



*Wi study bla kantri*  
**Research Team**



# Learning both ways animal and plant knowledge in South East Arnhem Land



Presentation by  
Maritza Roberts and Basil (Kyle) Gumbuli

# We come from Ngukurr, SE Arnhem Land

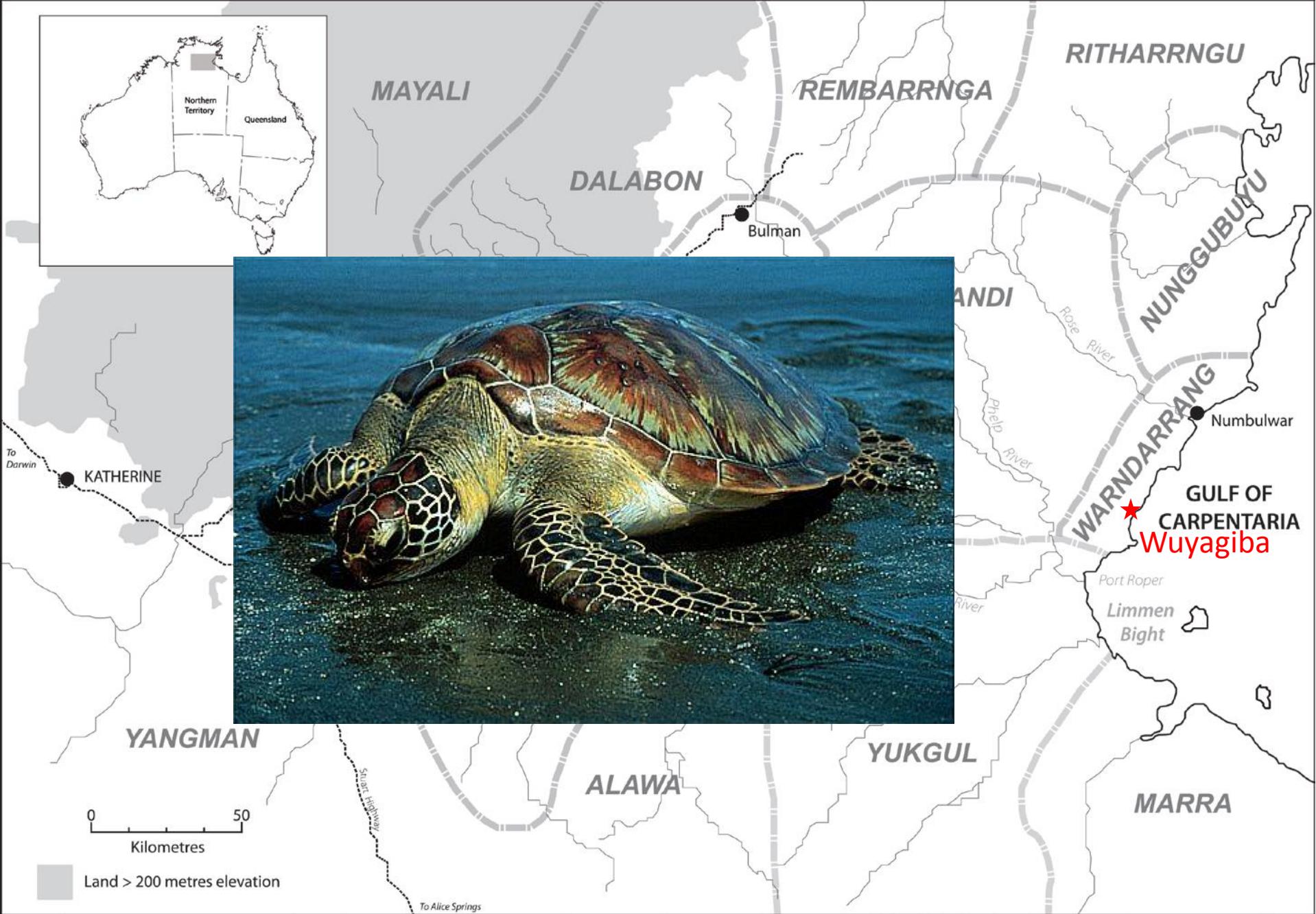


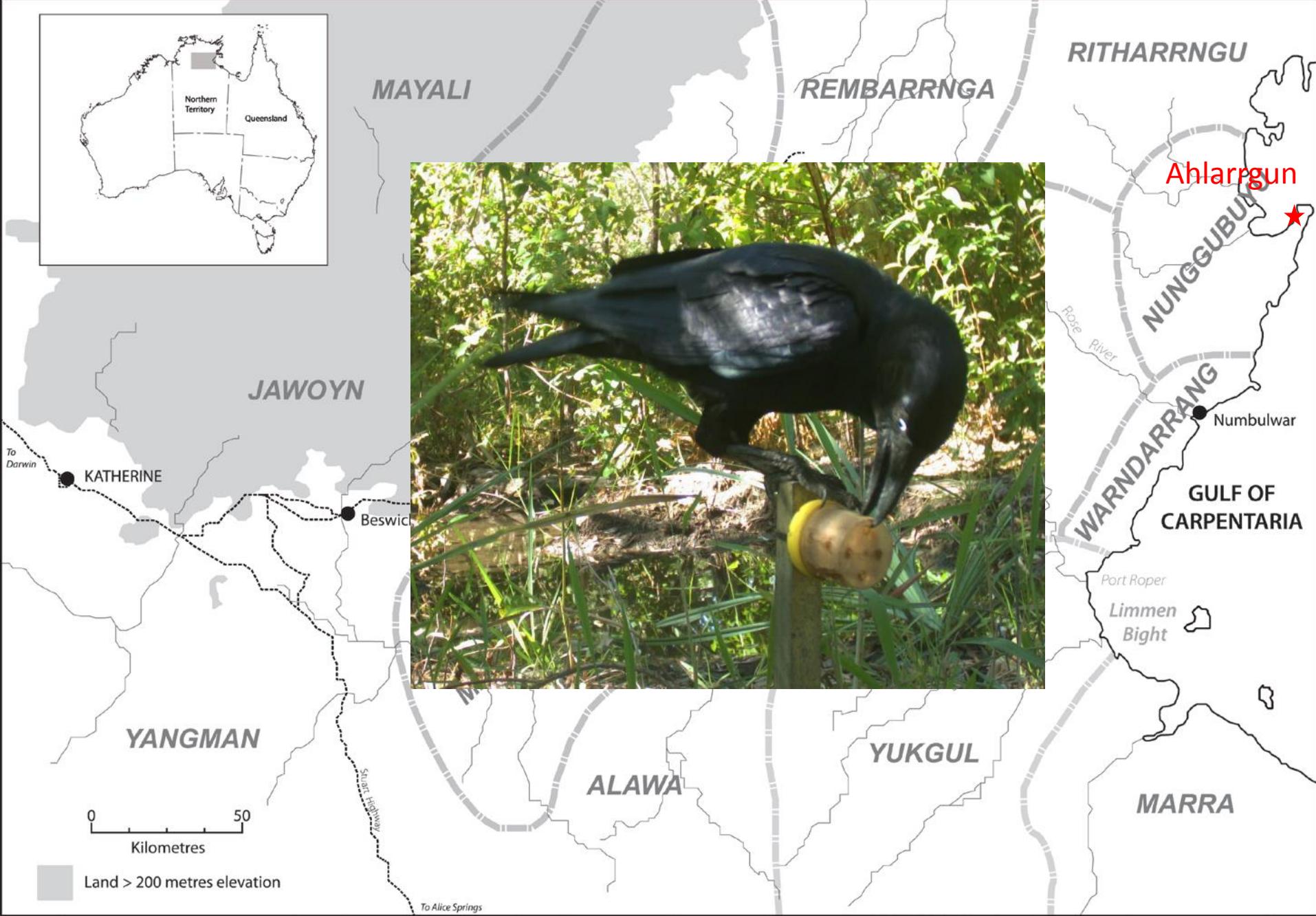
Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat

