

Foot-and-mouth and ferals

What are we capable of?

Cloven Hoofed Pest Animal Intensive Pest
Control Zone - Proof of Concept Project

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October 2023



Foot-and-mouth disease – Preparedness and prevention

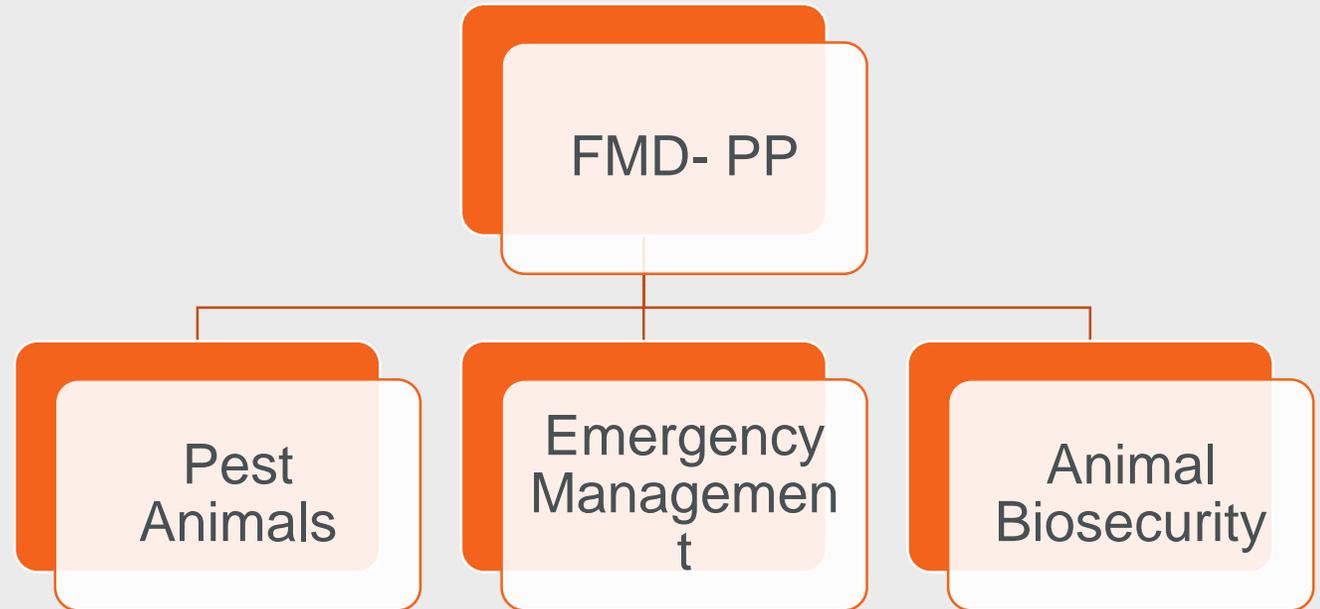
2022
NSW Govt
announced \$65M
package for FMD



