

# Ecosystem effects of dingo control in the Greater Blue Mountains World Heritage Area

Daniel Hunter

Supervisors: Dr Mike Letnic & Dr Rosalie Chapple



**UNSW**  
AUSTRALIA



# Predators Structure Ecosystems



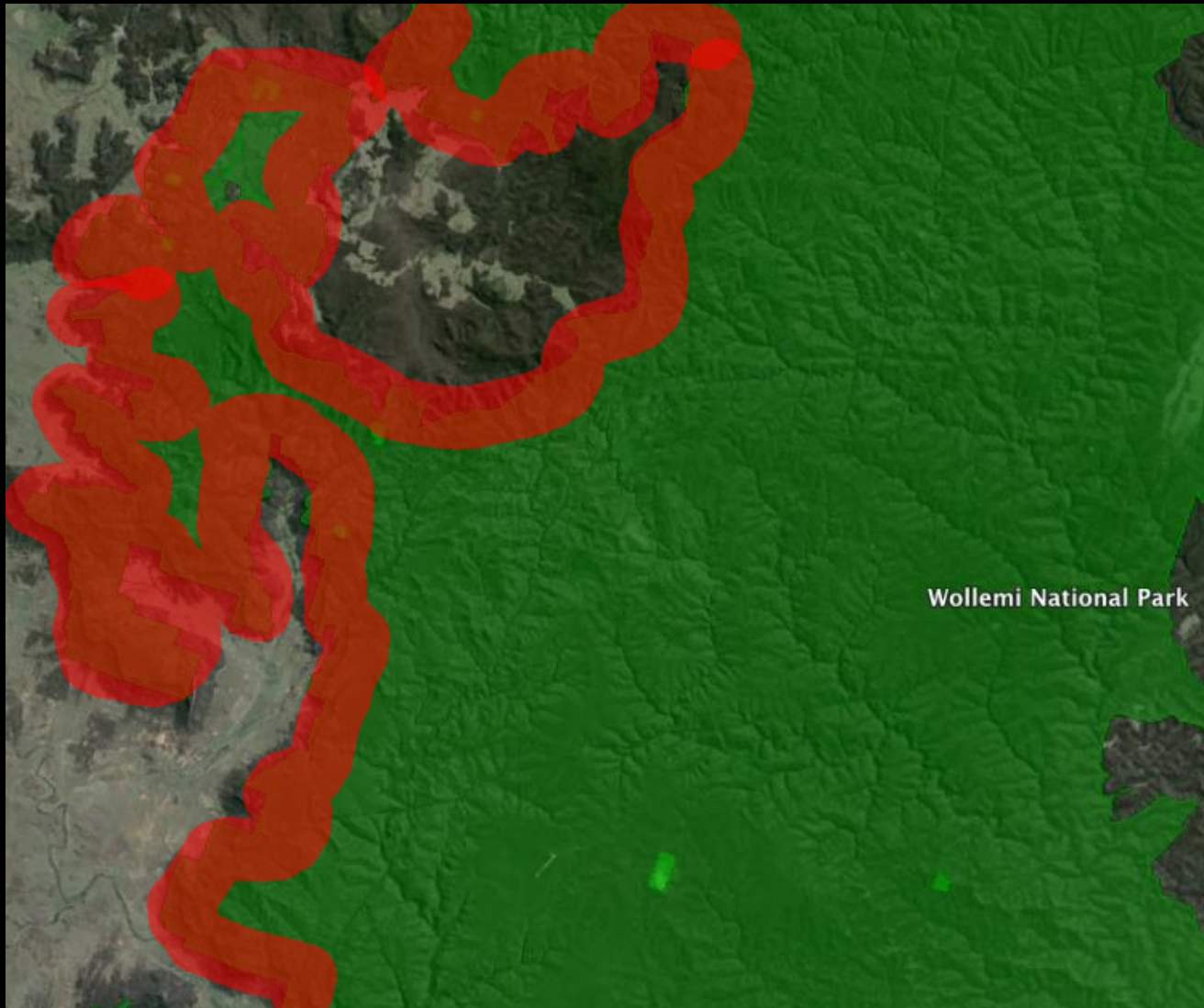
Abundance



Abundance



# Dingo Management



# Wollemi National Park

Treatment – 1080 Baiting