Google earth

Imagery Date: 4/10/2013 25°57'06.29" S 140°25'07.66" E elev 61 m eye alt 4727.12 km

# Language groups around Ngukurr

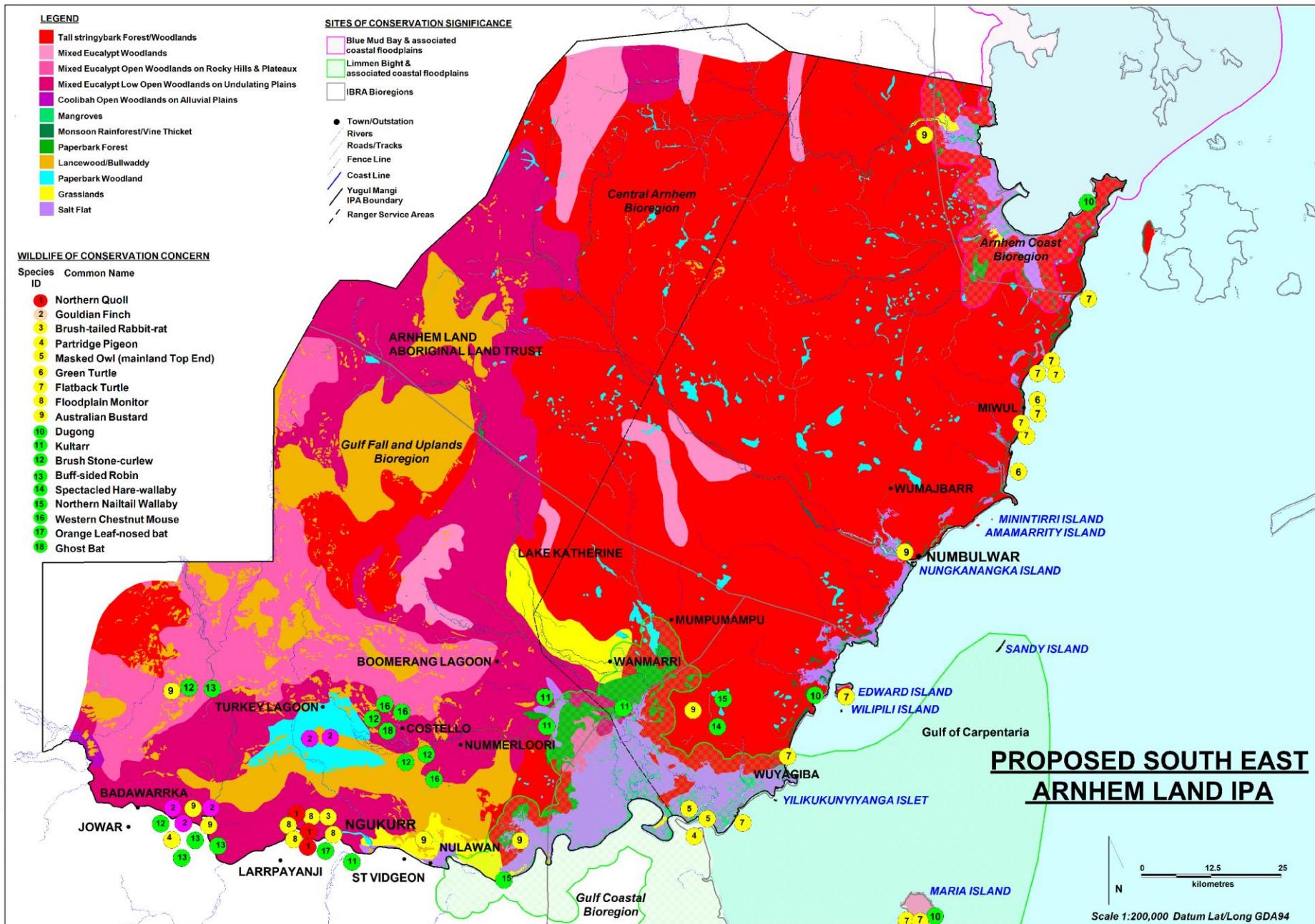




# South East Arnhem Land Indigenous Protected Area

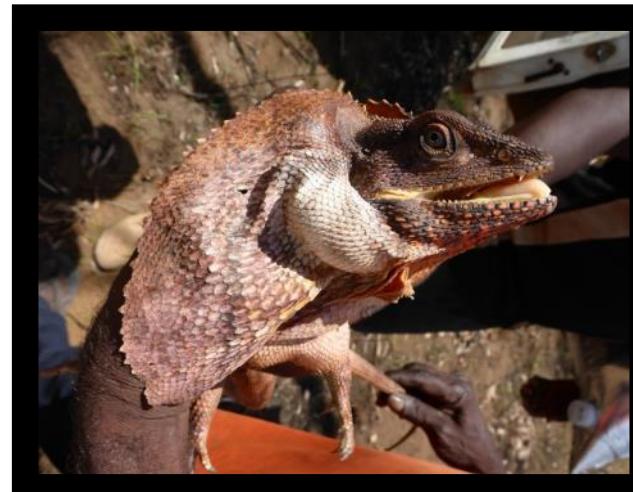


# Habitats and threatened species



# Our ALA project 2014-2016

- Working on the website sharing Aboriginal knowledge of plants and animals and showing how we can work two-ways
- We doing bush trips/ Culture Camps
- Cross-cultural knowledge recording
- Video, cameras, CyberTracker, tracking skills
- We work in a very remote area where not many scientists work...but we're working there! We are the scientists!





Re-connecting with and protecting  
traditional food , Cheeky yam



