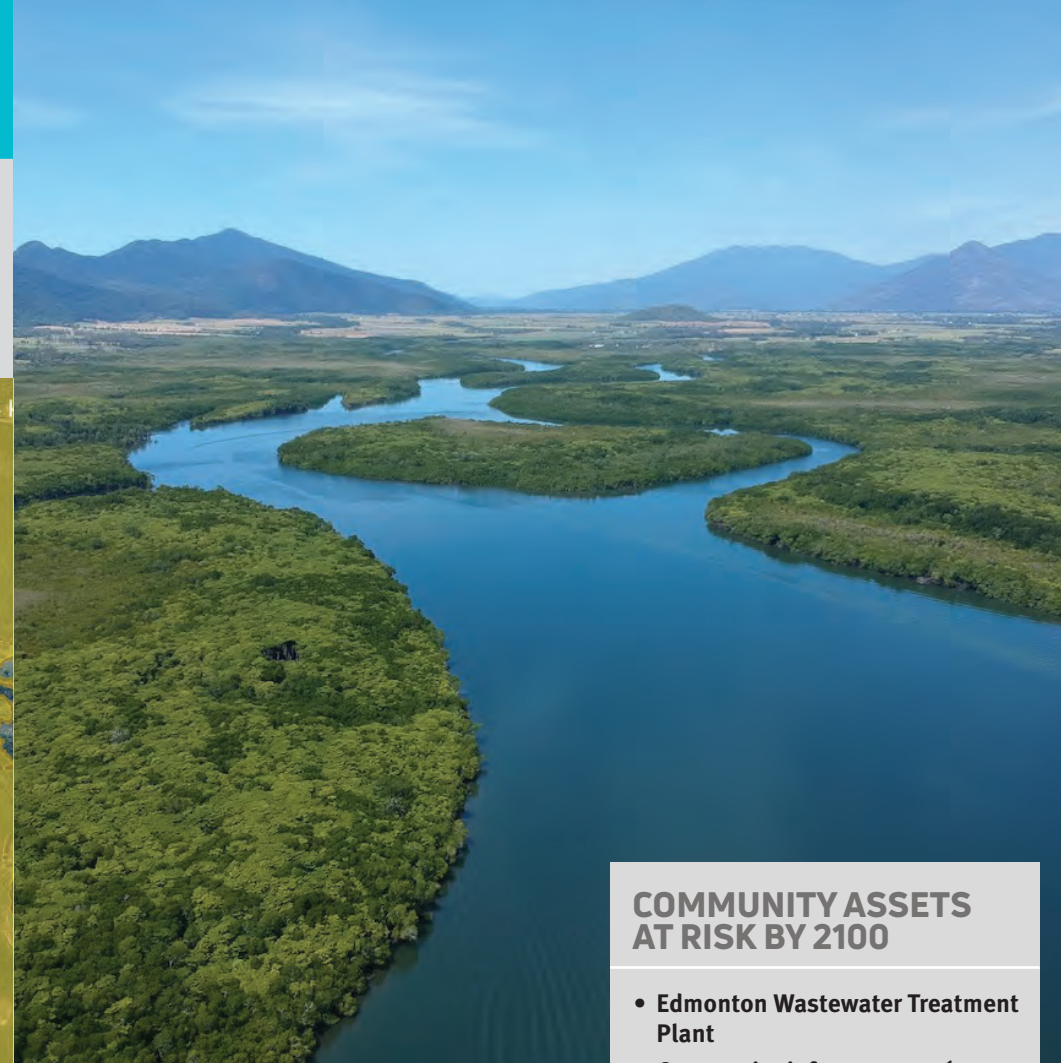
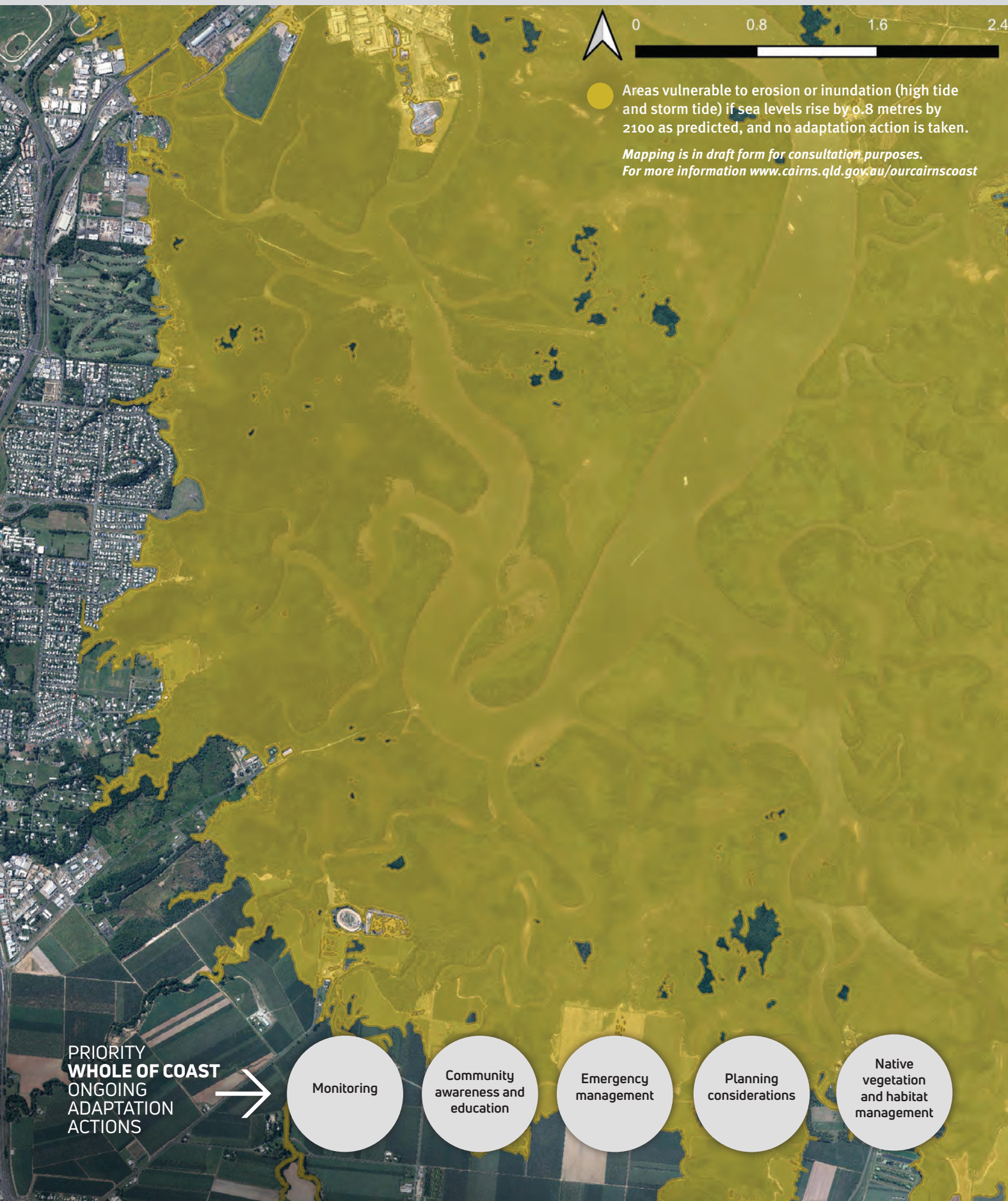