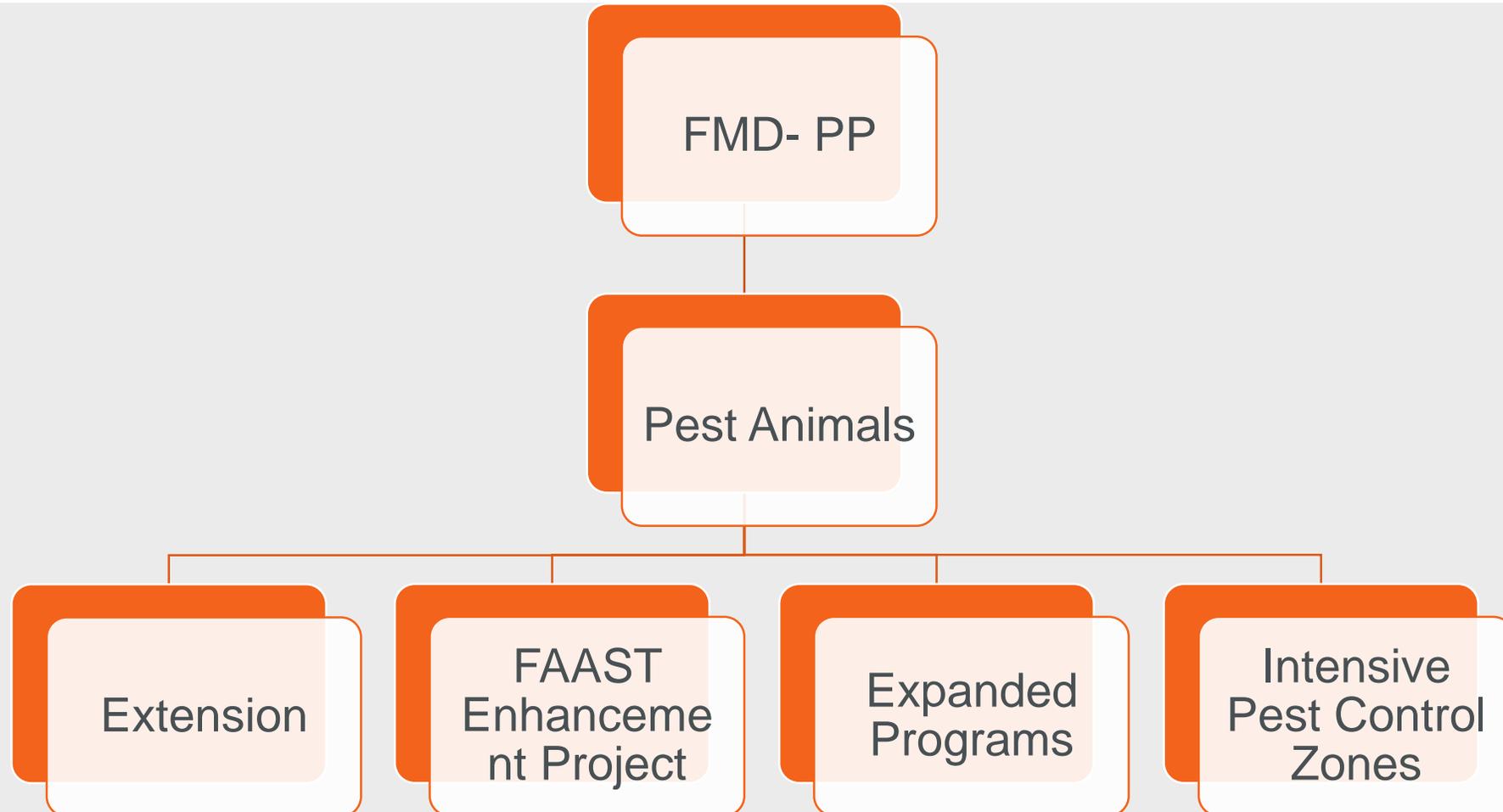
\$22.8M
LLS



August 2022 –
30th June 2023



FMD-PP Pest Animal Project



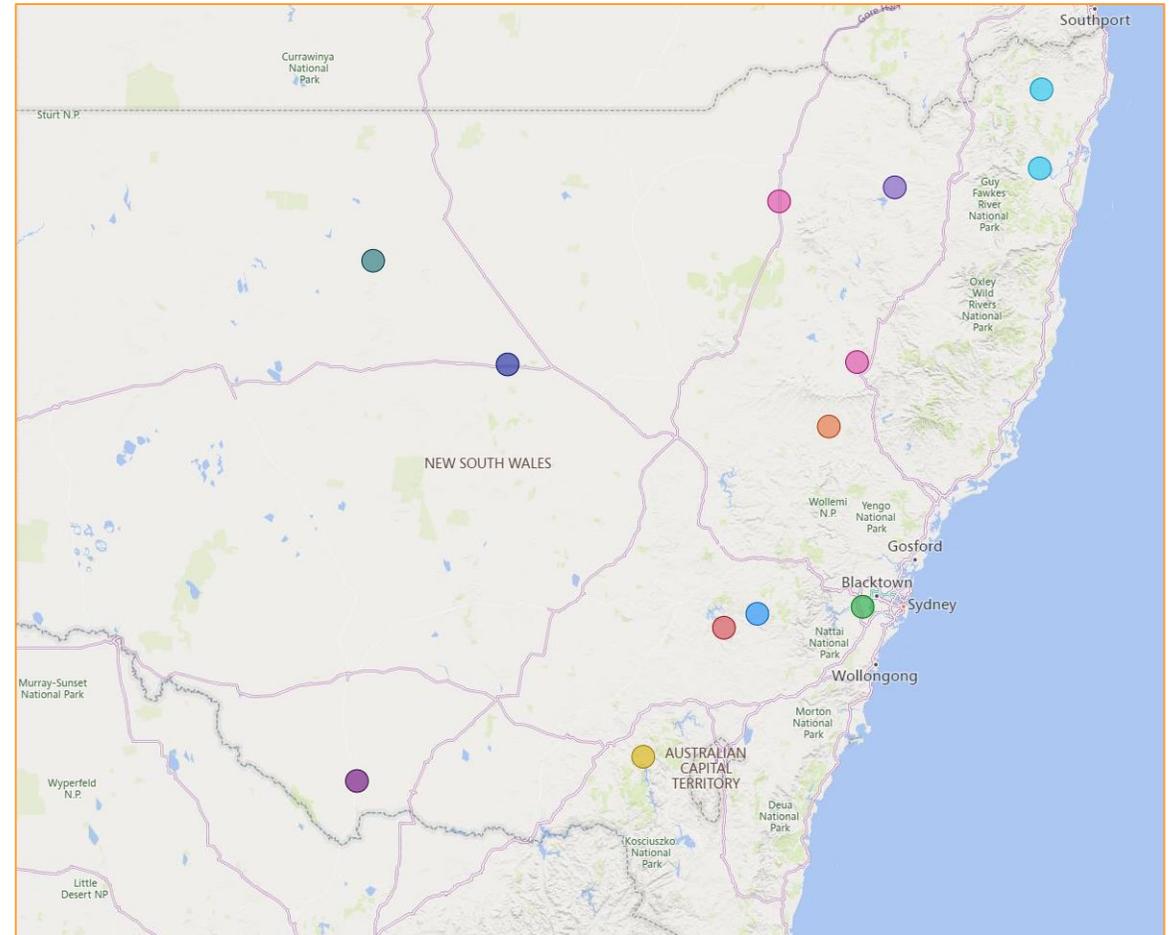
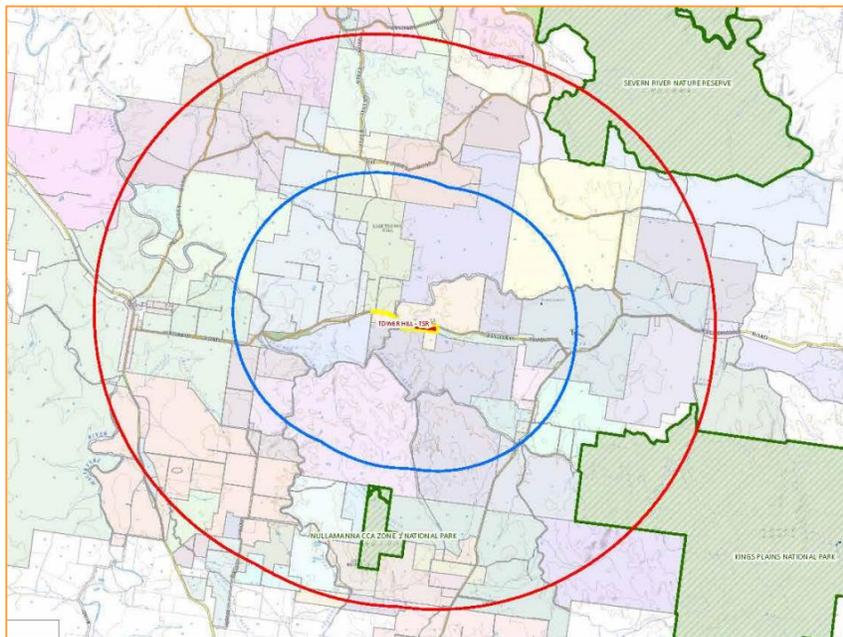


Can we achieve
‘local eradication’
of cloven hoofed pest
animals to reduce or
prevent the
transmission of an EAD,
such as FMD?

