

Concept Plan SP 2018-121

Proof of concept trial of attachment of GPS logger/VHF transmitters to western ground parrots (*Pezoporous flaviventris*) using rubber-band harnesses.

Perth Zoo Science

Project Core Team

Supervising Scientist	Allan Burbidge
Data Custodian	Allan Burbidge
Site Custodian	

Project status as of Feb. 4, 2019, 4:58 p.m.

New project, pending concept plan approval

Document endorsements and approvals as of Feb. 4, 2019, 4:58 p.m.

Project Team	granted
Program Leader	granted
Directorate	required

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Biodiversity and Conservation Science Program

Perth Zoo Science

Departmental Service

Service 6: Conserving Habitats, Species and Communities

Aims

To determine whether standard rubber band harnesses are appropriate (safe and effective) for use on ground parrots.

Expected outcome

A safe and reliable method of affixing radio transmitters and GPS dataloggers to Western ground parrots.

Strategic context

The Western Ground Parrot is Critically Endangered, but a lack of data on its habits and ecology are limiting our ability to design suitable management strategies. Given the very low number of birds in the remaining wild population, validation of transmitter attachment methods is important to enable the acquisition of data needed to understand the ecology of this species. The technique is also likely to be applicable for a broader range of bird species.

Expected collaborations

This project is a collaboration between Biodiversity Conservation Science staff who work with Western ground parrots in the field, and Perth Zoo Life Sciences staff who maintain the only captive colony of Western ground parrots in the world.

Proposed period of the project

Aug. 23, 2018 – Dec. 1, 2018

Staff time allocation

Role	Year 1	Year 2	Year 3
Scientist			
Technical			
Volunteer			
Collaborator			

Indicative operating budget

Source	Year 1	Year 2	Year 3
Consolidated Funds (DBCA)			
External Funding			