



Kanyirninpa Jukurrpa

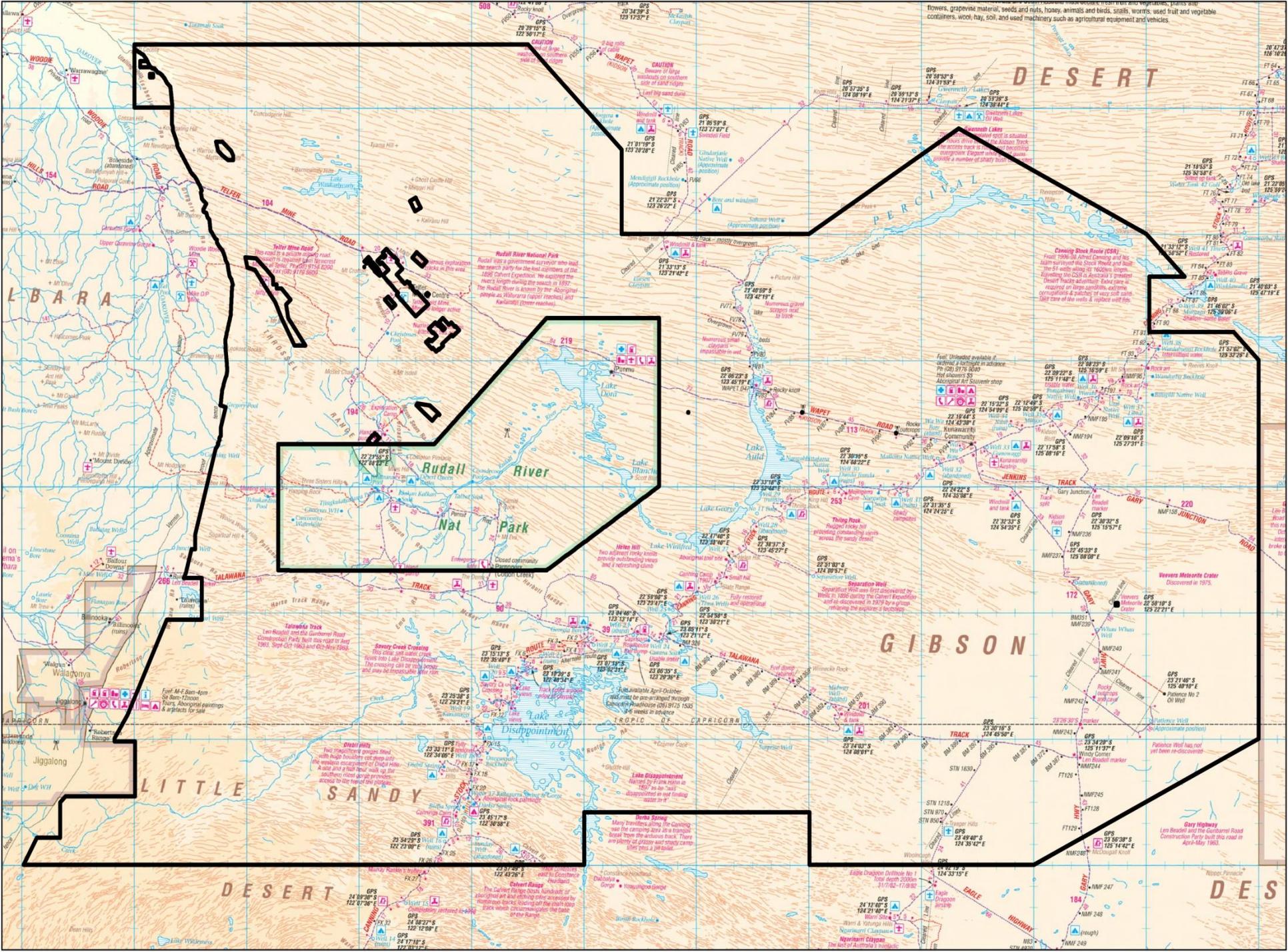
Sustainable management at a
landscape scale – culture,
communities, environment

EIANZ Conference October 2015

Martu land management activities

- ❑ About Martu
- ❑ Martu strategy
- ❑ Management activities
- ❑ Traditional and contemporary knowledge
- ❑ Challenges