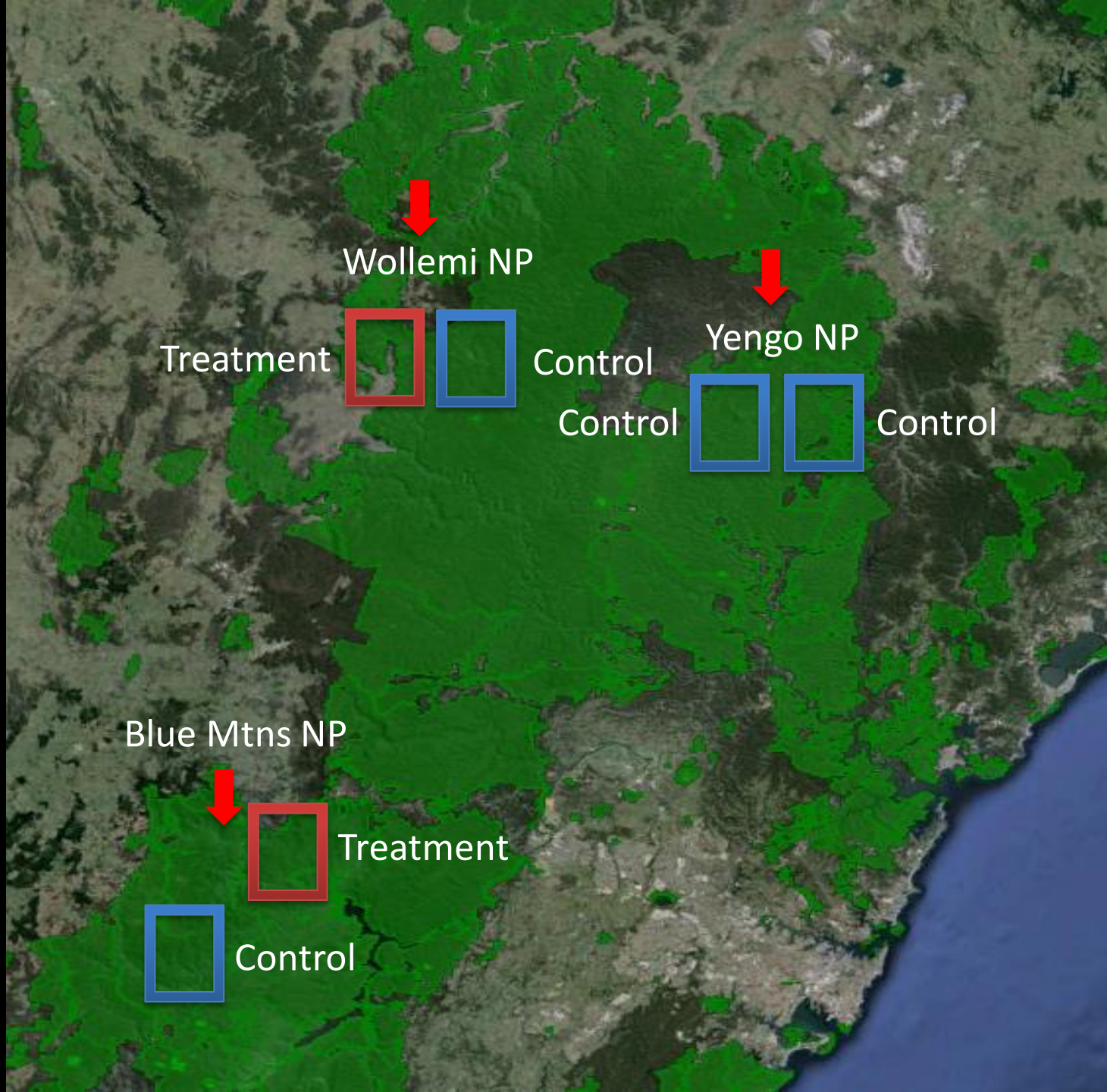
Baited Area – Dingoes uncommon



Control – No 1080 Baiting

Unbaited Area – dingoes common





Wollemi NP

Treatment



Control

Yengo NP



Control

Blue Mtains NP



Treatment



Control

TREATMENT  
1080 Baiting



CONTROL  
No 1080 Baiting





# Yengo National Park



Big Yango -  
Unbaited

Booree -  
Unbaited

# Yengo National Park



Big Yango-  
