

Long-term Kakadu animal monitoring continues in 2019



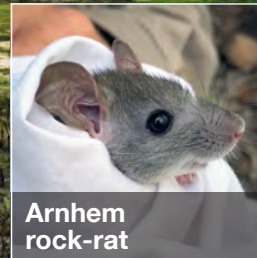
**Northern Australia
Environmental
Resources
Hub**

National Environmental Science Programme

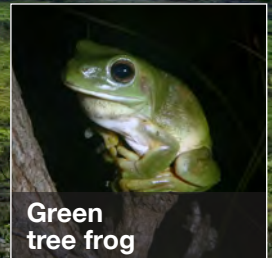
World-class research to support sustainable
development in northern Australia



**White-bellied
sea eagle**



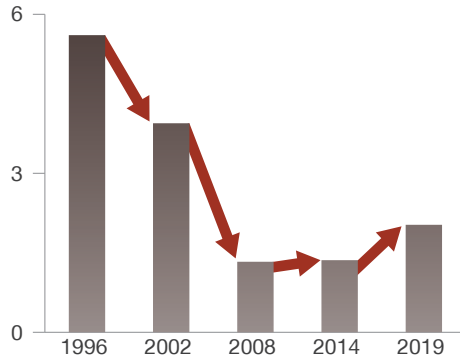
**Arnhem
rock-rat**



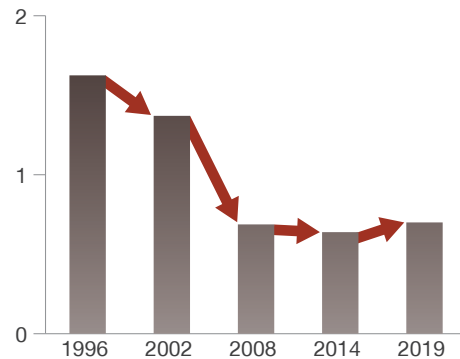
**Green
tree frog**



We know that our animals are disappearing from country all across the Top End



The number of mammals caught during surveys over the past 20 years has gone down.



The number of different kinds of mammals caught during surveys over the past 20 years has gone down.



Where available:
(G) Gundjeihmi name
(J) Jawoyn name



Hot fire, weeds, buffalo, pigs and cats all make it harder for native animals to live on country

Grass fire



Feral buffalo
Anabbaru (G)



Mimosa (managed weed)



Feral cat in Kakadu





We need to keep an eye on Kakadu animals



All photos NT DENR



We can use many different ways to check on mammals, reptiles, birds, frogs and plants

Pit traps



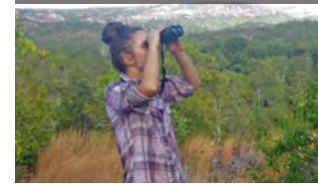
Elliott traps



Cage traps



Bird surveys



Spotlighting



Funnel traps



All photos NT DENR

Camera traps

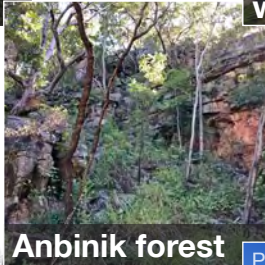
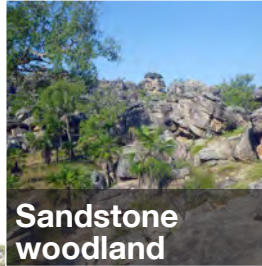


