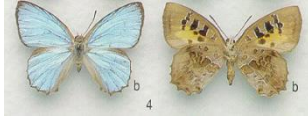




Northern
Territory
Government

DEPARTMENT OF
LAND RESOURCE MANAGEMENT



Threatened Species Priorities

Brydie Hill Flora and Fauna Division





Threatened Species

Nationally 474 animals and 1292 plants

NT - 100 Animals and 81 plants



| Group | EX | EW | CR | EN | VU | Total threatened |
|---------------|----|----|----|----|-----|------------------|
| Mammals | 16 | 1 | 4 | 8 | 13 | 25 |
| Birds | 2 | | 5 | 3 | 19 | 27 |
| Reptiles | | | 1 | 3 | 12 | 16 |
| Frogs | | | | | 1 | 1 |
| Invertebrates | | | 2 | 4 | 25 | 31 |
| Plants | | | 3 | 24 | 54 | 81 |
| Total | 18 | 1 | 15 | 42 | 124 | 181 |
| | | | | | | |
| Fish* | | | | 1 | 7 | 8 |



Northern
Territory
Government

National Threatened Species Strategy



DEPARTMENT OF LAND RESOURCE MANAGEMENT

www.lrm.nt.gov.au



Priority Species

20 mammals 20 birds

In the NT

- Mala
- Greater Bilby
- Golden Bandicoot
- Brush-tailed Rabbit-rat
- Central Rock-rat*
- Alligator Rivers Yellow Chat
- Plains Wanderer
- Night Parrot

* *Emergency intervention*

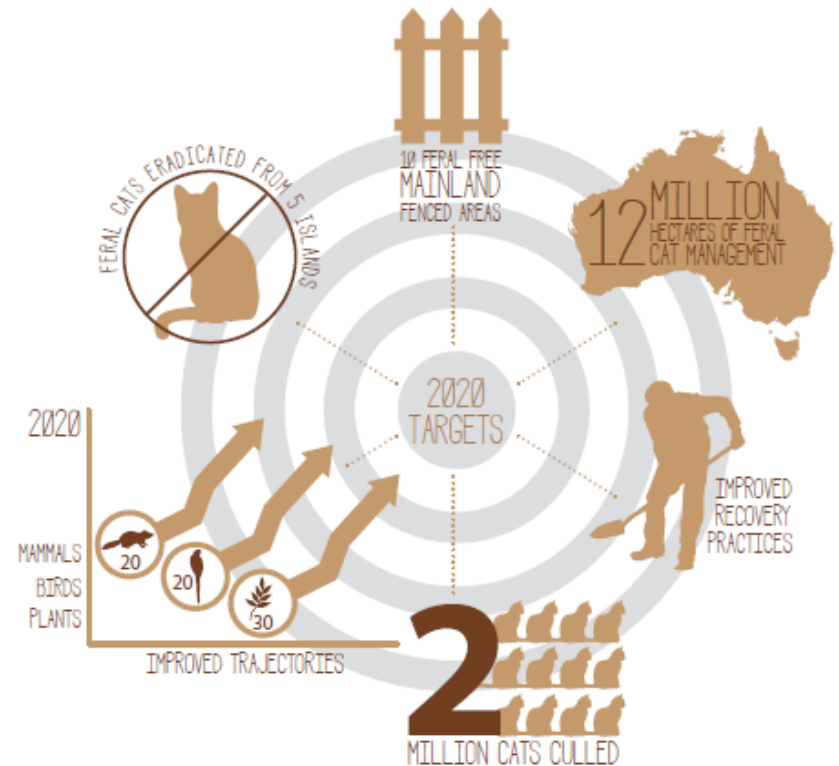
Used to be in the NT

- Western Quoll
- Numbat



National Actions and Targets

- Tackling feral cats
- Safe havens
- Improving habitat
- Emergency intervention





National Programs

- Green Army
- 20 Million Trees
- National Landcare Program
- Plan for a cleaner environment
- Emissions reduction fund
- Indigenous land and sea programmes





Northern Territory Priorities

Risk of extinction

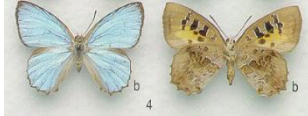
- Conservation status
- Extinction potential