Working with elders and young people to learn about Country

# Betty and Marianne Roberts talking about Duymangi



# Animal surveys using different traps



# Burut burut (Common Rock Rat)

2013-05-25 3:49:13 AM M 1/3

16°C



HC550 HYPERFIRE

RECONYX

# Wambarrarda (Rock Wallaby)

2013-05-31 9:50:05 PM M 3/3

24°C



HC550 HYPERFIRE

RECONYX

# Djijurk (Agile Wallaby)

2012-05-11 6:50:08 AM M 3/3

27°C



HC550 HYPERFIRE

RECONYX

# Djirrmaga (Echidna)



2013-05-16 5:04:38 AM

23°C

M 2/3

HC550 HYPERFIRE

RECONVY

# Gujarni (Possum)

2013-06-20 3:46:53 PM M 3/5

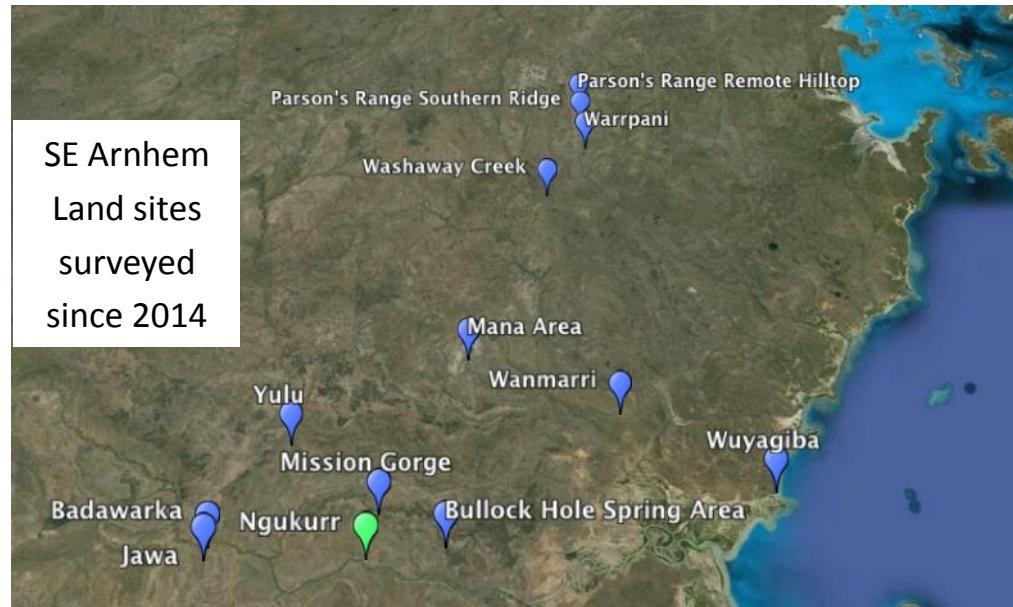
19°C



HC550 HYPERFIRE

RECONYX

SE Arnhem  
Land sites  
surveyed  
since 2014



Working together to find all the language names

#### Multi-lingual names

Traditional Marra Name:

*Burut burut*

Common Name:

Red-cheeked Dunnart

Species Name in Latin:

*Sminthopsis virginiae*



Looking for new species, work with Craig Moritz



# Bush Medicines and bush Foods





Jupi (black currant)



Ngurrudin (Bush banana)



Dilan (Brachychiton root)

# Teaching others about bush medicines



Ngukurr community festival  
National Science Week, Sydney

# Adding data to ALA website

sightings.ala.org.au/mine;jsessionid=864B5543ECAE1A7EA1190855E3F41903

Atlas Of Living Australia    ALA Apps    ALA Info    Search the Atlas    Search

## My sightings

My sightings | Recent sightings | Occurrence explorer    Report a sighting

This is a simple list of the sightings you have submitted. You can filter, sort and map sightings using the Atlas' Occurrence explorer.  
Note: Sightings may take up to 24 hours to appear in the Occurrence explorer pages.

Displaying records 1 to 10 of 165    Sort by: date last updated ▾ descending ▾

Images	Identification	Sighting info	
	<i>Ctenotus essingtonii</i> Uncertain	22-04-2015, 00:00 Recorded by: Yugul Mangi Rangers Yugul Mangi Rangers Locality: Warrpani Camp -13.90446, 135.09126	<a href="#">Edit</a> <a href="#">Delete</a>
	<i>Limnodynastes convexiusculus</i> Confident	13-05-2015, 00:00 Recorded by: Yugul Mangi Rangers Yugul Mangi Rangers Locality: Bullock Hole spring area -14.71442, 134.88242	<a href="#">Edit</a> <a href="#">Delete</a>
	<i>Tropidonophis mairii</i> Confident	13-05-2015, 16:14 Recorded by: Yugul Mangi Rangers Yugul Mangi Rangers Locality: Bullock Hole spring area -14.71545, 134.88164	<a href="#">Edit</a> <a href="#">Delete</a>
	<i>Platylectrum ornatum</i> Confident	12-05-2015, 12:54 Recorded by: Yugul Mangi Rangers Yugul Mangi Rangers Locality: Bullock Hole spring area -14.71474, 134.882	<a href="#">Edit</a> <a href="#">Delete</a>

# Map of our ALA species records

← → C [biocache.ala.org.au/occurrences/search?q=\\*&fq=\(data\\_resource\\_uid:dr364%20OR%20data\\_resource\\_uid:dr1902%20OR%20data\\_res](http://biocache.ala.org.au/occurrences/search?q=*&fq=(data_resource_uid:dr364%20OR%20data_resource_uid:dr1902%20OR%20data_res)

**Atlas Of Living Australia** ALA Apps ▾ ALA Info ▾ Search the Atlas **Search**

Selected filters: (Dataset: Individual Sightings OR Dataset: Questagame weekly feed OR Dataset: Spot Our Species) ×  
User: Yugul Mangi Rangers Yugul Mangi Rangers × > Clear all

Records Map Charts Record images

View in spatial portal Download map

Narrow your results

Selected filters

(Dataset: Individual Sightings OR Dataset: Questagame weekly feed OR Dataset: Spot Our Species)  
 User: Yugul Mangi Rangers Yugul Mangi Rangers  
> Clear all