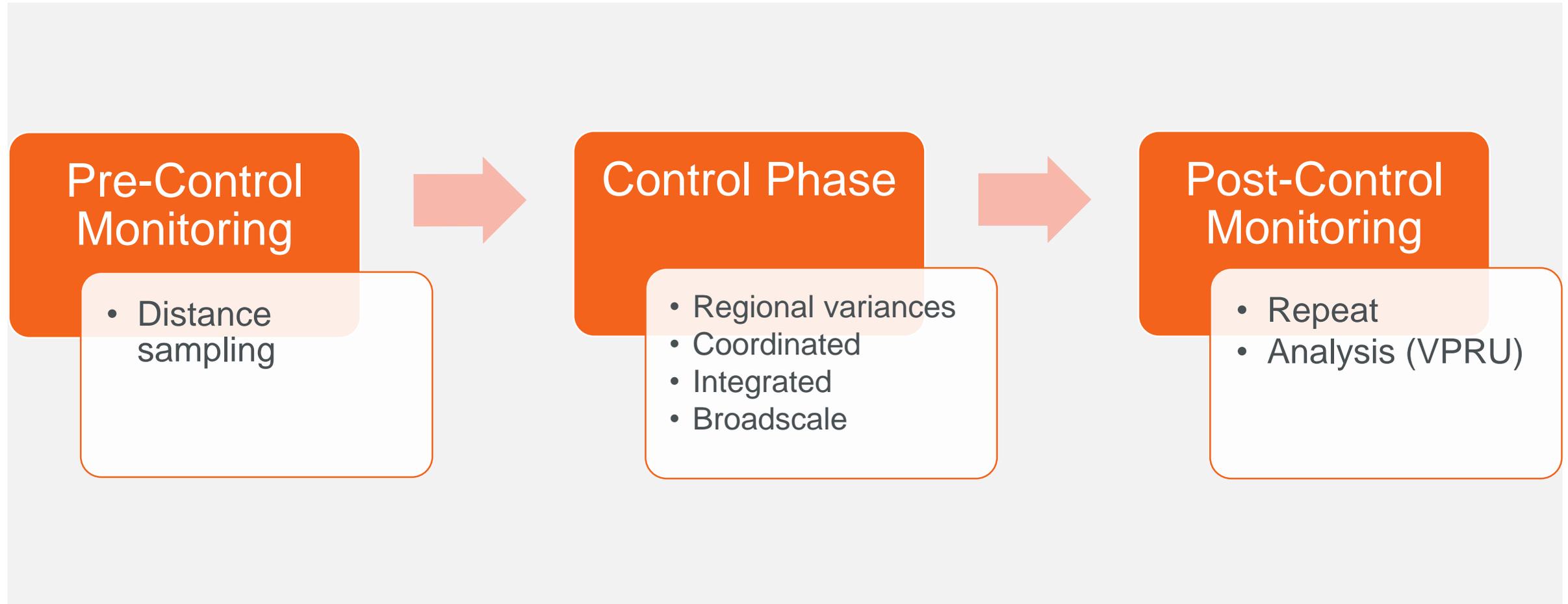
Intensive Pest Control Zones

13 Intensive Pest Control Zones

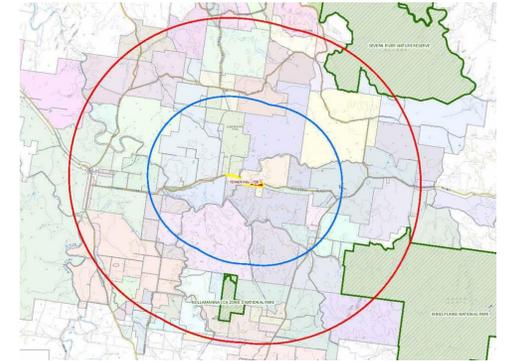
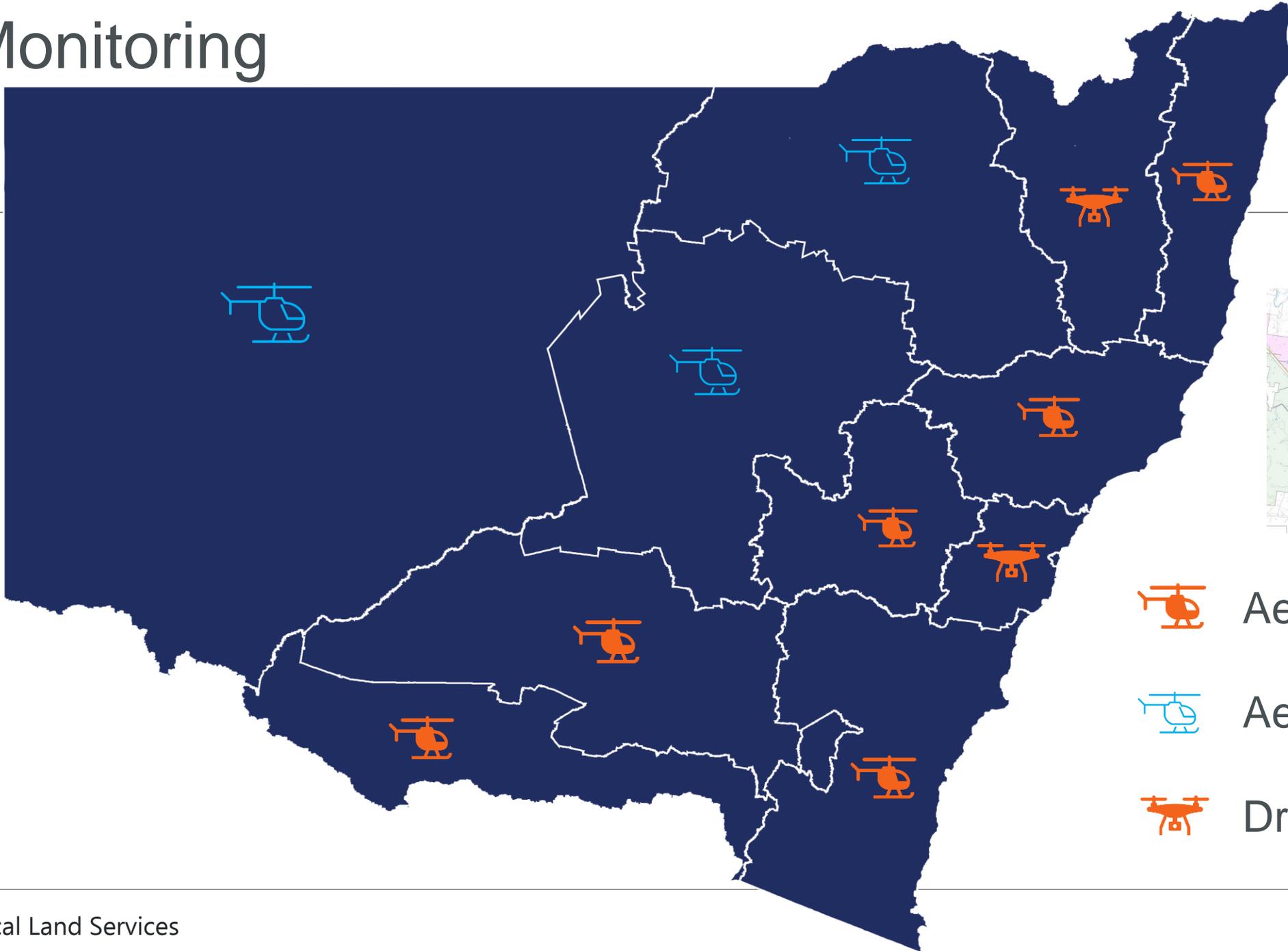
Theoretical Infected Premise



