

# Locality summaries

## **LOCALITY:** Deception Bay

Deception Bay is situated in the south-western corner of the bay (Figure 1). Deception Bay also hosts a portion of the internationally significant Moreton Bay Ramsar site, which is of high ecological value and a key habitat for migratory shorebirds.

This section of the coast is likely to be increasingly prone to tidal and storm tide inundation in the future. Assets that may be at risk include public foreshore infrastructure, roads, some private assets, and the Moreton Bay Ramsar site.

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

The adaptation pathway includes a focus on protecting and enhancing vegetation, maintaining existing protection works, reviewing the adaptation pathway over time, and considering future alternatives (Table 1). Region-wide actions also apply where relevant to this locality.

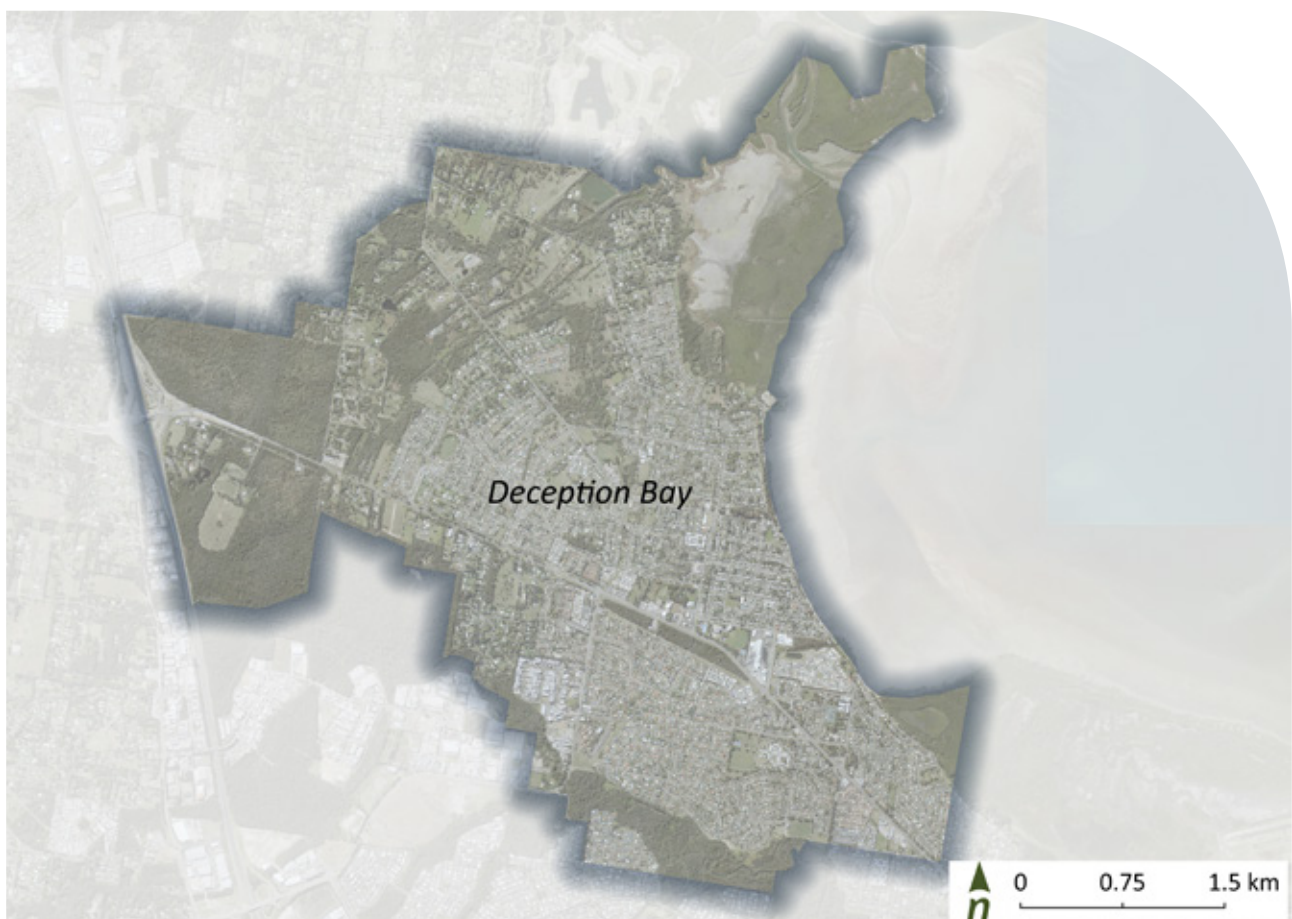






Figure 1. South Deception Bay

**Table 1. Deception Bay adaptation pathway**



	Present day	2050	2100
Adaptation response	<b>Monitor</b> (Look and learn) 	<b>Actively manage</b> 	<b>Transition and change</b> 
Adaptation Actions			
<b>Region-wide initiatives to enhance custodianship</b>	As per region-wide actions, including:		
<i>Community stewardship</i>	Establish photo-point (CoastSnap) monitoring system.		
<b>Planning</b>	As per region-wide actions identified in Table 35.		
<b>Maintaining and improving infrastructure</b>	As per region-wide actions identified in Table 35.		
<b>Environmental protection, maintenance and enhancement</b>	As per region-wide actions, including:		
<i>Environmental enhancement</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.		
<b>Coastal engineering and nature-based</b>	As per region-wide actions identified in Table 35.		
<b>Coastal engineering</b>	As per region-wide actions, including:		
<i>Coastal hazard protection works</i>	Maintain existing shoreline protection works. Implement seawall prioritisation works at Esplanade.	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).