DESERT

LBARA

LITTLE SANDY

DESERT

GIBSON

DES

TELFER MINE ROAD
This road is a private road owned by Telfer Mine. It is not shown on the map. It is a dirt road and is not suitable for heavy vehicles. It is located in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Rudall River National Park
Rudall is a government reserve which was the search party for the last survivors of the 1938 Curtin Expedition. It is a large area of land in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Rudall Nat Park
Rudall Nat Park is a government reserve which was the search party for the last survivors of the 1938 Curtin Expedition. It is a large area of land in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Talawana Track
This track is a private track owned by Talawana. It is not shown on the map. It is a dirt track and is not suitable for heavy vehicles. It is located in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Snowy Creek Crossing
This crossing is a private crossing owned by Snowy Creek. It is not shown on the map. It is a dirt crossing and is not suitable for heavy vehicles. It is located in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Disappointment Lake
Disappointment Lake is a large lake in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Wapeta Lake
Wapeta Lake is a large lake in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Separation Well
Separation Well is a well in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Veveers Meteorite Crater
Veveers Meteorite Crater is a meteorite crater in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

Gary Highway
Gary Highway is a highway in the north-western part of the park. It is about 100 km long and is in poor condition. It is not recommended for travel.

MARTU COUNTRY

- ❑ 13.6 million Ha
- ❑ All exclusive possession native title over unallocated Crown land
- ❑ Spans 3 IBRA regions
 - Great Sandy Desert
 - Little Sandy Desert
 - Gibson Desert
- ❑ Completely surrounds Karlamilyi (Rudall River) National Park











