# HOLLOWAYS + MACHANS BEACHES

Holloways Beach and Machans Beach are the northern beach suburbs closest to Cairns city and to the airport. These localities are well loved for their beaches, recreational activities, fishing spots, estuaries, wetlands, coastal cafes and sense of community.



#### 🔺 HOLLOWAYS BEACH



- Erosion has occurred along Holloways Beach causing a narrowing of dunes that protect shoreline development
- Beach nourishment works have occurred at Holloways Beach which is typically placed seaward of the rock revetment to protect residences along Hibiscus Lane and maintain the foreshore. Recent groynes have been installed to reduce the need for sand nourishment.
- Creek entrances have typically supported the sand supply at Machans Beach however, a rock seawall built in 2016 has assisted in continuing to stabilise the beach. This has resulted in sand being deposited at the northern end of Holloways Beach which is used as a source for sand nourishment.

## WHAT THE **COMMUNITY VALUES**

- Culturally significant sites
- Beach and foreshore recreational areas
- Mangroves and fish habitat at river mouths
- Littoral rainforest

# Local Adaptation Pathways to respond to coastal hazards MED TERM SHORT TERM LONG TERM (For community assets, based on monitored sea level rise) 0-0.3m 0.3-0.6m >0.6m ssary or informal nd inspect and repair and. es and reduce risks of o maintain beach width une crest is minimal sewage pump stations, design life, and ensure stal hazards need updating or d area oynes and seawalls nt and beach he southern portion of Holloways Beach to of beach nourishment, ys Beach eloped, particularly ays Beach and to the

BEACH & FORESHORE MANAGEMENT	<ul> <li>Beach access management (remove unnece access, formalise appropriate public paths a access after erosion) focusing on Redden Isl</li> </ul>
	<ul> <li>Beach scraping as required to reinforce dune erosion scarps</li> </ul>
	<ul> <li>Undertake or continue beach nourishment to and visual amenity of public foreshore</li> </ul>
	• Dune construction along foreshore where do
MODIFY INFRASTRUCTURE AND HAZARD RESILIENT DESIGN	<ul> <li>Plan to update or relocate toilet blocks and s the boat ramp at Holloways Beach at end of roads, bridges and trails are resilient to coas</li> </ul>
	<ul> <li>Relocate existing foreshore park assets that locate new assets outside the coastal hazard</li> </ul>
	<ul> <li>Maintain existing structures, including the gr protecting public infrastructure</li> </ul>
	<ul> <li>Seawall may be required if dune manageme nourishment are not viable, particularly for t Machans Beach and Holloways Beach.</li> </ul>
	<ul> <li>Refurbish or realign the existing seawall at F reduce erosion pressures</li> </ul>
	<ul> <li>Consider small groynes to maximise benefit particularly for the northern end of Holloward</li> </ul>
	Tidal gates around creek mouths as required
ACCEPT THE RISK AND EMBRACE COASTAL PROCESSES	<ul> <li>Allow shoreline erosion where land is under to the north of Poinsettia Reserve at Hollows northern end of Machans Beach</li> </ul>

- Traditional Custodian values

### **COMMUNITY ADAPTATION PRIORITIES**

- Creek mouth management
- Dune vegetation management
- Coastal engineering in specific areas (i.e. tidal gate, levee)
- Planning considerations
- Maintain or enhance extent of current wetlands
- Modify existing infrastructure to be resilient to coastal hazards