Intensive Pest Control Zones



Monitoring



Aerial Thermal

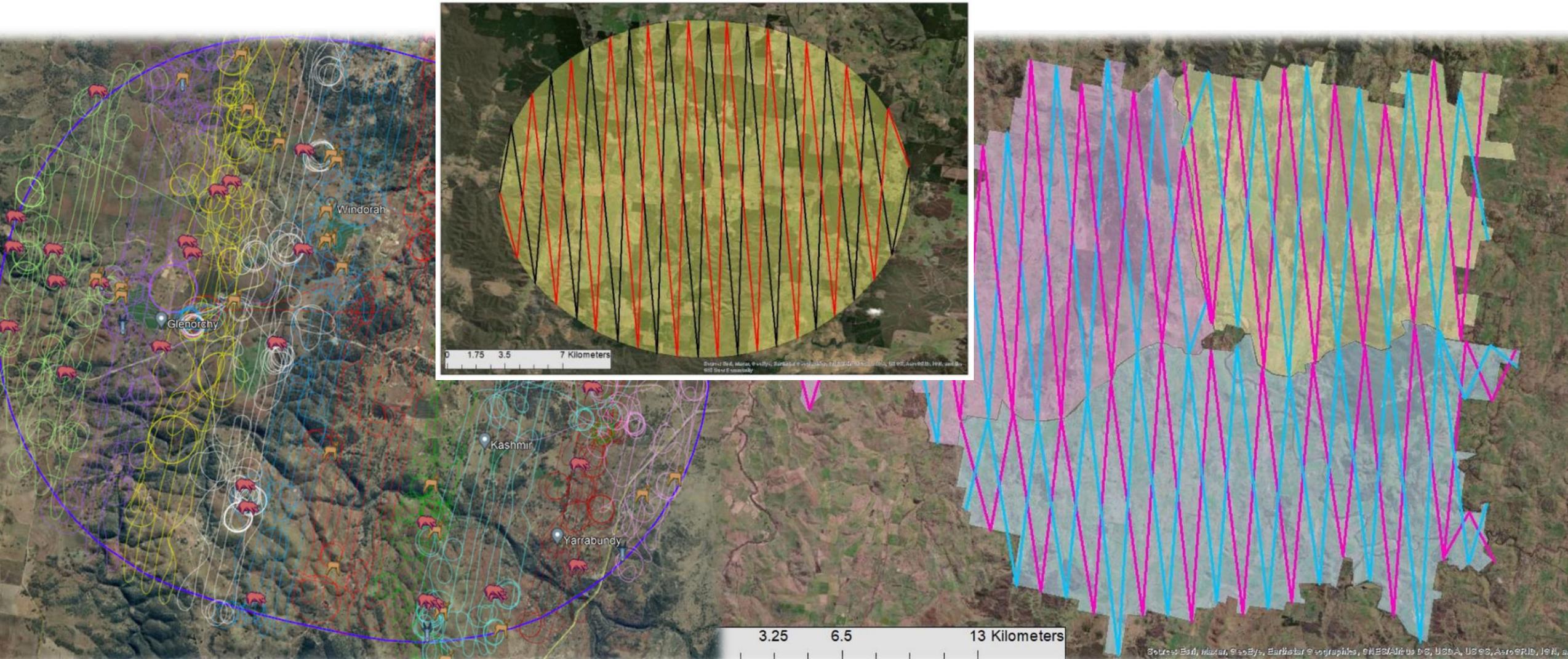


Aerial Visual

