



≈ Western Shield ≈
Value Added Fauna Recovery

Presented by:

Dr Syd Shea

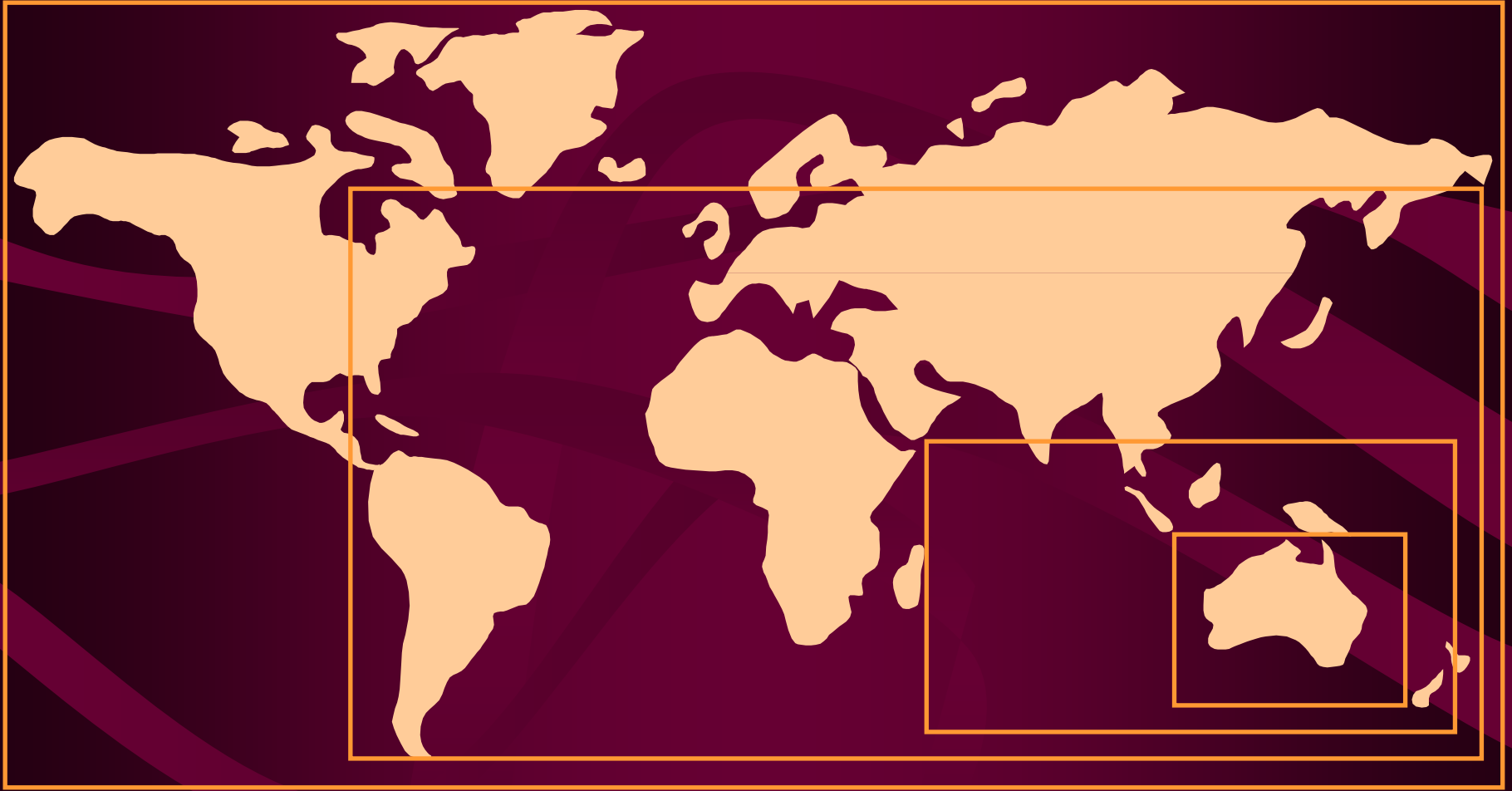
Executive Director

Department of Conservation and Land Management,
Western Australia

Australian Mammal Society

Perth, 6 July 1998





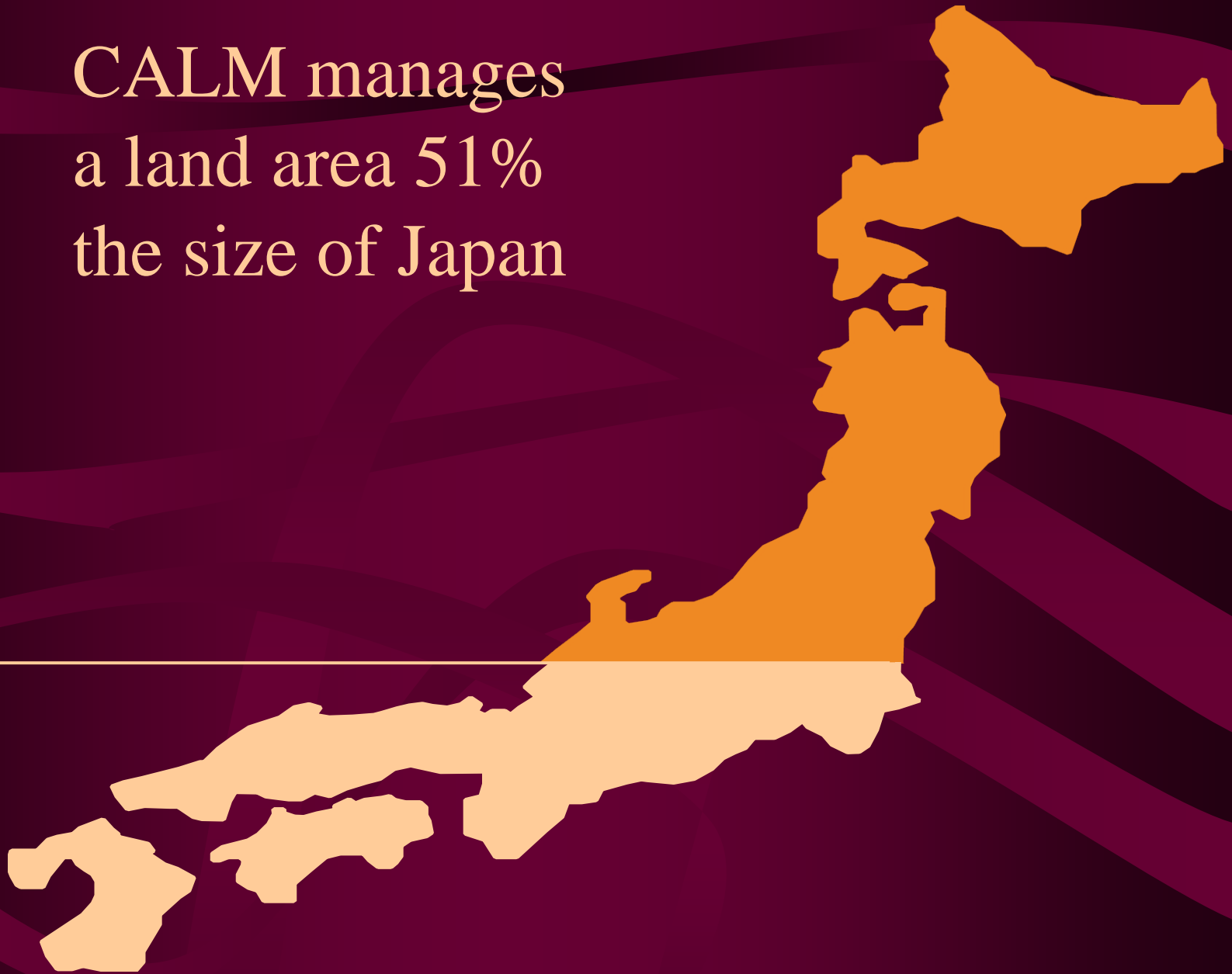
France
occupies a
land area
about a
quarter the
size of
Western
Australia



