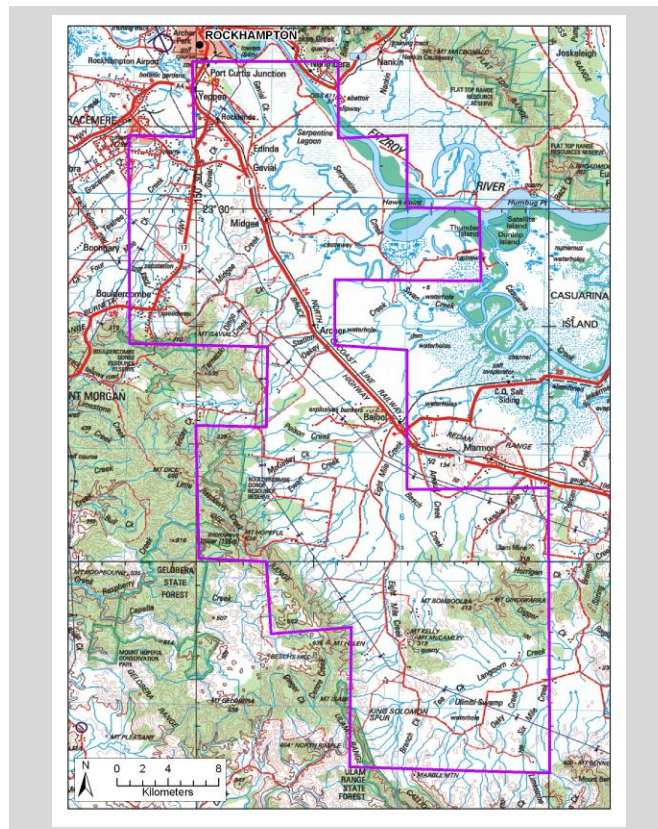


Bouldercombe

MAINLAND ISLAND CHARACTERISTICS

Jurisdiction	Queensland
NRM Region	Fitzroy
LGAs	Banana Shire Gladstone Regional Rockhampton Regional
Size	92, 000 hectares
Dominant Type	Cleared, non-native vegetation, buildings
Land Tenure	Agriculture
Surrounding Issues	Lack of native vegetation Land use Pest density Weed density



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

Key Biodiversity Values

Key biodiversity and conservation values of BOULDERCOMBE

- 27 threatened species
- 3 threatened communities
- 22 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
1 Biodiversity values	Very High (16)
2 Uniqueness	Low (1)
3 Representativeness	Low (1)
4 Adjacency	Very High (4)
5 Area to perimeter ratio	High (3)

THREAT STATUS

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



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 checked="" 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 checked="" 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

Cane toad <i>Dasyurus hallucatus</i> <i>Merops ornatus</i> <i>Denisonia maculata</i>		European red fox <i>Caretta caretta</i> <i>Natator depressus</i> <i>Chelonia mydas</i> <i>Neochmia ruficauda ruficauda</i> <i>Dermochelys coriacea</i> <i>Numenius minutus</i> <i>Erythrotriorchis radiatus</i> <i>Rheodytes leukops</i> <i>Geophaps scripta scripta</i> <i>Rostratula australis</i> <i>Macronectes giganteus</i> <i>Sterna albifrons</i> <i>Merops ornatus</i> <i>Xeromys myoides</i>	
Feral cat <i>Apus pacificus</i> <i>Neochmia ruficauda ruficauda</i> <i>Eretmochelys imbricata</i> <i>Paradelma orientalis</i> <i>Geophaps scripta scripta</i> <i>Pterodroma neglecta neglecta</i> <i>Macronectes giganteus</i> <i>Rheodytes leukops</i> <i>Monarcha melanopsis</i> <i>Xeromys myoides</i> Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)		Feral goat <i>Pterodroma neglecta neglecta</i>	
Wild dog <i>Eretmochelys imbricata</i> <i>Rheodytes leukops</i> <i>Merops ornatus</i> <i>Sterna albifrons</i> <i>Natator depressus</i>		Feral pig <i>Caretta caretta</i> <i>Eretmochelys imbricata</i> <i>Chelonia mydas</i> <i>Natator depressus</i> <i>Dermochelys coriacea</i> <i>Rheodytes leukops</i> <i>Epthianura crocea macgregori</i>	
European wild rabbit <i>Geophaps scripta scripta</i> <i>Pterodroma neglecta neglecta</i> <i>Macronectes giganteus</i>		Feral water buffalo <i>Crocodylus porosus</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

Highest priority biodiversity issues

Pest impacts on *Rheodytes leukops*

Pest management actions listed in recovery plans for marine turtles and *Epthianura crocea macgregori*

Impacts of cats and foxes

Other threatening processes



CRITICAL SYNOPSIS OF VERTEBRATE PEST MANAGEMENT REGIME

Need for vertebrate pest management	The Bouldercombe mainland island is known to contain a number of threatened and migratory animal and plant species protected under the Queensland <i>Nature Conservation Act 1992</i> (NC Act) and the Commonwealth <i>Environment Protection and Biodiversity Act 1999</i> . The Queensland Environment Protection Authority and Queensland Parks and Wildlife Service are legally obliged to protect threatened species and manage pests under the <i>Land Protection (Pest and Stock Route Management) Act 2002</i> and the <i>Nature Conservation Act 1992</i> .
Planning instruments	<p>The Bouldercombe mainland island area is covered by the Capricorn Pest Management Group Regional Pest Management Strategy 2004-2009.</p> <p>Locally specific pest management plans for the following local government areas are currently in preparation (QLD PIF, 2009);</p> <ul style="list-style-type: none"> ▪ Banana Shire ▪ Gladstone Regional ▪ Rockhampton Regional
Management actions	<p>Capricorn Pest Management Group undertakes the following pest management activities:</p> <ul style="list-style-type: none"> ▪ Provision of information, knowledge and research regarding pest issues ▪ Provides a framework for collaboration between stakeholders ▪ Assists with sourcing funds for pest management and developing property pest management plans <p>Additional management actions are likely to be outlined in the future local government area pest management plan.</p>
Monitoring regimes	<p>Capricorn Pest Management Group maps and monitors pest infestations to determine high priority areas and the level of infestation.</p> <p>Additional monitoring actions are likely to be outlined in the future local government area pest management plan.</p>
Management responsibility	<p>Rockhampton Region, Gladstone Regional and Banana Shire Councils Queensland Environmental Protection Agency Queensland Parks and Wildlife Service</p>
Cost-benefit analysis	Capricorn Pest Management Group coordinates the most cost effective expenditure of effort and resources across stakeholders.
Special features	The Resources Reserve forms part of a major north-south corridor extending over 50 km from Bouldercombe in the north to near Mt Perry in the south. The Reserve has steep terrain containing habitat for a number of threatened plant and animal species.
Summary / comments	New management plans should be available for resources reserve and pest issues in the near future.

References:

Capricorn Pest Management Group (2004) Regional Pest Management Strategy 2004-2009.
[http://www.cpmg.org.au/Documents/CPMG%20Pest%20Management%20Strategy\(Final\).pdf](http://www.cpmg.org.au/Documents/CPMG%20Pest%20Management%20Strategy(Final).pdf)

Queensland Department of Primary Industries and Fisheries (2009) State of Queensland. Viewed 29 May 2009.
http://www.dpi.qld.gov.au/cps/rde/dpi/hs.xsl/4790_6693_ENA_HTML.htm

Queensland Government (2001) *Masterplan for Queensland's Parks System*. State of Queensland. Environment Protection Authority.