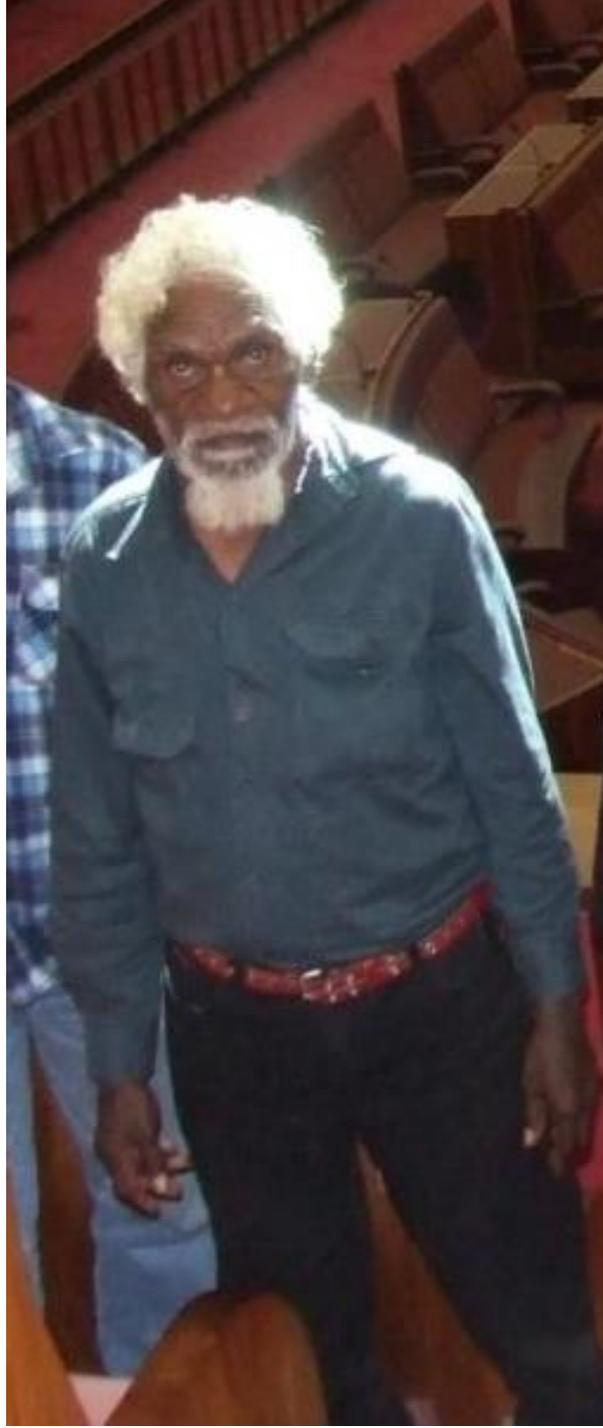






About Martu

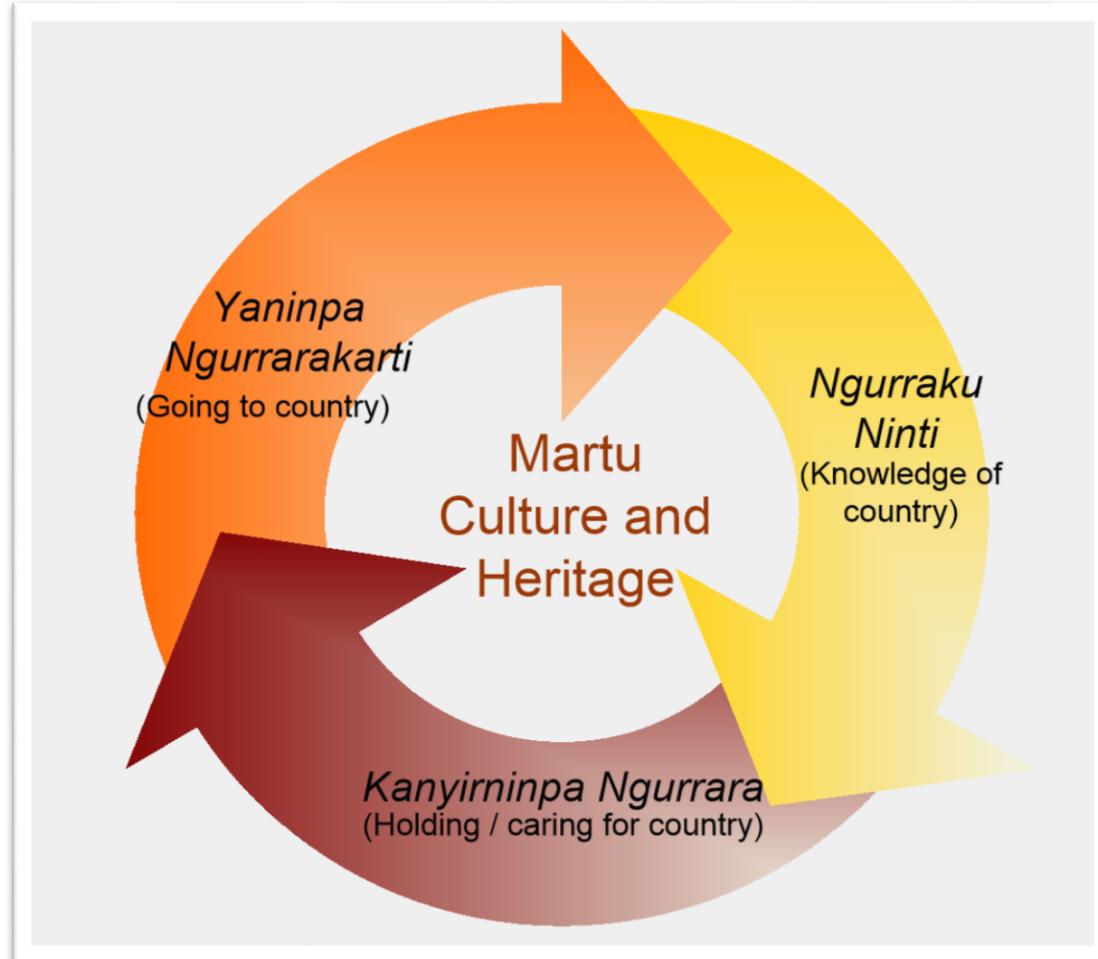
- ❑ Traditional owners to the Western Desert
- ❑ Strong culture
- ❑ Recent first contact with Europeans
- ❑ Some elders have first hand knowledge of living in country



About Martu

- ❑ Traditional owners to the Western Desert
- ❑ Strong culture
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- ❑ Some elders have first hand knowledge of living in country

Martu aspirations



Healthy country plan



Martu Kanyirninpa Ngurrara Plan
A plan for healthy country

What Martu value



Ngurra ninti
(Knowledge of Country)



Martu
livelihood



Important
Martu places



Small animals
(like mankarr)



Kapi
(Water)



Warlakaja
(Lakes systems)



Mirrka
(Bush foods)



Kuwiyi
(Bush meat)

Threats to what Martu value



Climate change



Feral herbivores



Wrong way Waru



Tourist visitation



Unplanned Infrastructure

Young people not learning from old people



Introduced predators



Weeds



Other peoples' roads



Empty Country (No Martu)