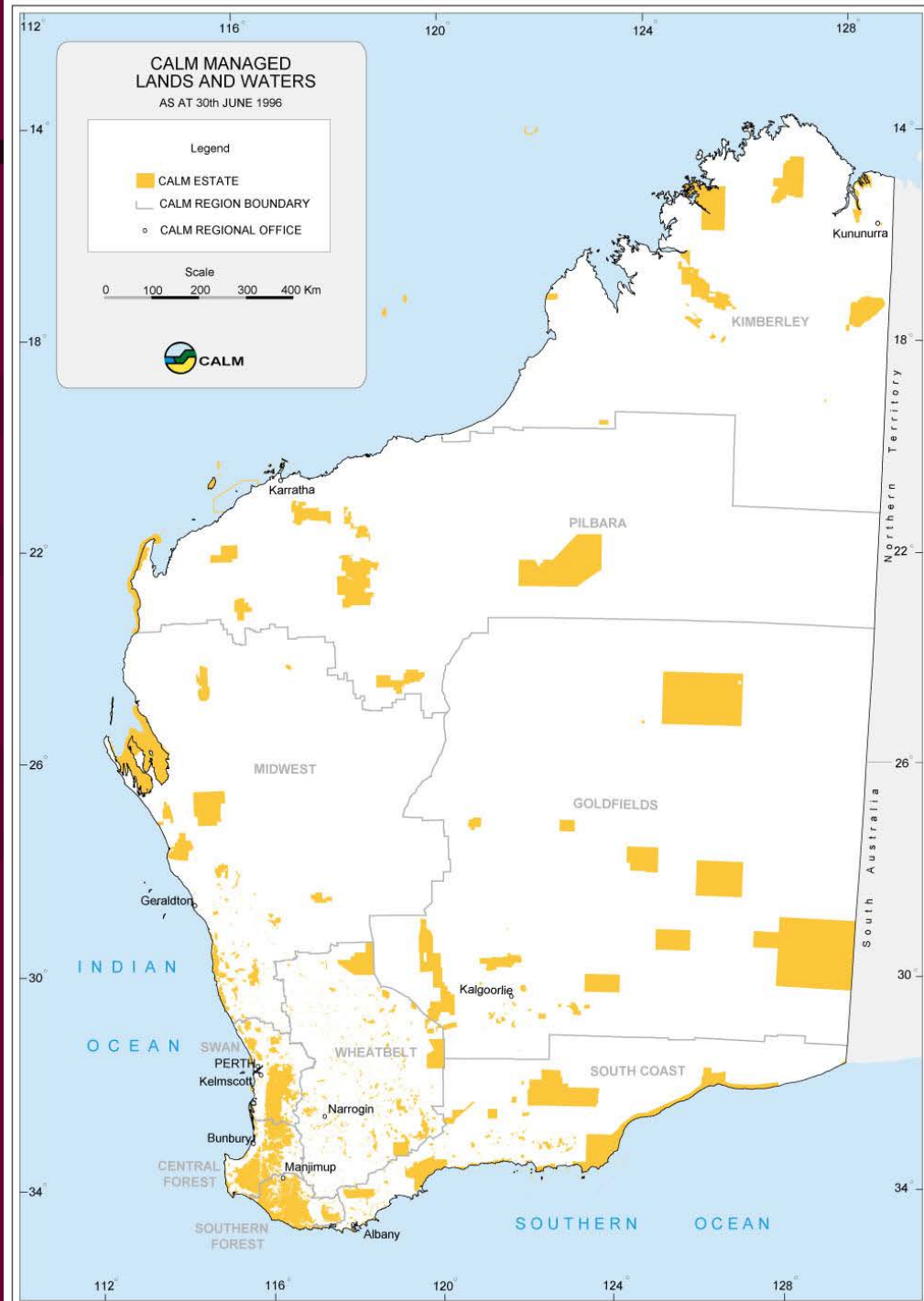


CALM manages
a land area 51%
the size of Japan

51%



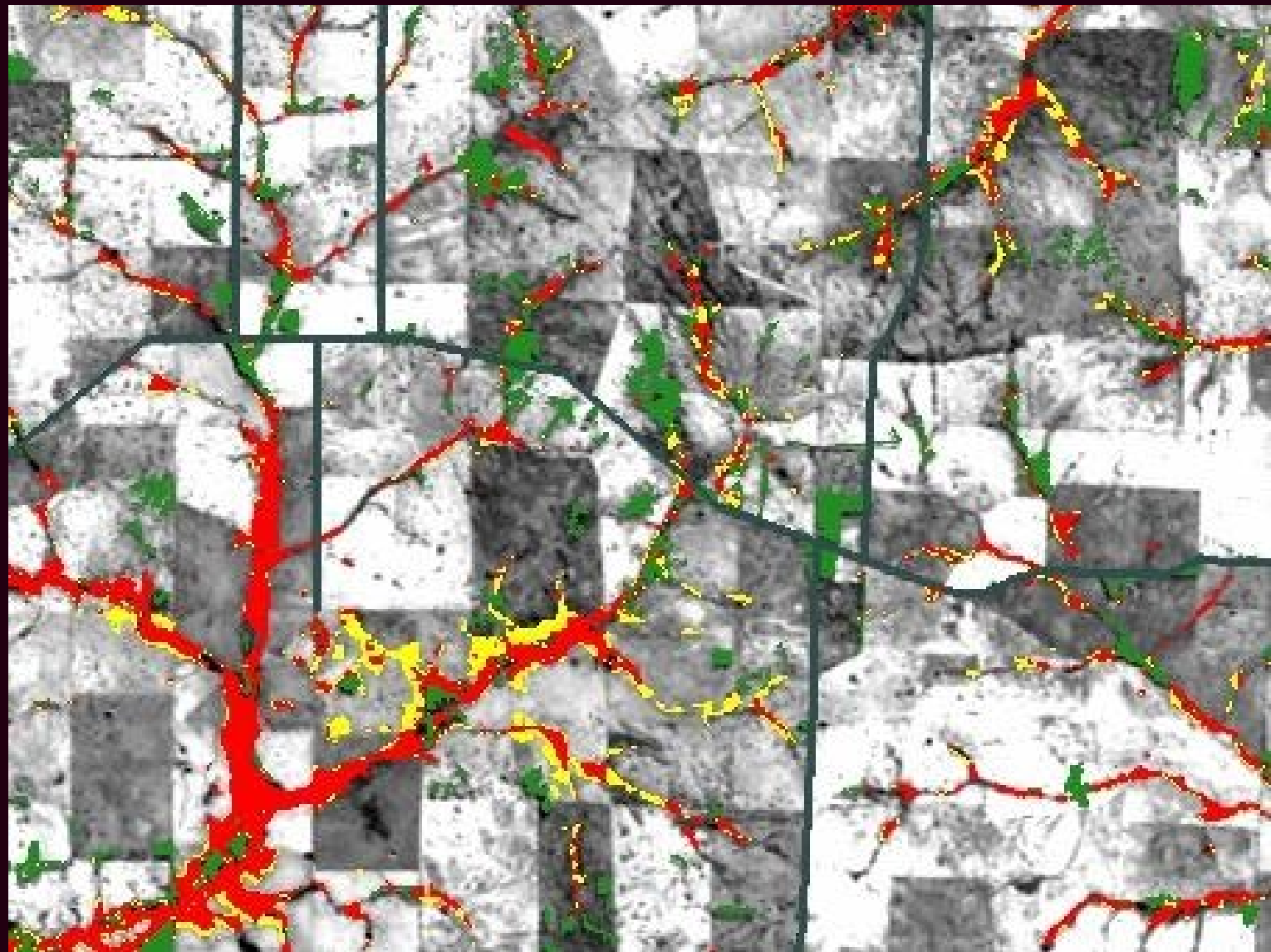
CALM managed lands and waters



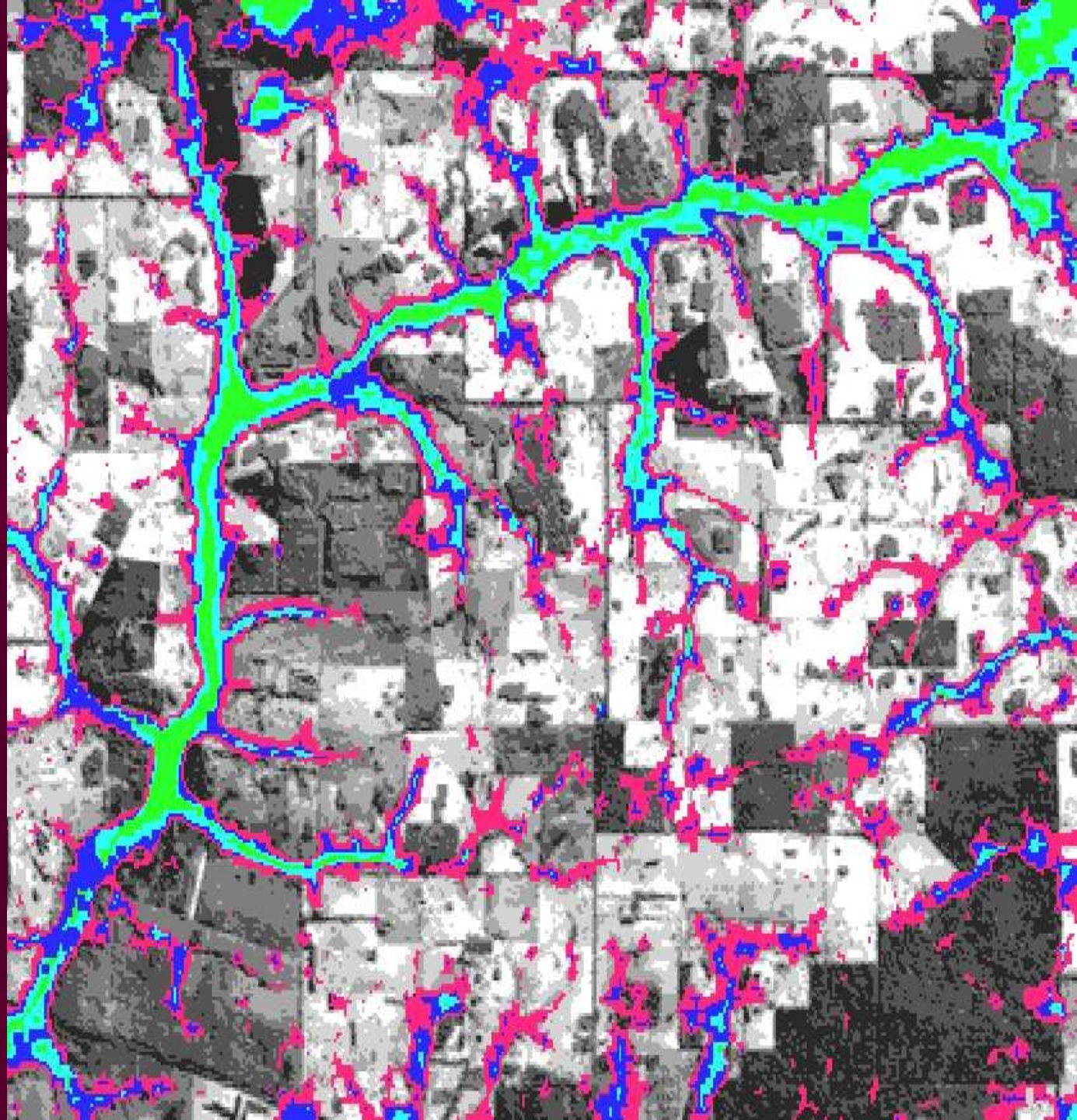
- 
- Integrating the needs of all of the community now and in the future
 - Integrating different sustainable land uses with sustainable conservation
 - Integrating conservation with wealth generation and employment creation
 - Integrating management and scientific skills to achieve these objectives







Predicted
Salinity
Risk
Areas









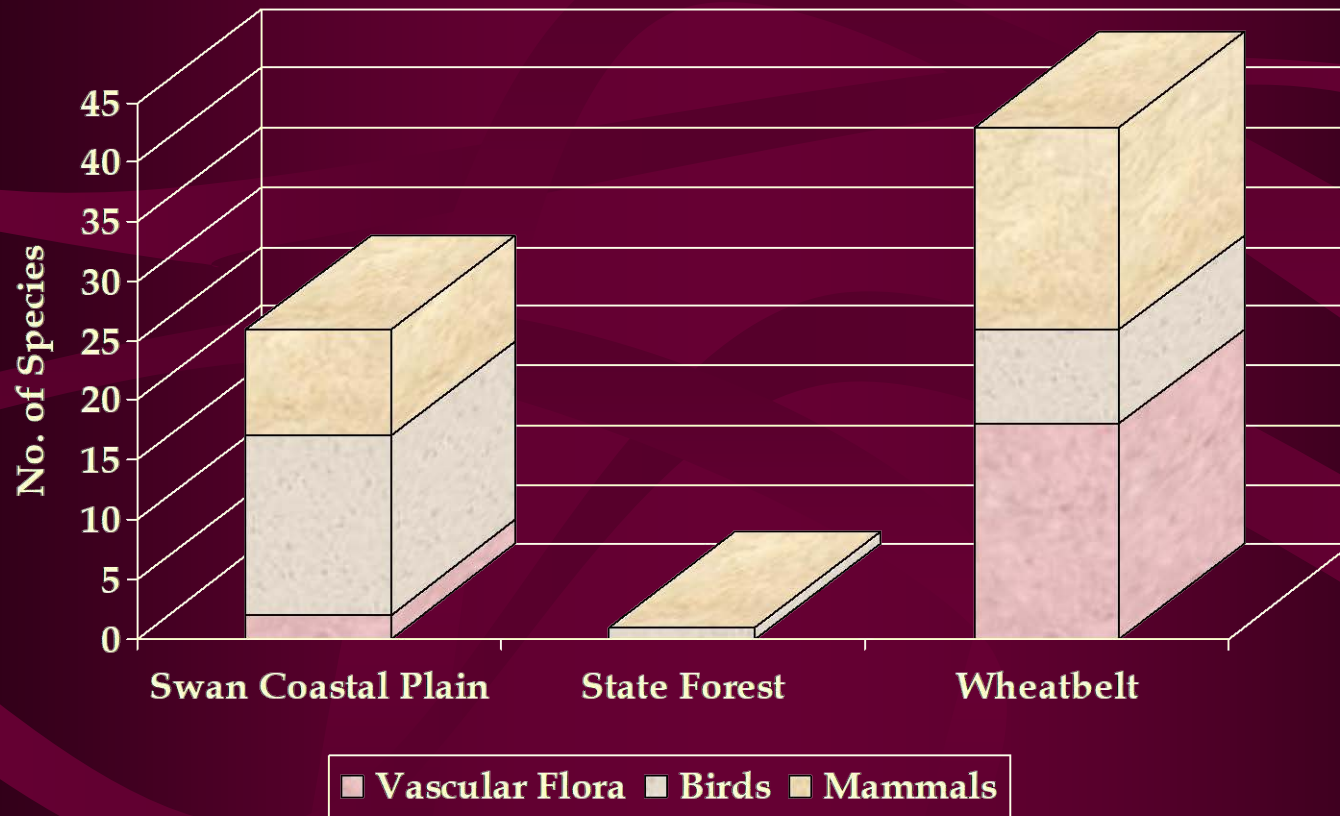




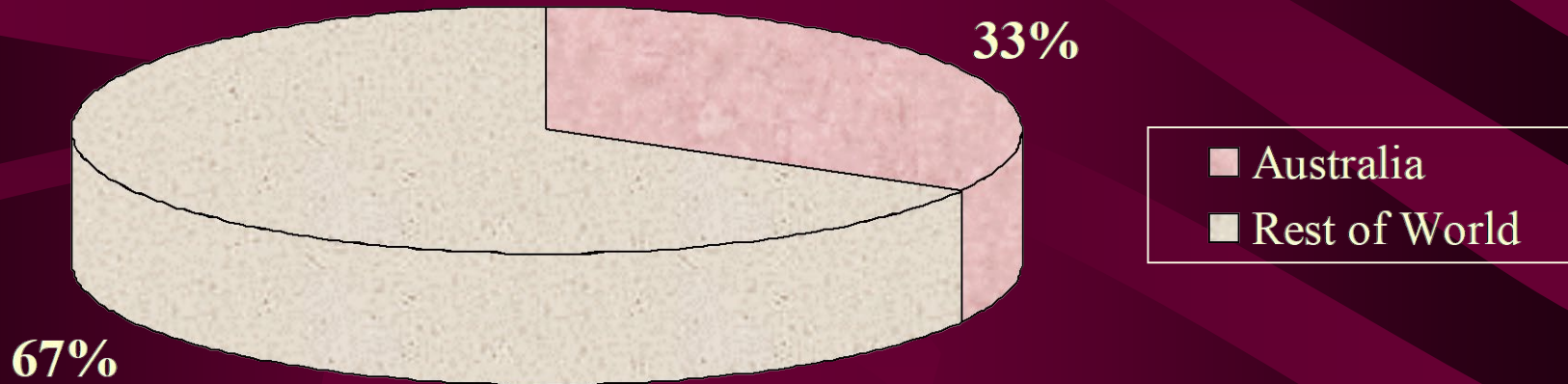


Species Extinctions Since European Settlement in 1829

(After Armstrong and Abbott, 1995)



Recent Mammal Extinction (Australia Leads the World)

