

# Indirect impacts of fox control on feral cat behaviour in semi-arid NSW

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# *Acknowledgement of Country*

We acknowledge the Aboriginal  
People as the Traditional Owners  
of this land and we pay our  
respects to Elders past  
and present.



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18°C



RHC006A



## Every Year Cats in Australia Kill ...



1,067,000,000  
mammals



399,000,000  
birds



609,000,000  
reptiles



93,000,000  
frogs

By the end of this talk  
~~Every Year~~ Cats in Australia Kill ...



30,450  
mammals



11,387  
birds



17,380  
reptiles



2,654  
frogs

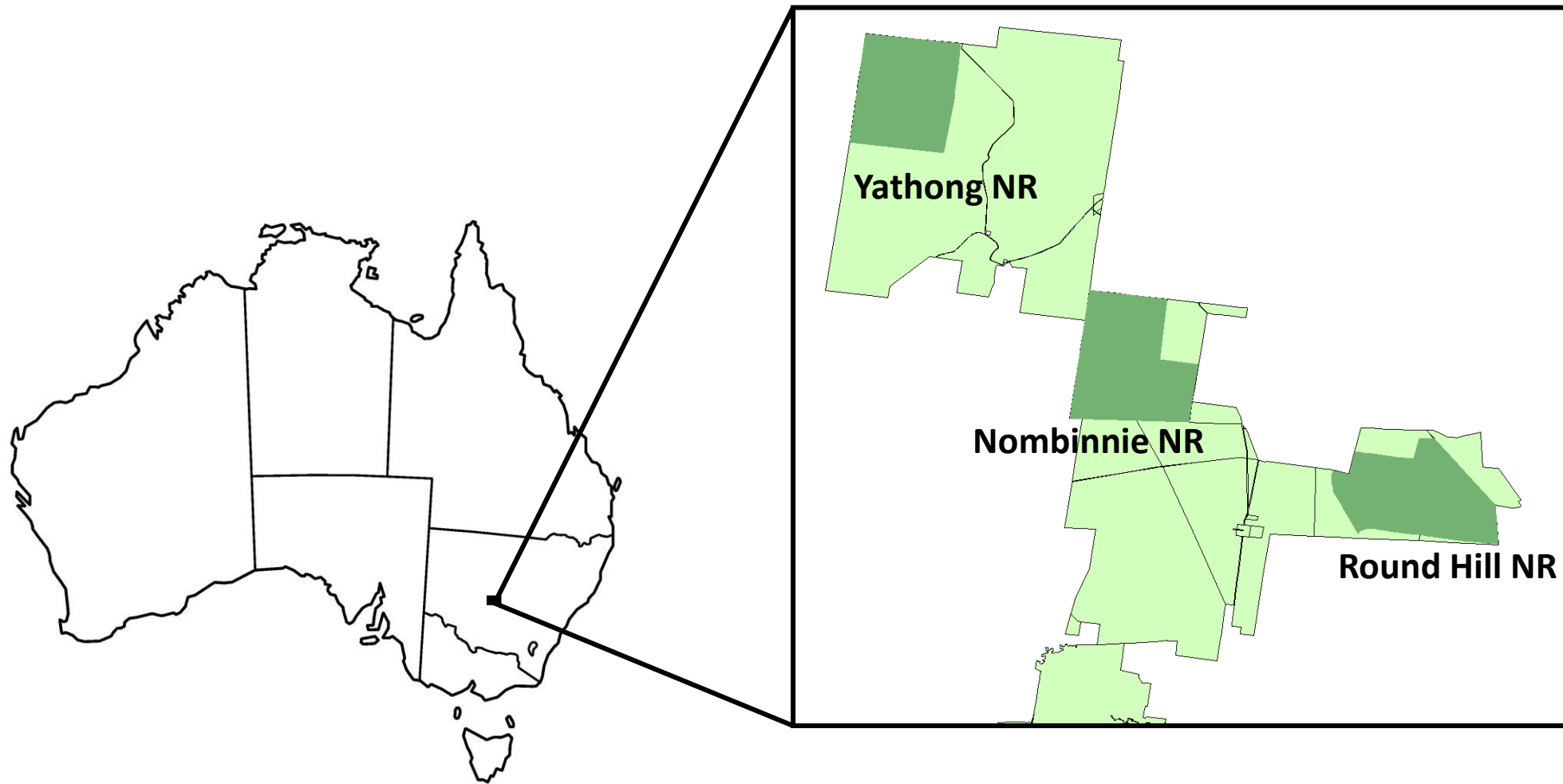
# Fox & Dog Control



# Potential for impacts



# Study Sites





Votk





Ro





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YGMF 1275