Martu on country





KALYUKU NINTI NGURRA
RANGERS

Tracklander

LAND CRUISER





Martu ninti (knowledge)









Water





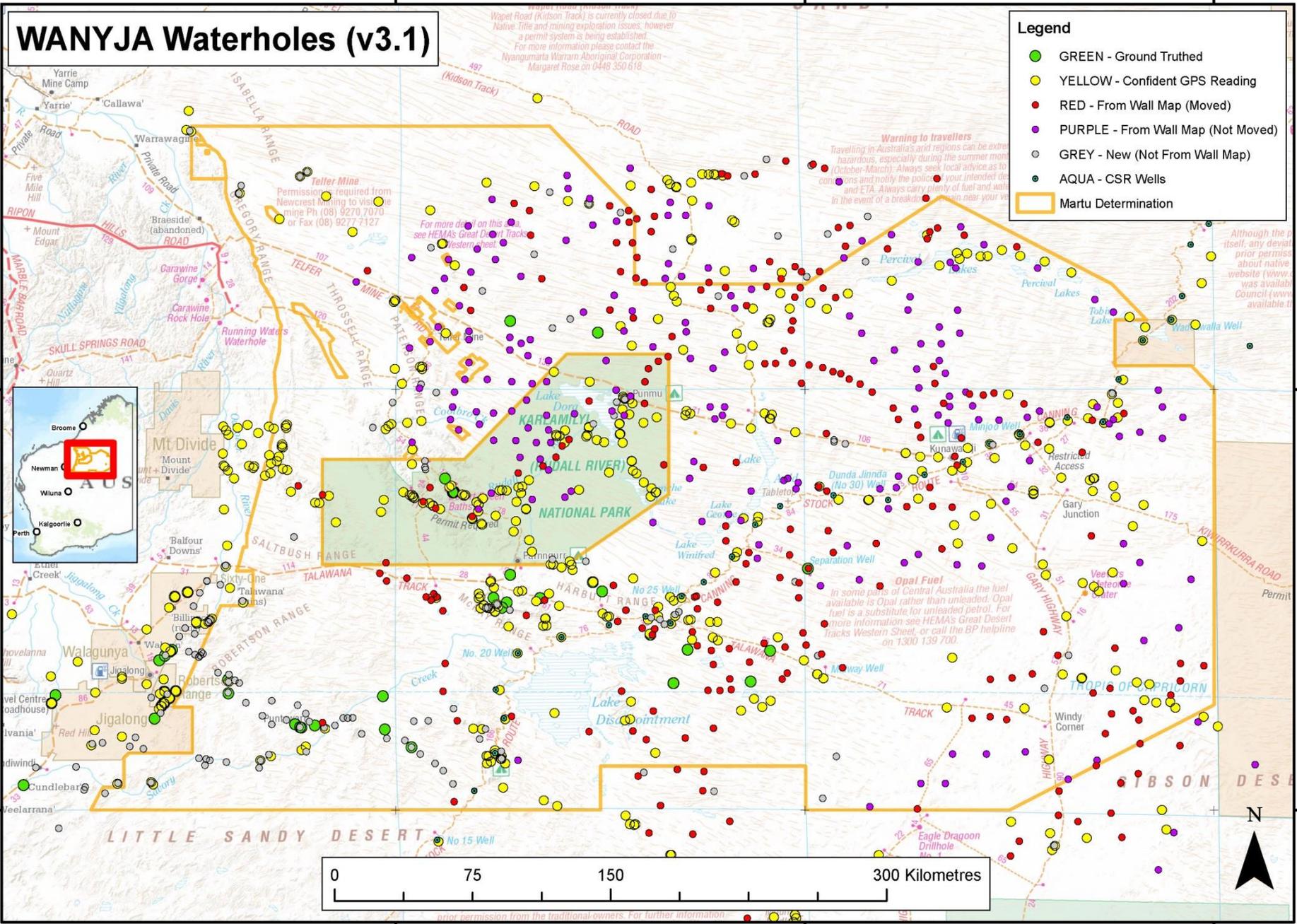




WANYJA Waterholes (v3.1)

Legend

- GREEN - Ground Truthed
- YELLOW - Confident GPS Reading
- RED - From Wall Map (Moved)
- PURPLE - From Wall Map (Not Moved)
- GREY - New (Not From Wall Map)
- AQUA - CSR Wells
- Martu Determination



Wapet Road (Kidson Track) is currently closed due to Native Title and mining exploration issues, however a permit system is being established. For more information please contact the Nyngumarta Waram Aboriginal Corporation - Margaret Rose on 0448 350 618.