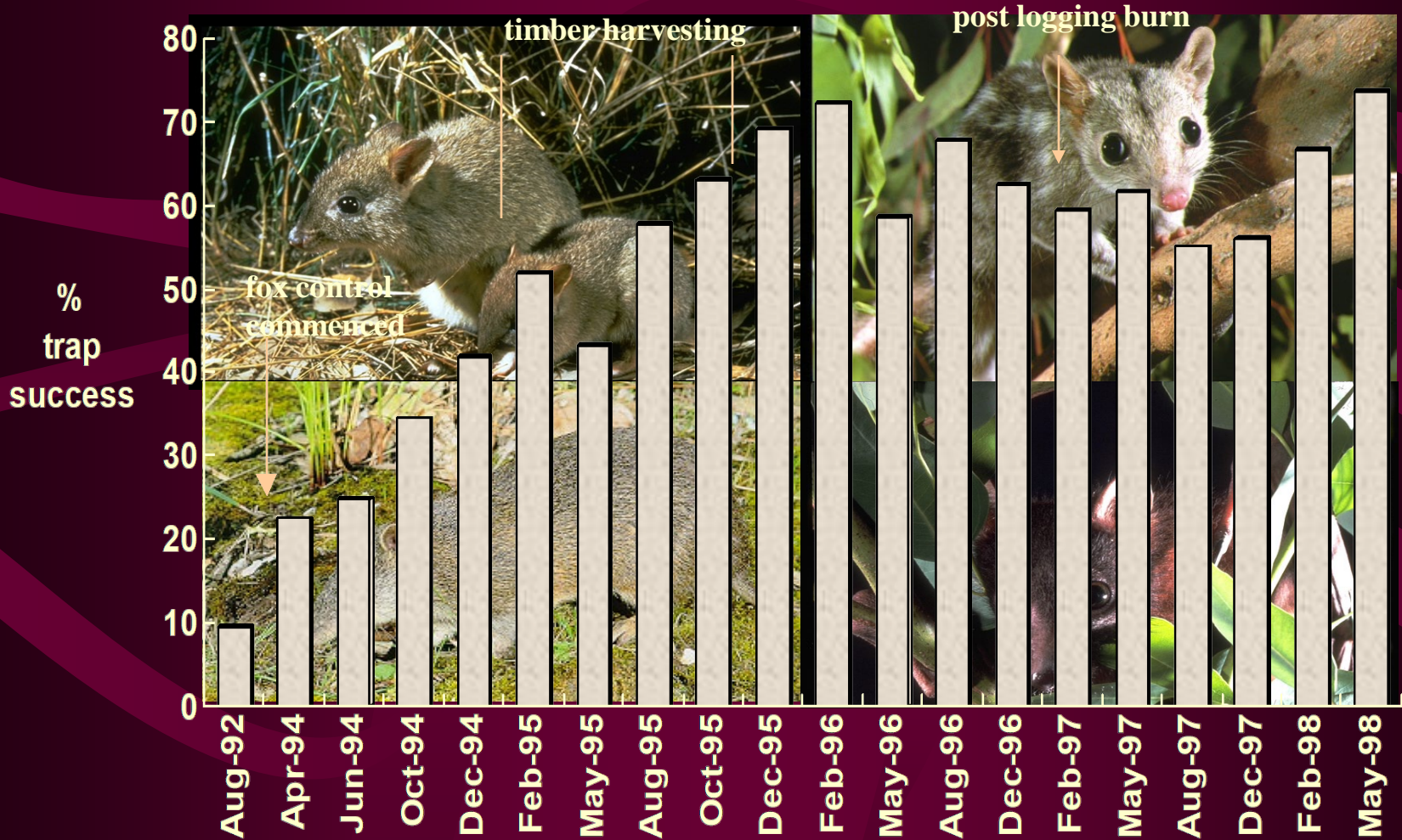




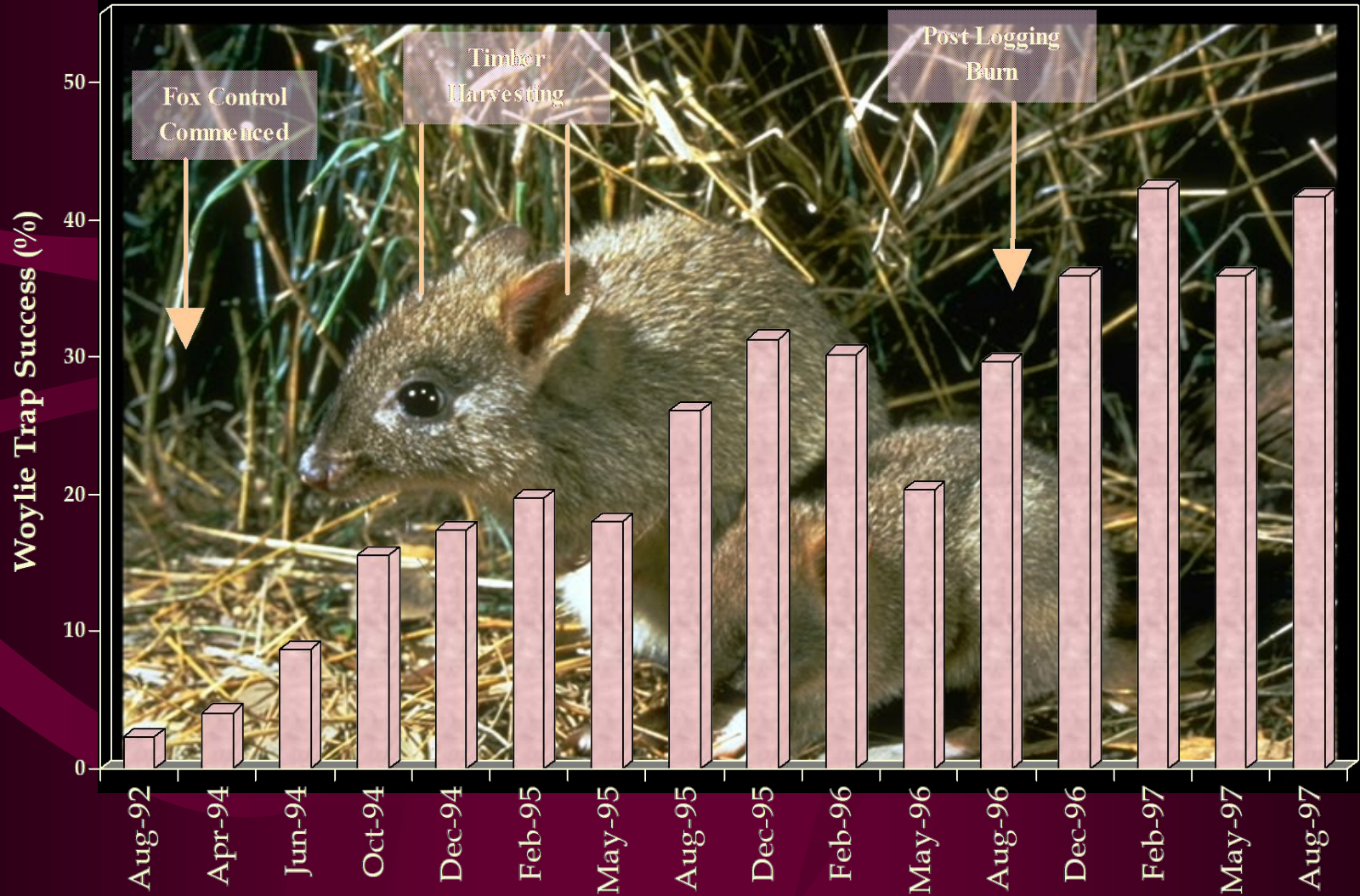




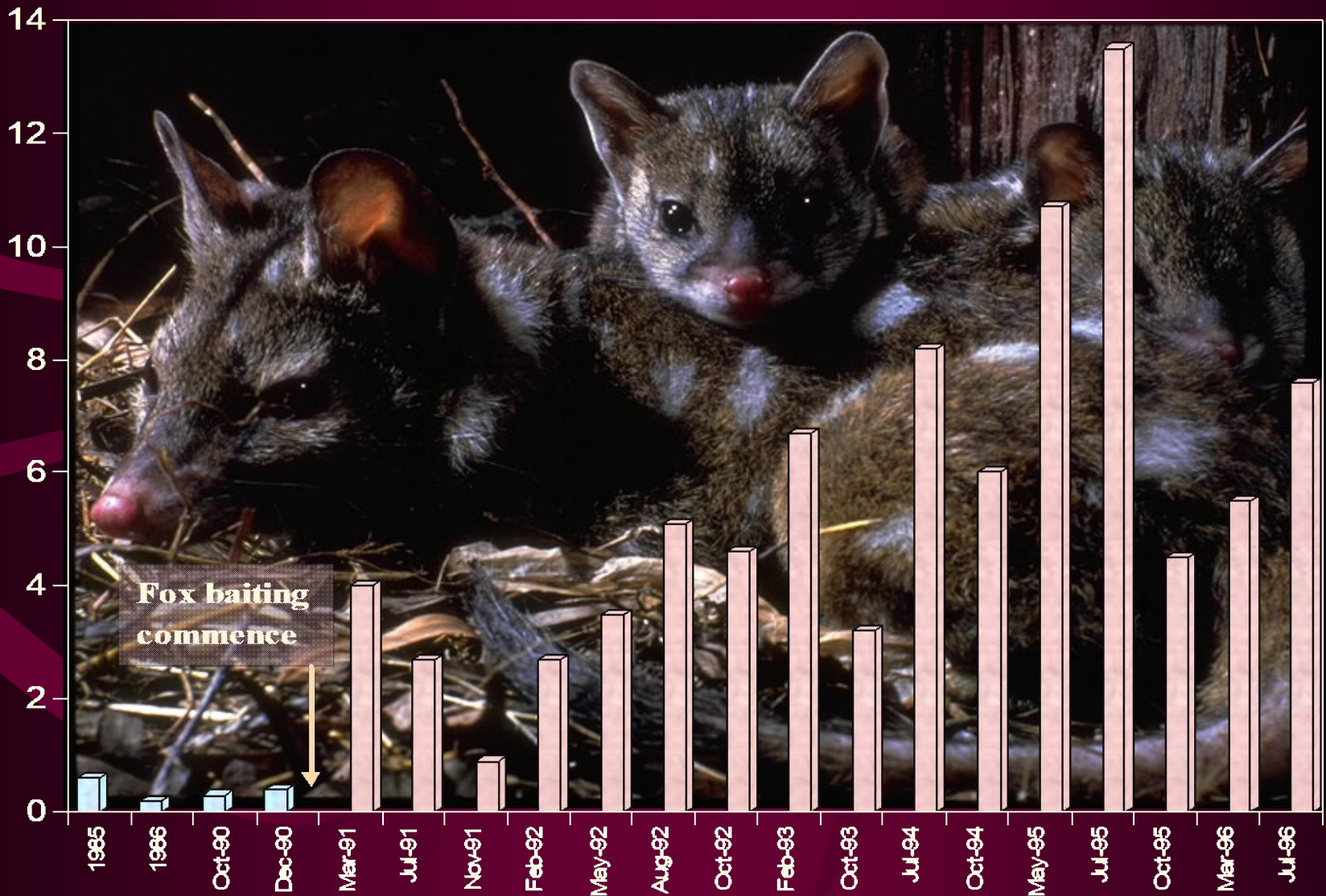
Kingston Timber Harvesting Study - Trap Success Rates for all Medium Sized Mammals (Woylie, Quenda, Chuditch, Bt Possum) along Road Transects



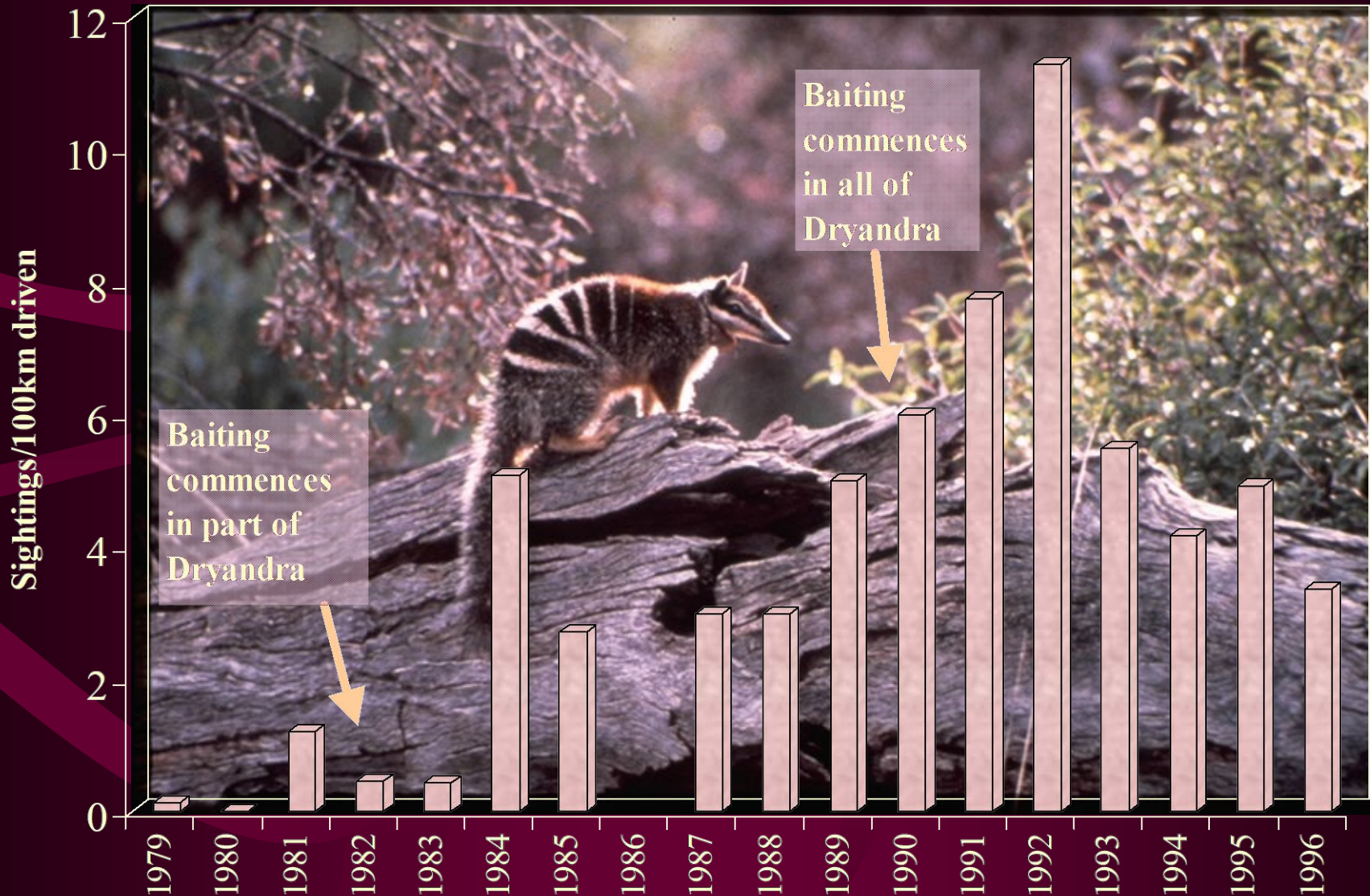
Kingston Timber Harvesting Study - Trap Success Rates for Woylies Along Road Transects



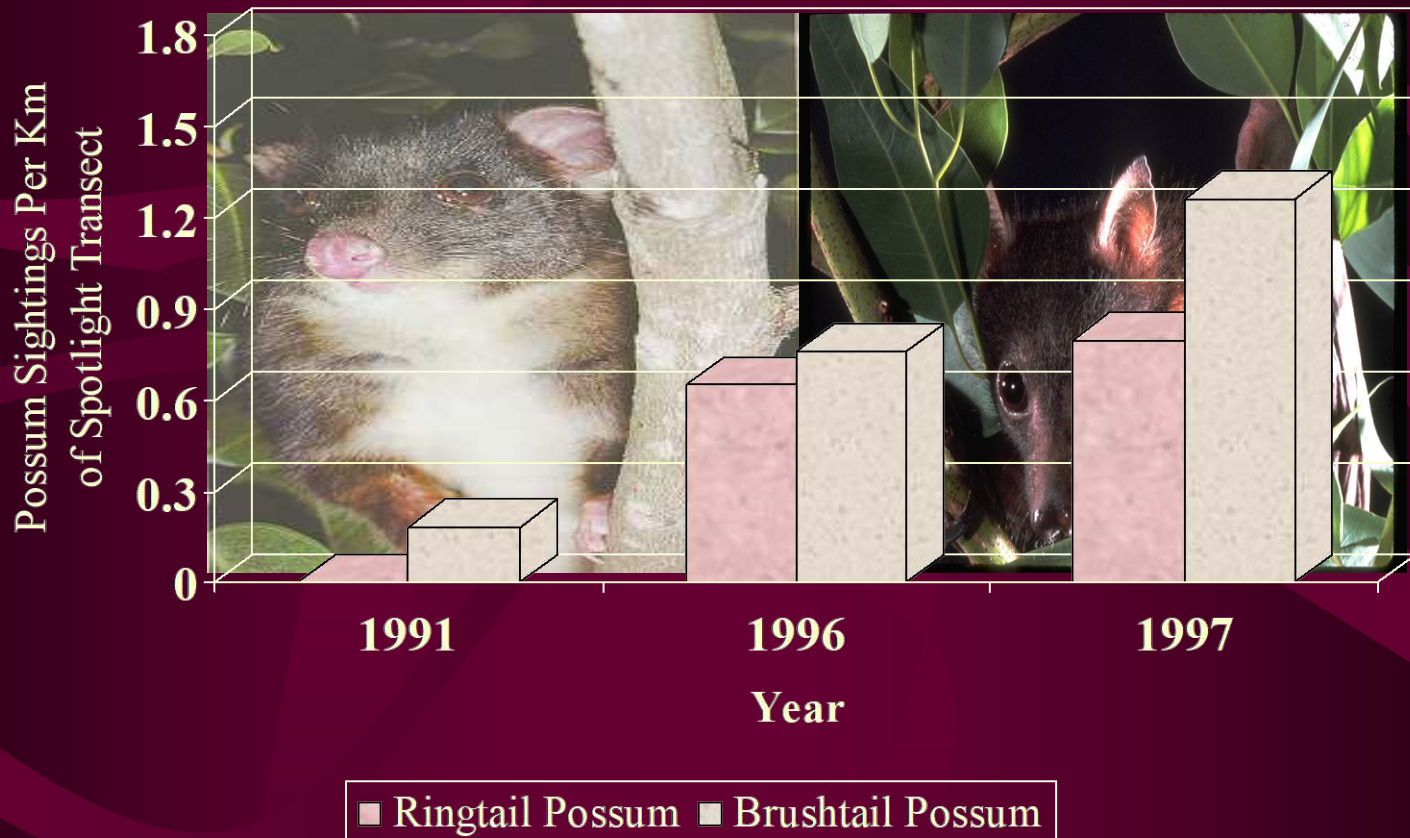
The Impact of Fox Control on Chuditch at Batailling forest



