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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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

Initially 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 infrastructure, tools etc to be provided by the National e_Research Infrastructure.