Warning to travellers
 Travelling in Australia's arid regions can be extra hazardous, especially during the summer months (October-March). Always seek local advice as to conditions and notify the police of your intended destination and ETA. Always carry plenty of fuel and water in the event of a breakdown.

Although the title itself, any device prior permits about native website (www was availat Council (www available t

Opal Fuel
 In some parts of Central Australia the fuel available is Opal rather than unleaded. Opal fuel is a substitute for unleaded petrol. For more information see HEMA's Great Desert Tracks Western Sheet, or call the BP helpline on 1300 139 700.

prior permission from the traditional owners. For further information

FIRE







Managing feral animals





KeepGuard

05-17-2011 21:17:12



MALYARD RIVER + BRIDGE
2005 - 2015

NEW YORK
BROOKLYN

Joyau
our el
rance



1080 POISON RISK

⚠
DANGER

WEST COAST
EAGLES

Weed management



Tourism management





Threatened species management



THREATENED

INVASIVE

GAME

THREATENED SPECIES ON MARTU COUNTRY



Langamarlu (Mulgara)



Kamalpa (Camel)



Karlaya (Emu)



Langamarlu (Mulgara)

Langamarlu are carnivorous marsupials that build complex burrows in sandy dune slopes and sand plains. There are two species of langamarlu that live in Martu country – the Brush-tailed Mulgara and the Crest-tailed Mulgara.



Mankarr (Bilby)



Jipuku (Rabbit)



Kipara (Bustard)



Mankarr (Bilby)

Mankarr once lived in arid and semi-arid regions throughout most of Australia, but are now confined to the deserts of central Australia and south-western Queensland. They live in a range of habitats, from clay and stony soils with little vegetation, to sandy soils with spinifex and Acacia shrubland.



Mulyamiji (Great desert skink)



Warnapari (Fox)



Yalopara (Perentie)



Mulyamiji (Great desert skink)

Mulyamiji live communally in burrow systems and have a distinctive 'latrine' or toilet. They are especially susceptible to inappropriate fire regimes since traditional patch burning has ceased across large parts of central Australia.



Kakararatu (Marsupial mole)



Tangki (Donkey)



Parnajarpa (Sand goanna)



Kakararatu (Marsupial mole)

Kakararatu are very hard to find, but they are still thought to be distributed across central Australia, particularly in sand dunes and the sandy soils of river flats where they can dig tunnels for food and shelter.



Warru (Black-flanked rock wallaby)



Pujikatu (Cat)



Marlu (Red kangaroo)



Warru (Black-flanked rock wallaby)

Warru were once found across a large area of WA, from the arid Pilbara and Kimberley to the south coast, including the Swan River. They are now confined to a few isolated rocky ranges. They use caves and crevasses amongst the rocks to shelter during the day.

Tracking using pujiman ninti (bushman knowledge)



Traditional and contemporary



Jigalong rangers and waru (black flanked rock wallabies)