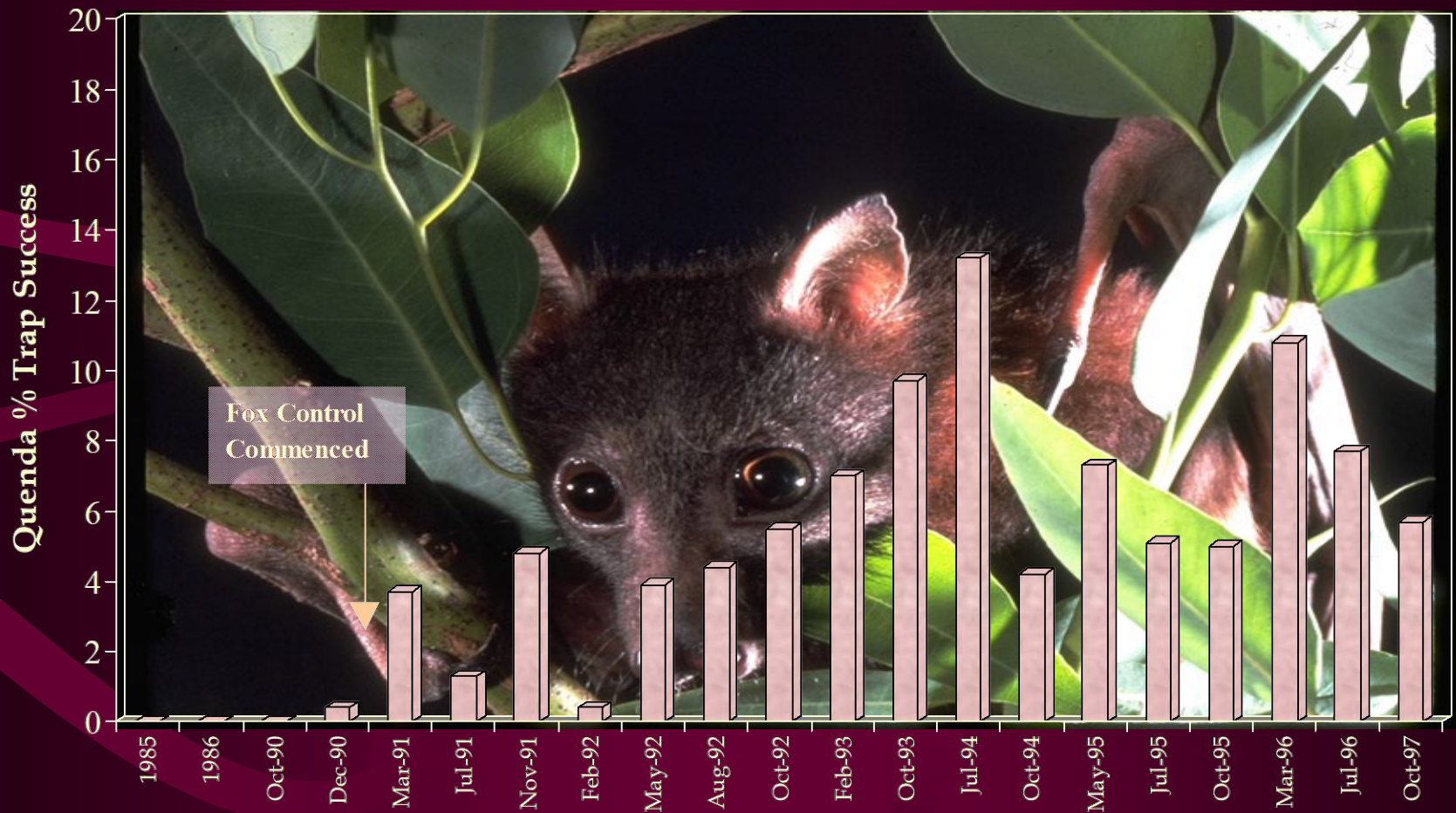
Numbat Sightings in Dryandra Forest



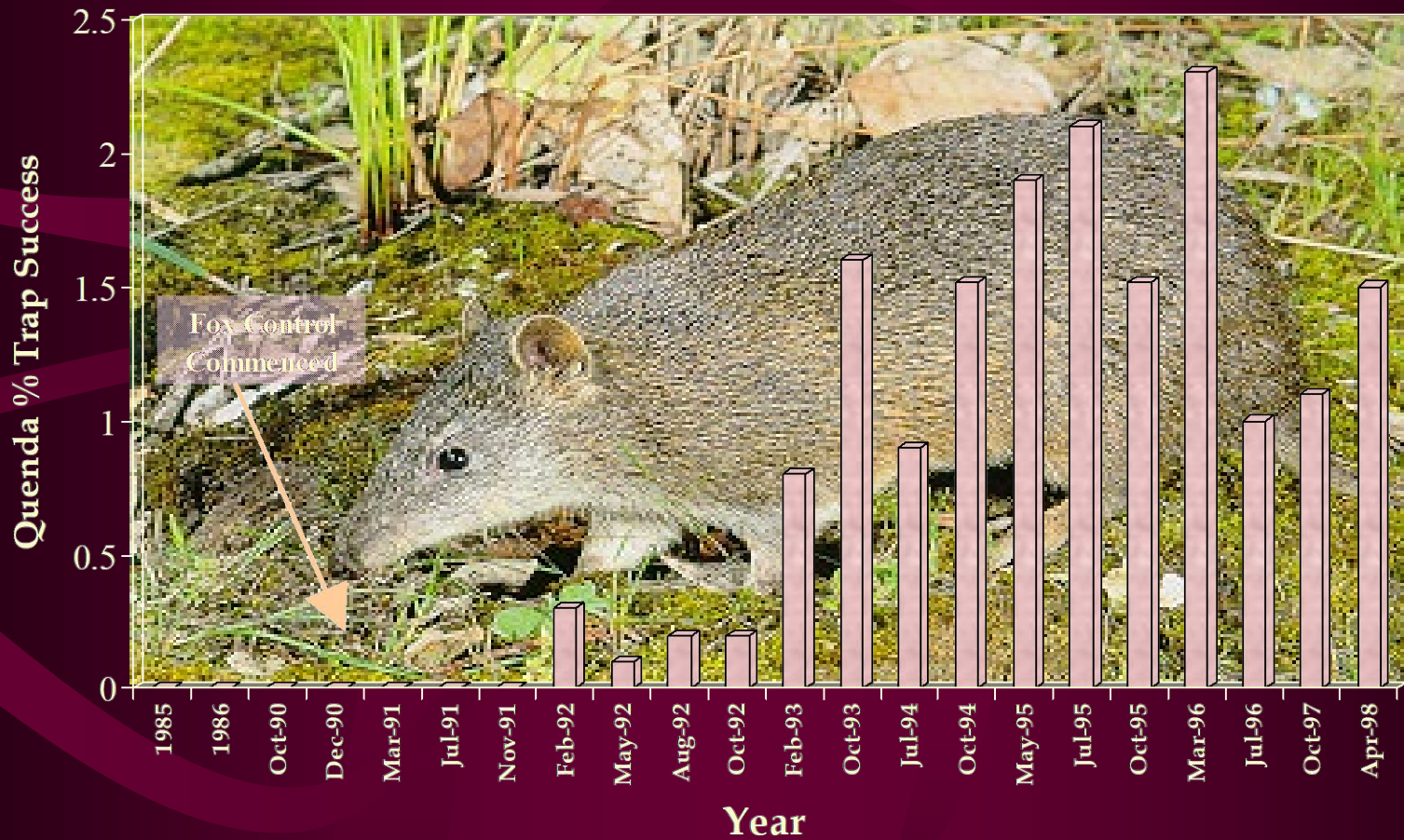
Ringtail Possum and Brushtail Possum spotlight sightings at Leschenault Peninsula



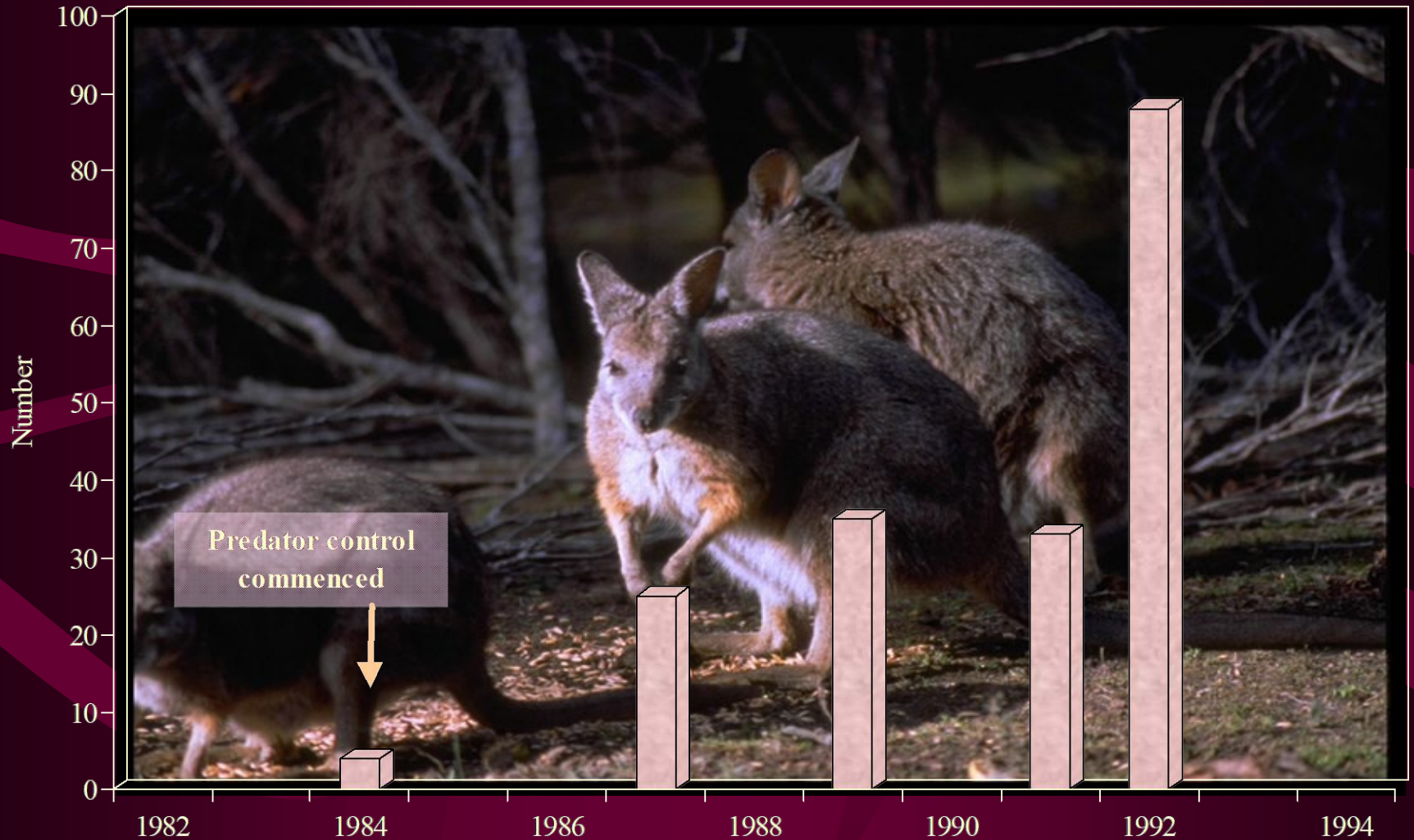
Brushtail Possum Response to Fox Control (Batalling Forest Block)



Quenda Response to Fox Control (Batalling Forest Block)



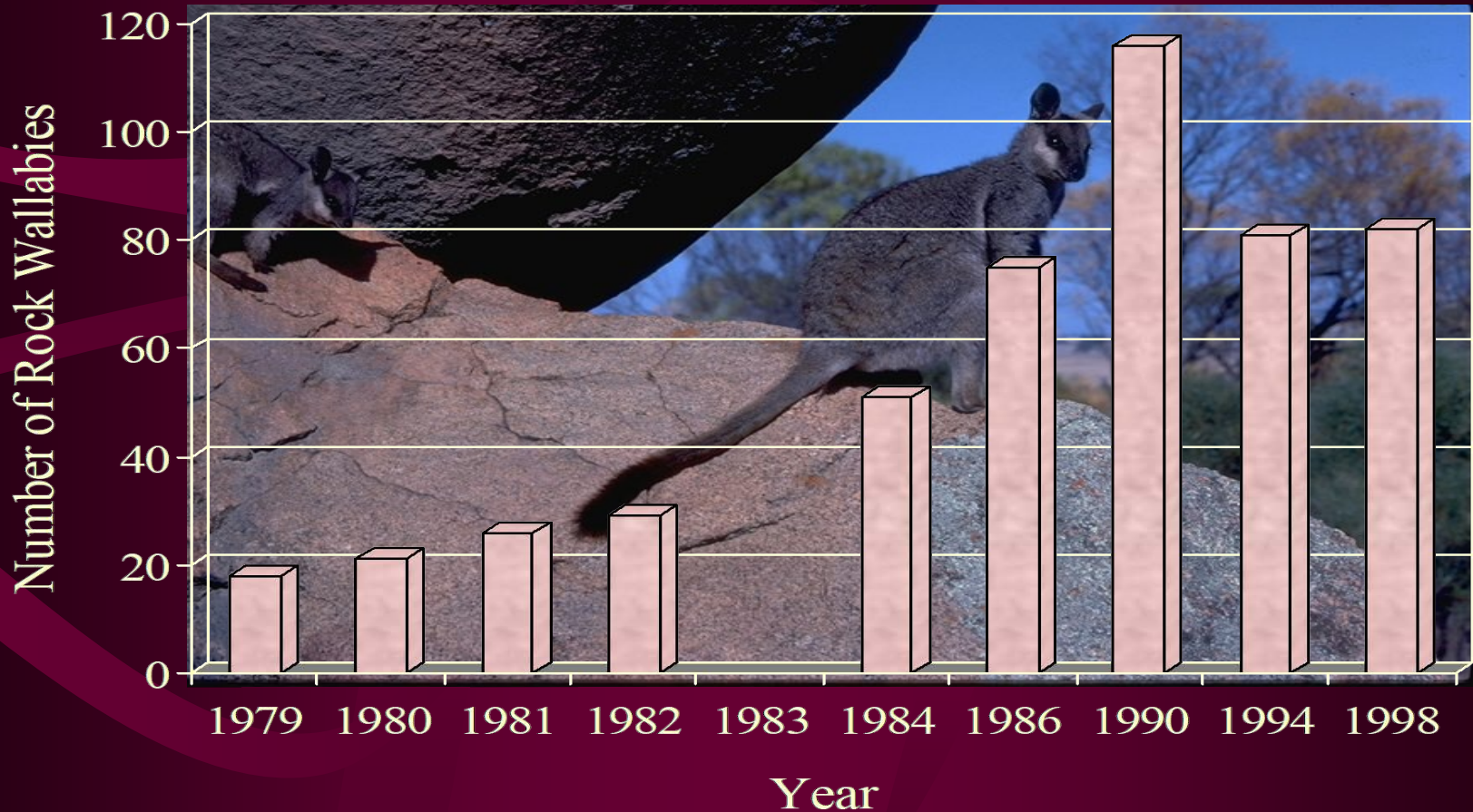
Tammar Wallaby Sightings (Tutanning Nature Reserve)