Consequences of extinction

- Ecological role
- Distinctiveness
- Conservation responsibility

Cultural and Social Value

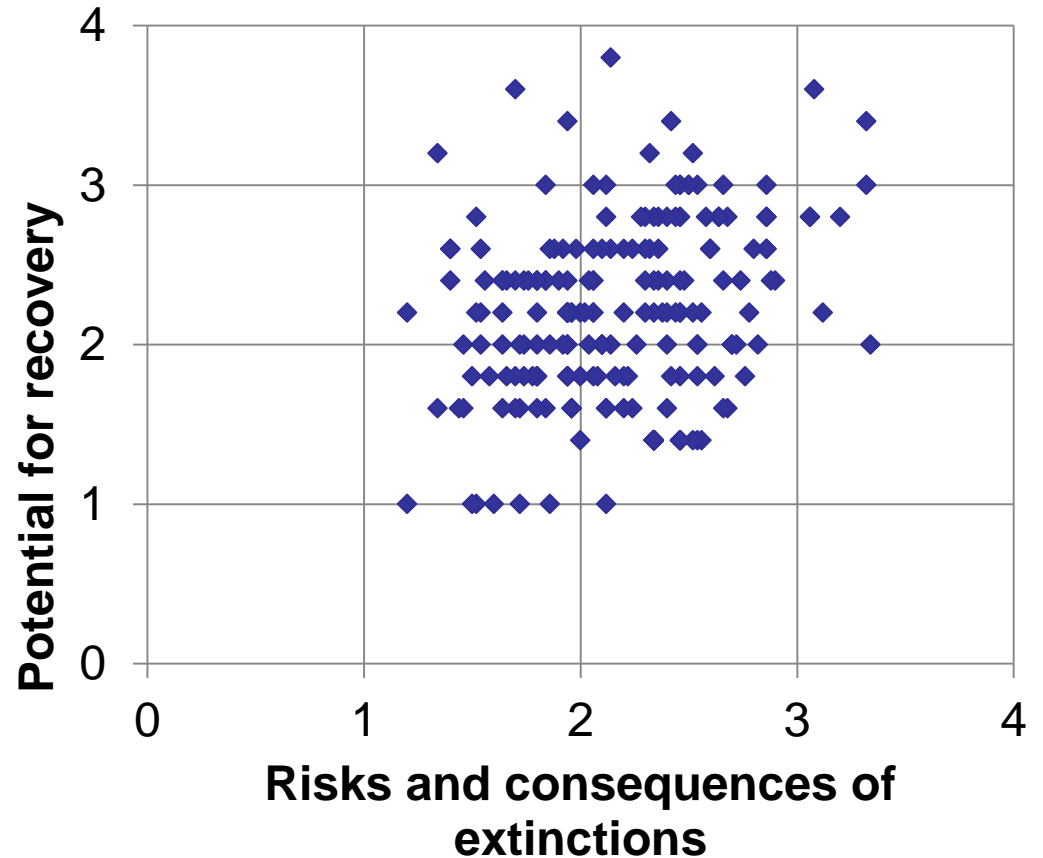
- Indigenous cultural value
- Social value





Potential for Recovery

- Knowledge
- Capacity
- Cost
- Benefit





Priority Species for Management



| PLANTS | | ANIMALS | | |
|--------|--|---------|--|-------------------------|
| Rank | Species | Rank | Species | Common_name |
| 1 | <i>Livistona mariae</i> subsp. <i>mariae</i> | | | Common Brushtail |
| 2 | <i>Cycas armstrongii</i> | 1 | <i>Trichosurus vulpecula vulpecula</i> | Possum (Southern N.T.) |
| 3 | <i>Acacia peuce</i> | 2 | <i>Macrotis lagotis</i> | Bilby |
| 4 | <i>Atalaya brevialata</i> | 3 | <i>Zyzomys pedunculatus</i> | Central Rock-rat |
| 5 | <i>Typhonium mirabile</i> | 4 | <i>Dasyurus hallucatus</i> | Northern Quoll |
| 5 | <i>Typhonium jonesii</i> | 5 | <i>Isoodon auratus</i> | Golden Bandicoot |
| 5 | <i>Typhonium taylori</i> | 6 | <i>Eretmochelys imbricata</i> | Hawksbill Turtle |
| 8 | <i>Macrozamia macdonnellii</i> | 7 | <i>Varanus panoptes</i> | Yellow-spotted Monitor |
| 9 | <i>Schoutenia ovata</i> | 8 | <i>Ordtrachia australis</i> | |
| 10 | <i>Wrixonia schultzei</i> | 9 | <i>Attacus wardi</i> | Atlas Moth |
| 11 | <i>Acacia</i> sp. Graveside Gorge | 9 | <i>Lepidochelys olivacea</i> | Olive Ridley |
| 12 | <i>Santalum acuminatum</i> | 9 | <i>Zyzomys palatalis</i> | Carpentarian Rock-rat |
| 13 | <i>Dienia montana</i> | 12 | <i>Erythrotriorchis radiatus</i> | Red Goshawk |
| 14 | <i>Burmannia</i> sp. Bathurst Island | 12 | <i>Chlamydogobius japalpa</i> | Finke Goby |
| 15 | <i>Olearia macdonnellensis</i> | 14 | <i>Conilurus penicillatus</i> | Brush-tailed Rabbit-rat |
| 16 | <i>Lithomyrtus linariifolia</i> | 15 | <i>Pristis clavata</i> | Dwarf Sawfish |
| 17 | <i>Ptychosperma macarthurii</i> | 16 | <i>Varanus mertensi</i> | Mertens Water Monitor |
| 17 | <i>Helicteres</i> sp. Glenluckie Creek | 17 | <i>Erythrura gouldiae</i> | Gouldian Finch |
| 19 | <i>Tarennoidea wallichii</i> | 18 | <i>Tyto novaehollandiae melvillensis</i> | Masked Owl |
| 19 | <i>Dendromyza reinwardtiana</i> | 19 | <i>Sminthopsis butleri</i> | Butler's Dunnart |
| | | 20 | <i>Pristis zijsron</i> | Green Sawfish |
| | | 20 | <i>Pristis microdon</i> | Freshwater Sawfish |