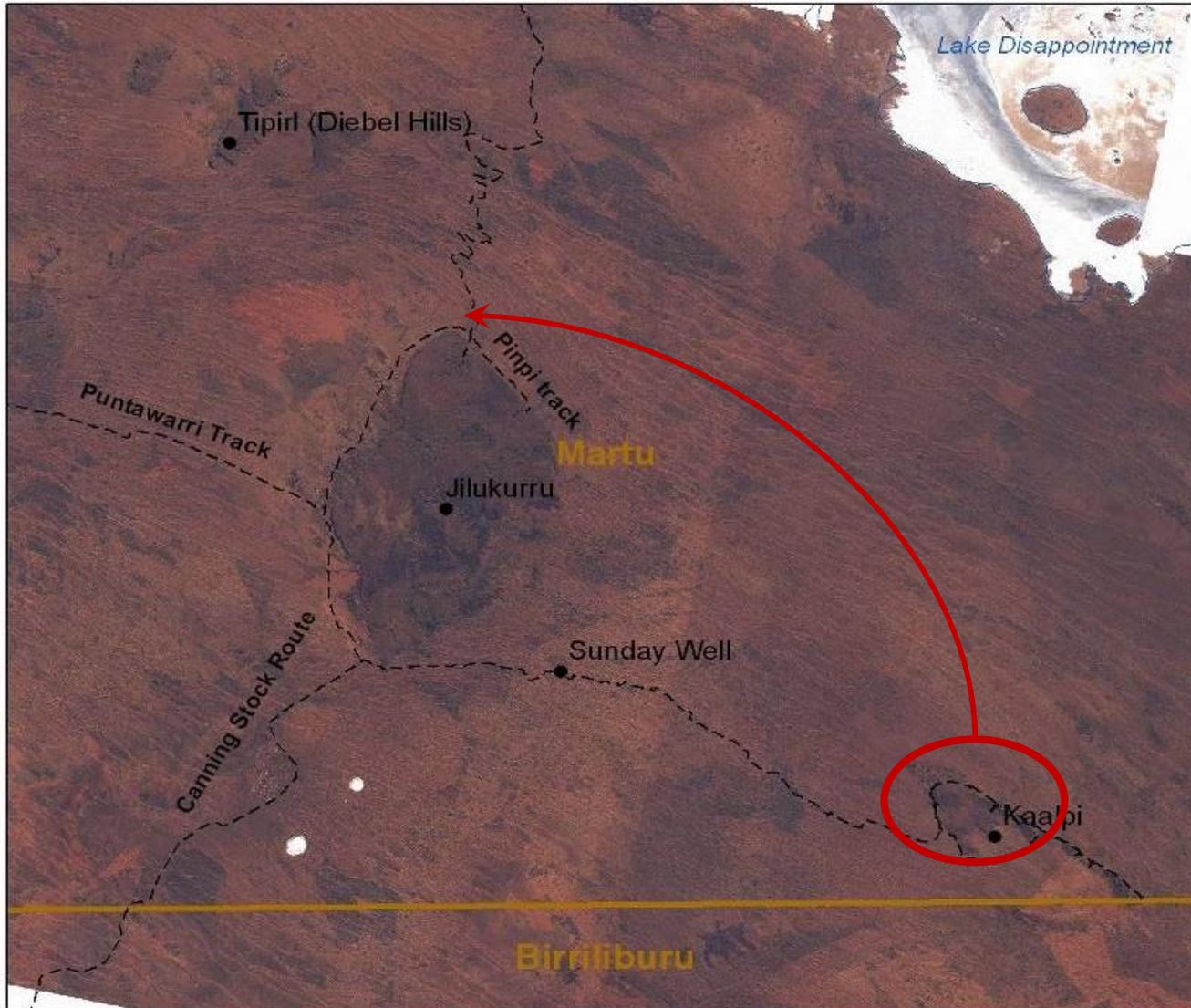


Managing rock wallabies

- Successful translocation of 26 wallabies from est. population of 500
- 20 satellite or VHF collars fitted
- High survival rate to date
- Pouch young healthy
- Extensive trapping and population monitoring



Translocation sites



Rock wallaby source and release sites

Legend

● Western Desert places

-- Unsealed roads

■ DEC estate

■ Native title determination

□ Waterbodies

□ IBRA regions

PILBARA_DESERT_PAN_SHARPENED2.ecw

RGB

■ Red: Band_1

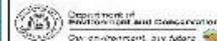
■ Green: Band_2

■ Blue: Band_3

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Projection: Universal Transverse Mercator
MGA Zone 51; Datum: GDA84

