

# Threatened Species

## Recovery Plans

### What are threatened species?

The *Threatened Species Conservation Act 1995* (TSC Act) protects all threatened plants and animals native to NSW (with the exception of fish and marine plants which are covered by the threatened species provisions of the *Fisheries Management Act 1994*). It provides for the identification, conservation and recovery of threatened species and their populations and communities. It also aims to reduce the threats faced by those species.

The Act contains lists of threatened species, which are divided into several categories:

- species presumed extinct
- endangered species
- endangered populations
- endangered ecological communities
- vulnerable species
- vulnerable ecological communities.

For more information on threatened species refer to Private Native Forestry Advisory Note Number 13.

### What does 'recovery' mean?

Recovery of a threatened species, population or ecological community occurs when the decline is arrested or reversed, and threats to survival are reduced or eliminated, so that long-term survival of the species in nature can be assured.

### What is a Recovery Plan?

In NSW, recovery planning is faced with the task of planning and implementing recovery actions and management of threats for over 900 threatened native plants and animals.

This is achieved through a stepped approach where firstly, at a state level, integrated planning for recovery of threatened species is undertaken in accordance with actions in the Threatened Species Priorities Action Statement (PAS). The PAS combines strategic reform with specialist recovery and threat abatement actions based on 25 recovery and 12 threat abatement strategies. Under each strategy, actions are listed which aim to recover each threatened species and abate each threat.

Secondly, Regional Biodiversity Plans are prepared which combine multi-species recovery planning and actions for groups or assemblages of threatened species, populations or ecological communities, providing both regional and site level management actions and threat abatement priorities (e.g. Border Ranges Hotspot Rainforest Multi-species Recovery Plan).

Thirdly, recovery plans are prepared for individual threatened species of plants and animals, providing detailed species specific recovery management actions and priorities. Species specific recovery plans are only prepared for those species that require more details recovery actions.

There are three stages to the completion of a Recovery Plan.

- Research and plan preparation
- Draft Public Exhibition of Plan
- Plan approval by the Minister

Recovery Plans identify the biological and ecological needs of a species by looking at its habitat requirements, distribution and threats. Plans aim to assess the threatening processes acting on the plant or animal and provide management actions such as pest control (including feral animals and/or weed control), habitat restoration and enhancement, fencing and site protection and management and monitoring.

### How is a plan put into action?

Recovery actions identified in the PAS and individual plans will assist Public Authorities in prioritizing works to recover species. Additionally, land owners are encouraged to implement recovery actions on their land.

### What you can do

The support of community groups and landowners is vital for the successful recovery of threatened species. Landowners are encouraged to become involved in the recovery of threatened species by helping in the implementation of Recovery Plan actions on private lands. Recovery Plans available for NSW are listed below.

# Examples of Recovery Plans

## Endangered species - final plans

<i>Allocasuarina portuensis</i> (a shrub)
<i>Angiopteris evecta</i> (a fern)
Bathurst copper butterfly
Black-eared miner
Blue Mountains water skink
Bolam's mouse
Brush-tailed rock-wallaby (endangered Warrumbungles population)
Bush Stone Curlew
<i>Caladenia arenaria</i> (a flower)
<i>Caladenia rosella</i> and other 'lost' threatened flora of south-east NSW
<i>Carex raleighii</i> (a herb) and other threatened alpine flora
Centralian Ranges rock skink
<i>Daphnandra</i> sp. C Illawarra (a tree)
<i>Davidsonia jerseyana</i> (a tree)
<i>Davidsonia johnsonii</i>
<i>Diploglottis campbellii</i>
Double-eyed fig parrot
Eastern Suburbs banksia scrub
<i>Eidothea</i> sp. 'Nightcap Range' (a tree)
<i>Elaeocarpus</i> sp. Rocky Creek
<i>Eleocharis tetraquetra</i> (a sedge)
<i>Endiandra floydii</i>
<i>Endiandra hayesii</i>
<i>Endiandra muelleri</i> subsp. <i>bracteata</i>
<i>Epacris hamiltonii</i> (a shrub)
<i>Eriocaulon carsonii</i> (a shrub)
<i>Euphrasia collina</i> subsp. <i>muelleri</i> & other 'lost' threatened flora of south-east NSW
<i>Genoplesium plumosum</i> (a terrestrial orchid)
<i>Gentiana bauerlenii</i> & other 'lost' threatened flora of south-east NSW
Gould's Petrel
<i>Grevillea beadleana</i> (a shrub)
<i>Grevillea caleyi</i> (a shrub)
<i>Grevillea obtusiflora</i> (a shrub)
<i>Grevillea wilkinsonii</i> (a shrub)
<i>Hakea pulvinifera</i> (a shrub)
Hastings River Mouse
<i>Ireneparsus magicus</i> & other 'lost' threatened flora of south-east NSW
<i>Ireneparsus trypherus</i> (a herb)
Koala population at Hawks Nest and Tea Gardens
Kultarr
<i>Leonema lachnaeoides</i> (a shrub)
<i>Lepidium pseudopapillosum</i> & other 'lost' threatened flora of south-east NSW
Little penguin population, Manly Point
Little tern
Long-footed potoroo
Lord Howe Island woodhen
Mitchell's rainforest snail
Mountain pygmy-possum
Painted burrowing frog
<i>Persoonia mollis</i> subsp. <i>maxima</i> (shrub)
<i>Placostylus bivarricosus</i> (a land snail)
<i>Prostanthera junonis</i> (a shrub)