Unbaited

**BAITED**

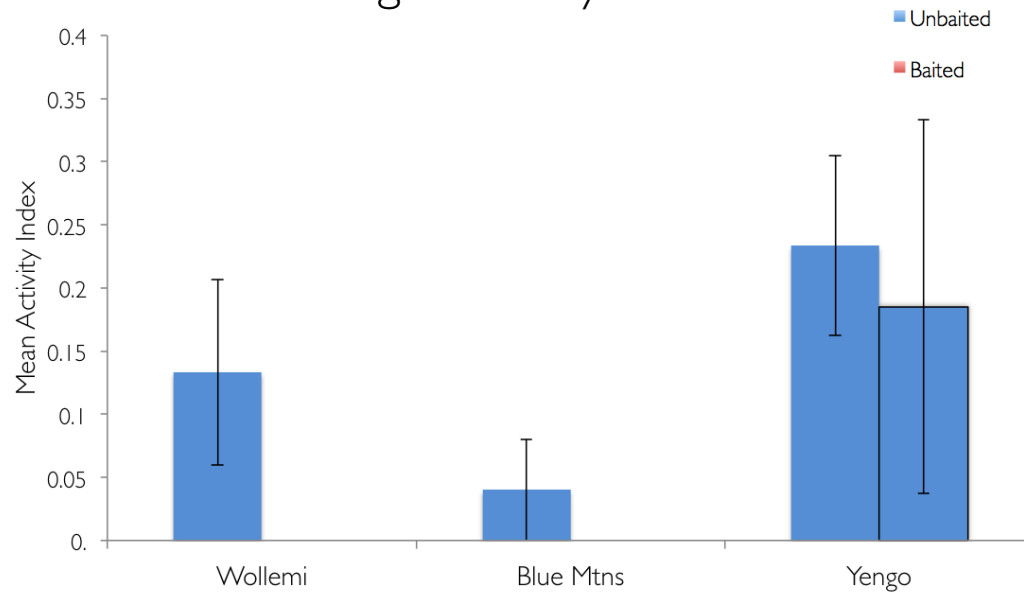
A red arrow points upwards from the text 'Big Yango-Unbaited' to the red-bordered box. A large, bold, red word 'BAITED' is superimposed over the text.

Booree-  
Unbaited

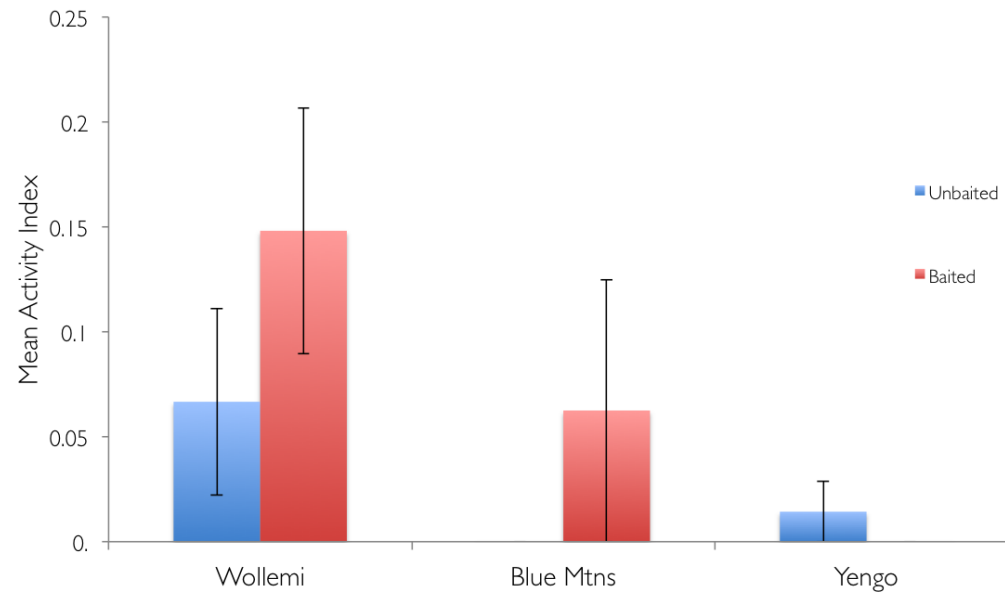
A blue arrow points upwards from the text 'Booree-Unbaited' to the blue-bordered box.



