



## SAVING OUR SPECIES

# Help save Mount Kaputar high elevation and dry rainforest land snail and slug community in the Nandewar and Brigalow Belt South Bioregions

*Saving our Species* aims to secure as many threatened species and ecological communities as possible. This conservation strategy aims to secure the ecological community in the long term. The strategy was developed by experts who identified the priority management sites and conservation actions required to manage critical threats to conserve the ecological community.

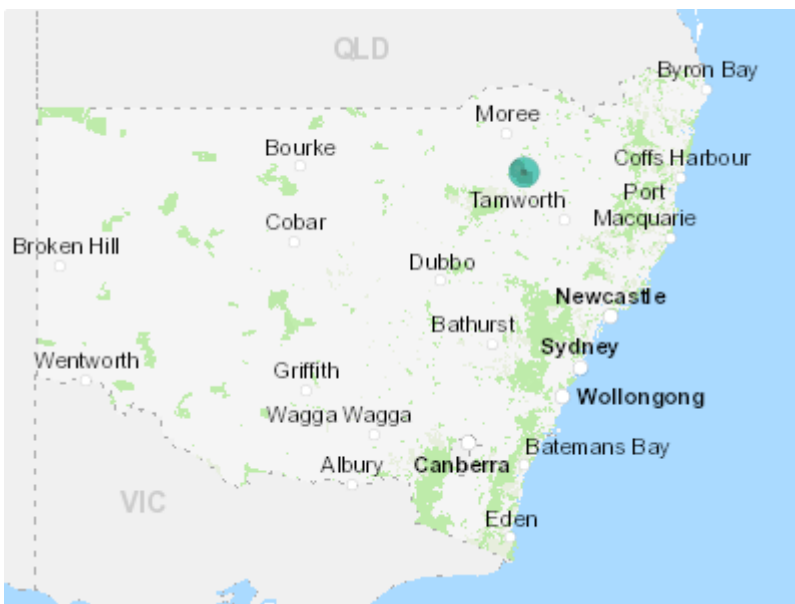
One priority management site was identified in NSW. It is:

- Mount Kaputar National Park in Gwydir, Moree Plains, Narrabri, Tamworth Regional LGA

More information about each site is provided on the following pages.

*Saving our Species* is based on a cost-effective approach that maximises the number of threatened species and ecological communities conserved through on-ground management action. If you want to contact us please email [savingourspecies@environment.nsw.gov.au](mailto:savingourspecies@environment.nsw.gov.au)

## Map of Mount Kaputar high elevation and dry rainforest land snail and slug community in the Nandewar and Brigalow Belt South Bioregions occurrence and priority management site(s)



 Distribution(\*)

 Priority management site



### Conservation status in NSW:

Endangered Ecological Community

### Commonwealth status:

N/A

### Saving our Species management stream:

Ecological community (range-restricted)

### Community profile:

<http://www.environment.nsw.gov.au/threatenedspeciesapp/profile.aspx?id=20275>

*Saving our Species* delivers on the NSW Government's legislative requirements under the *Biodiversity Conservation Act 2016*.

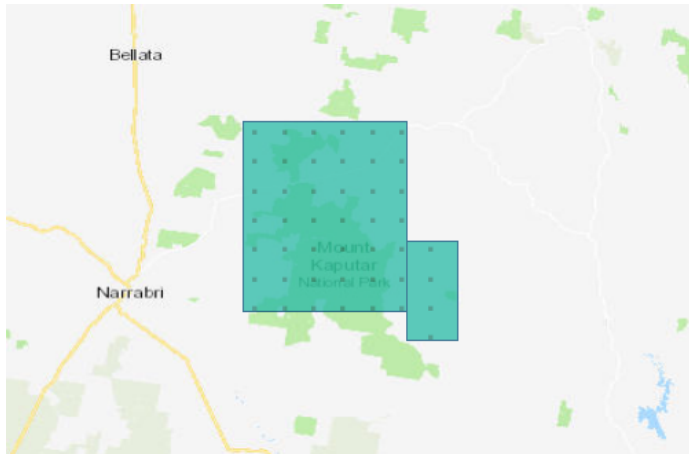
*Photo: Rob Cleary*

\*Distribution is mapped as sub-regions where the ecological community is known to occur (BioNet).