<i>Pseudomys oralis</i>
<i>Pterostylis gibbosa</i> (an orchid)
<i>Pterostylis</i> sp. Botany Bay (an orchid)
<i>Pultenaea parrisiae</i> subsp. <i>elusa</i> & other 'lost' threatened flora of south-east NSW
<i>Quassia</i> sp. Mooney
<i>Randia moorei</i>
<i>Rapanea</i> species A Richmond River
Red goshawk
<i>Senecio squarrosus</i> & other 'lost' threatened flora of south-east NSW
Silky mouse
Southern Brown Bandicoot
Southern corroboree frog
Spotted tree frog
Thick-billed grasswren
<i>Uromyrtus australis</i>
<i>Viola cleistogamoides</i> & other 'lost' threatened flora of south-east NSW
Western pygmy possum
Yellow-spotted bell frog
<i>Zieria adenophora</i> (a shrub)
<i>Zieria buxijugum</i> (a shrub)
<i>Zieria formosa</i> (a shrub)
<i>Zieria granulata</i> (a shrub)
<i>Zieria lasiocaulis</i> (a shrub)
<i>Zieria parrisiae</i> (a shrub)
<i>Zieria prostrata</i> (a shrub)

## Vulnerable species - final plans

<i>Acacia pubescens</i>
Bellinger River emydura
<i>Bertya</i> sp. A Cobar-Coolabah
<i>Boronia granitica</i>
<i>Darwinia biflora</i> (a shrub)
<i>Euchiton nitidulus</i> and other alpine flora
Forrest's mouse
<i>Genoplesium vernale</i> (a orchid)
<i>Grevillea kennedyana</i> (a shrub)
Large Forest Owls
Peppered frog
<i>Ranunculus anemoneus</i> and other threatened alpine flora
<i>Rytidosperma pumilum</i> & other threatened alpine flora
Sandy inland mouse
Yellow-bellied glider

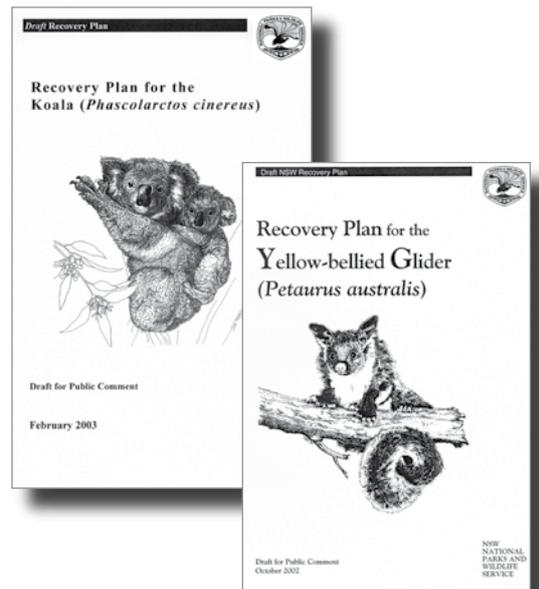
## Endangered species – draft plans

Black-throated finch
Brush-tailed rock-wallaby
<i>Caladenia concolor</i> (a terrestrial orchid)
<i>Calotis moorei</i> (a herb)
<i>Corchorus cunninghamii</i>
<i>Davidsonia johnsonii</i>
<i>Diploglottis campbellii</i>
<i>Elaeocarpus williamsianus</i>
<i>Endiandra floydii</i>
<i>Endiandra muelleri</i> subsp. <i>bracteata</i> and <i>Endiandra hayesii</i>
<i>Eucalyptus recurva</i> (a mallee)
<i>Fontainea oraria</i> (a tree)
<i>Genoplesium rhyoliticum</i> & other flora of rocky outcrops in south-east NSW
Green and golden bell frog

Kurri Sand Swamp Woodland
<i>Olearia flocktoniae</i> (a bush)
<i>Persoonia nutans</i> (a shrub)
<i>Pimelea spicata</i>
Plains-wanderer
<i>Prasophyllum affine</i> (a terrestrial herb)
<i>Prasophyllum petilum</i>
<i>Prostanthera askania</i> (a shrub)
<i>Quassia</i> species B (a shrub)
<i>Randia moorei</i>
Southern bell frog
<i>Triplarina nowraensis</i>
<i>Uromyrtus australis</i> (a shrub)
<i>Wollemia nobilis</i> (the Wollemi pine)
<i>Zieria ingramii</i> (a shrub)
<i>Zieria involucrata</i> (a shrub)
<i>Zieria obcordata</i> (a shrub)

## Vulnerable species – draft plans

<i>Acacia constablei</i> & other flora of rocky outcrops in south-east NSW
<i>Acacia georgensis</i> & other flora of rocky outcrops in south-east NSW
Barking owl
Koala
<i>Leonema ralstonii</i> & other flora of rocky outcrops in south-east NSW
<i>Westringia davidii</i> & other flora of rocky outcrops in south-east NSW



## Further Reading

- See the DECC website for approved/draft Recovery Plans and other threatened species information <http://www.nationalparks.nsw.gov.au/npws.nsf/Content/Recovery+plans>
- <http://www.threatenedspecies.environment.nsw.gov.au/index.aspx>
- Community Access to Natural Resource Information: [www.canri.nsw.gov.au](http://www.canri.nsw.gov.au)