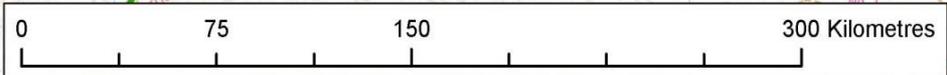
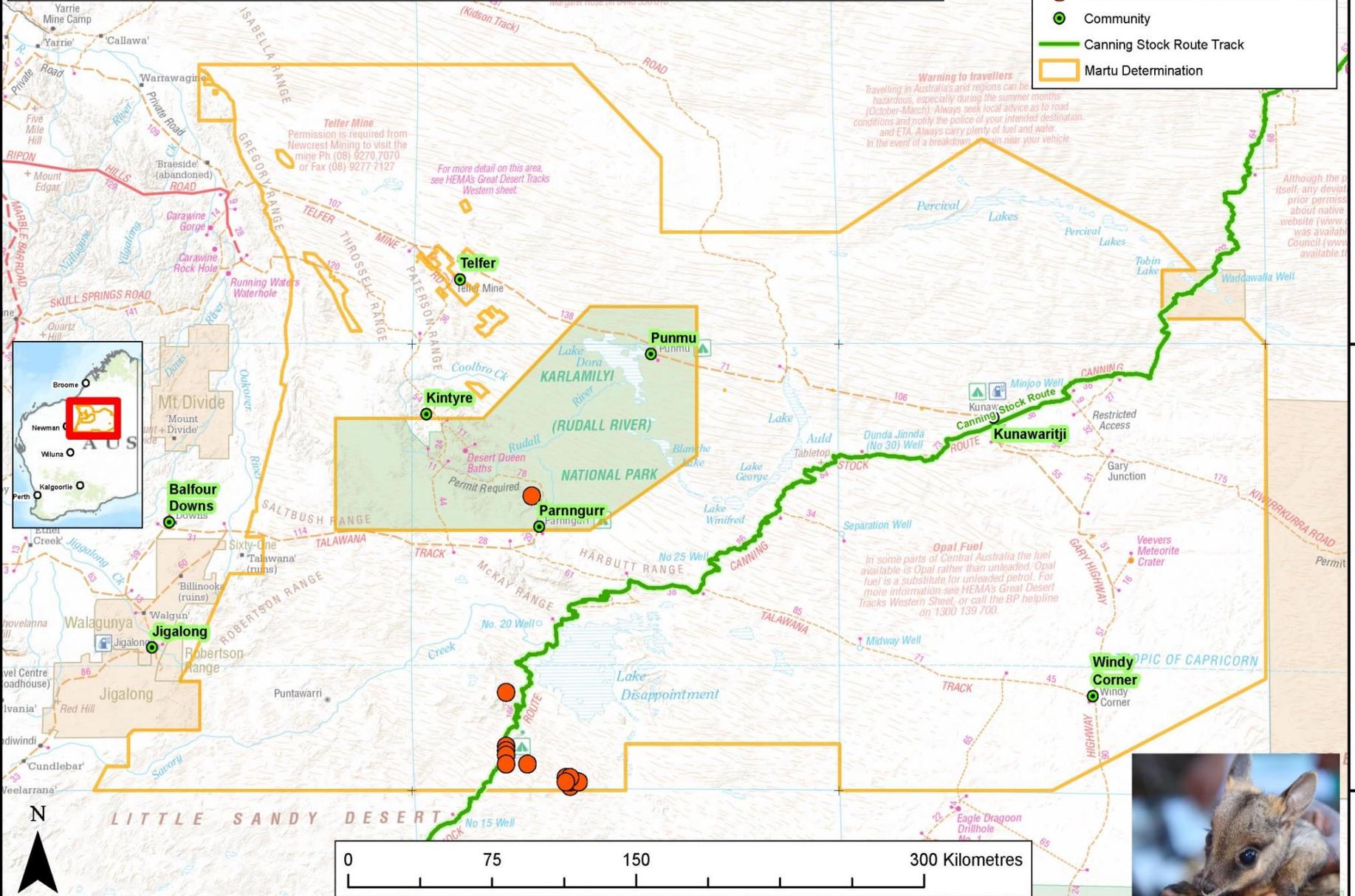


Produced under the Direction of
Kerren McNamee
Director General, Department of
Environment and Conservation

CT Fauna Observations - ROCK WALLABY (2008 to 2014)

Legend

- ROCK WALLABY Presence (2008 - 2014)
- Community
- Canning Stock Route Track
- Martu Determination



Managing altered fire regimes

- Agreement on a regional fire management and annual planning process
- Training
- Suite of traditional and contemporary practices implemented:
 - Ground burning
 - Helicopter assisted
 - Aerial incendiary