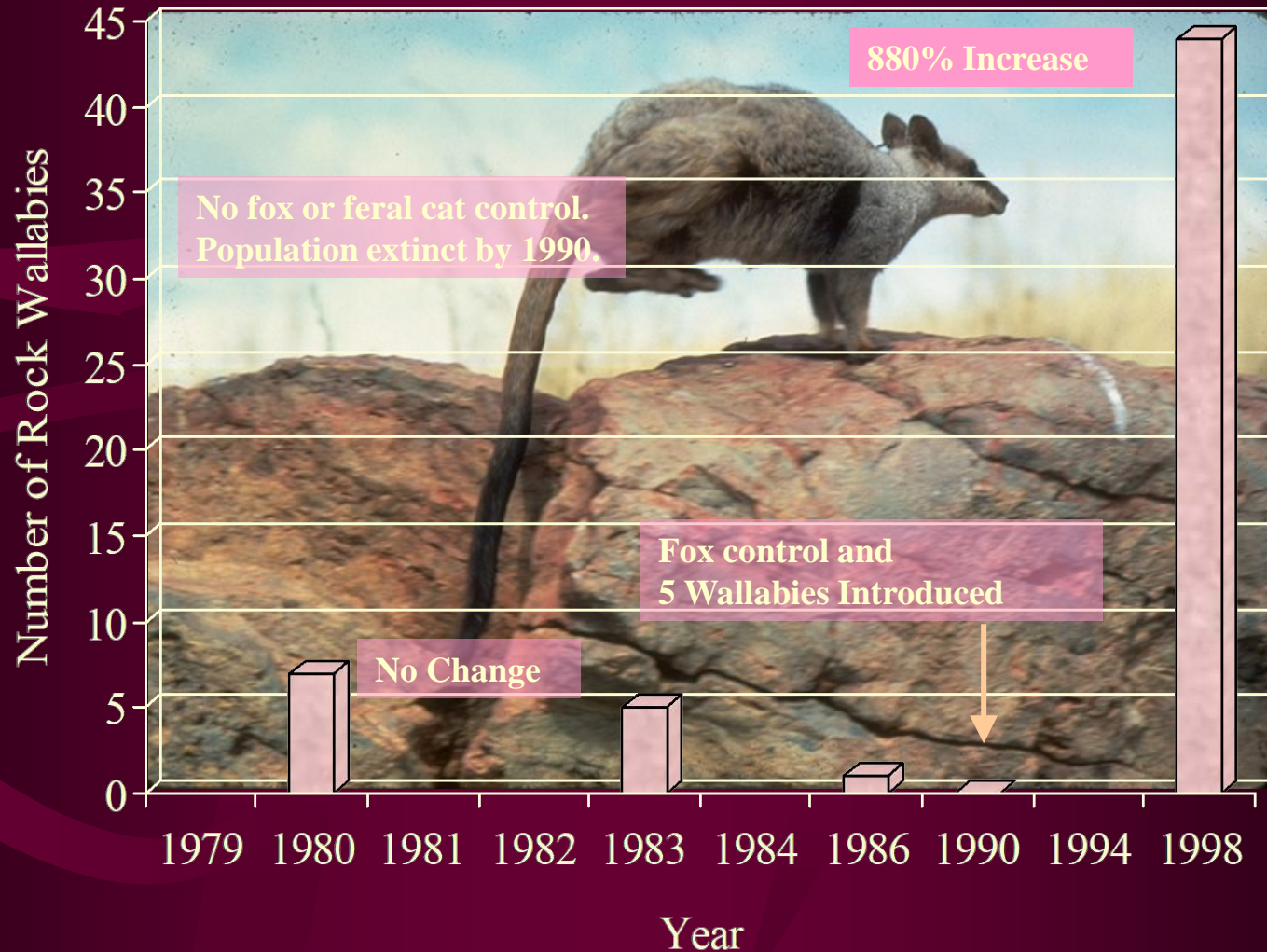
Western Shield Benefits - Feral Predator Control and Rock Wallaby Population Responses - Mount Caroline -



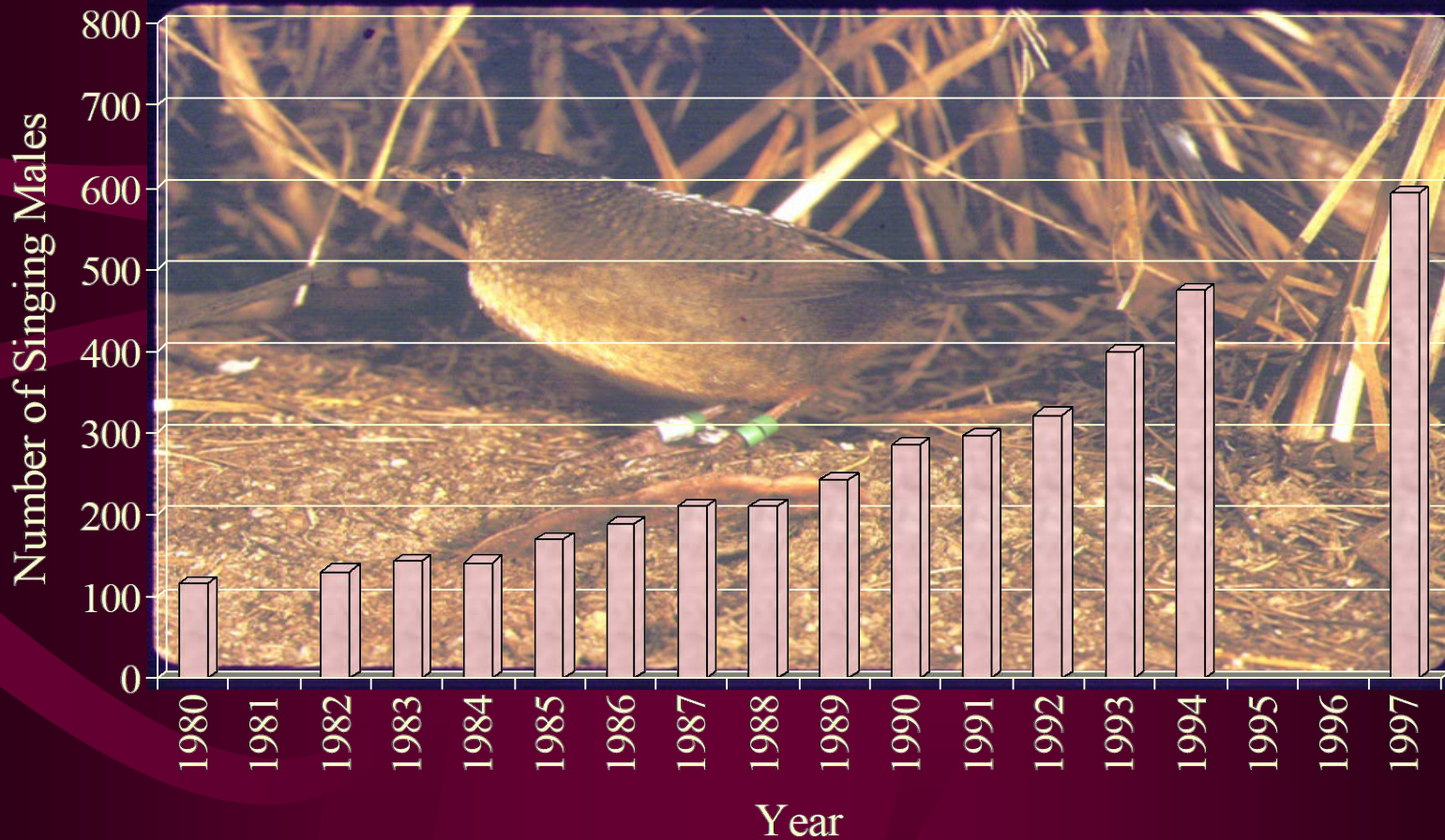
Western Shield Benefits - Feral Predator Control and Rock Wallaby Population Responses - Nangeen Hill -



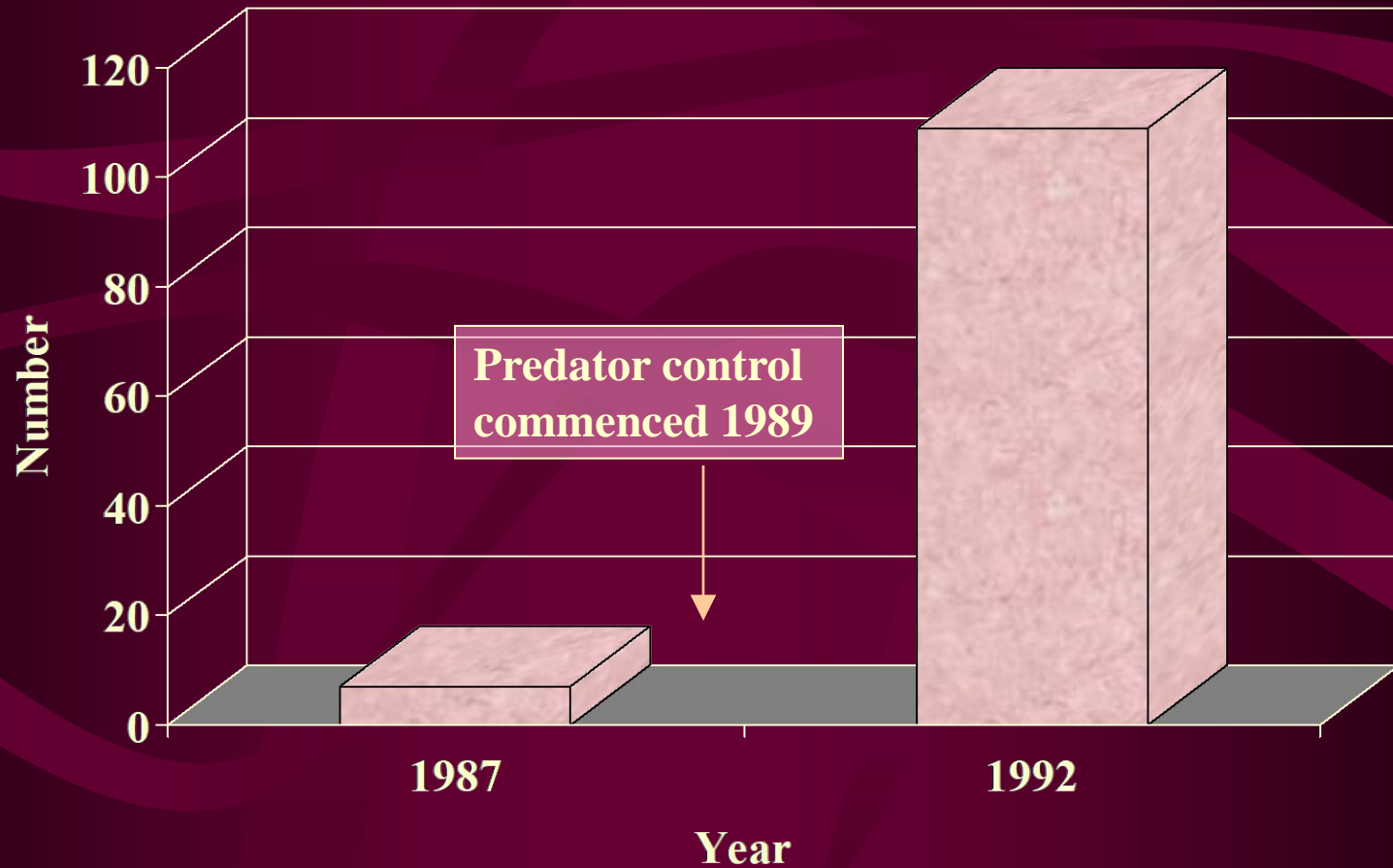
Western Shield Benefits - Feral Predator Control and Rock Wallaby Population Responses - 'The Granites' -



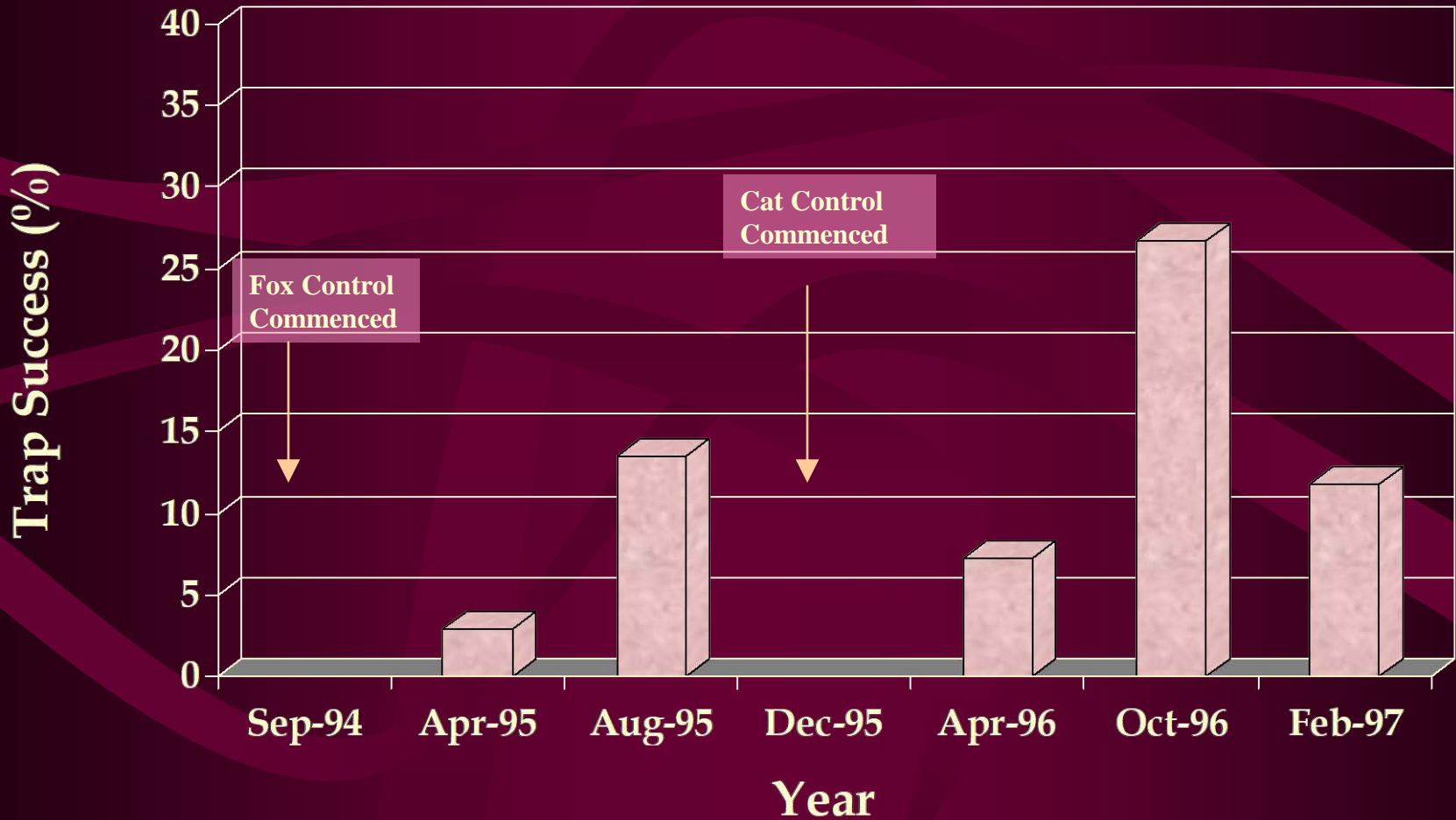
Number of Singing Males of Noisy Scrub-Birds (1980-1997)



