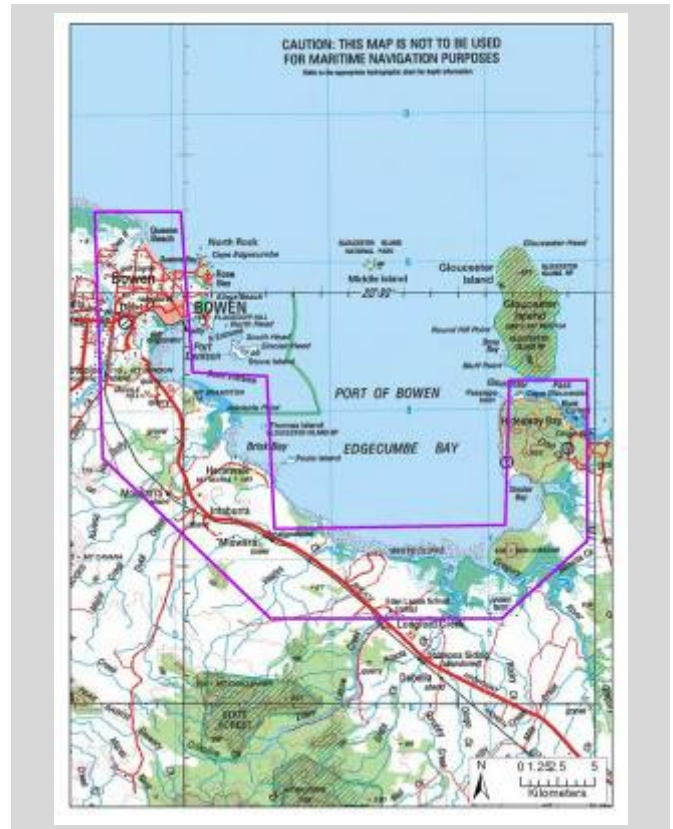


# Edgecumbe Bay

## MAINLAND ISLAND CHARACTERISTICS

|                           |                               |
|---------------------------|-------------------------------|
| <b>Jurisdiction</b>       | Queensland                    |
| <b>NRM Regions</b>        | Burdekin<br>Mackay Whitsunday |
| <b>LGA</b>                | Whitsunday Regional           |
| <b>Size</b>               | 34, 000 hectares              |
| <b>Dominant Type</b>      | Eucalypt woodlands            |
| <b>Land Tenure</b>        | Agriculture, Urban            |
| <b>Surrounding Issues</b> | Land use<br>Weed density      |



| Overall Priority | Conservation Value | Threat Status |
|------------------|--------------------|---------------|
| Very High        | Very High          | Very High     |

## Key Biodiversity Values

### Key biodiversity and conservation values of EDGE CUMBE BAY

- 24 threatened species
- 2 threatened communities
- 26 migratory species
- Very high species richness
- Very high endemism
- 2 nationally important aquatic ecosystems
- Native vegetation present
- Vertebrate pest species present

## CONSERVATION VALUE

| Categories                       | Ranks/Scores   |
|----------------------------------|----------------|
| <b>1 Biodiversity values</b>     | Very High (16) |
| <b>2 Uniqueness</b>              | Medium (2)     |
| <b>3 Representativeness</b>      | High (3)       |
| <b>4 Adjacency</b>               | Medium (2)     |
| <b>5 Area to perimeter ratio</b> | Medium (2)     |

## THREAT STATUS

| Categories                                 | Ranks/Scores  |
|--|---------------|
| <b>1 Density of pest species</b>           | Medium (4)    |
| <b>2 Pest impact level</b>                 | Very High (8) |
| <b>3 Invasion fronts/range boundaries</b>  | High (3)      |
| <b>4 Land use risk</b>                     | Very High (5) |
| <b>5 Weed density</b>                      | Very High (4) |
| <b>6 Area without statutory protection</b> | High (3)      |



# Key Threats and Impacts

## Pest Species Present or Potentially Present

|                                     |                      |                                     |              |                                     |                              |                                     |                                       |
|-------------------------------------|----------------------|-------------------------------------|--------------|-------------------------------------|------------------------------|-------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> | Cane toad            | <input checked="" type="checkbox"/> | Feral cat    | <input checked="" type="checkbox"/> | Feral pig                    | <input checked="" type="checkbox"/> | Rodents                               |
| <input type="checkbox"/>            | Carp, European carp  | <input type="checkbox"/>            | Feral deer   | <input type="checkbox"/>            | Feral water buffalo          | <input type="checkbox"/>            | Tilapia, Mozambique Tilapia           |
| <input checked="" type="checkbox"/> | European red fox     | <input checked="" type="checkbox"/> | Feral donkey | <input checked="" type="checkbox"/> | Indian Myna, Common Myna     | <input type="checkbox"/>            | Weather loach; Oriental weather loach |
| <input checked="" type="checkbox"/> | European wild rabbit | <input type="checkbox"/>            | Feral goat   | <input checked="" type="checkbox"/> | Mosquito fish, Plague Minnow | <input checked="" type="checkbox"/> | Wild dog                              |
| <input type="checkbox"/>            | Feral camel          | <input checked="" type="checkbox"/> | Feral horse  | <input type="checkbox"/>            | Red-eared slider turtle      | <input type="checkbox"/>            | Other                                 |

## Potential impacts of pest species on matters of National Environmental Significance

|  |  |   |  |
|--|--|---|--|
| <b>Cane toad</b><br><i>Dasyurus hallucatus</i>                 |  | <b>European red fox</b><br><i>Caretta caretta</i>       |  |
| <i>Merops ornatus</i>  |  | <i>Natator depressus</i>                                |  |
| <b>Feral cat</b><br><i>Apus pacificus</i>                      |  | <i>Chelonia mydas</i>                                   |  |
| <i>Eretmochelys imbricata</i>                                  |  | <i>Dermochelys coriacea</i>                             |  |
| <i>Geophaps scripta scripta</i>                                |  | <i>Rostratula australis</i>                             |  |
| <i>Macronectes giganteus</i>                                   |  | <i>Sterna albifrons</i>                                 |  |
| <i>Monarcha melanopsis</i>                                     |  | <i>Macronectes giganteus</i>                            |  |
| <i>Pterodroma neglecta neglecta</i>                            |  | <i>Merops ornatus</i>                                   |  |
| <i>Xeromys myoides</i>   |  | <b>Feral pig</b><br><i>Caretta caretta</i>              |  |
| <b>Wild dog</b><br><i>Eretmochelys imbricata</i>               |  | <i>Chelonia mydas</i>                                   |  |
| <i>Merops ornatus</i>  |  | <i>Dermochelys coriacea</i>                             |  |
| <b>European wild rabbit</b><br><i>Geophaps scripta scripta</i> |  | <b>Feral water buffalo</b><br><i>Crocodylus porosus</i> |  |
| <i>Pterodroma neglecta neglecta</i>                            |  |   |  |
| <i>Macronectes giganteus</i>                                   |  |   |  |

### Other threatening processes

- Situated on pest invasion front / range boundary
- High risk land use
- High density of Weeds of National Significance
- Lack of statutory protection
- Increased potential for edge effects
- Isolated from other high conservation value islands

### Highest priority biodiversity issues

Actions to reduce the impact of pests (fox, wild dog, pig) that prey on eggs of marine turtles (under the marine turtle recovery plan)

Other threatening processes

Impacts of the European red fox

