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# Science and Management of Magpie Goose NT

*A Data Management Plan created using DMPTool*

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## Project abstract:

The Magpie Goose, *Anseranas semipalmata*, is an iconic waterbird species valued for cultural reasons, as a resource for food, recreational hunting opportunities and as a wildlife viewing experience supporting nature based tourism in the Top End of the Northern Territory. The species has a long history of professional management with monitoring of populations in the Northern Territory by aerial survey having been carried out since the early 1980s and formal management plans in place since the early 2000s. This project summarises the science and the revises the current management plan. The challenges of managing an abundant but numerically and spatially variable species for multiple objectives and stakeholder groups is explored.

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## Data Collection

Distribution and Abundance data of Magpie Goose in NT

Population Dynamics Data

Hunter Data for recreational hunters, commercial operators and Aboriginal hunters

Wetland nesting and feeding habitat model

Pest and weed data for known impacts on Magpie Goose

Stakeholder attitudes and objective for management plan

Collation of Existing Survey data

Development /ammendment of population dynamics data

Development of Habitat model from distribution data, remoted sensing data and expert input

Collation of Hunter return data

Stakeholder surveys

Ammunition sales to remote communities

## Documentation and Metadata

EML Morpho data descriptions

CC By (type) data licence

Repository (Eco-cloud) file annotations

Published data records

## Ethics and Legal Compliance

Apply FAIR principles

Human Ethics Committee Approval for any new surveys of stakeholders

CC BY licence

## Storage and Backup

CoESRA (TERN) Cloud Storage for all working data, backed up to DENR network drive.

All published data to be hosted and managed via EcoCloud (TERN)

TBD in consultation with TERN

## Selection and Preservation

A full list to be prepared but the focus of this project will be publishing and sharing long term monitoring (aerial surveys) data and hunter return data

Stored in EcoCloud and in NT gov local data repository.

## Data Sharing

Intially as closed data repository via CoESRA. Longer term published data to be available via EcoCloud.

TBD but expectation all survey data to be open access (CC BY-SA-NC 4.0) and denatured hunting data likewise.

## Responsibilities and Resources

T. Clancy

Estimated at 0.2 FTE of effort with infrastructre, tools etc to be provided by the National e\_Research Infrastrucure.