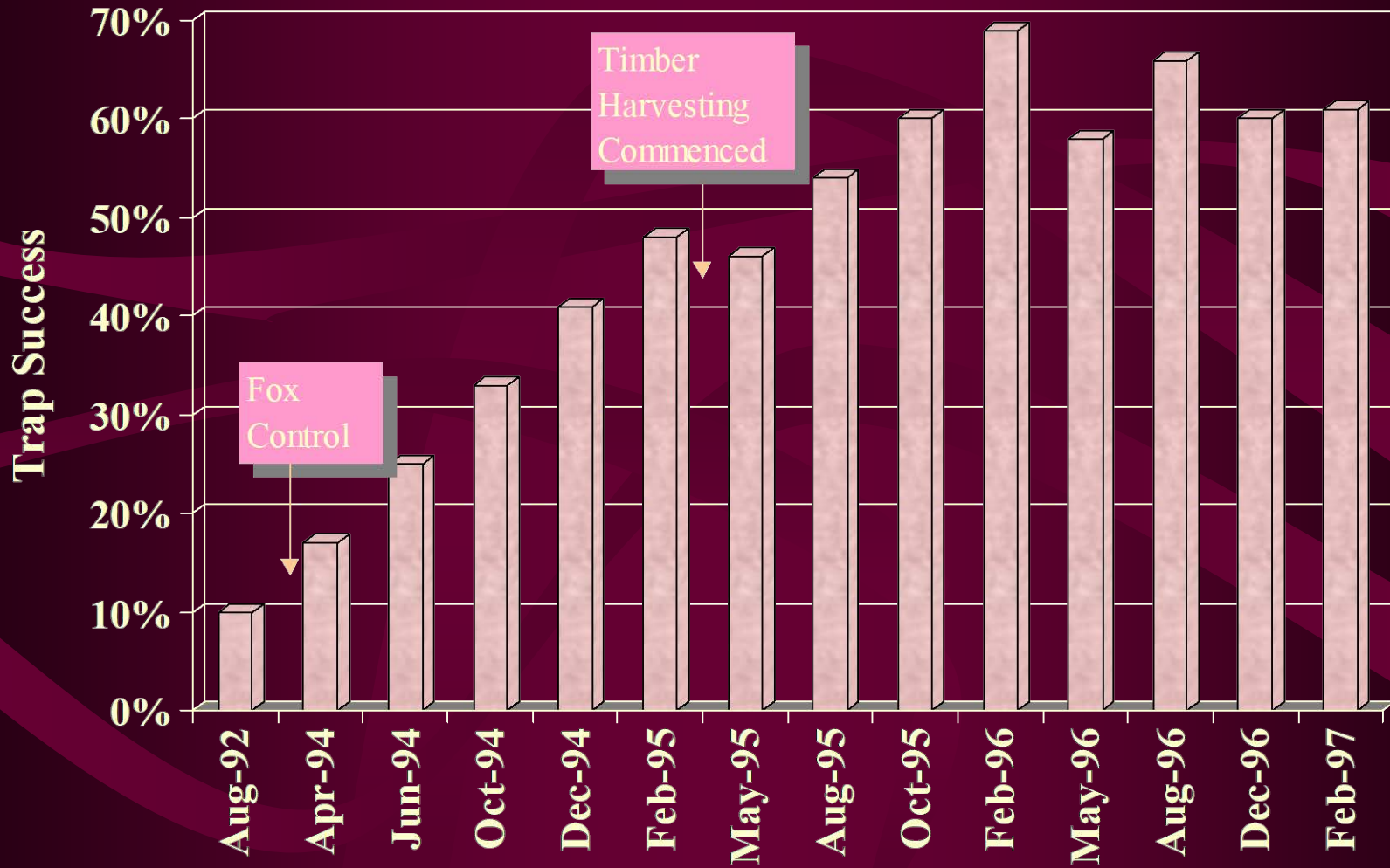
Tutanning Nature Reserve Annex Tamar Wallaby Sightings (Standardised Spotlight Traverses)



Project Eden - Small Mammal Trap Success on Peron Peninsula



The Effect of Timber Harvesting on Mammal Populations in the Jarrah Forest



Western Shield Operation



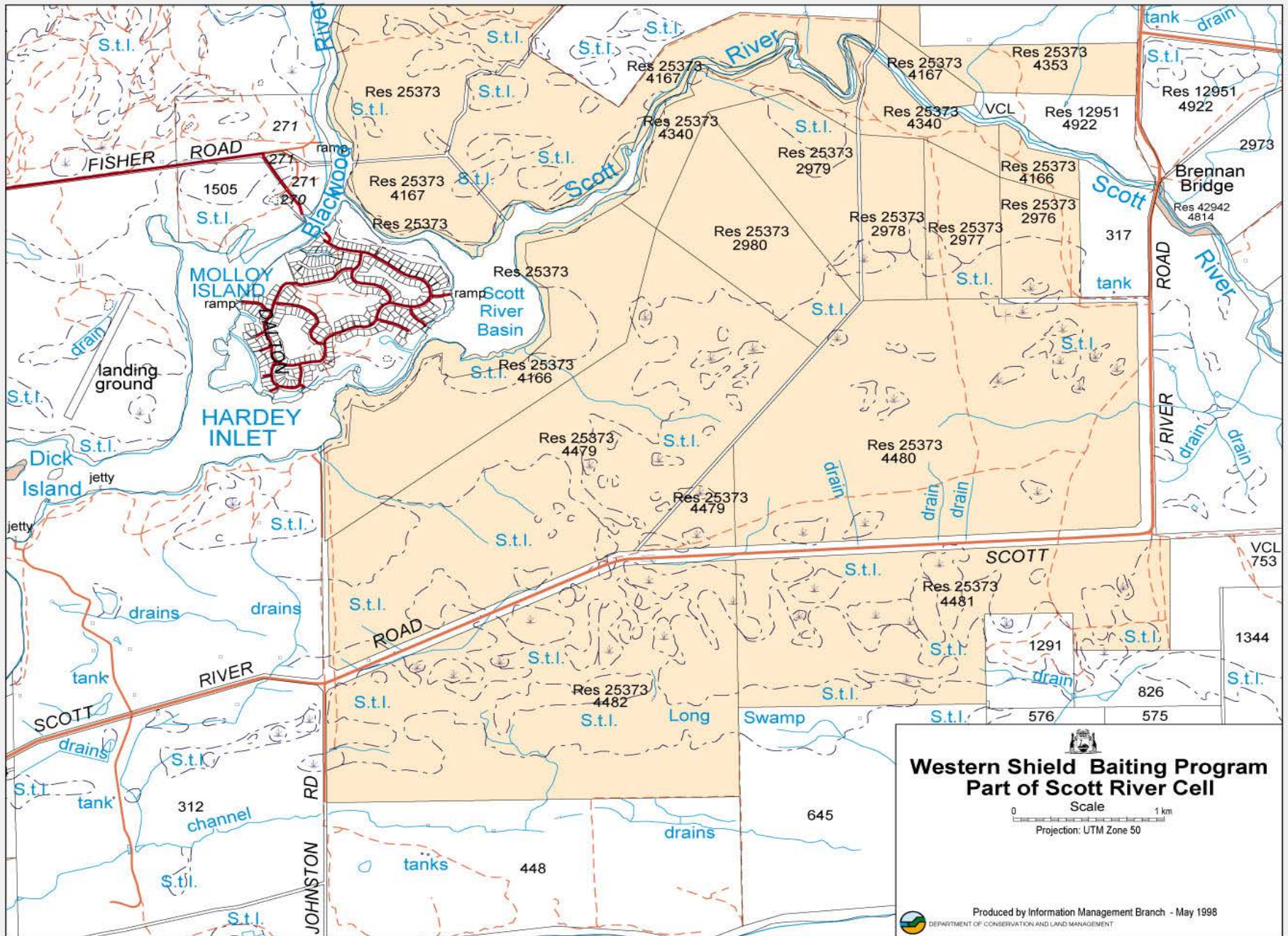









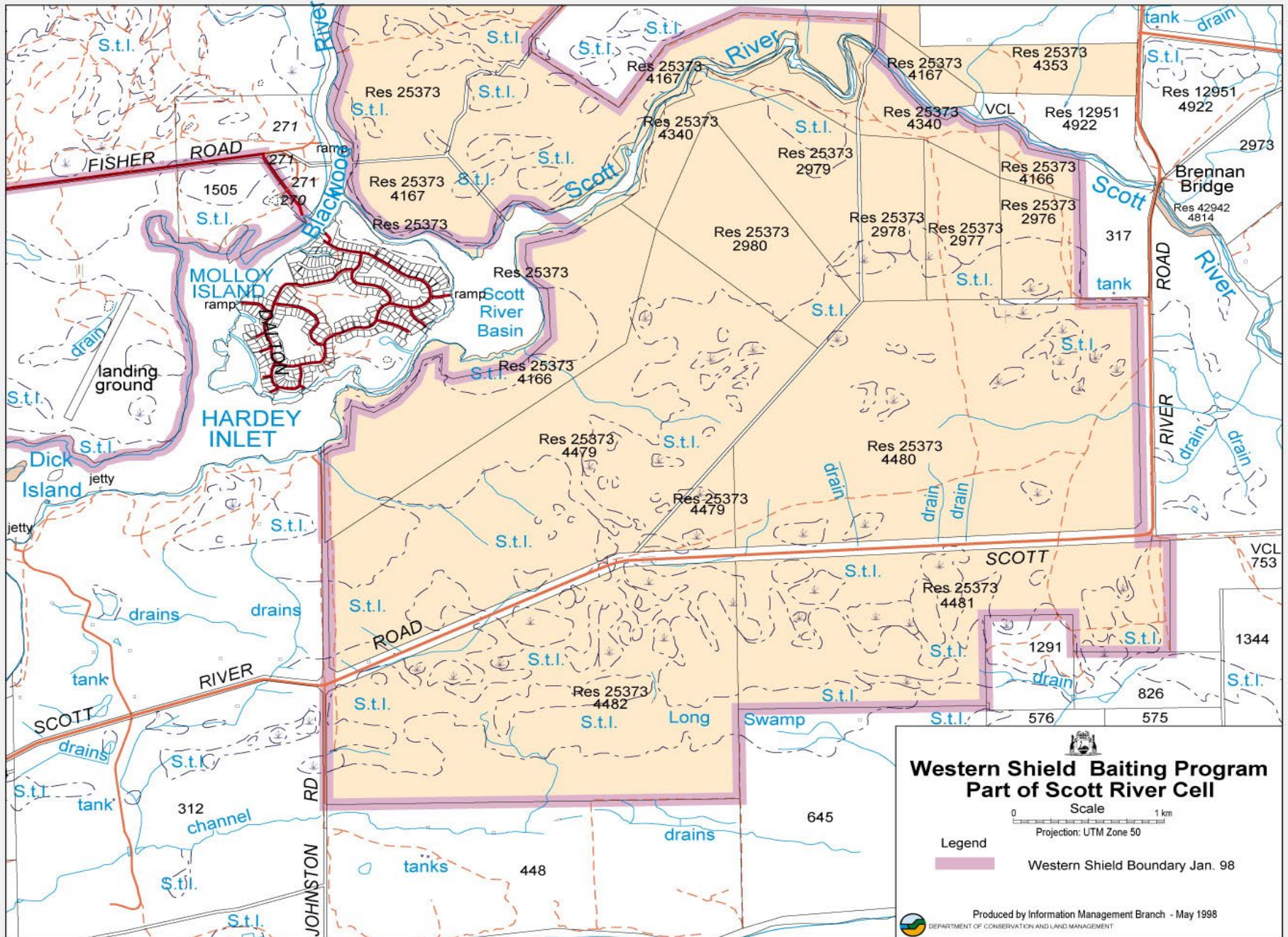






Western Shield Baiting Program
Part of Scott River Cell

0 1 km
 Scale
 Projection: UTM Zone 50

Produced by Information Management Branch - May 1998
 DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

