

# Pilbara trials of Felixer grooming 'traps': Felid lickin' good



@DrJudyDunlop

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John Read (Thylation)

This project is a collaborative effort between  
DBCA, Thylation, Fortescue Metals Group and Roy Hill



Biodiversity and  
Conservation  
Science

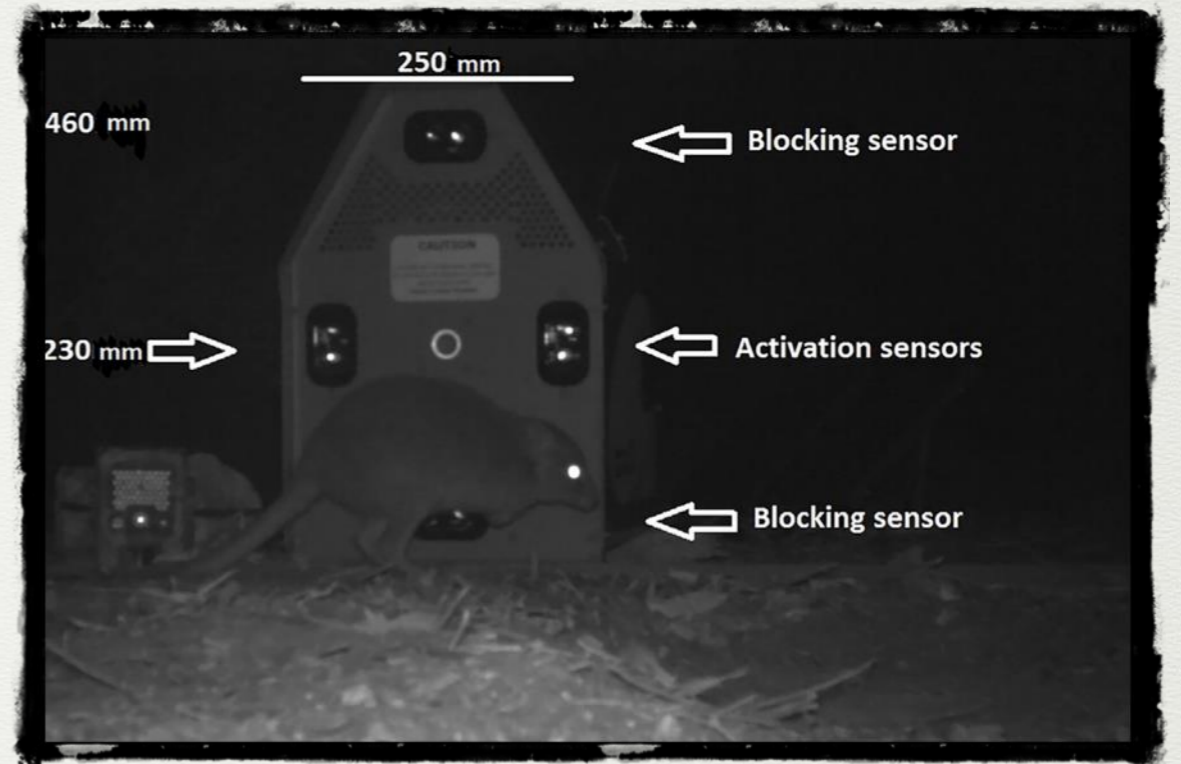


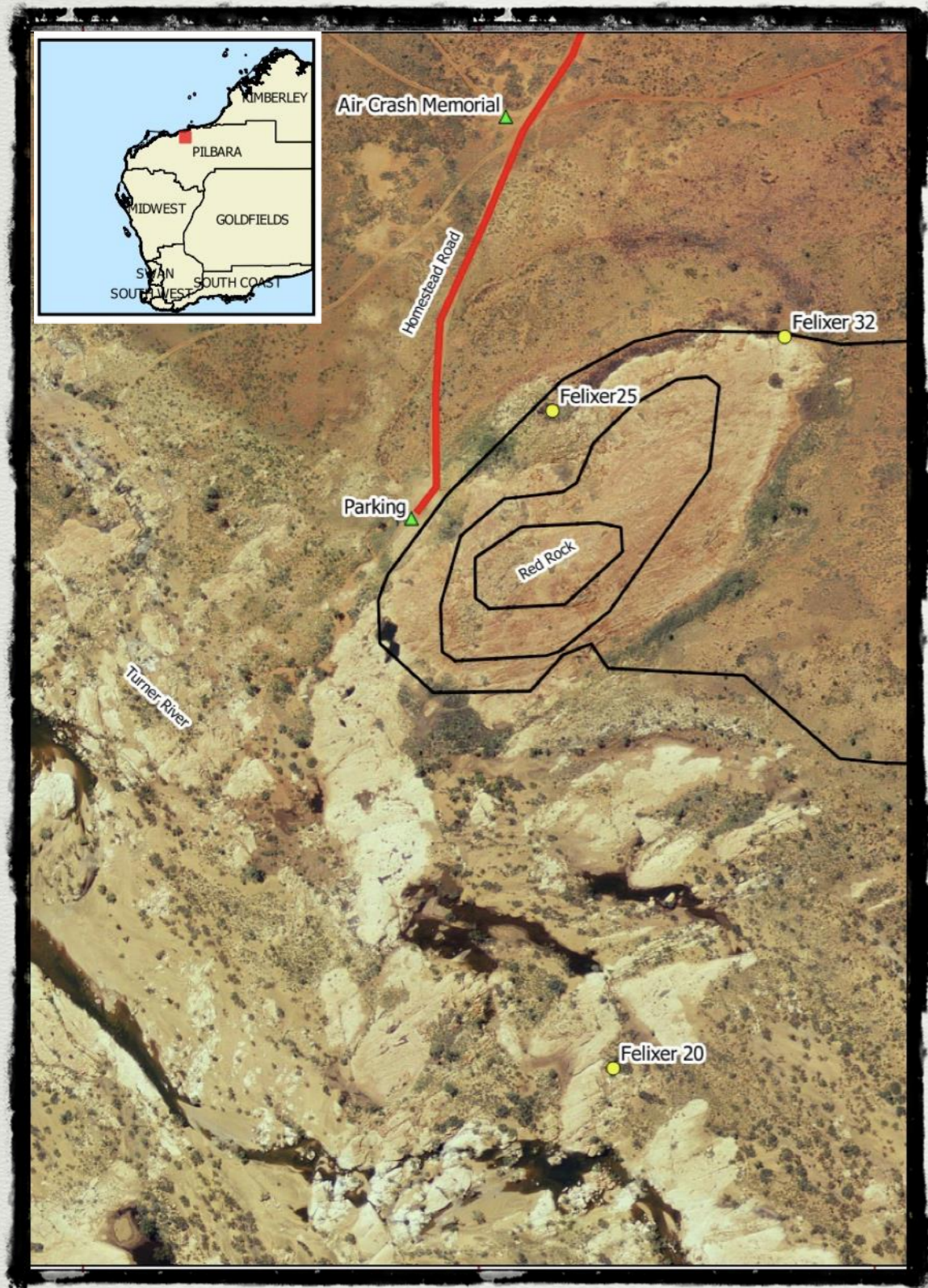