Edmonton is located at the southern end of the region's urban settlement about 15km south of Cairns CBD. Historically, sugarcane was area's primary industry but the area has experienced rapid housing, business and industrial with a population of 10,750 in residential areas and outlying rural properties.



WHAT THE COMMUNITY VALUES

- Traditional Custodian values
- Cane farming lands
- Scenic values
- Trinity Inlet and Admiralty Island for its cultural heritage and ecosystem values
- Protection of wetlands
- Sugarworld water park and recreation area

COMMUNITY ADAPTATION PRIORITIES

- Planning considerations
- Avoid long-life assets in coastal hazard areas
- Modify existing infrastructure to be resilient to coastal hazards

COMMUNITY ASSETS AT RISK BY 2100

- Edmonton Wastewater Treatment Plant
- Community infrastructure (e.g. sports facilities, golf club, parks)
- Parks and environmental assets (e.g. Cracknell Rd Drainage Reserve and Fishermans Rd Park)
- Various roads (48 km within the coastal hazard areas)
- Servicing (e.g. sewerage and water pipes)

- The main township area of Edmonton is outside the coastal hazard extent
- Storm-tide inundation and permanent sea level rise poses severe risk to the greatest number of assets
- Edmonton Wastewater Treatment Plant and Southern Wastewater Treatment Plan are both at risk from coastal hazards



Local Adaptation Pathways to respond to coastal hazards

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

TIMING BASED ON SEA LEVEL RISE

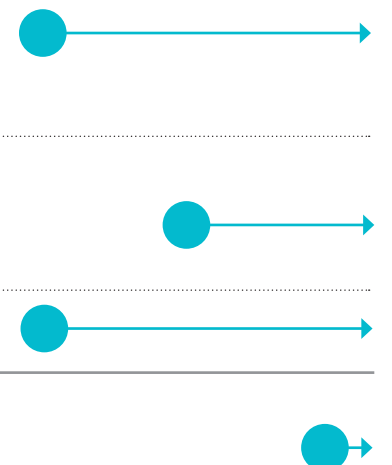
SHORT TERM	MED TERM	LONG TERM
0-0.3m	0.3-0.6m	>0.6m

MODIFY INFRASTRUCTURE AND HAZARD RESILIENT DESIGN

- Plan and update existing infrastructure at end of design life (e.g. raise infrastructure, bund wall) to be resilient to coastal hazards or locate new infrastructure to be outside inundation areas, particularly relevant for wastewater treatment plants and pump stations
- Manually change land levels or road levels within coastal inundation hazard areas to reduce risk for new or upgraded assets, particularly focusing on the Edmonton Wastewater Treatment Plant
- Levees to hold shoreline in the current position and protect public assets

ACCEPT THE RISK AND EMBRACE COASTAL PROCESSES

- Progressively review or relocate infrastructure as inundation encroaches assets



PRIORITY
WHOLE OF COAST
ONGOING
ADAPTATION
ACTIONS



Monitoring

Community
awareness and
education

Emergency
management

Planning
considerations

Native
vegetation
and habitat
management