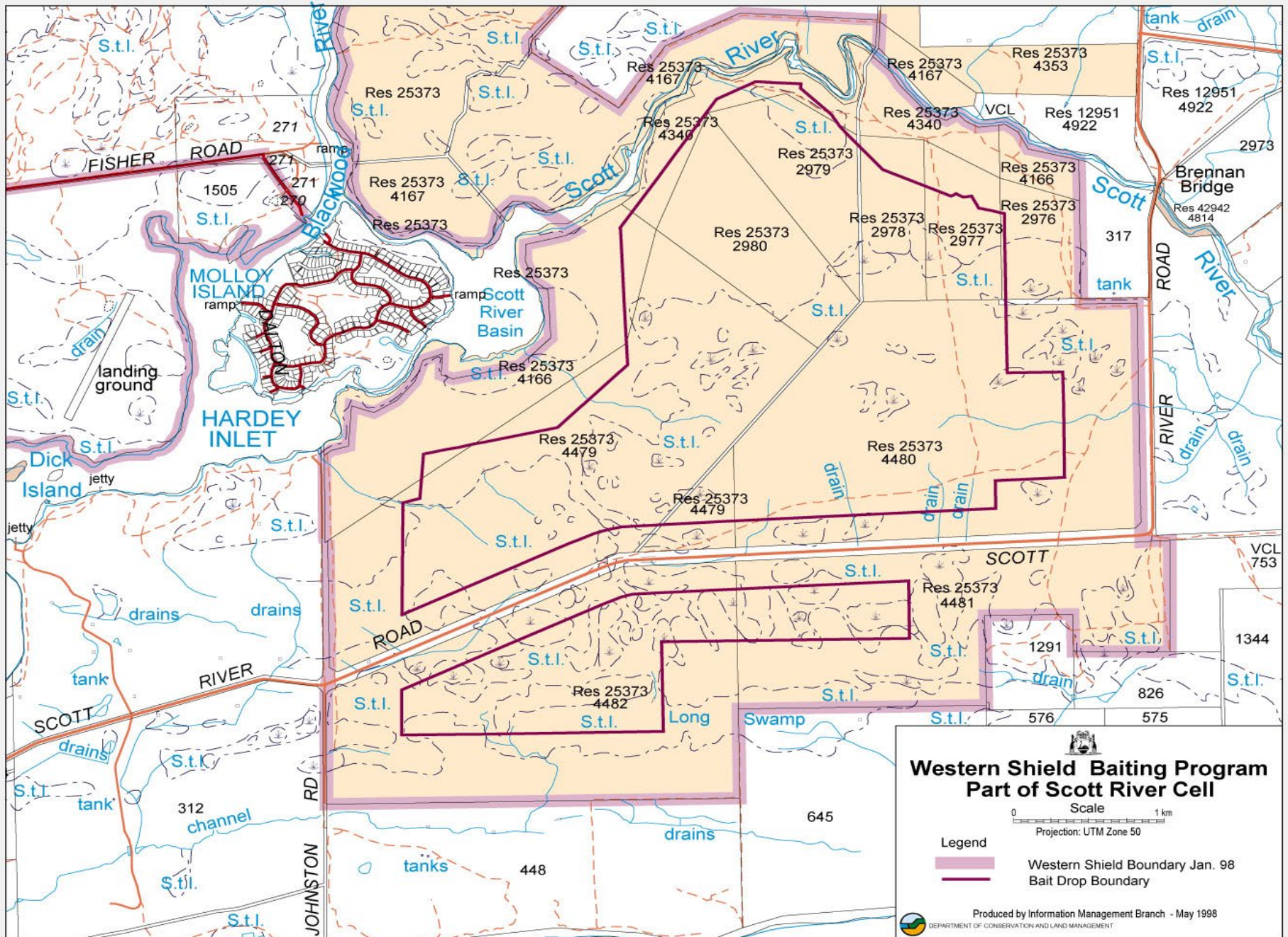


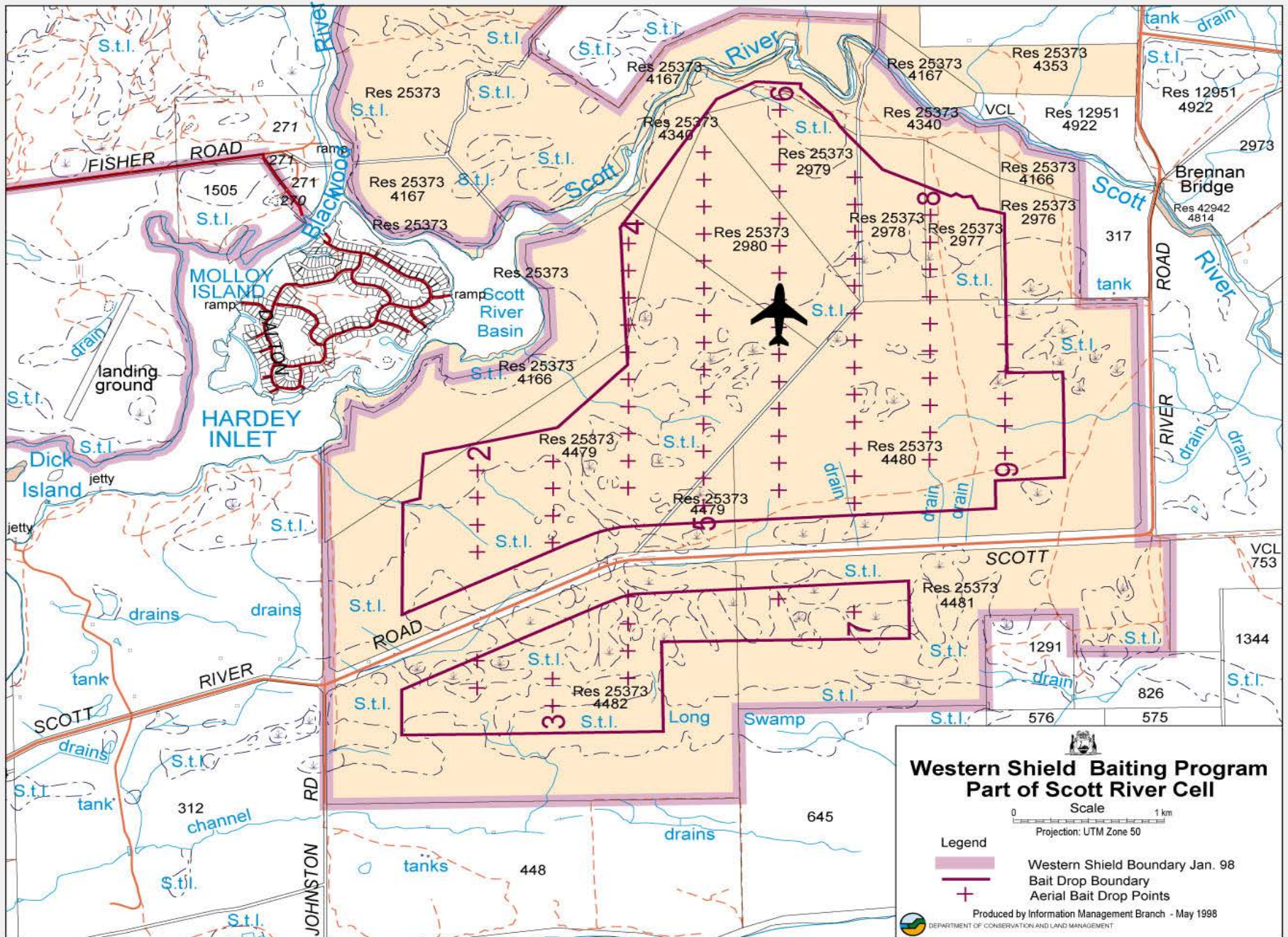

Western Shield Baiting Program
Part of Scott River Cell

Scale 0 1 km
 Projection: UTM Zone 50

Legend
 Western Shield Boundary Jan. 98

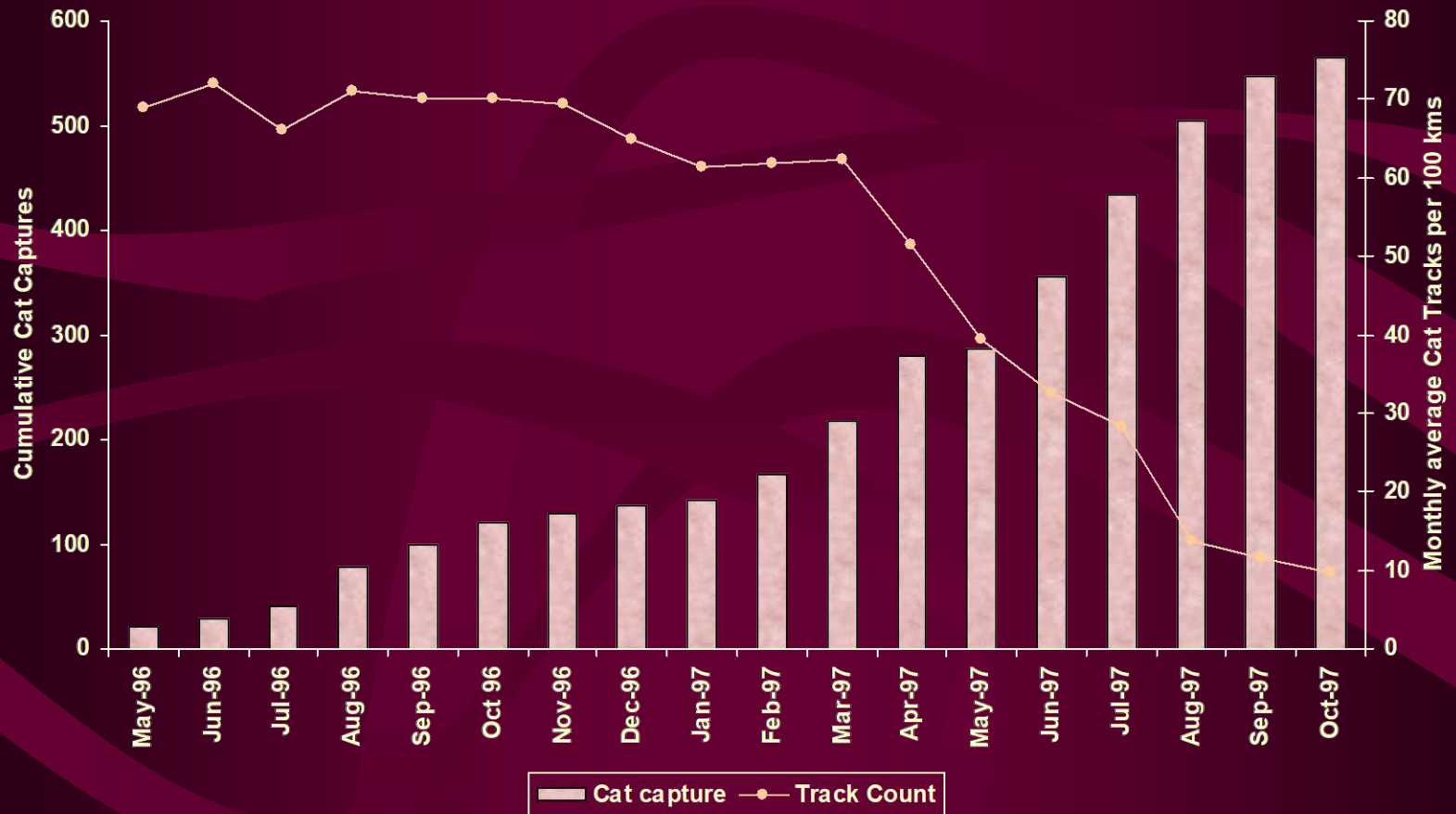
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Comparison between Cumulative Cats Captured and Monthly Average Cat Track Counts

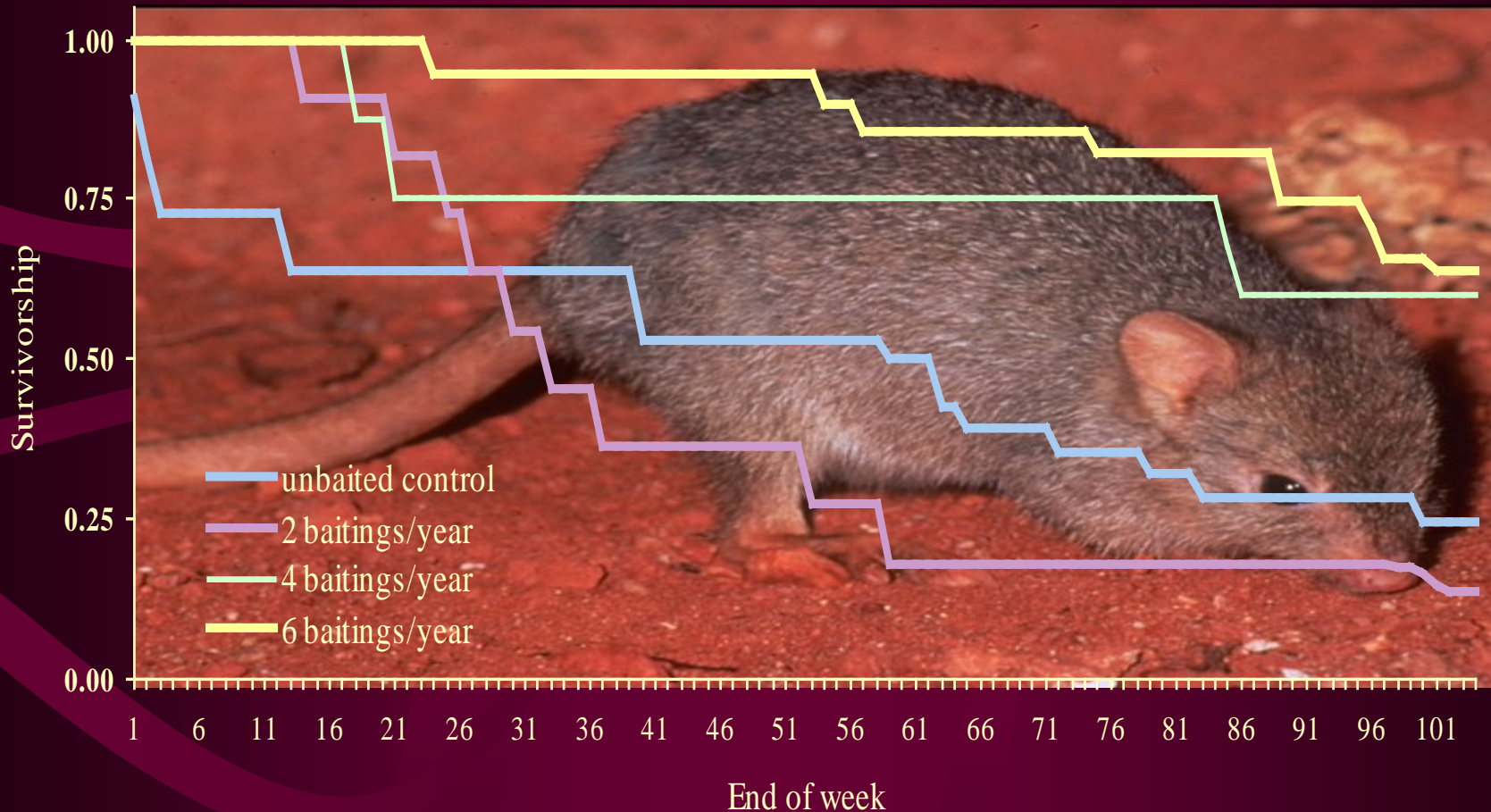


Note: Cat Tracks Above 60 Tracks per 100 kms are difficult to physically estimate

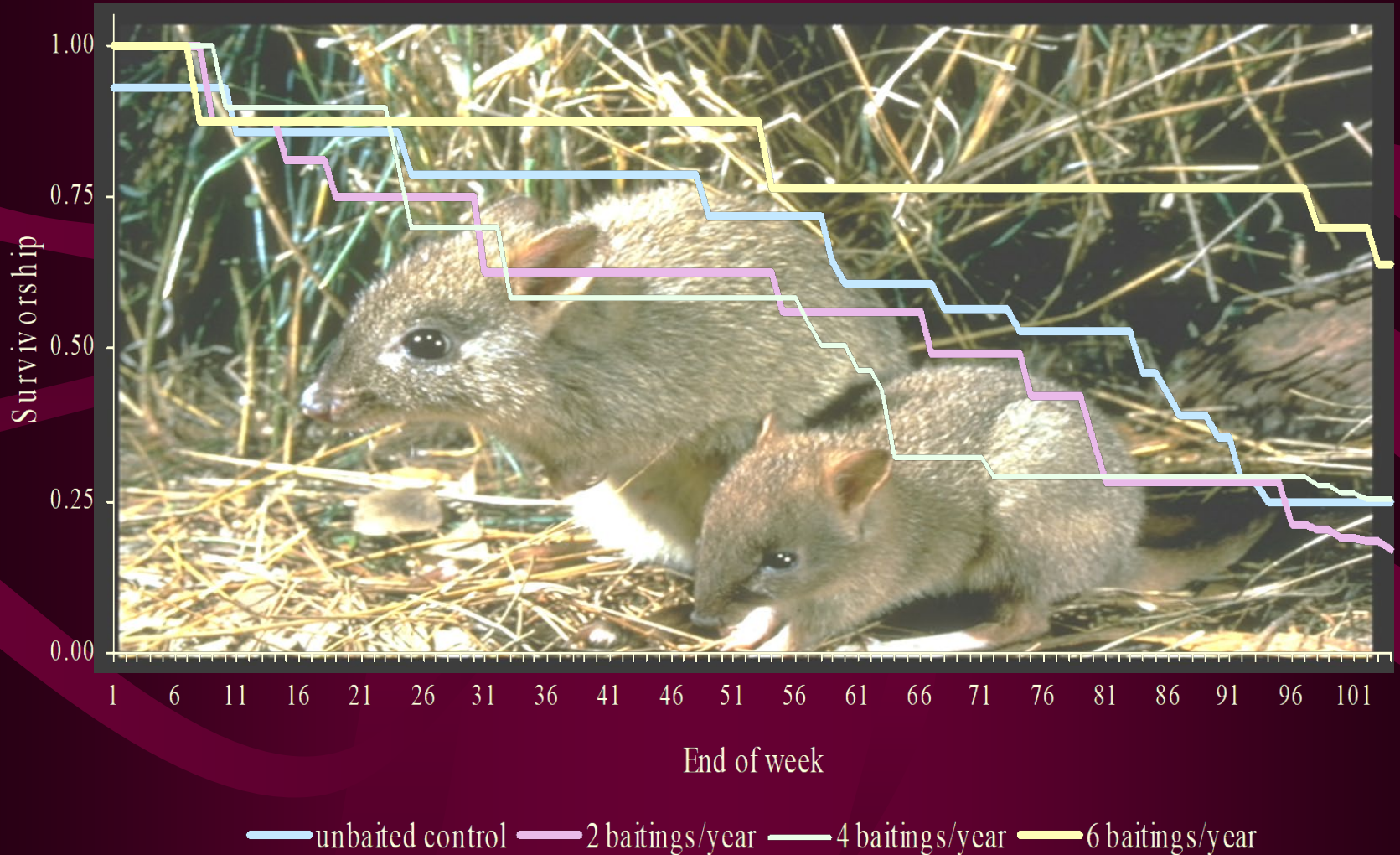
Fox Control Treatments in the Northern Jarrah Forest (Operation Foxglove)

Treatment	Area (ha)
2 baitings per year	221 400
4 baitings per year	130 400
6 baitings per year	88 600
Unbaited control	103 500