▶ Taxon

▶ Location

▶ Occurrence

▶ Record

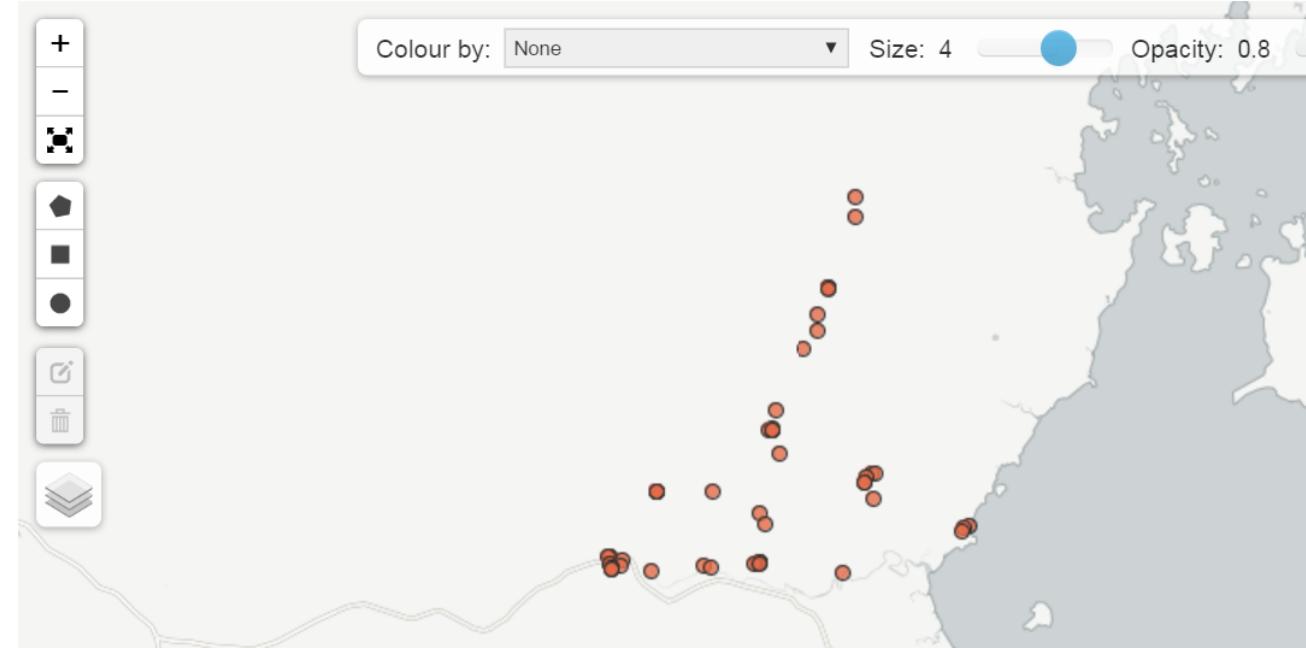
+

-

Colour by: None

Size: 4

Opacity: 0.8



# Blogs on the Atlas of Living Australia website

Mail - Emilie Ens - Outlook \* Returning to the remote C

www.ala.org.au/blogs-news/returning-to-the-remote-country-of-the-ngandi-people/

Apps Settings Google JCR-Web 4.5 Journa... Google Scholar NetBank - Home Finance Administrati... My Concur RMPL Login Environment ar

Atlas Of Living Australia ALA Apps ALA Info Search the Atlas Search

## Returning to the remote Country of the Ngandi People

BY ADMIN JUNE 9, 2015 TAGS: BLOGS & NEWS INDIGENOUS

*\*\* This post has been written and produced by the Yugul Mangi Rangers of south-east Arnhem Land, with Emilie Ens and Mitchell Scott (Macquarie University, Sydney).*

Aboriginal people manage some of Australia's most remote and difficult to access parts of Australia. Limited access by people can mean that environmental threats such as intense wildfire and invasive species take hold. Thanks to funding and support from the Atlas of Living Australia (ALA), Australian National University (ANU) Centre for Biodiversity Analysis (CBA) and the Foundation and Friend of the Botanic Gardens (FFBG), in April 2015 the Yugul Mangi Rangers, Mingirringi (Traditional Owners) and Jungayi (Traditional Managers) were able to travel to remote Ngandi Country in the proposed SE Arnhem Land Indigenous Protected Area. Ecologists from Macquarie University in Sydney (Emilie Ens and Mitchell Scott), the Acting Collections Manager at the National Herbarium of New South Wales (Gillian Towler) and Ngukurr Language Centre Linguist (Salome Harris) who have all been working with the Rangers were fortunate enough to join the trip and assist with cross-cultural biodiversity surveys and cultural knowledge recordings.