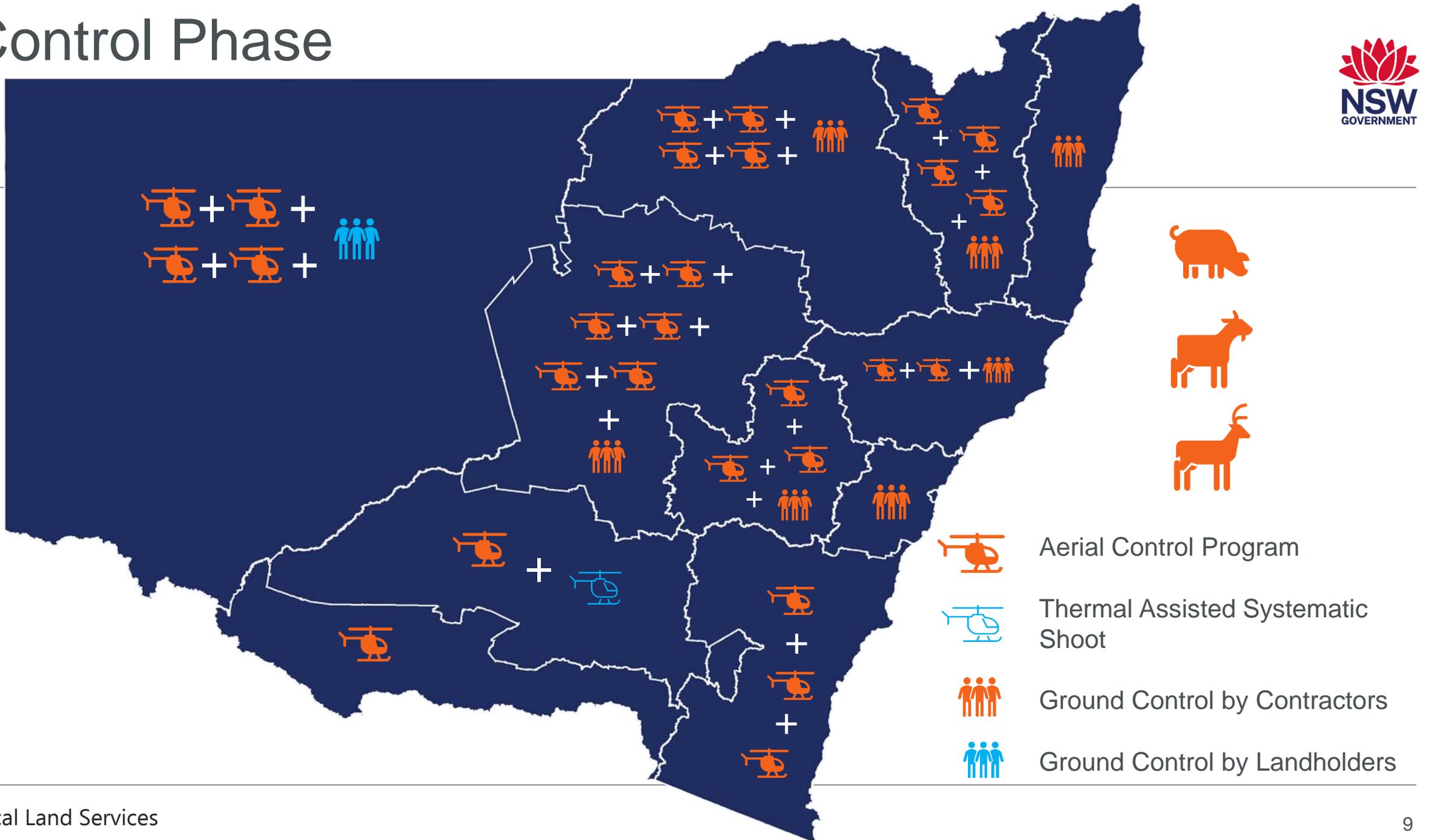


Drone Thermal

Intensive Pest Control Zones



Control Phase



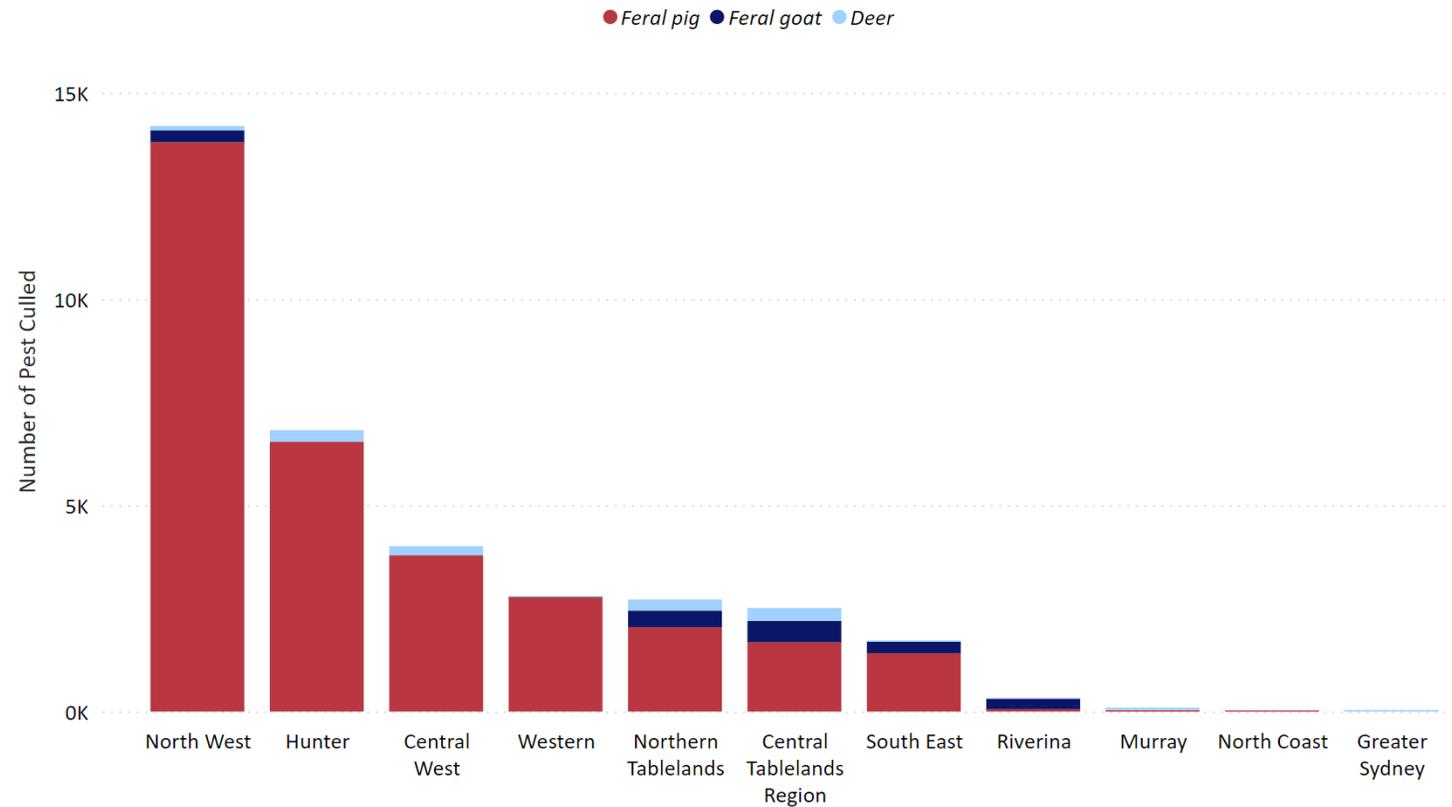