RECONYX

**2020**  
**Baseline**

+ No winter bait

**2021**  
**Local baits**

+ Winter bait – fox red meat 10 baits/km

**2022**  
**Wild dog baits**

+ Winter bait – dog red meat 40 baits/km

**2023**  
**Fox Baits**

+ Winter bait – fox red meat 50 baits/km

**2024**  
**Eradicat**

+ Winter bait – Eradocat cat baits 50 baits/km

# Baiting Regime

Yathong - Treatment Site

~ 5000 dog baits delivered aerially

40 baits/km of transect



# Cameras

30 cameras per site  
On-trail cameras

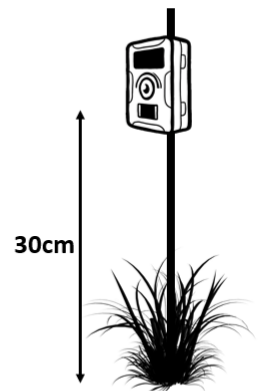
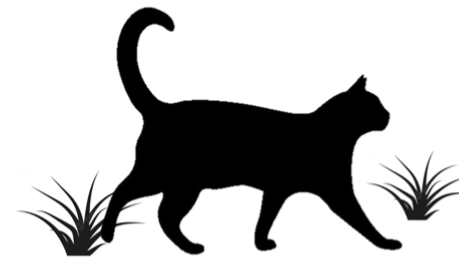
Optimised for predator detections

Reconyx hyperfire 2X Pro



## Design

29 Trap nights before baiting  
Baiting period (2 weeks excluded)  
29 Trap nights after baiting

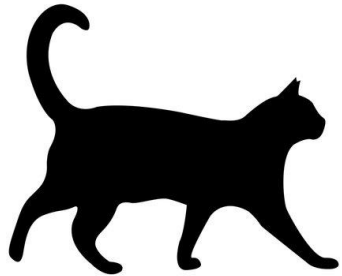




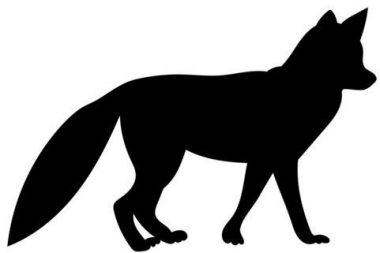
# Side Note:



