

**Progress Report STP 2012-230 (FY 2015-2016)**

**Wildlife ecology in the southern jarrah forest**

**Ecosystem Science**

**Project Core Team**

**Supervising Scientist**

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**Site Custodian**

**Project status as of June 16, 2016, 3:05 p.m.**

Update requested

**Document endorsements and approvals as of June 16, 2016, 3:05 p.m.**

**Project Team**

granted

**Program Leader**

granted

**Directorate**

required

## Wildlife ecology in the southern jarrah forest

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### Progress Report

The project aims to i) complete a baseline survey of the small terrestrial vertebrates in Perup Nature Reserve; ii) investigate patterns of distribution and abundance of small vertebrates in the southern jarrah forest in relation to habitat; iii) estimate woylie home range size in and outside the Perup Sanctuary; iv) investigate spatial patterns and v) temporal patterns in the distribution of woylies across the Upper Warren Region in relation to habitat.

Progress to date includes the completion of all fieldwork. A report has been completed on the baseline survey of small terrestrial vertebrates and the patterns of distribution and abundance in relation to habitat in the Perup Nature Reserve. Scientific articles relating to broad scale habitat associations of small vertebrates, fine scale vegetation associations of small vertebrates and spatial and temporal patterns of woylie distribution in the Upper Warren are being submitted for publication. A scientific article describing the home range size and habitat utilisation of woylies in and outside Perup Sanctuary has been published in *Australian Mammalogy*:

Yeatman, GJ, Wayne AF (2015) Seasonal home range and habitat use of a critically endangered marsupial (*Bettongia penicillata ogilbyi*) inside and outside a predator-proof sanctuary. *Australian Mammalogy*