

# Jervis Bay



## MAINLAND ISLAND CHARACTERISTICS

<b>Jurisdiction</b>	New South Wales
<b>NRM Region</b>	Southern Rivers
<b>LGA</b>	Shoalhaven
<b>Size</b>	36, 000 hectares
<b>Dominant Type</b>	Casuarina forests and woodlands
<b>Land Tenure</b>	National Park Limited private landholdings
<b>Surrounding Issues</b>	Land use Pest density Weed density

### Overall Priority

Very High

### Conservation Value

Very High

### Threat Status

High

## Key Biodiversity Values

### Key biodiversity and conservation values of JERVIS BAY

- 47 threatened species
- 1 threatened community
- 41 migratory species
- Very high species richness
- Very high endemism
- Beecroft Peninsula and Jervis Bay and Surrounding Area National/Commonwealth Heritage Places
- 6 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>	Very High (4)
<b>3 Representativeness</b>	Medium (2)
<b>4 Adjacency</b>	Medium (2)
<b>5 Area to perimeter ratio</b>	Low (1)

## THREAT STATUS

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



Australian Government  
Department of the Environment,  
Water, Heritage and the Arts

# Key Threats and Impacts

## Pest Species Present or Potentially Present

<input type="checkbox"/>	Cane toad	<input checked="" type="checkbox"/>	Feral cat	<input checked="" type="checkbox"/>	Feral pig	<input checked="" type="checkbox"/>	Rodents
<input checked="" type="checkbox"/>	Carp, European carp	<input checked="" 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 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 checked="" type="checkbox"/>	Red-eared slider turtle	<input type="checkbox"/>	Other

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

<b>Feral cat</b>		<b>Wild dog</b>	
<i>Apus pacificus</i>	<i>Monarcha melanopsis</i>	<i>Sterna albifrons</i>	<i>Isodon obesulus obesulus</i>
<i>Dasyornis brachypterus</i>	<i>Neophema chrysogaster</i>	<i>Merops ornatus</i>	<i>Petrogale penicillata</i>
<i>Diomedea exulans</i>	<i>Petrogale penicillata</i>	<i>Potorous tridactylus tridactylus</i>	
<i>Heleioporus australiacus</i>	<i>Potorous tridactylus tridactylus</i>	<b>Feral pig</b>	
<i>Hoplocephalus bungaroides</i>	<i>Pterodroma leucoptera leucoptera</i>	<i>Chelonia mydas</i>	<i>Dasyornis brachypterus</i>
<i>Isodon obesulus obesulus</i>	<i>Pterodroma neglecta neglecta</i>	<i>Cynanchum elegans</i>	<i>Isodon obesulus obesulus</i>
<i>Litoria aurea</i>	<i>Puffinus leucomelas</i>	<i>Diomedea exulans</i>	<i>Thalassarche steadi</i>
<i>Macronectes giganteus</i>	<i>Thalassarche chrysostoma</i>	<i>Dermochelys coriacea</i>	
<i>Macronectes halli</i>		<b>Mosquito fish, Plague Minnow</b>	
<b>Feral deer</b>		<i>Litoria aurea</i>	<i>Macquaria australasica</i>
<i>Cynanchum elegans</i>	<i>Prostanthera densa</i>	<b>Feral goat</b>	
<b>European red fox</b>		<i>Cynanchum elegans</i>	<i>Hoplocephalus bungaroides</i>
<i>Chelonia mydas</i>	<i>Macronectes giganteus</i>	<i>Petrogale penicillata</i>	<i>Pterodroma neglecta neglecta</i>
<i>Dasyornis brachypterus</i>	<i>Merops ornatus</i>	<b>European wild rabbit</b>	
<i>Dermochelys coriacea</i>	<i>Neophema chrysogaster</i>	<i>Cynanchum elegans</i>	<i>Macronectes giganteus</i>
<i>Gallinago hardwickii</i>	<i>Petrogale penicillata</i>	<i>Macronectes halli</i>	<i>Neophema chrysogaster</i>
<i>Heleioporus australiacus</i>	<i>Potorous tridactylus tridactylus</i>	<i>Petrogale penicillata</i>	<i>Pterodroma neglecta neglecta</i>
<i>Hoplocephalus bungaroides</i>	<i>Pterodroma leucoptera leucoptera</i>	<i>Thesium australe</i>	<i>Xanthomyza phrygia</i>
<i>Isodon obesulus obesulus</i>	<i>Rostratula australis</i>	<i>Pterodroma leucoptera leucoptera</i>	
<i>Litoria aurea</i>	<i>Sterna albifrons</i>		

## Other threatening processes

- High risk land use
- High density of Weeds of National Significance
- Increased potential for edge effects
- Isolated from other high conservation value islands

## Highest priority biodiversity issues

Pest impacts on *Petrogale penicillata*, *Cynanchum elegans* and *Isodon obesulus obesulus*

Impacts of feral cats, foxes and rabbits

