

Plan Overview

A Data Management Plan created using DMP Tool

Title: Science and Management of Magpie Goose NT

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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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Science and Management of Magpie Goose NT

Data Collection

What data will you collect or create?

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

How will the data be collected or created?

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

What documentation and metadata will accompany the data?

EML Morpho data descriptions

CC By (type) data licence

Repository (Eco-cloud) file annotations

Published data records

Ethics and Legal Compliance

How will you manage any ethical issues?

Apply FAIR principles

Human Ethics Committee Approval for any new surveys of stakeholders

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

CC BY licence

Storage and Backup

How will the data be stored and backed up during the research?

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)

How will you manage access and security?

TBD in consultation with TERN

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

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

What is the long-term preservation plan for the dataset?

Stored in EcoCloud and in NT gov local data repository.

Data Sharing

How will you share the data?

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

Are any restrictions on data sharing required?

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

Responsibilities and Resources

Who will be responsible for data management?

T. Clancy

What resources will you require to deliver your plan?

Estimated at 0.2 FTE of effort with infrastructure, tools etc to be provided by the National e_Research Infrastructure.
