Clifton Beach and Kewarra Beach, approximately 23 km from the CBD, are home to more than 8000 people. These communities boast picturesque quiet beaches, parklands and a mix of housing, retail and businesses.

**COMMUNITY ASSETS AT RISK BY 2100**
- Beaches
- Foreshore parks
- Surf life saving infrastructure at Kewarra Beach
- Environmental areas

*(e.g. Brolga Park Drainage Reserve, Gibson Close Reserve)*

- Various roads (e.g. Arlington Esplanade and Clifton Road)

Areas vulnerable to erosion or inundation (high tide and storm tide) if sea levels rise by 0.8 metres by 2100 as predicted, and no adaptation action is taken.

*Mapping is in draft form for consultation purposes. For more information www.cairns.qld.gov.au/ourcairnscoast*

**Local Adaptation Pathways to respond to coastal hazards**

(For community assets, based on monitored sea level rise)

### BEACH & FORESHORE MANAGEMENT
- Beach access management (remove unnecessary or informal access, formalise appropriate public paths and inspect and repair access after erosion)
- Beach scraping as required to reinforce dunes and reduce risks of erosion scars
- Beach nourishment on both beaches as required
- Dune maintenance and enhancement seaward of Arlington Esplanade and north of the seawall along Clifton Beach, and along areas of Kewarra Beach
- Develop local adaptation plan for foreshore incorporating nature-based solutions

### MODIFY INFRASTRUCTURE AND HAZARD RESILIENT DESIGN
- Relocate existing community infrastructure that is at the end of its design life, such as public toilets and paths near Clifton Beach and Kewarra Beach and the sewage pump station on Kewarra Street to reduce their exposure to coastal hazard risks
- Relocate existing foreshore park assets that need updating or locate new assets outside the coastal hazard area
- Manually change land levels or road levels within coastal inundation hazard areas to reduce risk for new or upgraded public assets. This should focus on public land along Arlington Esplanade at Clifton Beach that may become inundated from Euston Close Reserve

### COASTAL ENGINEERING
- Maintain existing foreshore and shoreline structures (e.g. existing seawall at the southern end of beach and foreshore retaining wall at Deadmans Gully Park)
- Construction of a seawall at Clifton Beach to protect roads
- Small groynes to complement beach nourishment and hold sand in target areas as required

### ACCEPT THE RISK AND EMBRACE COASTAL PROCESSES
- Allow erosion of the foreshore in areas that do not have critical public assets, such as Deadmans Gully Reserve

**WHAT THE COMMUNITY VALUES**
- Culturally significant sites
- Open coast
- Restaurants and amenities
- Beachside palm trees
- Ecological areas with Flying Fox habitat

**COMMUNITY ADAPTATION PRIORITIES**
- Restoring wetlands to protect wildlife habitat
- Planning policy responses to provide a suitable buffer zone to coastal hazards
- Vegetation and dune management / construction
- Avoiding further intensifying development in public land along the esplanade