This project took place on Kariara Country



Images: Cat-Free French Island, and Marika Maxwell



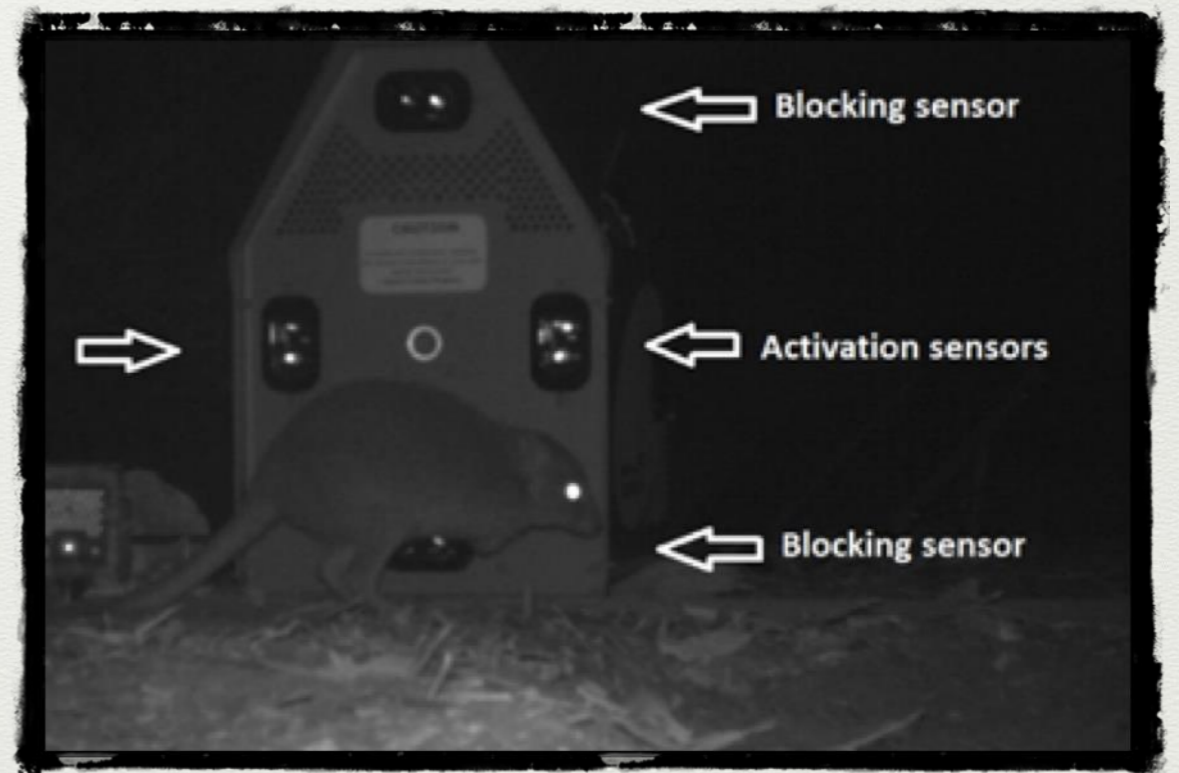














TARGET