# Results

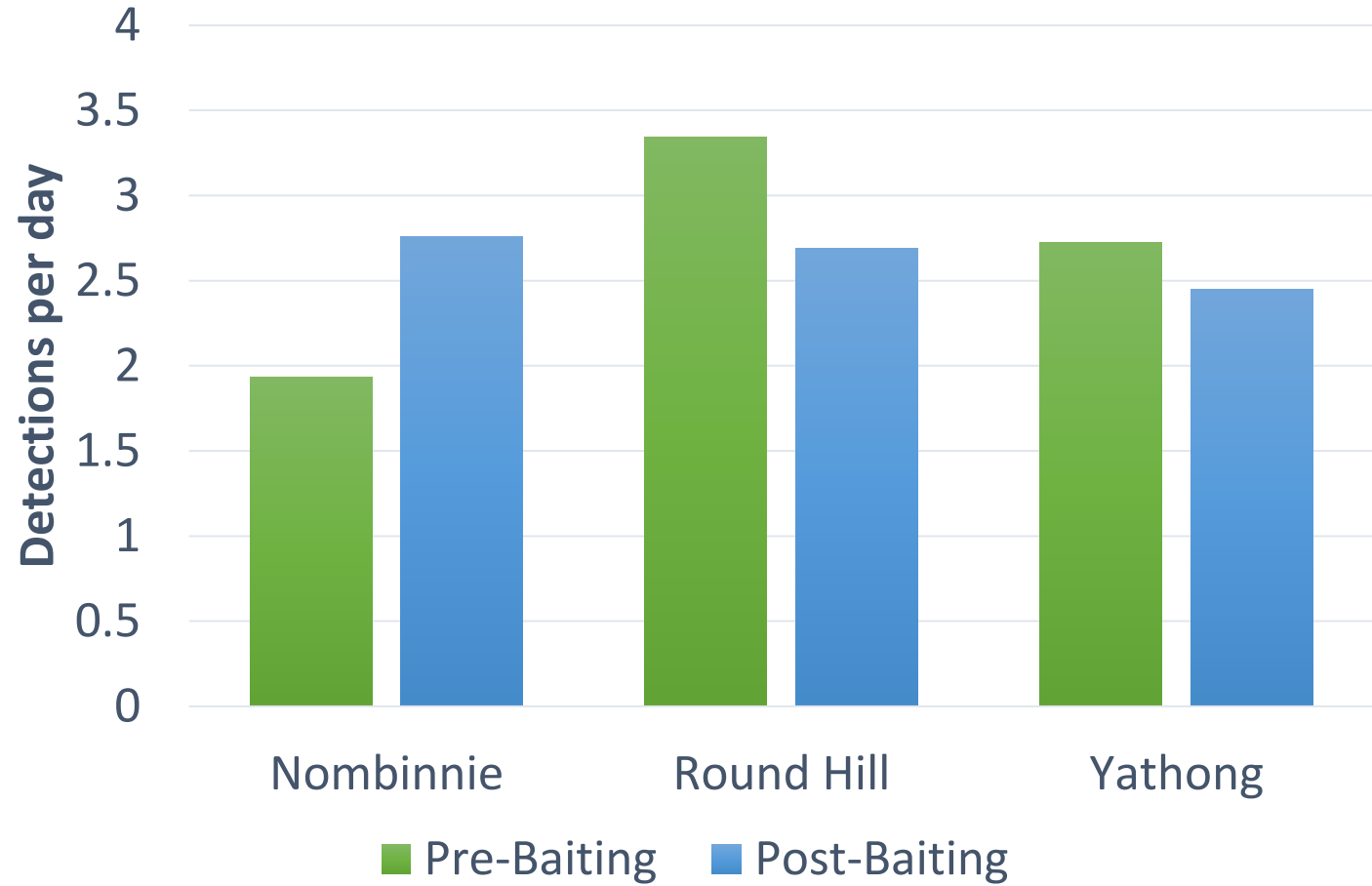
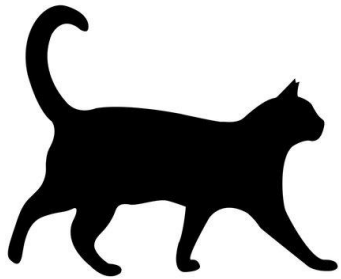


	Before	After	Change
Nombinnie	1.93	2.76	42.9%
Round Hill	3.34	2.69	-19.6%
Yathong	2.72	2.45	-10.2%

