

# Locality summaries

## LOCALITY: Scarborough

Scarborough is the northern most locality on the Redcliffe Peninsula (Figure 1). Scarborough is spread over either side of the northern Reef Point. To the west is Jamieson Park and Scarborough Boat Harbour. Jamieson Park is a low energy, red gravely sandy high tide beach, fronted by a 300 m wide rock and sand flats and backed by a seawall and stormwater outlets.

Scarborough beaches are located on the east side of the point and face east of Moreton Bay. Scarborough Beach is bordered at both ends by groynes. It is backed by a large grassy foreshore with toilets, a picnic area and a playground.

Existing structures are in place to manage shoreline position and mitigate erosion, including groynes and seawalls. Low lying areas are prone to stormwater drainage issues during large tides and heavy rainfall.

Scarborough is likely to be increasingly exposed to erosion and tidal and storm tide inundation into the future. Across the foreshore area, public assets including beach access and recreation infrastructure, and private assets, may be at risk from erosion and inundation by 2100.

The present day adaptation response for Scarborough is to continue to actively monitor coastal hazard risk, trialling a living shoreline design, establish a pilot Local Resilience Plan, and begin preparations for additional hazard mitigation and potential land use transition for very high intolerable risk areas (Table 1). Region-wide actions also apply where relevant to this locality.



Scarborough Beach, Scarborough

Figure 1. Scarborough

**Table 1. Scarborough adaptation pathway**



Sea level rise projections

0.3m

0.8m

Table 1. Scarborough adaptation pathway		Sea level rise projections	
		0.3m	0.8m
	Present day	2050	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:		
Community stewardship	Establish photo-point (CoastSnap) monitoring system.		
Planning	As per region-wide actions, including:		
Place-based planning	Local Resilience Plan pilot site - develop place-based Local Resilience Plan for the Jamieson Park foreshore area to assist with coordinated adaptation and transition planning in the long-term.		
Maintaining and improving infrastructure	As per region-wide actions, including:		
Increasing infrastructure resilience	<p>Promote resilient homes within the community and building sector (link in with action 1.2).</p> <p>Review opportunities to improve drainage networks and backflow prevention devices where the risk of inundation is high (embedded within asset management plan).</p> <p>Investigate the drainage network including stormwater run-off and tidal inundation as part of the Local Resilience Plan. This includes reviewing opportunities to improve overland flow paths to enhance the existing drainage network, especially at locations connecting to the bay.</p>		
Environmental protection, maintenance and enhancement	As per region-wide actions identified in Table 35.		
Coastal engineering and nature-based	As per region-wide actions, including:		
Living shorelines	<p>Living shoreline pilot site - develop concept design and monitoring plan for living shoreline in front of Oyster Point (link to action 1.3.3).</p> <p>Implement living shoreline Design. Review effectiveness of living shoreline design.</p>	<p>If successful, continue to implement living shoreline design and expand as necessary. Review of effectiveness of living shoreline design.</p> <p>If living shoreline does not achieve expected level of service, consider hybrid or other solutions.</p> <p>Review pathway options and establish triggers for change of pathway.</p>	<p>Review of effectiveness of living shoreline design.</p> <p>Review pathway options.</p>
Coastal engineering	As per region-wide actions, including:		
Coastal hazard protection works	<p>Review and implement the Shoreline Erosion Management Plan. Maintain existing shoreline protection works.</p> <p>Implement seawall prioritisation works at Oyster Point Esplanade, Reef Point Esplanade (Jamieson Park), Prince Edward Parade, Landsborough Avenue, Flinders Parade, Beach Park (groynes), Kennedy Esplanade and Fortune Street.</p>	If triggered, undertake concept planning for additional structural protection or upgrades (if applicable).	If triggered, implement additional structural protection or upgrades (if applicable).