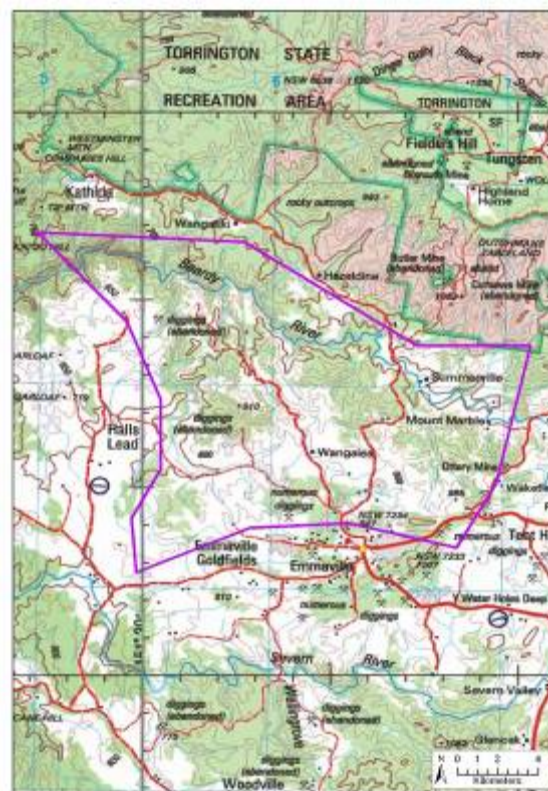


Beardy River Hills



MAINLAND ISLAND CHARACTERISTICS

Jurisdiction	New South Wales
NRM Region	Border Rivers/Gwydir
LGAs	Glen Innes Severn Shire
Size	19, 000 hectares
Dominant Type	Eucalypt open forests
Land Tenure	Agriculture
Surrounding Issues	Land use Pest density

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

Key Biodiversity Values

Key biodiversity and conservation values of BEARDY RIVER HILLS

- 24 threatened species
- 2 threatened communities
- 6 migratory species
- Very high species richness
- Very high endemism
- Native vegetation present
- Vertebrate pest species present

CONSERVATION VALUE

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

THREAT STATUS

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

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

Carp, European carp <i>Litoria booroolongensis</i>		Feral goat <i>Acacia macnuttiana</i> <i>Boronia granitica</i> <i>Acacia pubifolia</i> <i>Petrogale penicillata</i> <i>Almaleea cambagei</i> <i>Prostanthera staurophylla</i> <i>Astrotricha roddii</i> <i>Underwoodisaurus sphyrurus</i>
Feral cat <i>Apus pacificus</i> <i>Potorous tridactylus tridactylus</i> <i>Petrogale penicillata</i> <i>Underwoodisaurus sphyrurus</i>		Feral pig <i>Almaleea cambagei</i> <i>Diuris pedunculata</i> <i>Astrotricha roddii</i> <i>Diuris sheaffiana</i> White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland
Wild dog <i>Merops ornatus</i> <i>Potorous tridactylus tridactylus</i> <i>Petrogale penicillata</i>		European wild rabbit <i>Diuris sheaffiana</i> <i>Poephila cincta cincta</i> <i>Eucalyptus mckieana</i> <i>Rutidosis heterogama</i> <i>Petrogale penicillata</i> <i>Thesium australe</i>
European red fox <i>Gallinago hardwickii</i> <i>Potorous tridactylus tridactylus</i> <i>Merops ornatus</i> <i>Rostratula australis</i> <i>Petrogale penicillata</i> <i>Underwoodisaurus sphyrurus</i>		
Mosquito fish, Plague Minnow <i>Litoria booroolongensis</i>		

Other threatening processes

- High risk land use
- Lack of statutory protection
- Increased potential for edge effects

Highest priority biodiversity issues

Pest management actions listed in the recovery plans for *Boronia granitica* and *Poephila cincta cincta*



CRITICAL SYNOPSIS OF VERTEBRATE PEST MANAGEMENT REGIME

Need for vertebrate pest management	<p>The NSW State Plan sets out natural resource management targets, one of which is that by 2015 there is a reduction in the impacts of invasive species. Further legislative requirements exist to abate threats (including pests) to threatened species listed under the federal EPBC Act and the NSW Threatened Species Conservation and Fisheries Management Acts.</p>
Planning instruments	<p>There is no single planning instrument which covers pest management for the Beardy River Hills mainland island. Pest management is coordinated under the NSW Invasive Species Plan 2008-2015.</p> <p>Several recovery and threat abatement plans apply to species found within this island.</p>
Management actions	<p>No information was available about pest management activities being undertaken in the Beady River Hills mainland island.</p>
Monitoring regimes	<p>Both the Border Rivers Gwydir CMA and Glen Innes Severn Shire Council are encouraging residents of the Beardy River Hills mainland island to participate in the Rabbit Scan program, which aims to record data about rabbits from at least 5000 sites across Australia (http://www.rabbitscan.net.au/joomla/index.php).</p>
Management responsibility	<p>Pest management in NSW lies with a number of groups including several state agencies and land managers.</p>
Cost-benefit analysis	<p>The NSW Invasive Species Plan highlights that pest management will be prioritized in areas where it provides the best cost to benefit ration in protecting biodiversity, productivity and community most threatened by invasive species.</p>
Special features	<p>Glen Innes Severn Shire Council has a noxious weeds section which undertakes the following roles:</p> <ul style="list-style-type: none">• Identifying plants for landholders;• Private property weeds inspections;• Noxious weeds spray control program along roadsides;• Conducting noxious weeds education programs
Summary / comments	<p>There is very limited information available about the degree of vertebrate pest problems and their management in the Beardy River Hills mainland island. Based on information on the local Council website, it appears that weeds may be a greater problem than vertebrate pests.</p>

References:

NSW Department of Primary Industries (DPI) (2008) *NSW Invasive Species Plan 2008-1015*, NSW DPI, Orange.
Available on-line at: <http://www.dpi.nsw.gov.au/agriculture/pests-weeds/nsw-invasive-species-plan>