# Site 1: Mount Kaputar National Park

Nandewar Range within Mount Kaputar National Park. Site is restricted to altitudes above 1000m in Mount Kaputar National Park

## Management site map



  Priority management site

## Management activities to protect Mount Kaputar high elevation and dry rainforest land snail and slug community in the Nandewar and Brigalow Belt South Bioregions at the site

Threat	Objective	Action
Feral pigs degrade land snail habitats by digging over soil and leaf litter, turning logs and loose rocks and trampling ground vegetation, they also prey directly on larger species.	Reduce impacts of pest species	Conduct integrated feral pig pest management to reduce impacts to the community.
Feral pigs degrade land snail habitats by digging over soil and leaf litter, turning logs and loose rocks and trampling ground vegetation, they also prey directly on larger species.	Reduce pest species densities and maintain at low levels	Prioritise feral pig control in high elevation habitats and dry rain forest into the National Parks and Wildlife Service Northern Inland Branch pest control strategy and liaise with Local Land Services to facilitate off-park pig control.
Fire kills animals directly and removes essential foraging and shelter microhabitat.	Reduce the risk of adverse fire at the site	Develop guidelines to protect habitat from the threat of wildfire and guidelines to support hazard reduction including mechanical and prescribed burning.
Fire kills animals directly and removes essential foraging and shelter microhabitat.	Reduce the risk of adverse fire at the site	Develop a fire management strategy for Mount Kaputar National Park that incorporates protection of high elevation and rainforest habitats in consultation with land snail species expert. Liaise with Rural Fire Service and other stakeholders to establish appropriately sized fire management zones in Bush Fire Risk Management Plan, Reserve Fire Management Strategy and Plan of Management.

## Total site area (ha):

115231.56

## Local government area:

Gwydir, Moree Plains, Narrabri, Tamworth Regional

## National Parks and Wildlife Service reserve:

Deriah CCA Zone 2 Aboriginal Area, Horton Falls CCA Zone 1 National Park, Mount Kaputar National Park, Terry Hie Hie CCA Zone 2 Aboriginal Area

## Occurs on private land:

No

## Monitoring actions

Regular monitoring of the ecological community's extent and condition on the site will be conducted to determine trends through time.

The extent and severity of threats will also be monitored to assess the effectiveness or management actions.

Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising their effectiveness.

[Monitoring, Evaluation and Reporting Guidelines for Conservation Projects.](#)

Threat	Objective	Action
Fire kills animals directly and removes essential foraging and shelter microhabitat.	Reduce the risk of adverse fire at the site	Ensure distribution and monitoring data are used to update the NSW Threatened Fauna Fire Response Database and Reserve Fire Management Strategy to ensure adaptive fire management.
Impacts from fire management operations such as the construction of trails, hand tool lines and water points.	Minimise the impact of on-site infrastructure	Prevent the construction and maintenance of trails, hand tool lines and water access within identified catchments. Avoid the use of retardants, foams in identified catchments.
Competition and habitat degradation caused by feral goats.	Reduce impacts of pest species	Undertake strategic/targeted aerial shoot for goats across Mt Kaputar National Park to reduce impacts to the community.
Limited knowledge of the community (e.g. species taxonomy, ecology, distribution) and relevant threats.	Increase understanding of the species ecological requirements	Develop media and education materials to improve the profile of the pink slug, cultivate awareness of other threatened gastropod species, and to foster awareness of sensitive sites to change negative visitor behaviour.
Limited knowledge of the community (e.g. species taxonomy, ecology, distribution) and relevant threats.	Increase understanding of the species ecological requirements	Install a network of data loggers to develop a temperature profile for the range, in order to demonstrate possible changes in climate. Identify long-term climate refuge areas and target management in these identified high priority areas.
Limited knowledge of the community (e.g. species taxonomy, ecology, distribution) and relevant threats.	Increase understanding of the species ecological requirements	Improve understanding of pest animal habitat requirements and preferences to establish target pig and goat population thresholds for controls.
Feral pigs degrade land snail habitats by digging over soil and leaf litter, turning logs and loose rocks and trampling ground vegetation, they also prey directly on larger species.	Reduce impacts of pest species	Design and implement a monitoring plan to monitor pig densities and impacts to establish efficacy of the integrated control program (e.g. remote cameras, free feed bait takes, disturbance plots).
Fire kills animals directly and removes essential foraging and shelter microhabitat.	Reduce the risk of adverse fire at the site	Monitor the impacts of wildfires and/or hazard reduction burns every 6 months for 3 years post-fire to assess TEC response and recovery within suitable habitat areas.
Competition and habitat degradation caused by feral goats.	Reduce impacts of pest species	Design and implement a monitoring plan to determine efficacy of feral goat management.
Limited knowledge of the community (e.g. species taxonomy, ecology, distribution) and relevant threats.	Increase understanding of the species ecological requirements	Undertake targeted survey of dry rainforest and semi evergreen vine thicket communities within Nandewar ranges to determine occurrence and distribution and condition.
	Track species abundance / condition over time	Establish monitoring plots to determine population size and monitor changes in population or assemblage composition. Ensure population surveys include stratification across fire histories.

## Find out more about our program

Visit <http://www.environment.nsw.gov.au/savingourspecies>