Intensive Pest Control Zones

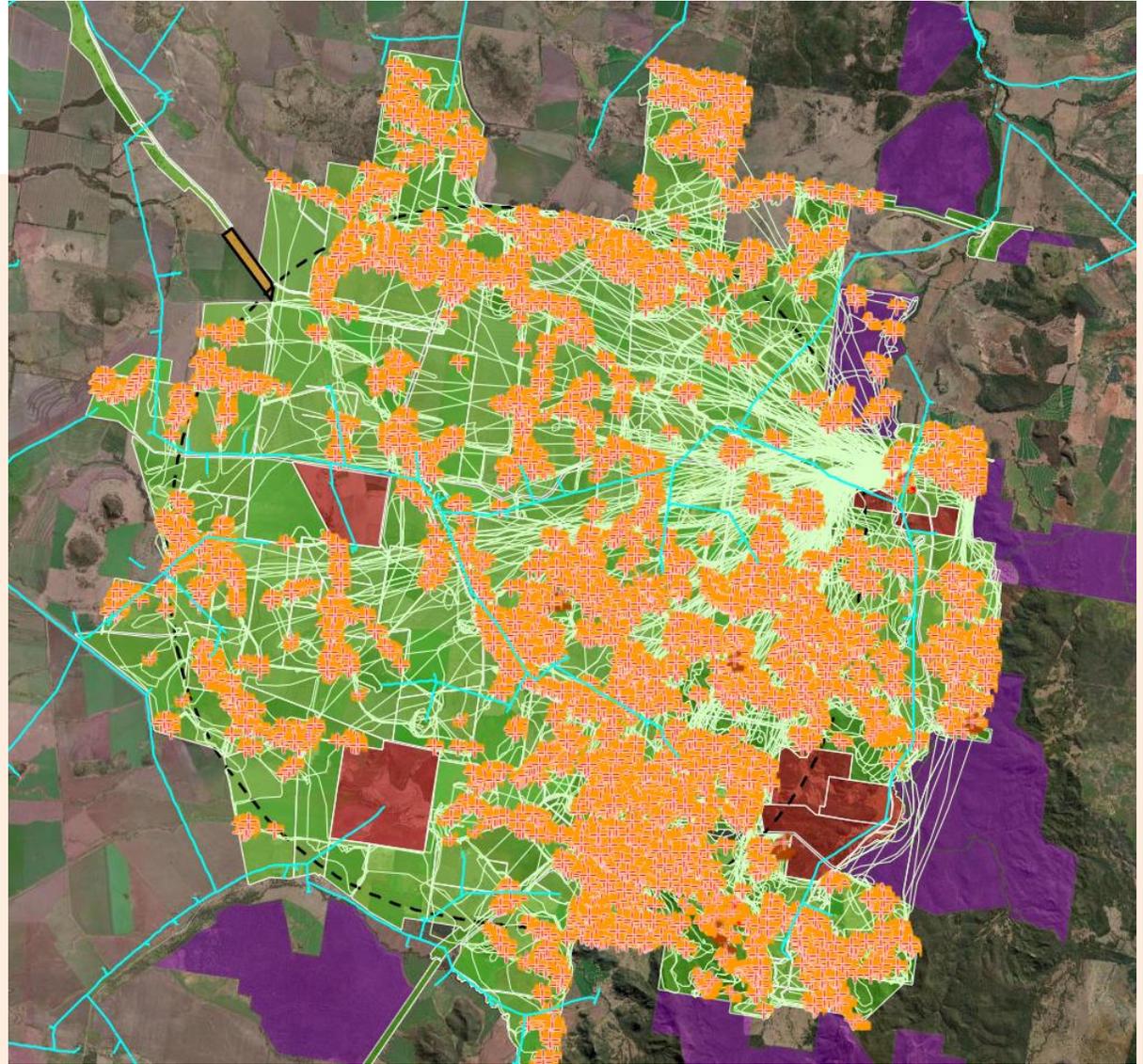
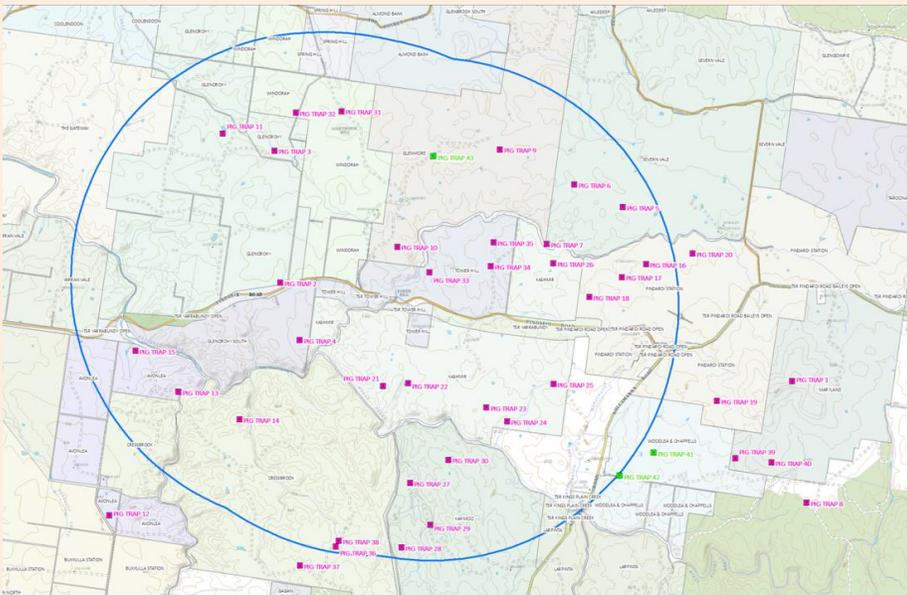
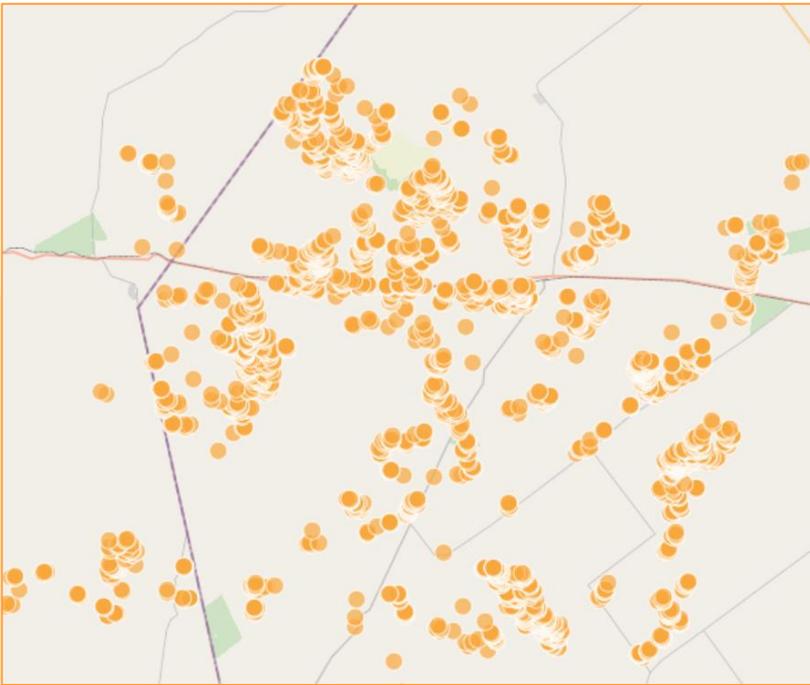