## Dingo Activity Index

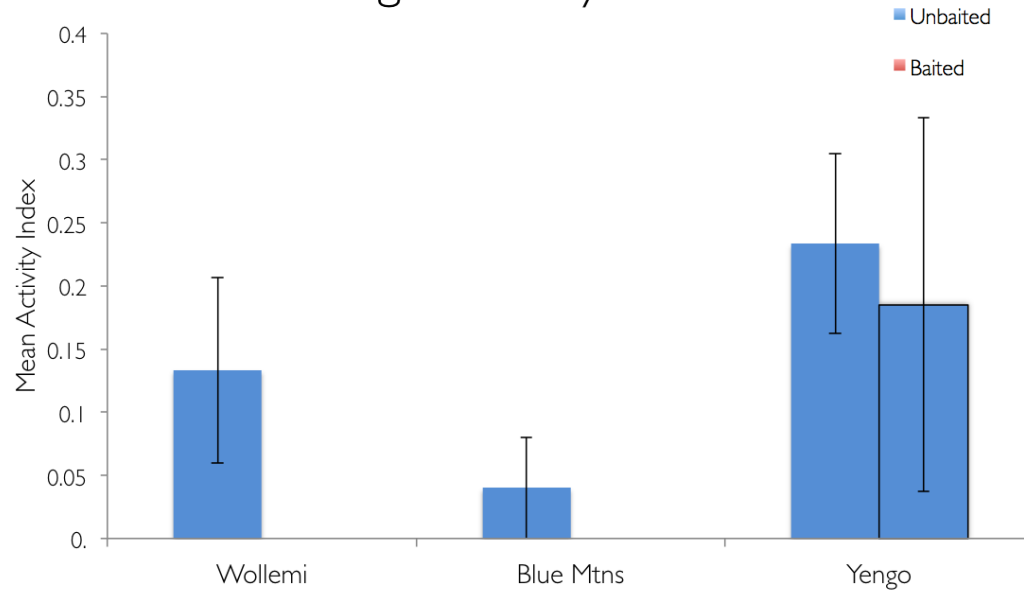


## Cat Activity Index

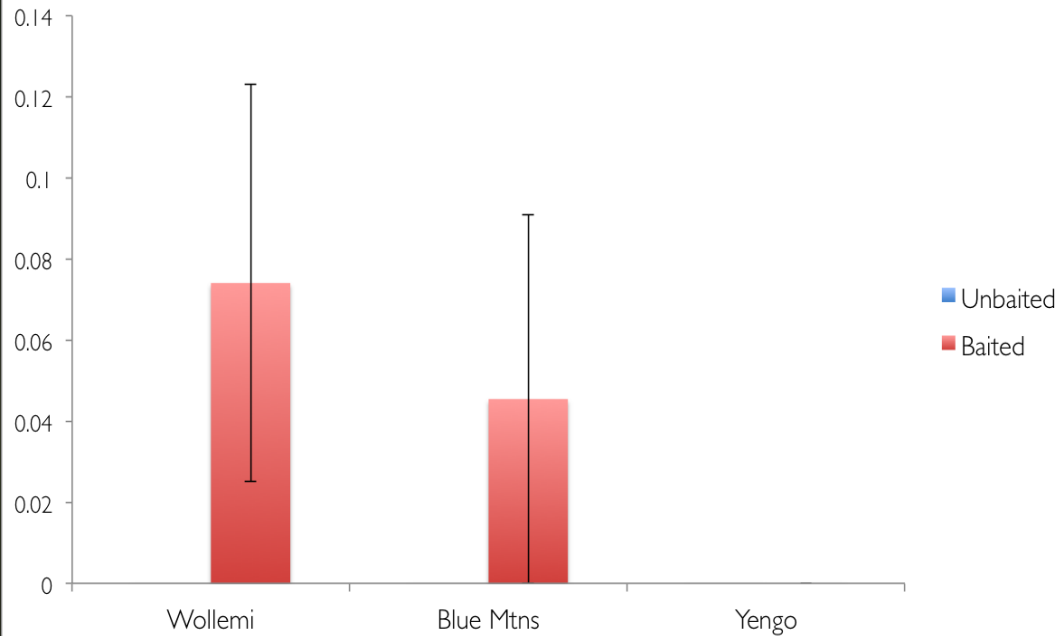




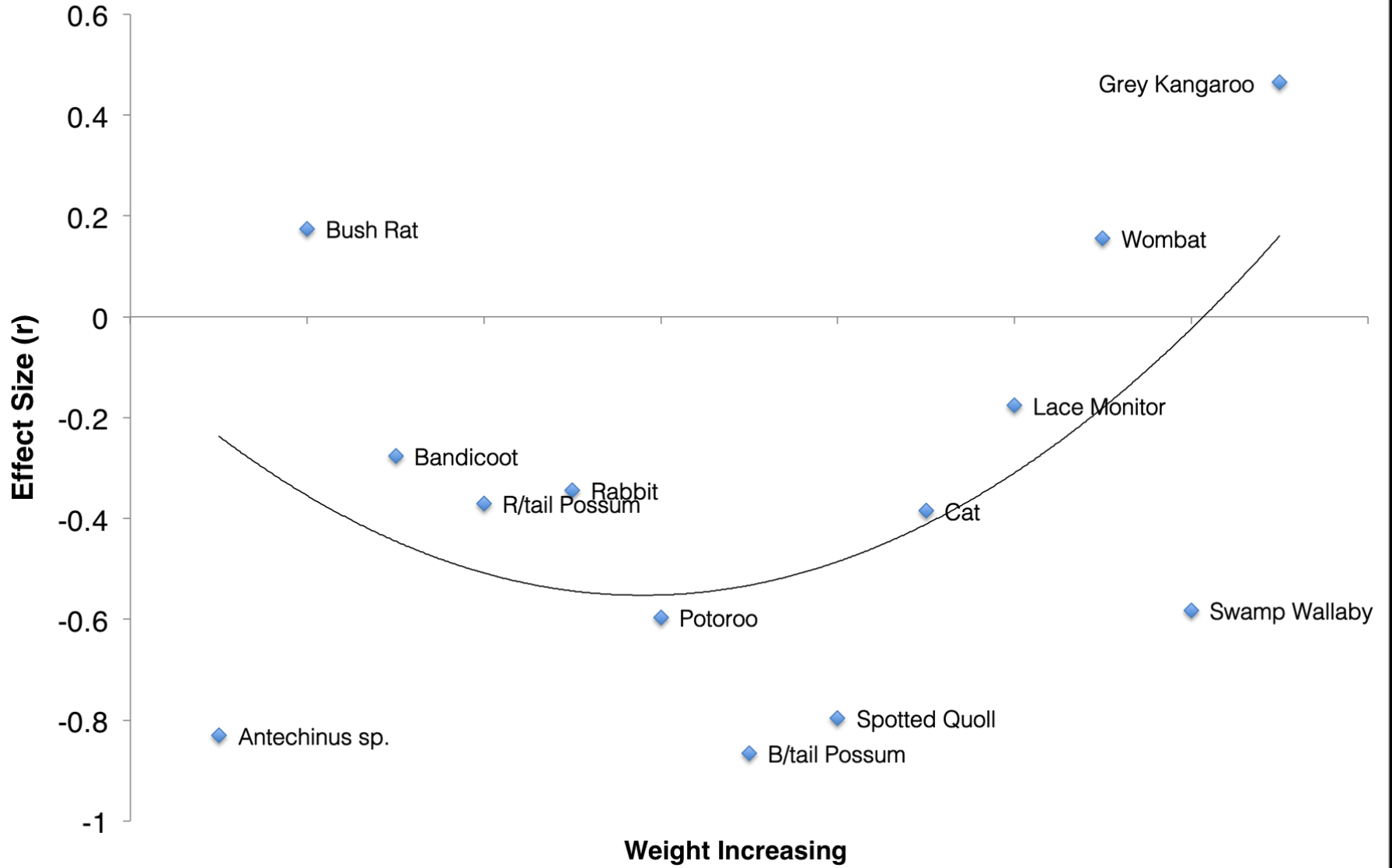
## Dingo Activity Index



## Fox Activity Index

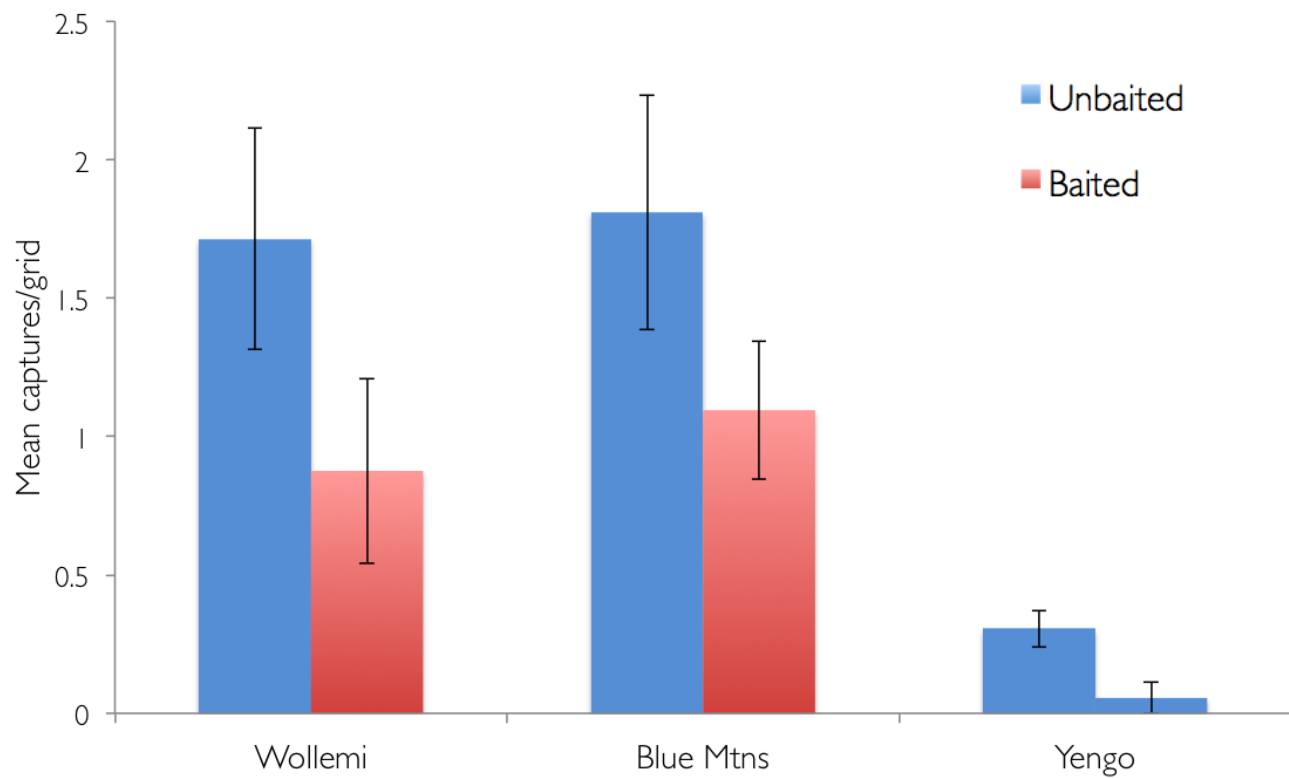


