consider works to the Redcliffe Aerodrome and Anzac Avenue for future use.		Implement works and / or relocation of assets in accordance with Asset Management Plan (if feasible).
Environmental protection, maintenance and enhancement	As per region-wide actions, including:		
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 identified in Table 35.		
Coastal engineering	As per region-wide actions, including:		
Coastal hazard protection works		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).