

Progress Report SP 2018-102

Perth Zoo *Geocrinia* frog breed and rear for release program.

Perth Zoo Science

Project Core Team

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Project status as of Sept. 7, 2018, 1:16 p.m.

Update requested

Document endorsements and approvals as of Sept. 7, 2018, 1:16 p.m.

Project Team	granted
Program Leader	granted
Directorate	required

Perth Zoo *Geocrinia* frog breed and rear for release program.

P Mawson

Context

The Perth Zoo Native Species Breeding Program maintains a captive breeding colony of *Geocrinia alba* and *G. vitellina*. Eggs clutches of both species are collected from the wild at the request of the Recovery Team and metamorphs raised to 11 months of age, at which point they were released to the wild. There is ongoing research and husbandry management to achieve regular and reliable captive breeding in both species.

Aims

To breed and rear White-bellied and Orange-bellied frogs for release to sites approved by the *Geocrinia* Frog Recovery Team in order to maintain or increase the current extent and viability of these species.

Progress

The Perth Zoo Native Species Breeding Program maintained a captive breeding colony of *Geocrinia alba* and *G. vitellina* during 2017-18. Eggs clutches of both species were collected from the wild at the request of the Recovery Team and metamorphs raised to 11 months of age, at which point they were released to the wild.

Management implications

It will be 2-3 years before metamorphs released in 2017 reach sexual maturity and males begin calling. This is the only way that self-sustaining populations can be confirmed.

Future directions

The *Geocrinia* frog program will continue to support recovery actions.