## First ALA records of elusive Leichhardt's Grasshopper in Arnhem Land

BY BRYAN KALMS

JANUARY 20, 2015

TAGS:

BLOGS & NEWS INDIGENOUS

*\*\* This post has been written and produced by the Yugul Mangi Rangers of south-east Arnhem Land, with Emilie Ens and Mitchell Scott (Macquarie University, Sydney).*



Leichhardt's Grasshopper

Thanks to ALA support, the Yugul Mangi Rangers and ecologists Emilie Ens and Mitchell Scott have entered the first ALA record of the near-threatened Leichhardt's Grasshopper (*Petasida ephippigera*) for Arnhem Land. The culturally significant and brightly-coloured species continues to battle against the odds of changing fire regimes and a dietary dependence, to survive in the rugged sandstone escarpment of some of Australia's most inaccessible country.



Sharing biodiversity knowledge

Contributed by  
Australia's academic,  
scientific,  
environmental  
communities and you.

Get involved

### Blog & News Updates

Webinar by Arthur Chapman on the history of biodiversity informatics

Save the Date – Atlas of Living Australia Science Symposium 11-12 May 2016

NSW South Coast: December 2015 BioBlitz

Browse Blog & News

### Connect with us



# Making a SE Arnhem Land IPA Plant and Animal book

- 130 pages so far
- 10 languages – 8 Aboriginal, 2 English
- Birds, Mammals, Reptiles, Plants

GUYAL DREAMING TOTEM  
VULNERABLE (NORTHERN TERRITORY)  
NEAR THREATENED (IUCN)



Clarry Rogers with shot Walpurungu ready for cooking. Wommaan, October 2014

Body size 1m

Head topped with black; white neck and chest; brown back wings and tail. Walpurungu stands still and straight with its head tilted upwards.



Language	Animal Name
Common Name	Bush Turkey / Bustard
Kriol	Tamgii
Marra	Jambirina
Rithamngu	Walpurungu
Wagilak	Walpurungu
Ngandi	A-Walpurunguh
Nunggubuyu	Allburunggu mana Ngandug mana (juvenile)
Ngalakan	Malardordo (juvenile)
Alawa	Jambirina
Wandarrang	
Scientific Name	<i>Ardeotis australis</i>



Buwambworo (Ngalekan for turkey down) covers the ground.



Open grasslands and woodland is common habitat for Walpurungu

# SE Arnhem Land IPA profile pages

- Putting more of our language and knowledge into the ALA

The screenshot shows a web browser displaying the profile page for 'jupi' on the South East Arnhem Land Plants and Animals website. The URL in the address bar is [profiles.ala.org.au/opus/abd4d7ae-37f9-4770-95d3-19a5286bd6c0/profile/jupi](https://profiles.ala.org.au/opus/abd4d7ae-37f9-4770-95d3-19a5286bd6c0/profile/jupi). The page header includes links for 'South East Arnhem Land Plants and Animals', 'Glossary', 'About', 'Search...', 'Profile collections', and 'User settings'. A large aerial photograph of a traditional Aboriginal community is visible in the background. The main content area features the word 'jupi' in a large, stylized font. On the left, there are two blue buttons with white icons: one for a menu and one for a map. Below these are several language terms listed under 'Cultural Description':

- jupi is our bush fruit that we eat after every wet season...
- common - black currant tree
- kriol - jupi
- marra - yadargarr/gumirr
- ritharrnu - wudjal
- rembarrnga - jupi
- ngandi - ma-gumirr
- nunggubuyu - wungarragaga
- naalakan - iupbhi

A small 'SCROLL TO TOP' button is at the bottom left, and a 'SEND FEEDBACK' button is at the bottom right. On the right side of the page, there is a photograph of three Aboriginal women sitting at a long table outdoors, working on laptops and looking at papers.



# Thankyou!