### Fox Effect Size vs. Weight



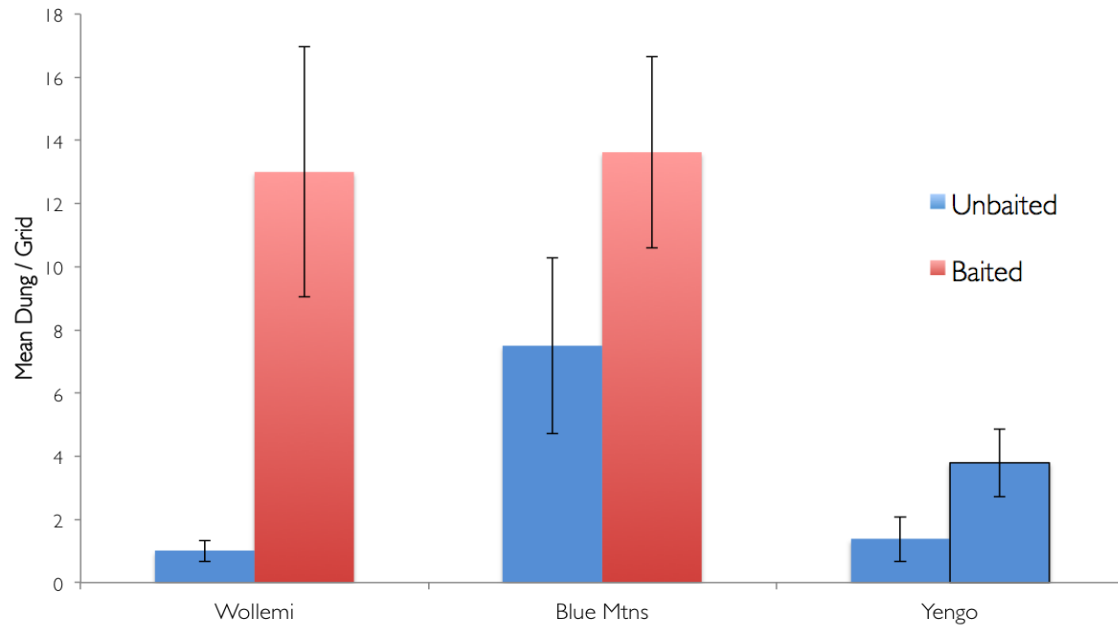


## Small Mammal Abundance

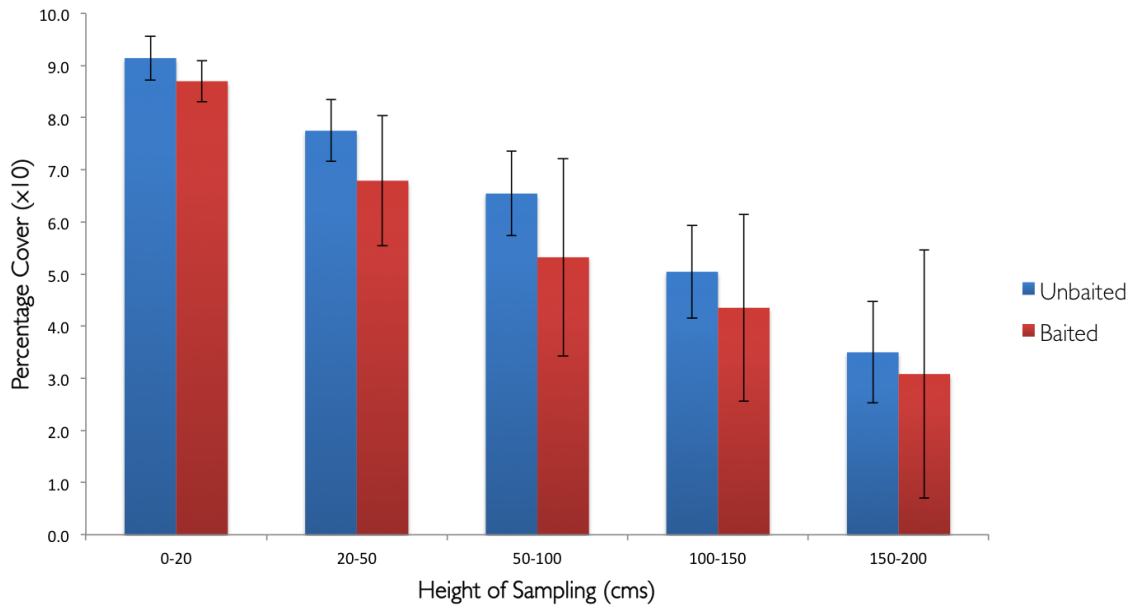




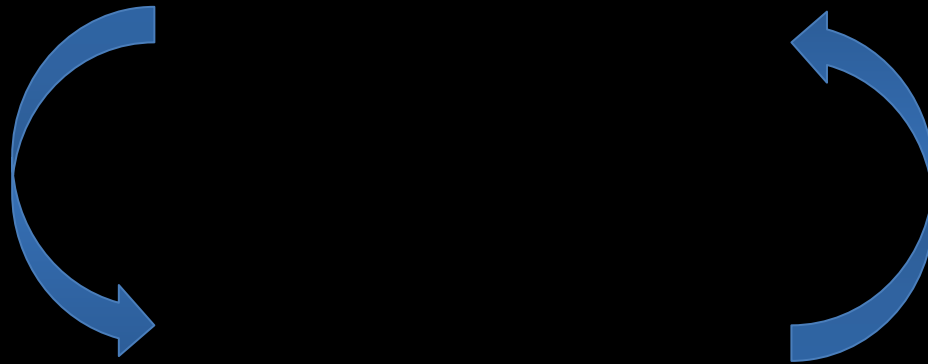
## Macropod Abundance



## % Cover of Vegetation



Science



Management





# What now?

- Inform better management with science and successful case studies
- Interviews to understand the problem in greater depth
- Directly link my results to GBMWHA specific management solutions

# Acknowledgements

- Dr. Rosalie Chapple & Dr. Mike Letnic
- Centre for Ecosystem Science
- Blue Mountains World Heritage Institute
- NSW National Parks and Wildlife Service



UNSW  
AUSTRALIA

