10.1071/WR24071

Wildlife Research

Supplementary Material

Prioritising animals for Yirralka Ranger management and research collaborations in the Laynhapuy Indigenous Protected Area, northern Australia

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Laynhapuy Priority Animals List

These animals were a concern across all **6** meetings and interviews



Wa<u>n</u>'kurra (Northern Brown Bandicoot)

These Yolnu priority warrakan were nominated from six meetings and survey djäma interviews. The Warrakan'puy djäma **Head Ranger meeting** (2022), **Laynhapuynu** and **Miyarkapuynu Ward Mala** meetings, and surveys at **Garrata**, **Djarrakpi** and **Buymarr**.

These animals were a concern across **4** meetings and interviews



Rupu/Marrnu (Northern Brushtail Possum) Vulnerable EPBC



Dilkam/Biyay' (Sand Monitor)



Djanda (Yellow-Spotted Monitor)

Vulnerable NT

These animals were a concern across **3** meetings and interviews



Wan'kawu (Merten's



Min'djirrtjirr (Mangrove monitor)



Wäraŋ (Savanna glider)

These animals were a concern across **2** meetings and interviews



Djirrmaŋa' (Echidna)



Barkuma' (Northern Quoll) Critically Endangered NT



Djirikitj (Brown quail, Redbacked button quail)



Miyapunu (Sea turtles species) All listed in NT or Nationally

These animals were a concern at **1** meeting and are threatened in the NT



Malwiya (Emu)

Near Threatened NT



Nyumukuniny ga Bathala Nyiknyik (Small and Large Rodents) Some Vulnerable or Endangered



Minhala (Northern Snakenecked Turtle) Near Threatened IUCN



Dhurruyamba (Water rat)



These species were a concern at ${f 1}$ meeting and are not threatened in the NT or Nationally

- Gata<u>l</u>a (Eastern Short-eared Rock Wallaby)
- Därrpa (King Brown/Northern Brown Snake)
- Dhamalinu (Northern Blue Tongue Lizard)
- Garanaŋga' (Tree snake)
- Gunuŋu' (Black headed python)
- Garrtjambal (Antilopine wallaroo)
- Buwata (Australian Bustard)
- Delili (Magpie lark)
- Mulunda (White-breasted woodswallow)
- Djaykuŋ' (Arafura file snake)
- Munhaŋaniŋ' (Marbled Velvet Gecko)
- Nuykal' (Giant Trevally)
- Yambirrku' (Bluebone)

Fig. S1. Poster of Dalapalmi identified Laynhapuy priority animals. This poster was presented to Yirralka Head Rangers (4/4/2023) as part of an ongoing fauna research collaboration with Macquarie University researchers. Conservation listings were colour coded according to severity, with red representing critically endangered, orange for endangered, yellow for vulnerable, and green for near threatened. Priority animals with a ranking score of one that did not have a threatened conservation listing, were listed below the higher ranked animals.

File S1. A poster showing the priority warrakan (animals) nominated by Yolnu Dalapalmi knowledge holders. (See following pages.)

Laynhapuy Priority Animals



These Laynhapuy priority warrakan (animals) were nominated by Yolnu Nalapalmi (knowledge holders) during six elicitation sessions in 2022. The number of elicitation sessions each warrakan was mentioned in (warrakan rank) is indicated by a green circle on the top right, and threatened conservation status is indicated by a brown circle on the bottom left of each photo (AUS = national listing, IUCN= International Union for the Conservation of Nature listing, NT = Northern Territory state listing).



Dhurruyamba Water Rat



Gatala Eastern Short-eared Rock Wallaby



Därrpa King Brown



Garananga' Common Tree Snake



Gununu' Black Headed Python



Garrtjambal Antilopine Wallaroo



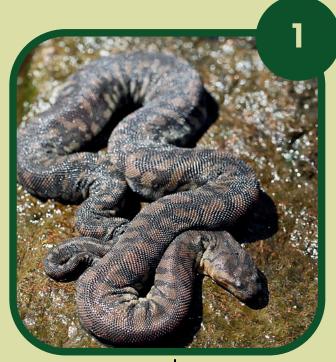
Buwata Australian Bustard



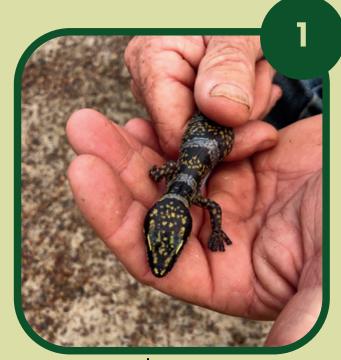
Delili Magpie Lark



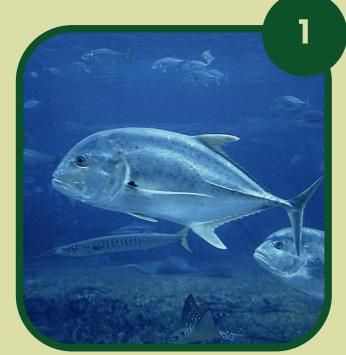
Mulunda White-breasted Woodswallow



Djaykun' Arafura File Snake



Munhananin' Marbled Velvet Gecko



Nuykal' Giant Trevally



Yambirrku' Bluebone

This is a working list based on Nalapalmi and Yirralka Ranger concern intended to guide warrakan management and research collaborations in the Laynhapuy Indigenous Protected Area.

This project was funded by an Australian Research Council Linkage Grant with Industry Partners the Yirralka Rangers and The Nature Conservancy (LP200301589) and an Australian Academy of Sciences Max Day Environmental Science Fellowship (2022).

Many thanks to Yolqu Nalapalmi and all Warrakan'puy Djäma project team members.



















