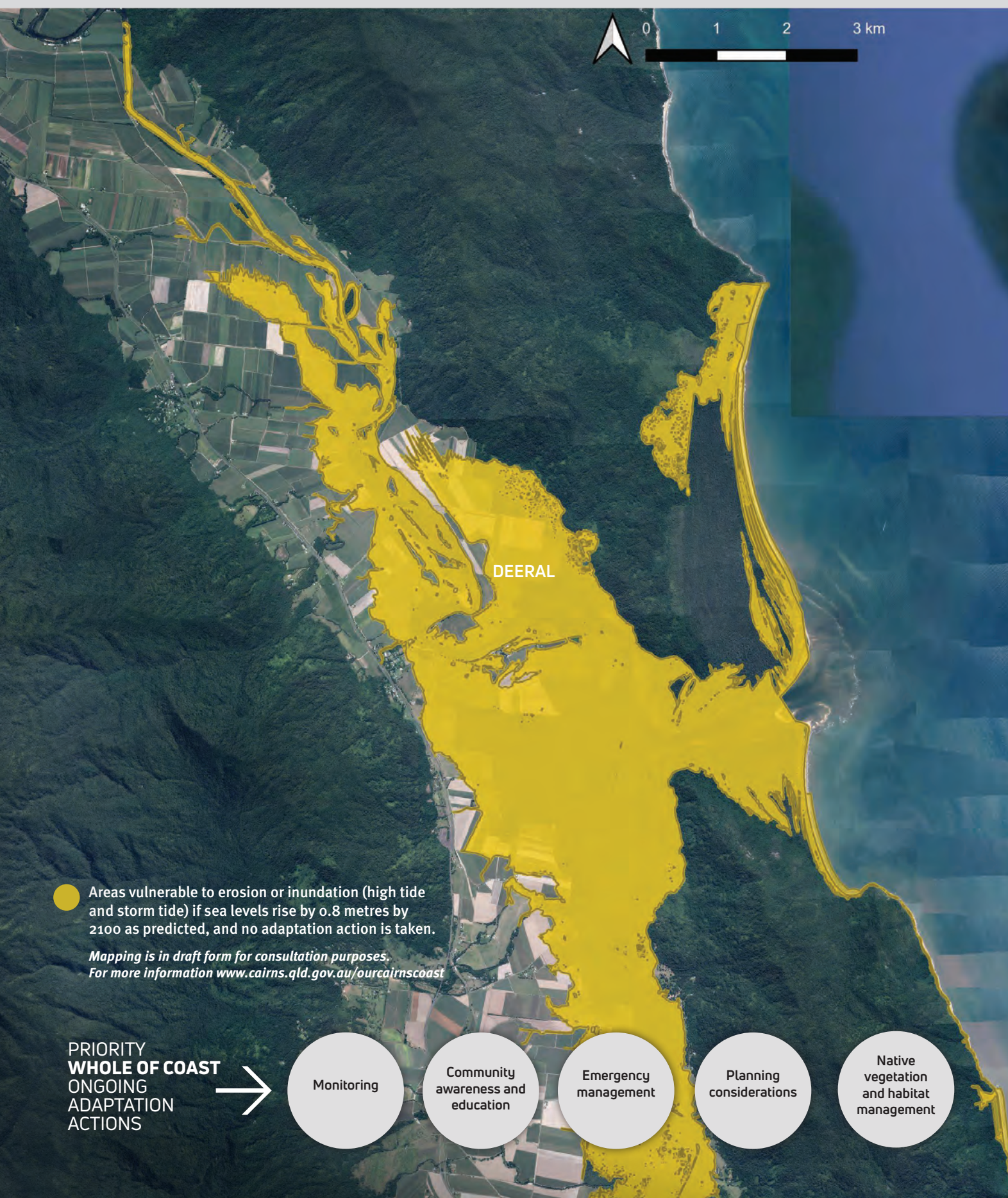


# DEERAL + RUSSELL HEADS

Deeral and Russell Heads are located 45 to 65 km south of Cairns CBD in an area dotted with small rural and residential communities connected by the Mulgrave River. The area is also the gateway to the nearby Frankland Islands.



PRIORITY  
WHOLE OF COAST  
ONGOING  
ADAPTATION  
ACTIONS



Monitoring

Community  
awareness and  
education

Emergency  
management

Planning  
considerations

Native  
vegetation  
and habitat  
management

## DEERAL + RUSSELL HEADS

### WHAT THE COMMUNITY VALUES

- Access to Frankland Islands
- Boat ramp
- Schools
- Holiday shacks
- Marine plants around the rivers
- Cane farms

### COMMUNITY ADAPTATION PRIORITIES

- Planning considerations
- Planned transition and relocation of important assets
- Vegetation management along the length of Mulgrave and Russell Rivers
- Detailed investigation to develop a landfill management review
- Dune vegetation management and dune / beach monitoring

### COMMUNITY ASSETS AT RISK BY 2100

- Foreshore parks
- Various road (about 76 kms)
- Supporting services

- Low-lying areas adjoining the rivers are vulnerable to storm-tide inundation and sea level rise impacts
- Cultural and environmental assets as well as important infrastructure are effected by coastal hazards

- Russell Heads beaches are currently stabilised by a 150m groyne
- There is a very narrow foreshore area between the shoreline and development making erosion damage likely during storm events.

### 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

#### BEACH & FORESHORE MANAGEMENT

- Beach access management (remove unnecessary or informal access, formalise appropriate public paths and inspect and repair access after erosion)



#### COASTAL ENGINEERING

- Support maintenance of existing groyne to hold shoreline into position while viable



#### ACCEPT THE RISK AND EMBRACE COASTAL PROCESSES

- Progressively review or relocate infrastructure as inundation encroaches on assets, mainly in foreshore areas on either side of the creek mouth