# NON-TARGET: TOP SENSOR BLOCKER



# NON-TARGET BOTTOM SENSOR BLOCKER



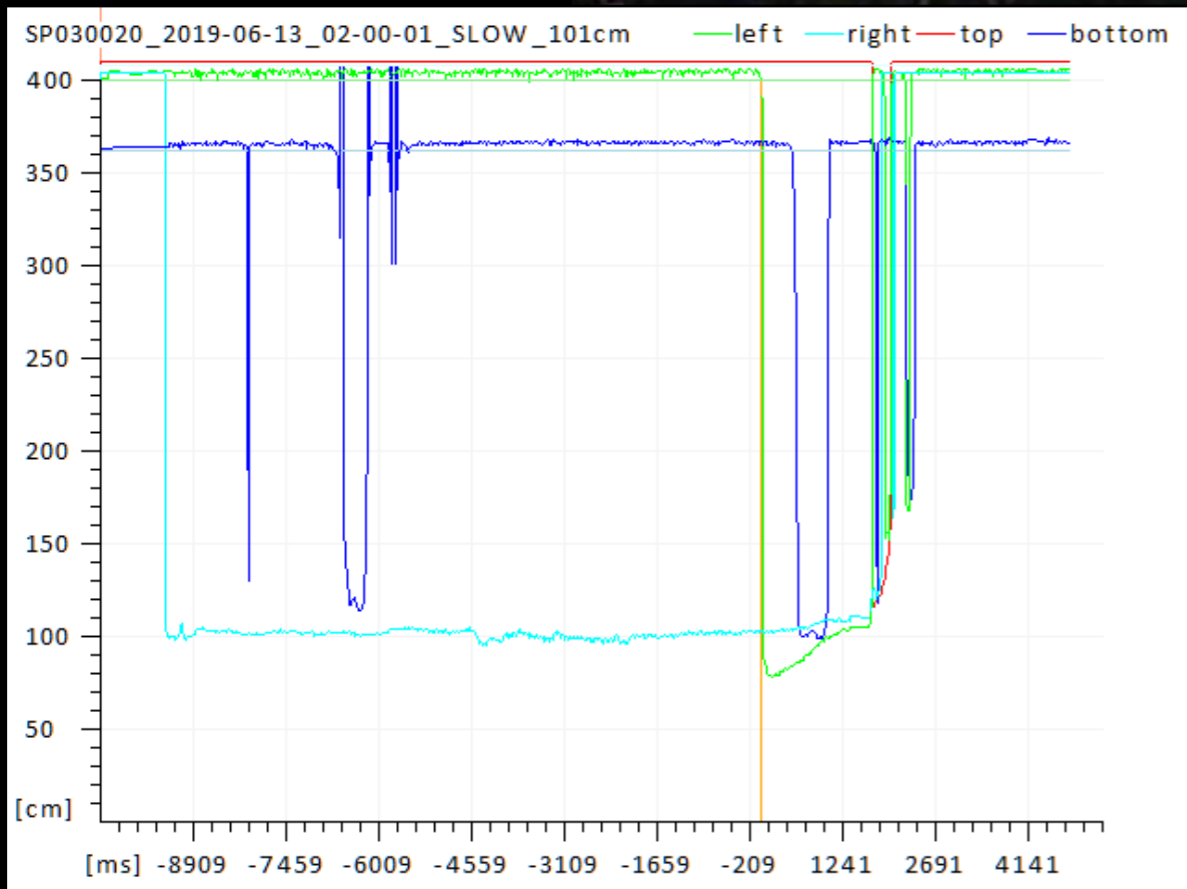
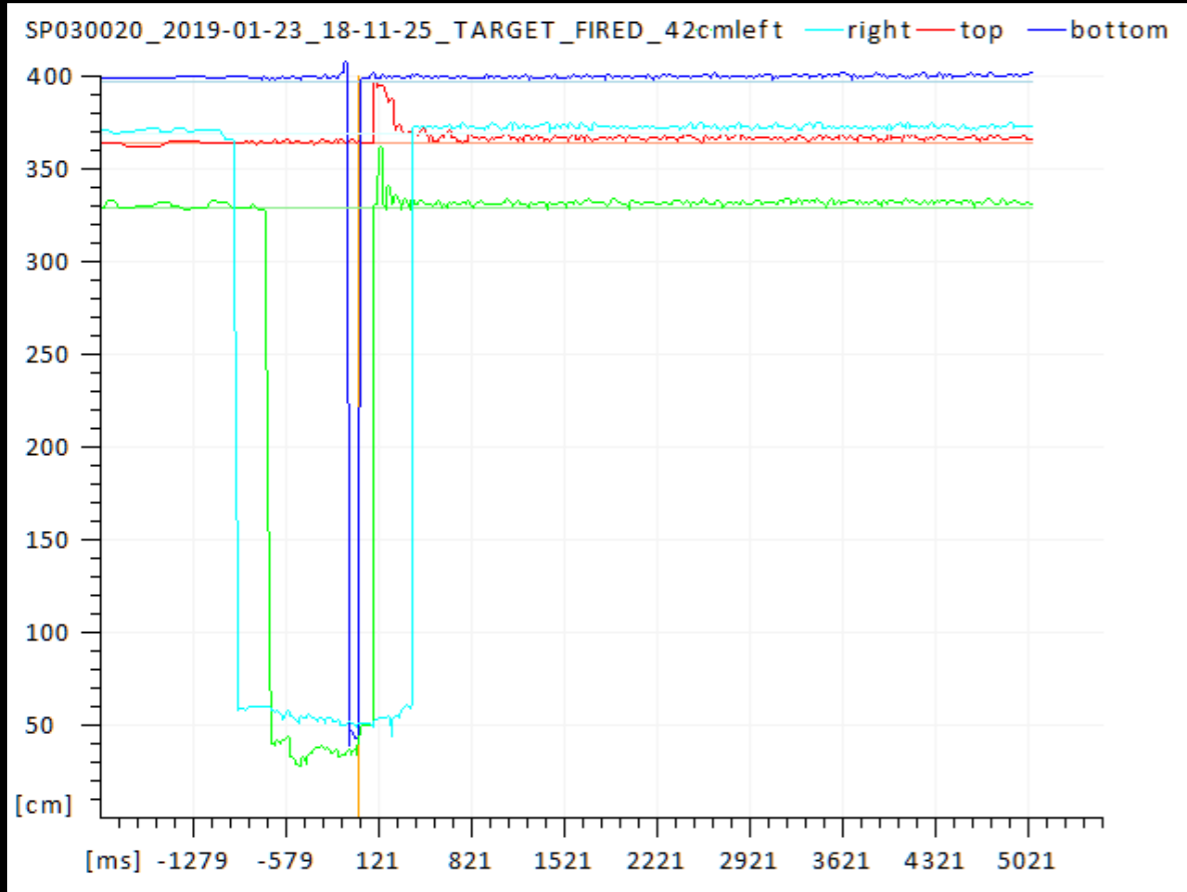
# NON-TARGET BOTTOM SENSOR BLOCKER