Vegetation surveys

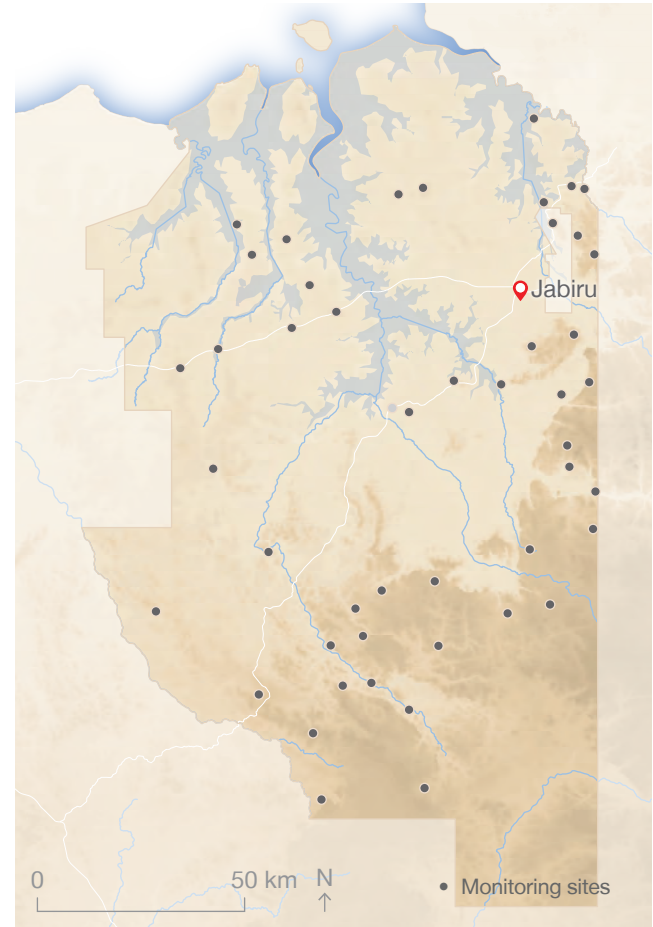




We've counted animals at 50 sites in different types of country in Kakadu



Photos NT DENR





Doing things the same way every time means we can see how Kakadu is changing, and compare with other parks





This year, scientists, Rangers and *Bininj/Mungguy* worked through the dry season to survey each site for four days and nights



Photos NT DENR



We'll work hard in the future to make more chances for *Bininj/Mungguy* to join us



We set camera traps for 6 weeks at each site

All photos NT DENR



Sandstone antechinus
Mulbbu (G), Pop (J)



Western chestnut mouse



Savanna glider



Northern brown bandicoot
Yok (G,J)



Sandstone antechinus
Mulbbu (G), Pop (J)



Short-eared rock wallaby
*Badbong (G),
Maramo, Torriya (J)*

They are the best way to see what smaller mammals are there but we still need to trap some animals that we can't catch on the cameras



There are a lot of different reptiles in Kakadu, including Oenpelli python



Yellow-snouted gecko
Belerrk (G,J)



Moon snake



Spinifex gecko



Giant cave gecko
Belerrk (G,J)



Northern death adder
Bek (G), Jampan (J)



Velvet gecko

It's the first time we've counted the endangered yellow-snouted gecko in the park

Photos NT DENR except yellow-snouted gecko (Chris Jolly) & spinifex gecko (Brenton von Takach)



We recorded many types of birds during surveys during the day and at night



Sulphur-crested cockatoo



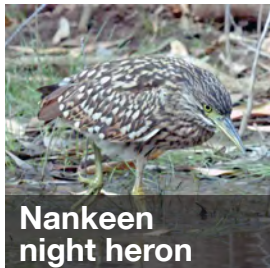
**Red-backed
fairy wren**



Barking owl
*Mukmuk (G),
Ngokngok (J)*



**White-gaped
honeyeater**



**Nankeen
night heron**



**White-throated
grasswren**
Yilingkirrkirr (G,J)



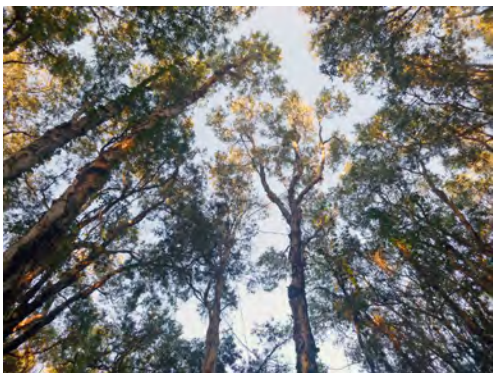
**Australian
owllet nightjar**
Nadjik (G), Nadjik (J)



Photos NT DENR except white-throated grasswren (Brenton von Takach)



Measuring trees, shrubs, grass and logs shows how country is changing



All photos NT DENR



Each time we survey, we collect important information about common and rare animals in Kakadu

Black-footed tree rat
Bakkadji (G), Parrppom (J)



NT DENR

Wotjulum frog



NT DENR

Northern Hub



Partridge pigeon
Rakul (G,J)

NT DENR



Merten's water monitor
Burarr (G), Jujja (J)



We use the information from the surveys to help us understand if country is healthy or if there is too much fire or too many feral animals

This helps us decide what we need to do to make country strong again



We need to continue building strong partnerships and support so that monitoring can continue every three years

Luke presents in Kakadu



Dennis Cooper in conversation



Research committee



Research committee meeting



Research committee: Kenneth Mangiru, Ryan Barrowei, Bessie Coleman, Feach Moyle, Nick McGregor, Maria Lee, Dennis Cooper, Michael Bangalan, Michael Douglas (L-R). All photos M. Douglas.



Proudly supported by
**NORTHERN
TERRITORY**
GOVERNMENT



Graeme Gillespie
graeme.gillespie@nt.gov.au
08 8995 5025



Luke Einoder
luke.einoder@nt.gov.au
08 8995 5013



Front cover: Northern Hub, back cover: NT DENR



**Northern Australia
Environmental
Resources
Hub**

National Environmental Science Programme

This project was supported
by funding from the Australian
Government's National
Environmental Science Program.



nespnorthern.edu.au



nesp.northern@cdu.edu.au



[/NESPNorthern](https://www.facebook.com/NESPNorthern)



[@NESPNorthern](https://twitter.com/NESPNorthern)