6.1 Reporting region 1: Mount Larcom

Landscape

Mount Larcom is situated at the northern extent of the Gladstone region coastline. The land surrounding Mount Larcom is relatively low-lying and is characterised by tidal inlets, mangroves and estuaries (Figure 8). At the northernmost section of the region is Balaclava Island, which is located on the Fitzroy River estuary. Curtis Island shelters this region from open coast processes.

Sections of this region are protected under Rundle Range National Park and Rundle State Forest. There are wetlands of high ecological significance and fish habitat areas.

Sparsely populated, the area has limited built infrastructure and facilities, including roads, boat ramps and 4WD tracks. There are also major gas pipelines running between Curtis Island to Targinnie.

Coastal hazards exposure and implications

This region will primarily be impacted by tidal and storm tide inundation and is likely to be increasingly exposed in the future. Its sheltered location and estuarine frontage with a natural resilience, limit the coastal erosion risk.

Assets increasingly at risk from inundation include some roads and facilities (boat ramps, 4WD tracks). Major gas pipelines running from Curtis Island to Targinnie are also within inundation prone areas, along with associated infrastructure. However, infrastructure design is likely to be resilient.

Increasing inundation may also impact mangroves, fish habitats and wetlands of environmental significance, which may result in natural migration and re-establishment of these communities further inland with increasing tidal areas.

The present day adaptation response for Reporting region 1 is to monitor coastal hazard risk. The inundation risk is expected to remain low and minimal buildings and infrastructure are likely to be impacted by 2100 (Table 13).

The adaptation pathway for Reporting region 1 focusses on the region-wide actions, with consideration to updating disaster management arrangements.



Figure 8. Reporting region 1 (Mount Larcom)

	Present Day	2060	2100
Adaptation response	Monitor	Monitor	Monitor
Adaptation actions			
1. Capacity building	As per region-wide actions		
2. Planning updates	As per region-wide actions, including:		
2.2 Disaster management	Update local disaster management planning for this locality based on updated coastal hazard maps		
3. Modifying infrastructure	As per region-wide actions		
4. Coastal management and engineering	As per region-wide actions		

Table 13. Reporting region 1 adaptation pathway



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