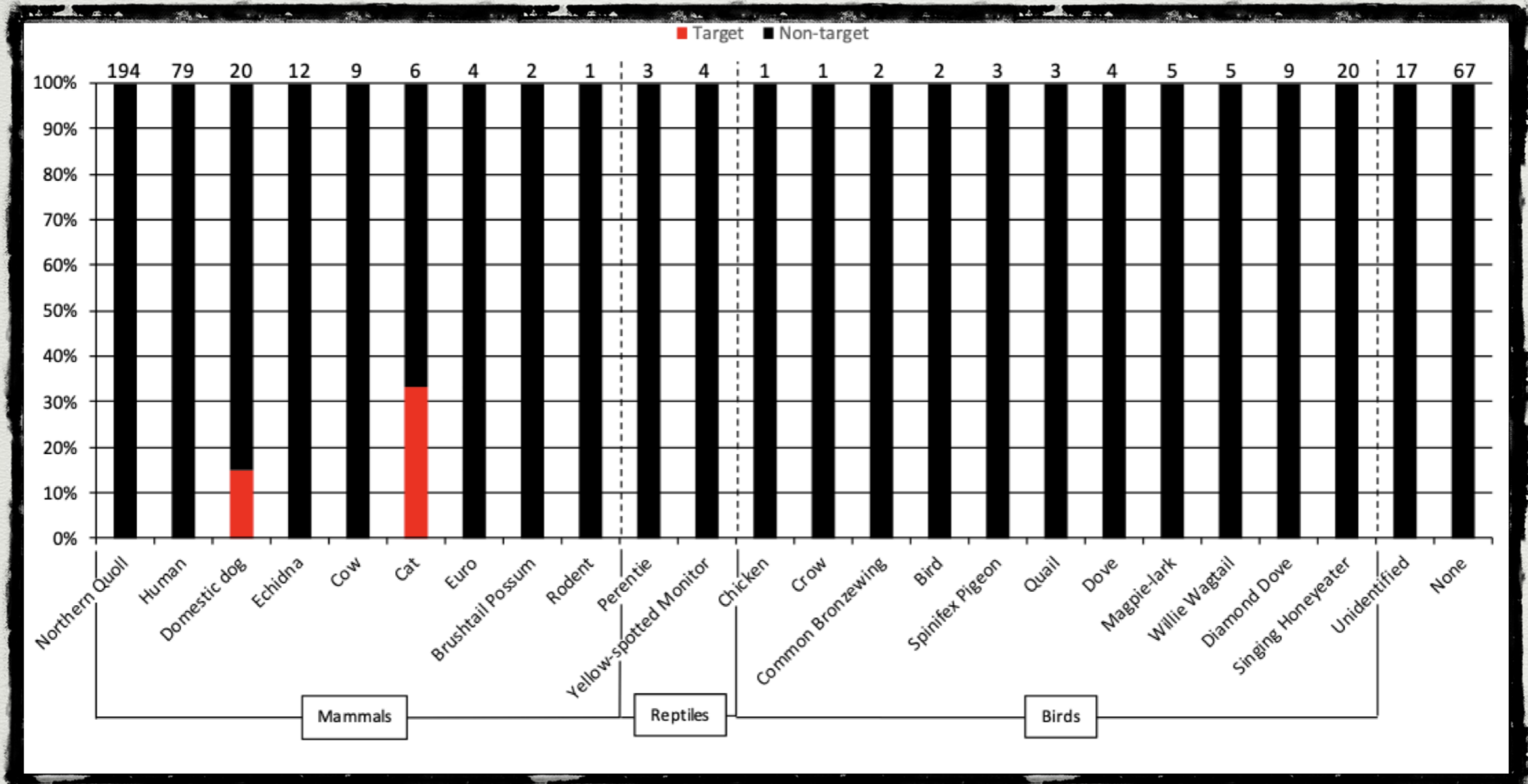






# NON-TARGET: TOO SLOW







2019-04-30 08:58:17 AM

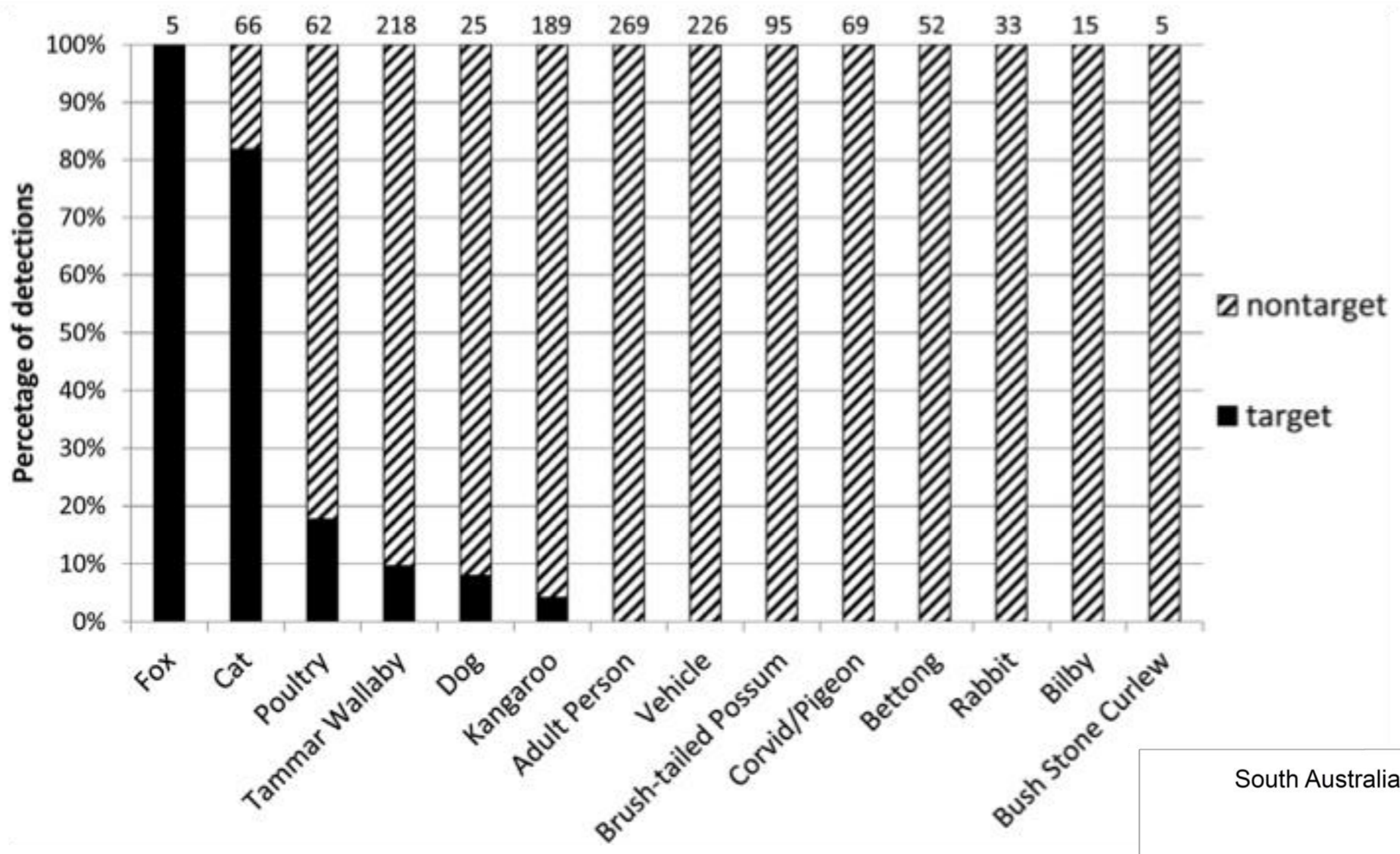
59°F ☉ M



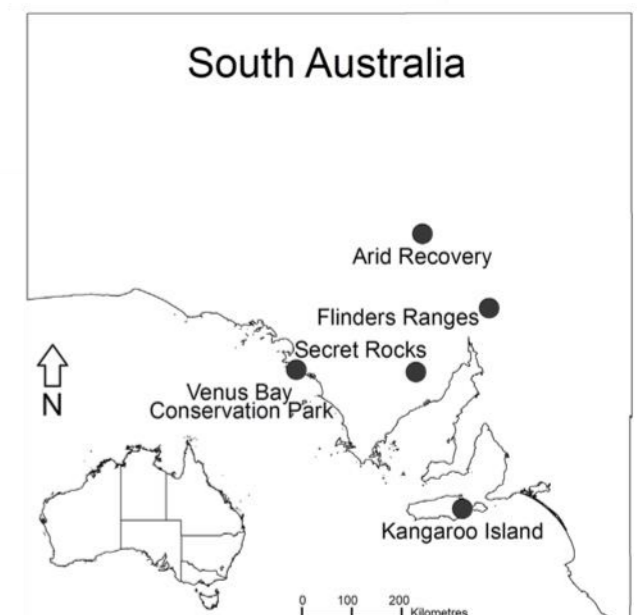
ULTRAFIRE XR6



Video: Thylation Inc



7/7 Kangaroo Is. radiocollared cats found dead within 24h of being squirted



## Fate of dried meat baits aimed at wild dog (*Canis familiaris*) control

T. L. Kreplins<sup>A</sup>, M. S. Kennedy<sup>B</sup>, P. J. Adams<sup>B</sup>, P. W. Bateman<sup>C</sup>,  
S. D. Dundas<sup>D</sup> and P. A. Fleming<sup>A,E</sup>

CSIRO PUBLISHING

*Wildlife Research*, 2018, 45, 518–527  
<https://doi.org/10.1071/WR17171>

## Evaluation of risks for two native mammal species from feral cat baiting in monsoonal tropical northern Australia

Jaime Heiniger<sup>A,B,D</sup>, Skye F. Cameron<sup>B</sup> and Graeme Gillespie<sup>A,C</sup>

CSIRO PUBLISHING

*Pacific Conservation Biology*, 2017, 23, 240–257  
<https://doi.org/10.1071/PC17006>