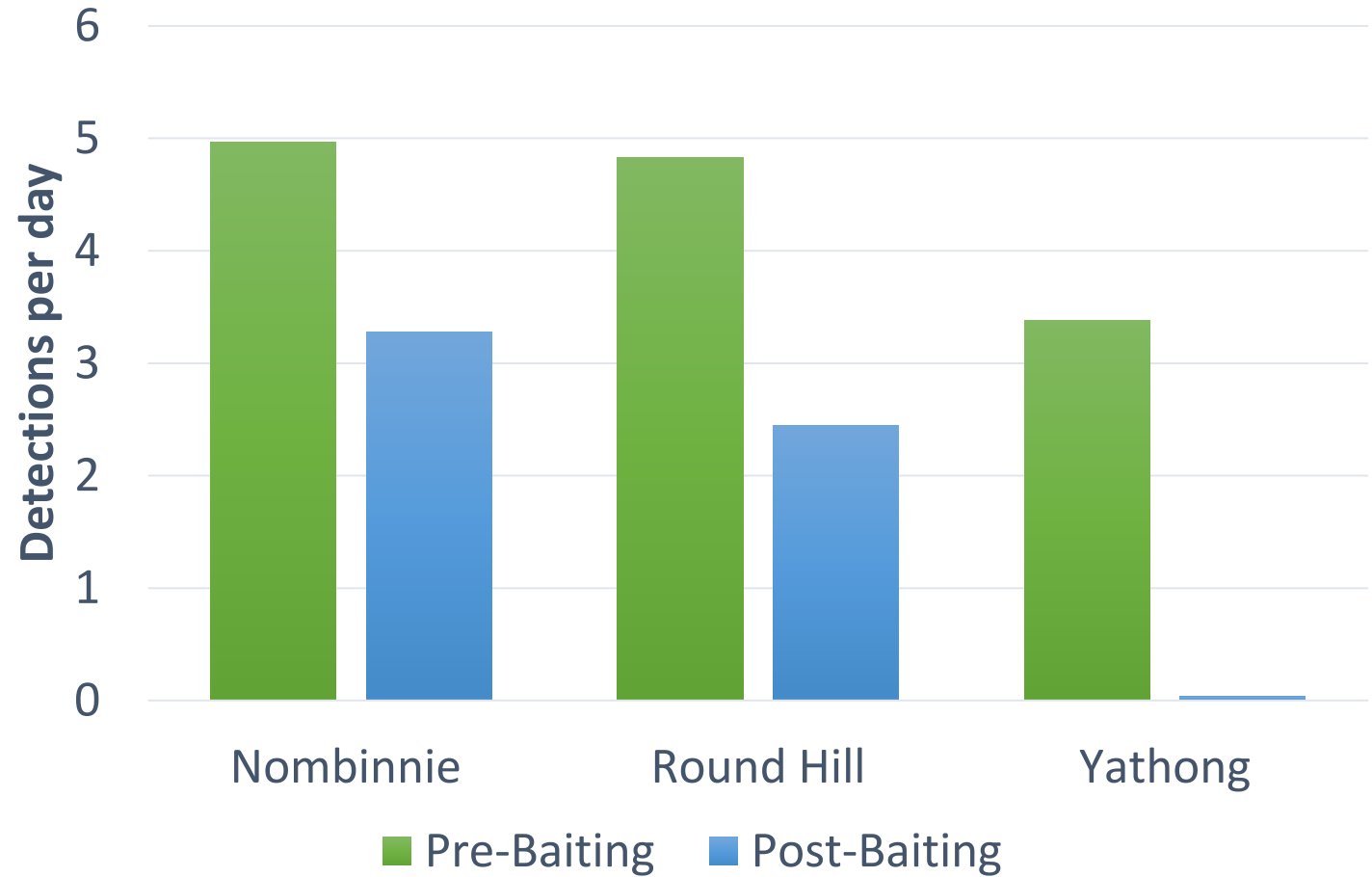
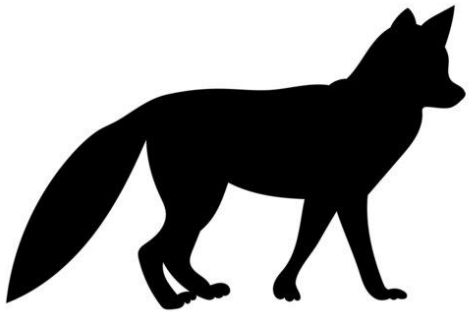


	Before	After	Change
Nombinnie	4.97	3.28	-20.6%
Round Hill	4.83	2.45	-49.3%
Yathong	3.38	0.03	-98.99%