Stats

Number of Holdings	2305
Area (ha)	4,016,146.79
Free Feed (kg)	18,722.50
1080 Bait Issued	3,754.00
Hoggone Trays Issued	35.00
Flight Hours	1,346.50
Total Culled	35266
Feral Pig	32164
Total Deer	1351
Feral Goat	1751

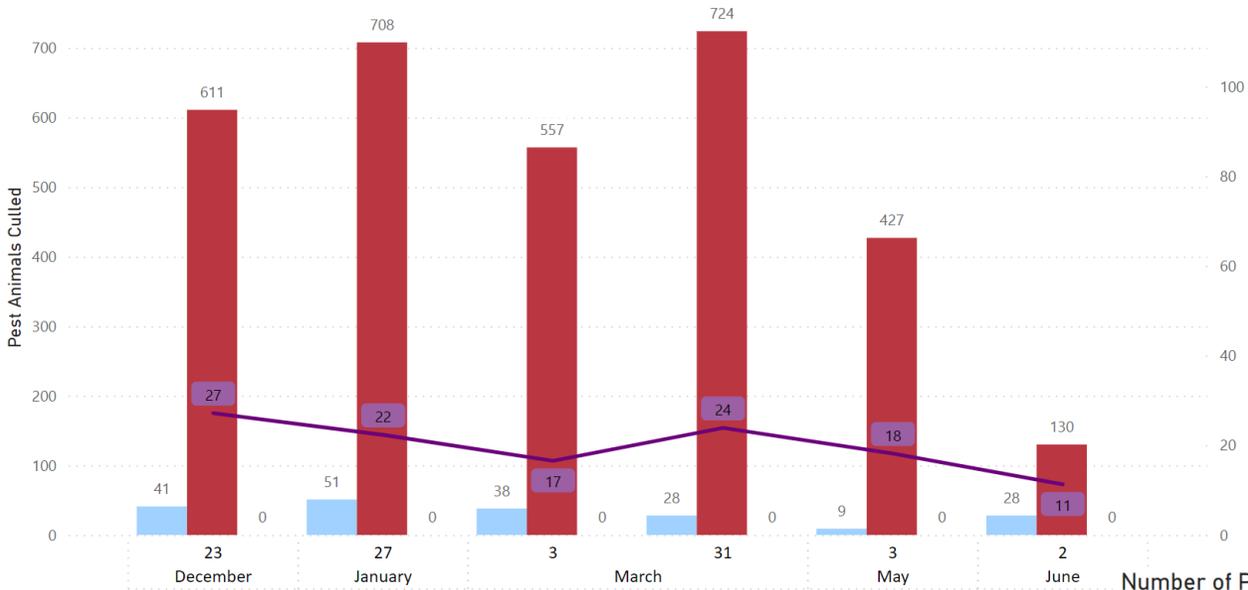
Cloven Hoofed Pest Animals Culled





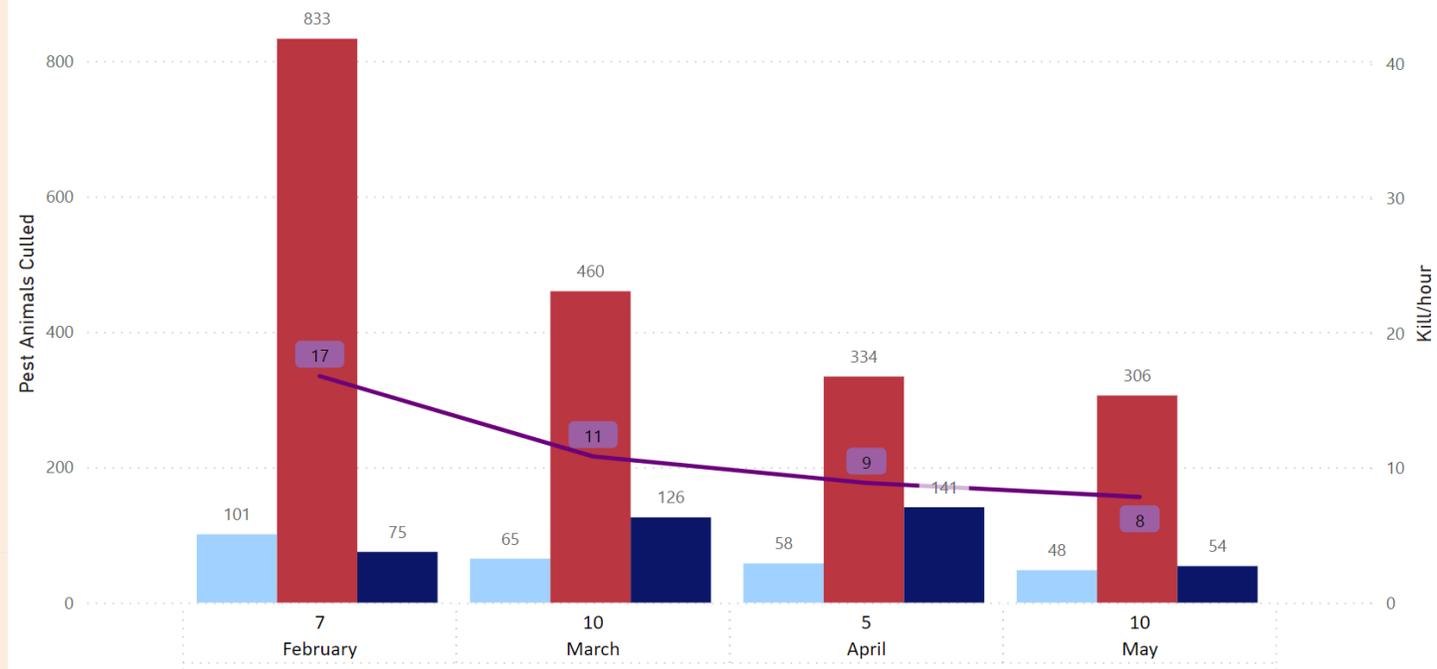
Number of Pests Culled

Deer Feral Pig Feral Goat Kill/hour



Number of Pests Culled

Deer Feral Pig Feral Goat Kill/hour



Intensive Pest Control Zones

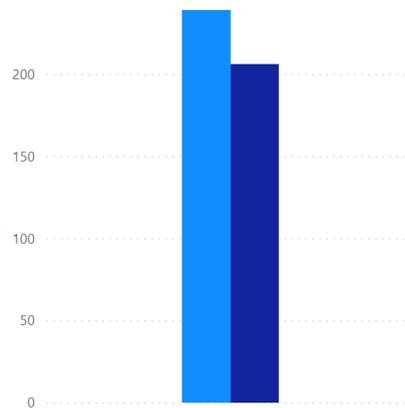


Control Statistics

Number of Holdings	2
Area (ha)	15,000.00
Control Programs	1
Flight Hours	18.00
Ground Control Hours	
1080 Bait Issued (kg)	0.00
Sum of Hoggone Trays Issued	0.00
Total Culled	97
Total Deer	59
Feral Pig	38
Feral Goat	0

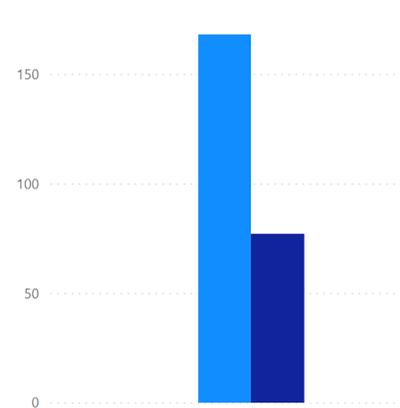
0%
Reduction in Deer Abundance (%)

Abundance of Deer
● Pre Control ● Post Control



54%
Reduction of Feral Pig abundance (%)

Abundance of Feral Pigs
● Pre Control ● Post Control

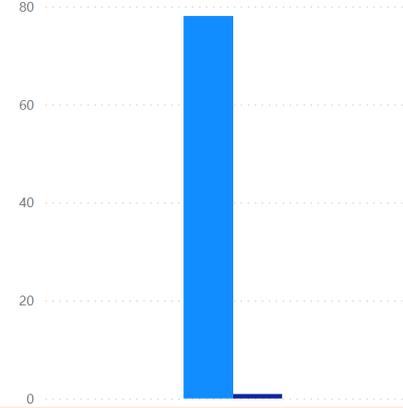


Control Statistics

Number of Holdings	128
Area (ha)	158,058.10
Control Programs	2
Flight Hours	154.00
Ground Control Hours	
1080 Bait Issued (kg)	505.00
Sum of Hoggone Trays Issued	1.00
Total Culled	6790
Total Deer	271
Feral Pig	6519
Feral Goat	0

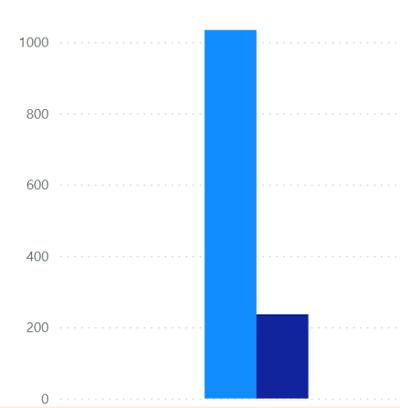
100%