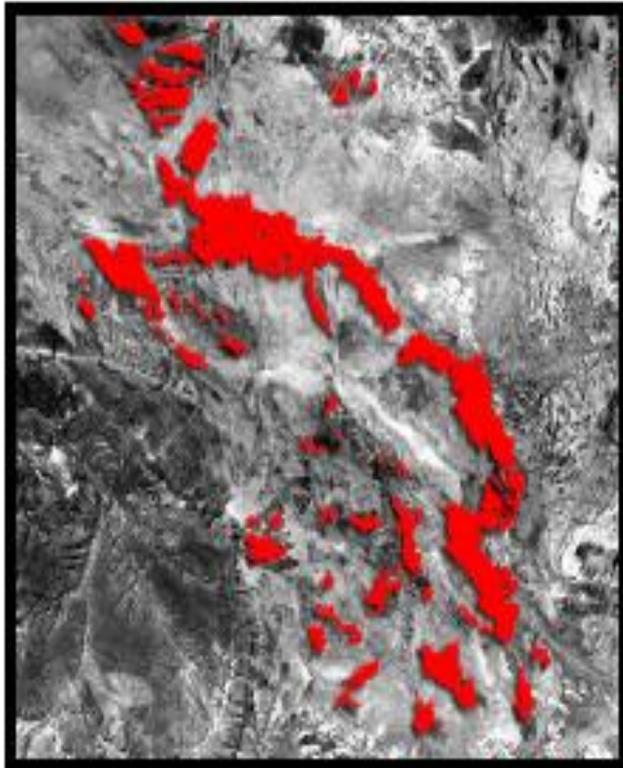




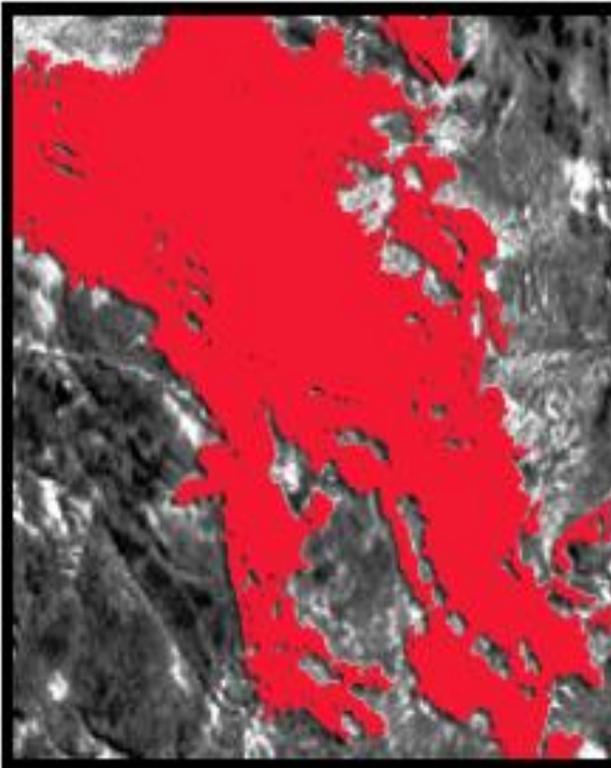
Example of altered fire regime

Fires between Yulpul and Parnngurr rockhole

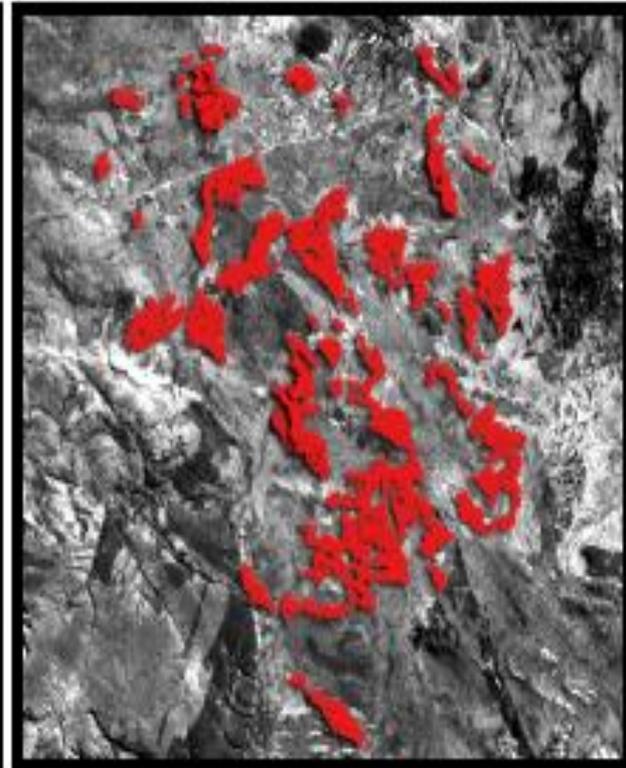
1954: Martu



1973: No Martu



2000: Martu



Challenges

- Landscape scale
- Partnership
- Respecting Martu *ninti*



Funders and supporters



Australian Government

Department of the Prime Minister and Cabinet





Kanyirninpa Jukurrpa
Martu Cultural Knowledge Program
Building Sustainable Martu Communities

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