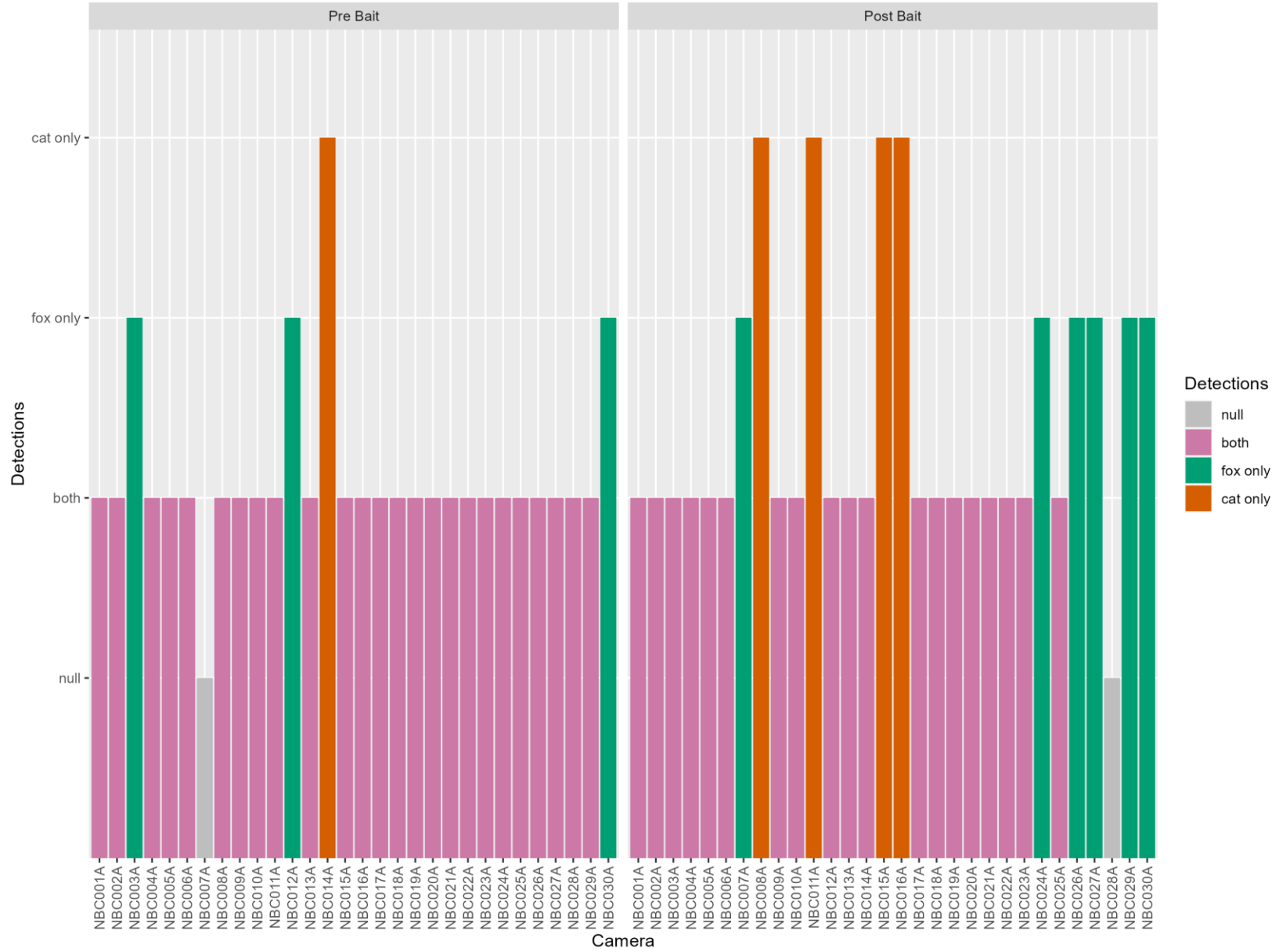
# Results



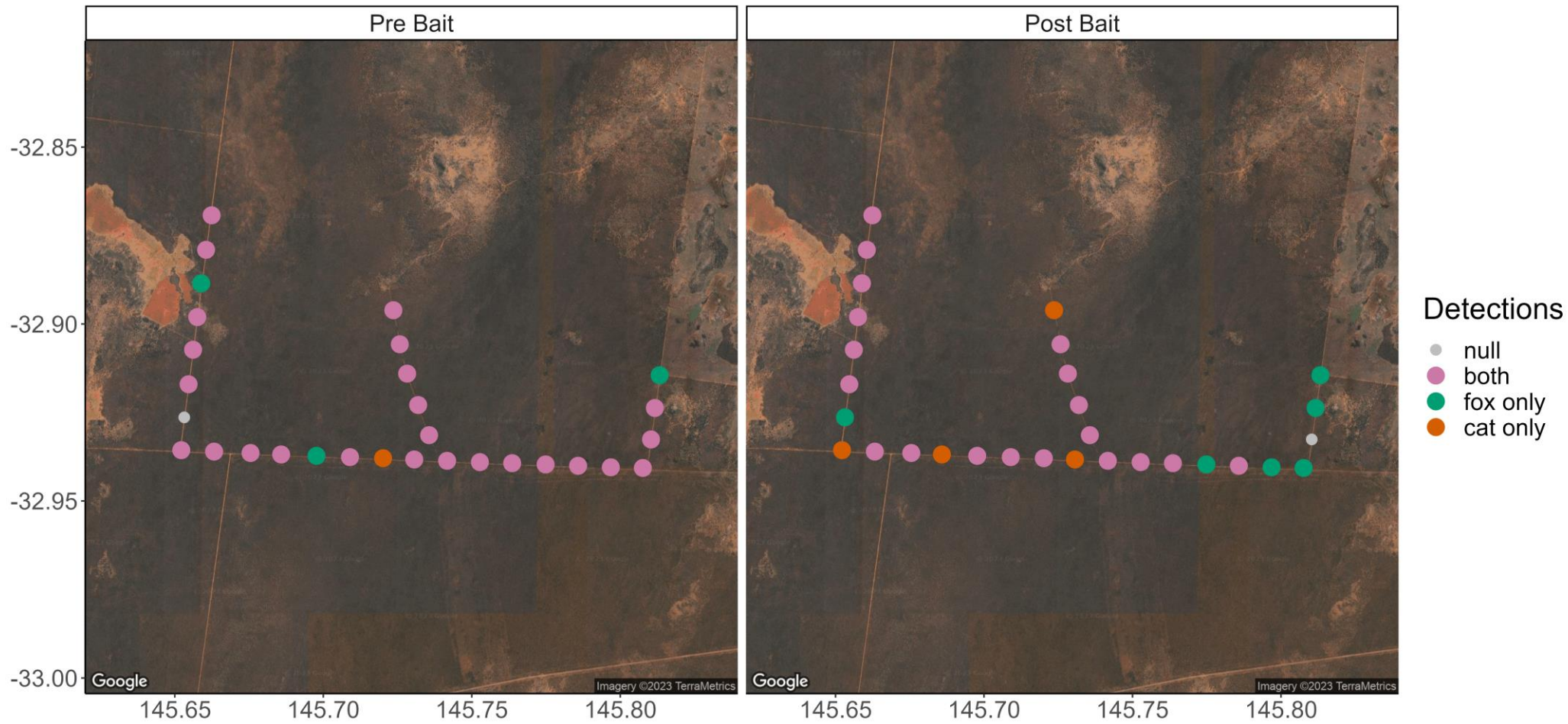
# Results



# Nombinnie