Reduction in Deer Abundance (%)

Abundance of Deer
● Pre Control ● Post Control



80%
Reduction of Feral Pig abundance (%)

Abundance of Feral Pigs
● Pre Control ● Post Control



Key Program Findings & Learnings

- Wild dog impact on feral pig trapping programs
- Timing of aerial control to not disrupt other control techniques
- GPS collar data highlighting the challenges of using aerial shooting alone
- Scale was not conducive to achieving required # detections during monitoring
- Significant control effort required to manage feral pigs



📷 Dean Chamberlain, North Coast LLS

Acknowledgements

LLS Invasive Species Business Partner:
FMD-PP Project Manager
FMD-PP Steering Committee Chair:
FMD-PP Pest Animals Project Team:

Jake Tanner
Mark Lettfuss
Paul Hutchings
Carly Wright

Vertebrate Pest Research Unit (NSW DPI)
Dr Jessica Todd
Dr Steven McLeod
Dr Tarnya Cox

LLS Regional FMD Program Coordinators & their teams:

Central Tablelands: Josh Frappell & Colleen Farrow
Central West: Nigel Boyce, Kim Bale, Will Thorncraft & David Kellett
Greater Sydney: Annaliese Geddes & Anthony Schofield
Hunter: Luke Booth
Murray: John Nolan & Peter O'Shannassy
North Coast: Dean Chamberlain
Northern Tablelands: Mark Tarrant
North West: Tim Daly & Peter Dawson
Riverina: Rod Baker & Nicole Robinson
South East: Aidan Barton
Western: Brooke Anderson