What about the unknowns?

- Risk of Extinction
- Level of Threat
 - mining or development
 - fire, ferals, weeds, marine degradation
 - climate change
- Detection of species and decline
 - known past decline
 - hard to find
 - time since last record





Priority Species for Survey and Research

| RANK | Species | Common_name |
|------|-------------------------------------|---------------------------------------|
| 1 | <i>Pezoporus occidentalis</i> | Night Parrot |
| 2 | <i>Ogyris iphis doddi</i> | Dodd's Azure |
| 3 | <i>Notomys fuscus</i> | Dusky Hopping-mouse |
| 4 | <i>Bellatorias obiri</i> | Arnhem Land Skink |
| 5 | <i>Antechinus bellus</i> | Fawn Antechinus |
| 6 | <i>Mesodontrachia fitzroyana</i> | Fitzroy Land Snail |
| 7 | <i>Ctenotus rimacola camptris</i> | VRD Blacksoil Ctenotus |
| 8 | <i>Mesembriomys gouldii</i> | Black-footed Tree-rat |
| 9 | <i>Epthianura crocea tunneyi</i> | Yellow Chat |
| 10 | <i>Amytornis modestus indulkana</i> | Thick-billed grasswren (NW subsp.) |
| 11 | <i>Phascogale pirata</i> | Northern Brush-tailed Phascogale |
| 12 | <i>Rattus tunneyi</i> | Pale Field-rat |
| 12 | <i>Semotrachia euzyga</i> | land snail |
| 14 | <i>Sminthopsis psammophila</i> | Sandhill Dunnart |
| 15 | <i>Liopholis kintorei</i> | Great Desert Skink |
| 16 | <i>Dirutrachia sublevata</i> | land snail |
| 16 | <i>Vidumelon watti</i> | land snail |
| 16 | <i>Semotrachia huckittana</i> | land snail |

| RANK | Species |
|------|-------------------------------|
| 1 | <i>Stylidium ensatum</i> |
| 2 | <i>Sporobolus latzii</i> |
| 3 | <i>Dienia montana</i> |
| 4 | <i>Cleome insolata</i> |
| 4 | <i>Calochilus caeruleus</i> |
| 6 | <i>Utricularia singeriana</i> |
| 7 | <i>Hibbertia pancerea</i> |





What needs to be done?

- National Recovery Plans
- National Conservation Advices
- NT Threatened Species Action Plans





Example of one of 20 new HTML pages under Action Plan page, http://www.lrm.nt.gov.au/plants-and-animals/threatened-species/TSactionplan/Greater_bilby

Macrotis lagotis — Greater Bilby

Recovery Profile

- Legal Status and Documents
- Current NT program documents
- Distribution Map
- Threatening processes
- Particular habitat requirements
- Conservation objectives and management
- Key management actions for the NT
- Past and present activities in the NT
- Status and activities outside the NT
- Stakeholders
- Priority actions for 2015-2025
- Reports and NTG Data sets pre-2015
- References

Legal Status and Documents (Click to follow links)

| | |
|--|---|
| NT Conservation Status | Listed as Vulnerable NT Factsheet |
| Priority for action in the NT | Recovery Rank No. 5 |
| National listing and other jurisdictions | National: Listed as Vulnerable under EPBC Act National SPRAT database Qld: Endangered WA: Vulnerable SA: Vulnerable NSW: Extinct IUCN: Vulnerable |
| National Recovery Plan | National Recovery Plan for the Greater Bilby (<i>Macrotis lagotis</i>) (Payey, C., 2006) |
| NT management or recovery plans | A Management Program for the Greater Bilby (<i>Macrotis lagotis</i>) in the Northern Territory of Australia |
| Other relevant National Plans | Threat Abatement Plan for Predation by the European Red Fox (Department of the Environment, Water, Heritage and the Arts (DEWHA), 2008). Threat Abatement Plan for Predation by Feral Cats (Environment Australia (EA), 1999). Threat Abatement Plan for Competition and Land Degradation by Feral Rabbits (Environment Australia (EA), 1999c) [Threat Abatement Plan]. |