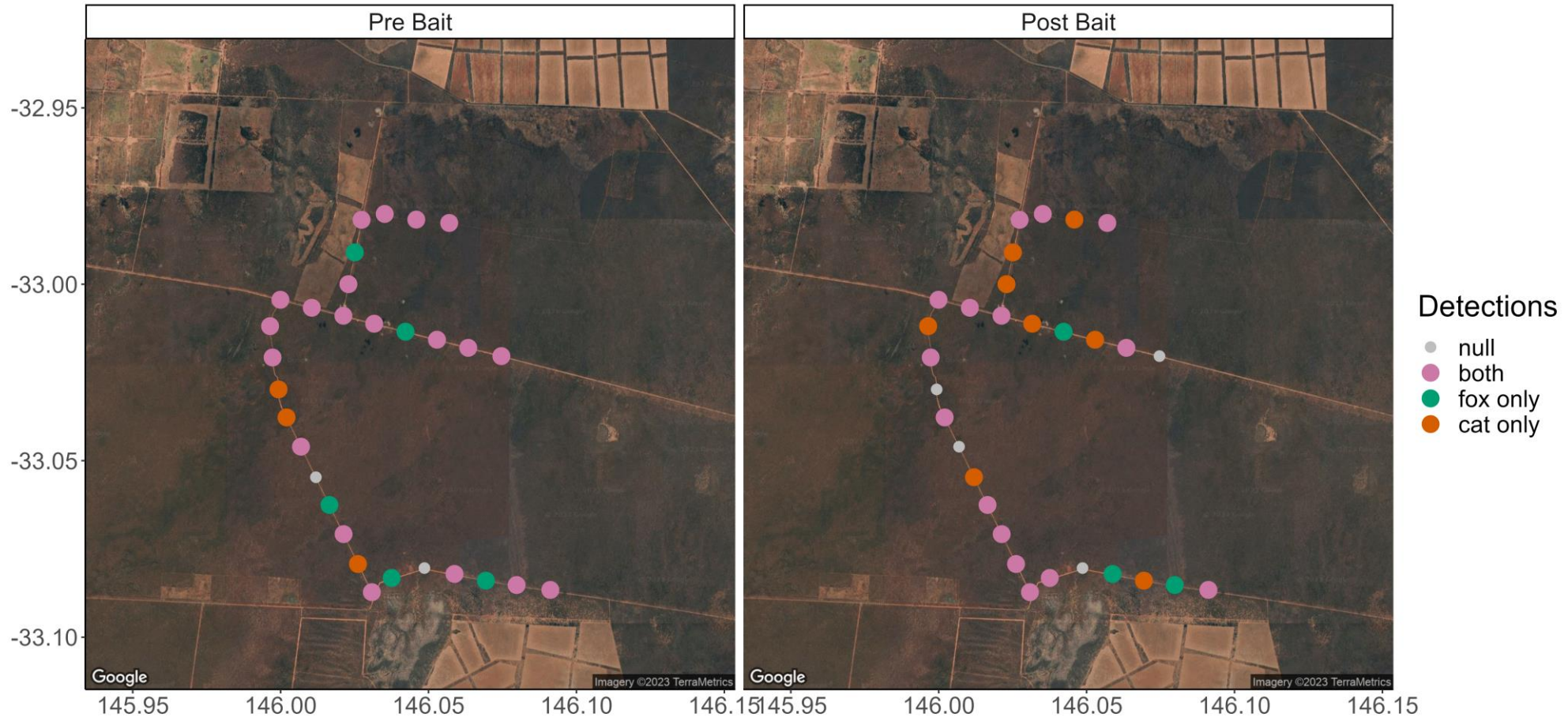


# Nombinnie



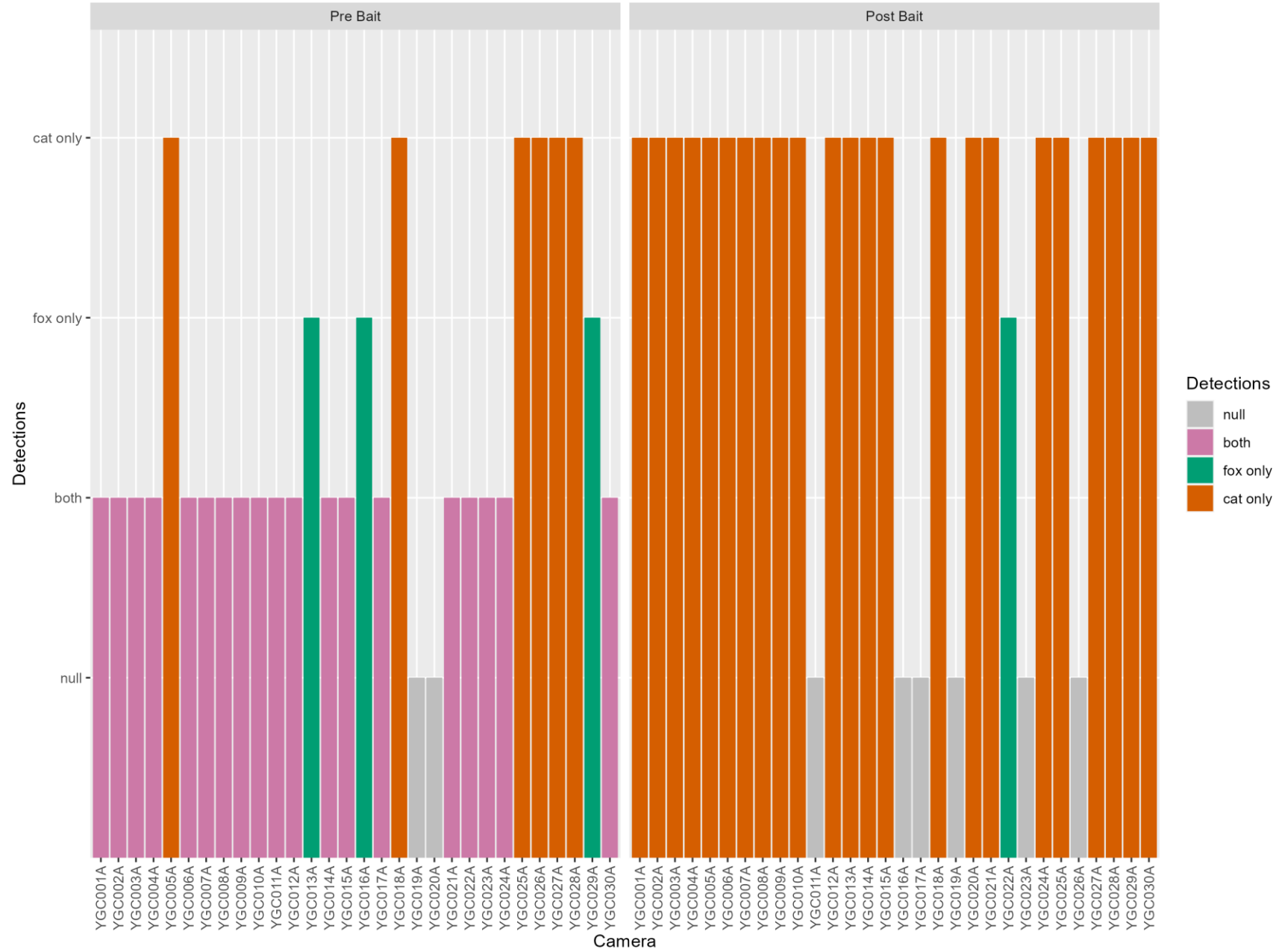


# Round Hill

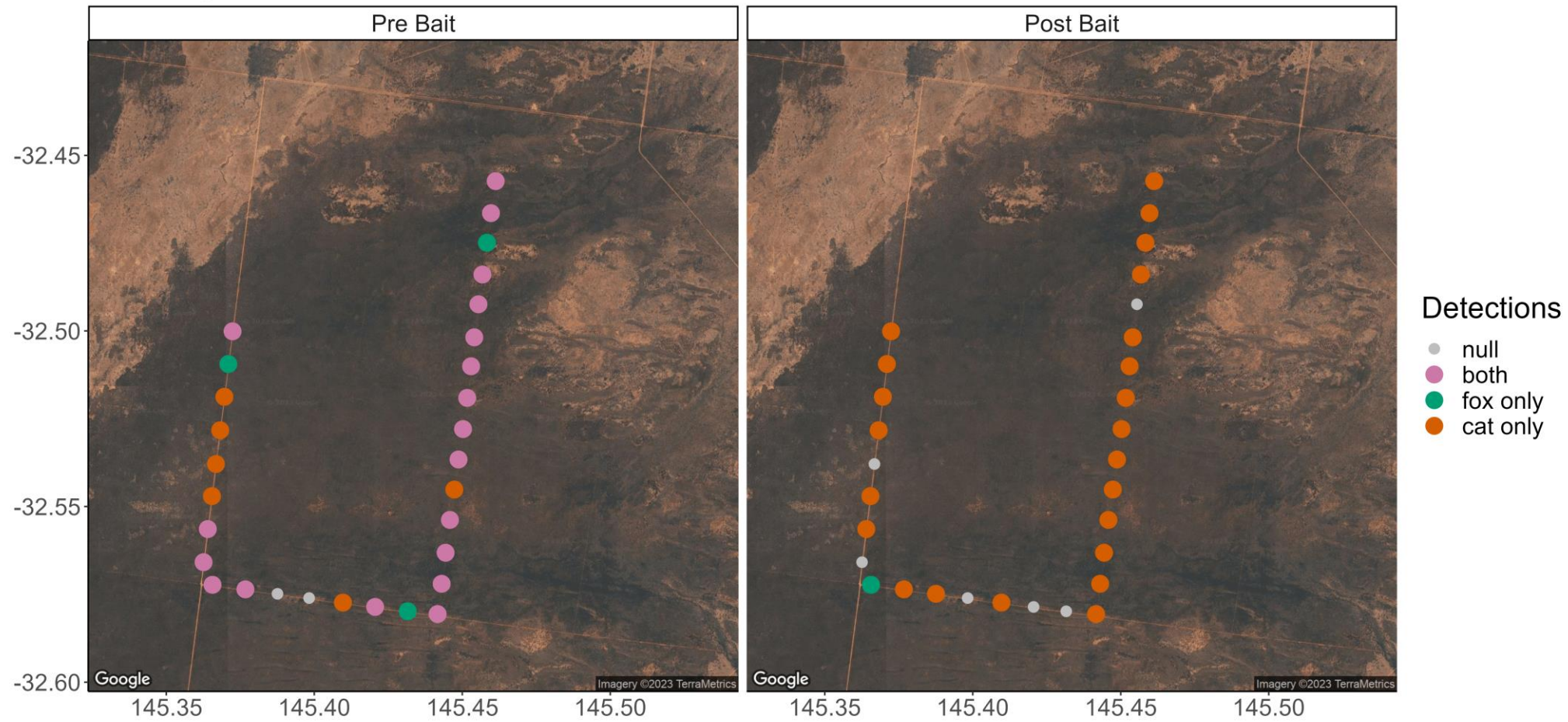




# Yathong



# Yathong



# More to come

- Cat collars
- Bait interaction videos
- Off-trail and prey cameras
- Trapping and prey pitfalling

Check out Grace Proudfoot's poster!!

“What’s for dinner?”



# Acknowledgements

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