**Review**

## Reduced efficacy of baiting programs for invasive species: some mechanisms and management implications

Sinéad E. Allsop<sup>A</sup>, Shannon J. Dundas<sup>A</sup>, Peter J. Adams<sup>A</sup>, Tracey L. Kreplins<sup>A</sup>,  
Philip W. Bateman<sup>B</sup> and Patricia A. Fleming<sup>A,C</sup>

CSIRO PUBLISHING

*Wildlife Research*, 2014, 41, 117–126  
<http://dx.doi.org/10.1071/WR13136>

## First in, first served: uptake of 1080 poison fox baits in south-west Western Australia

Shannon J. Dundas<sup>A,B</sup>, Peter J. Adams<sup>A</sup> and Patricia A. Fleming<sup>A</sup>

## Just Accepted

Uptake of “Eradicat” feral cat baits by non-target species on Kangaroo Island

[Rosemary Hohnen](#), Brett Murphy, Sarah Legge, Christopher Dickman, John Woinarski

Key results: Cats encountered baits on very few occasions and took a bait on only one occasion in August (<1% of 576 baits deployed).

Non-target species accounted for over 99% of identifiable bait takes. In both seasons >60% of all baits laid, were taken by either the common brushtail possum (*Trichosurus vulpecula*), bush rat (*Rattus fuscipes*) or Australian raven (*Corvus coronoides*).

WR19056 Accepted 19 August 2019

# A new tool in the toolbox

## PROS:

- target specific
- sentinel
- low maintenance
- low ongoing cost
- doesn't require specialised personnel
- No contact with toxin or firearms

## CONS:

- small area of effectiveness per unit
- high startup cost
- currently requires significant approvals:  
1080 application,  
WA Health or Ag Dept,  
Animal ethics  
APVMA permit

# Summary

Felixer feral cat grooming traps were found to be very target specific

- All 200 northern quoll visits identified as non-targets
- Identified targets in the Pilbara were only feral cats
- 20+ other species in 9 months (mammals, birds, reptiles) were identified as non-targets

Felixers will be suited to particular situations:

- high-value populations in small areas
- Sinks and sources of cats
- Bottlenecked areas and islands



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