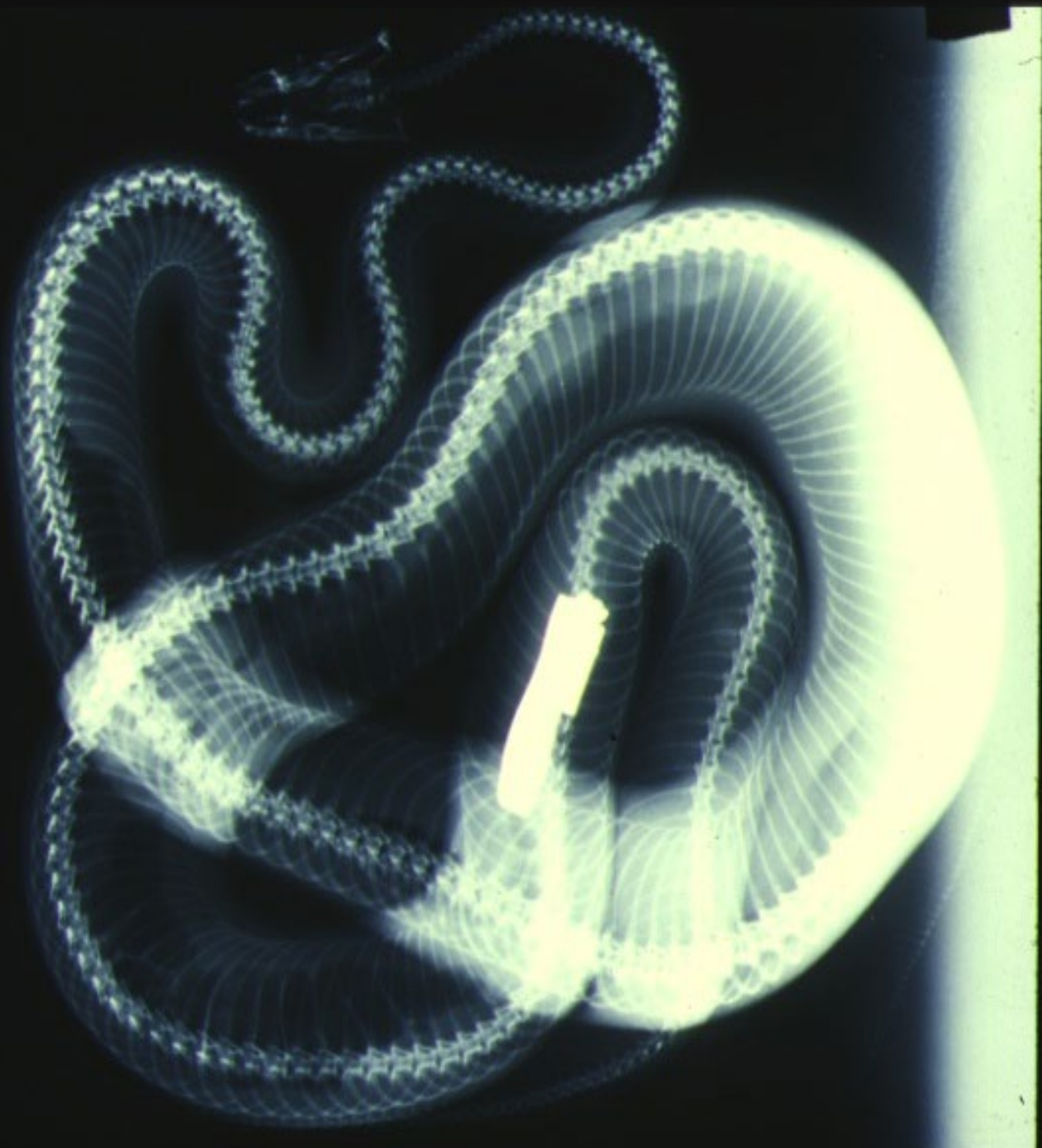
Woylie survivorship, core sites (more than 5km from agricultural land) 1 January 1996 - 29 December 1997



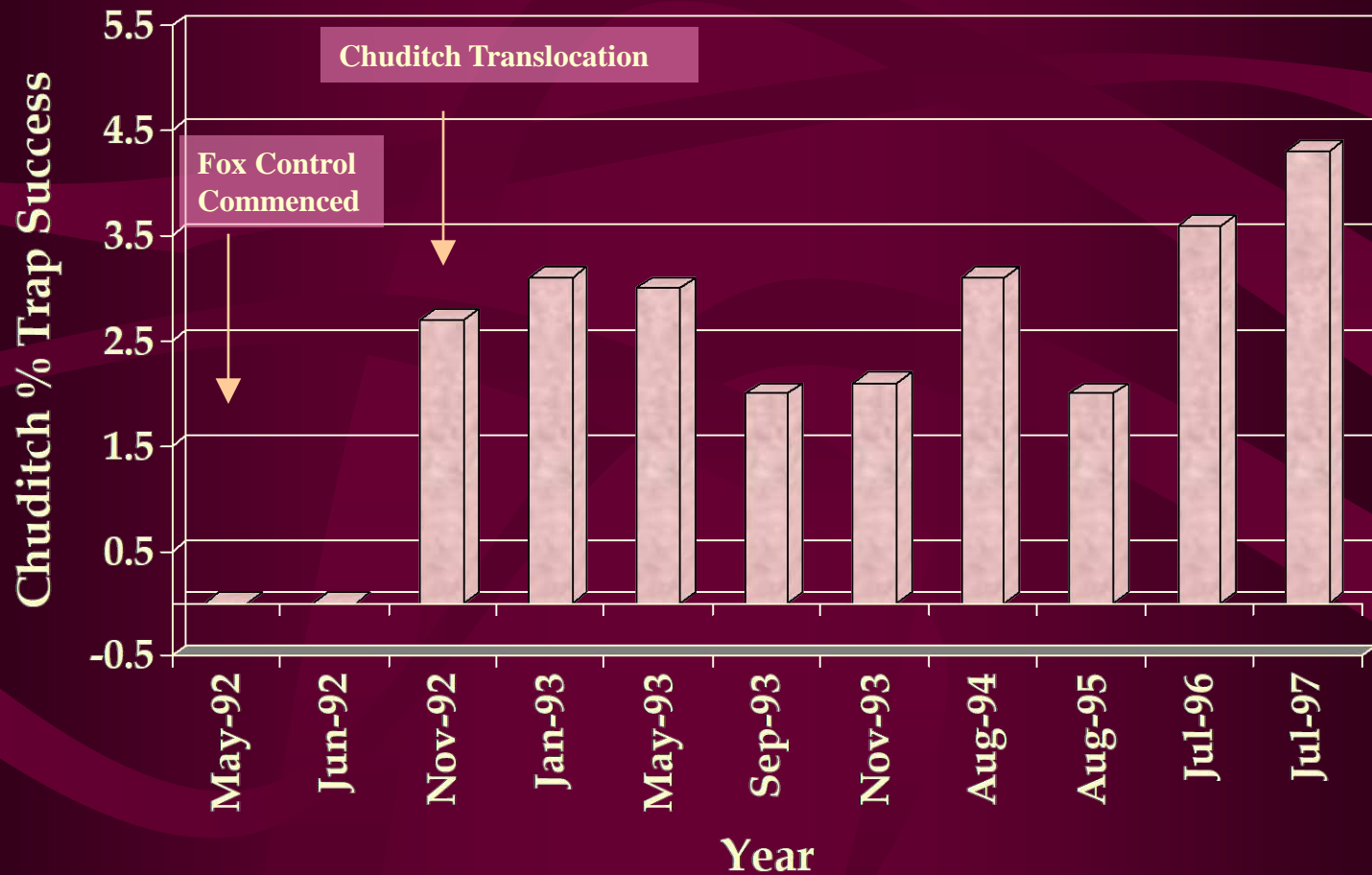
**Woylie survivorship, perimeter sites
(at interface with agricultural land)
1 January 1996 - 29 December 1997**



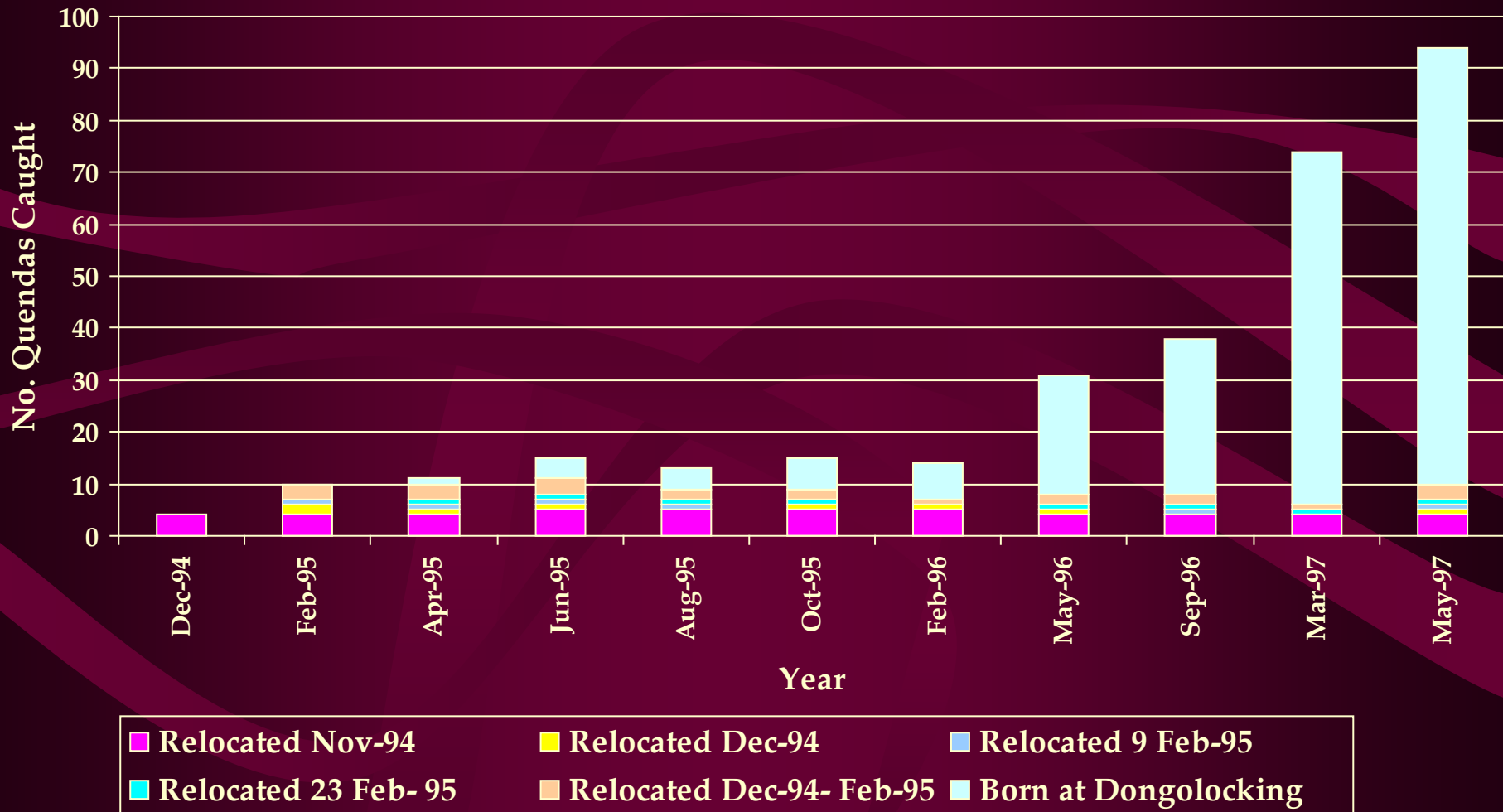




Chuditch Recovery - Translocation to Julimar Conservation Park



Quendas caught at Dongolocking Translocated Population







Introducing the Small Twelve















CALM's "Bush Book" series



Dryandra takes to the airways





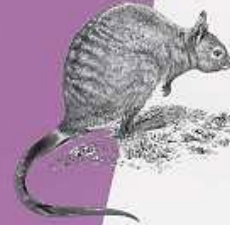




Western Shield Action Pack

western
shield

Activities on Threatened Species for Upper Primary School






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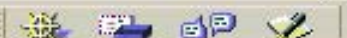
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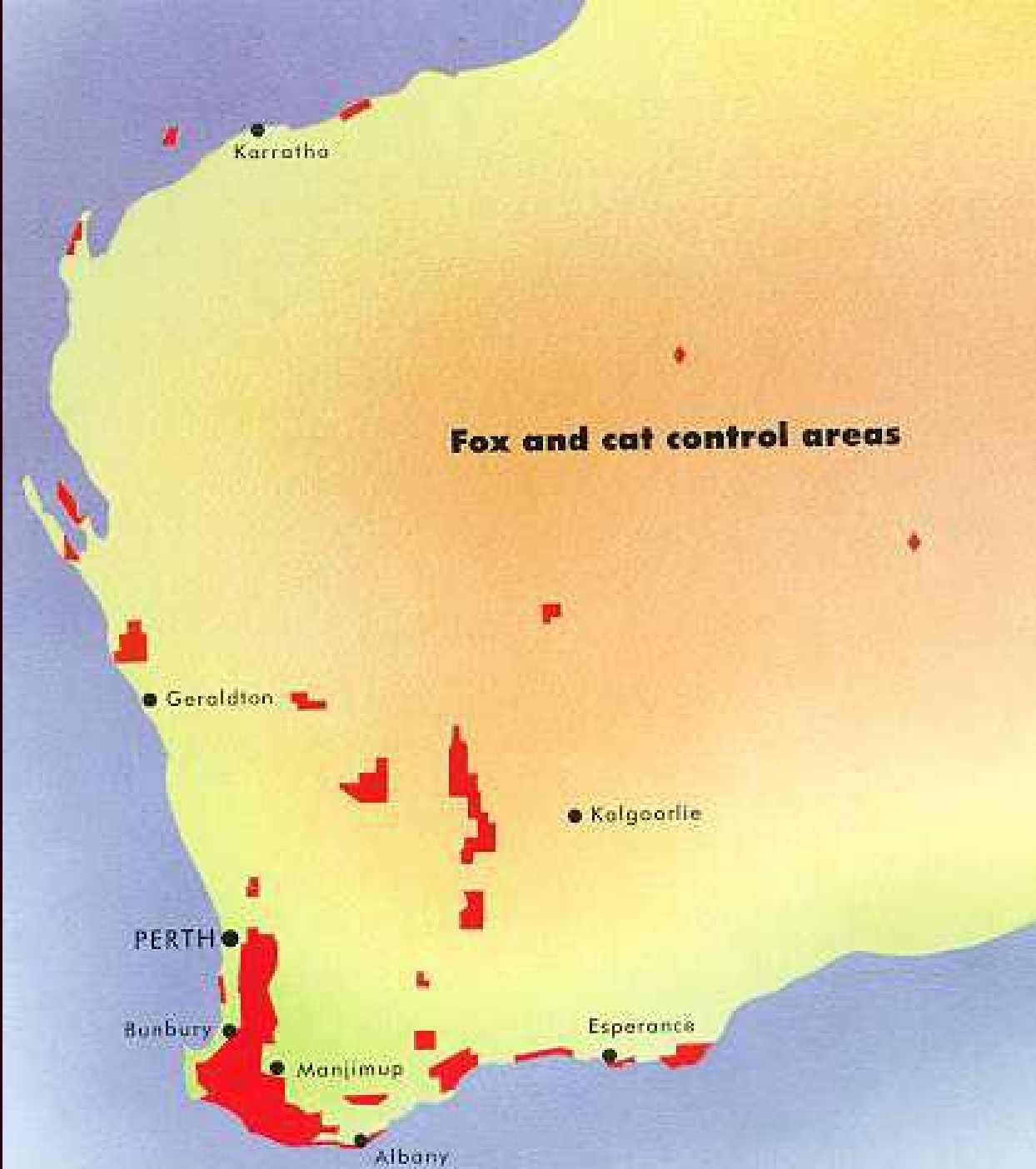


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Western Shield Operation

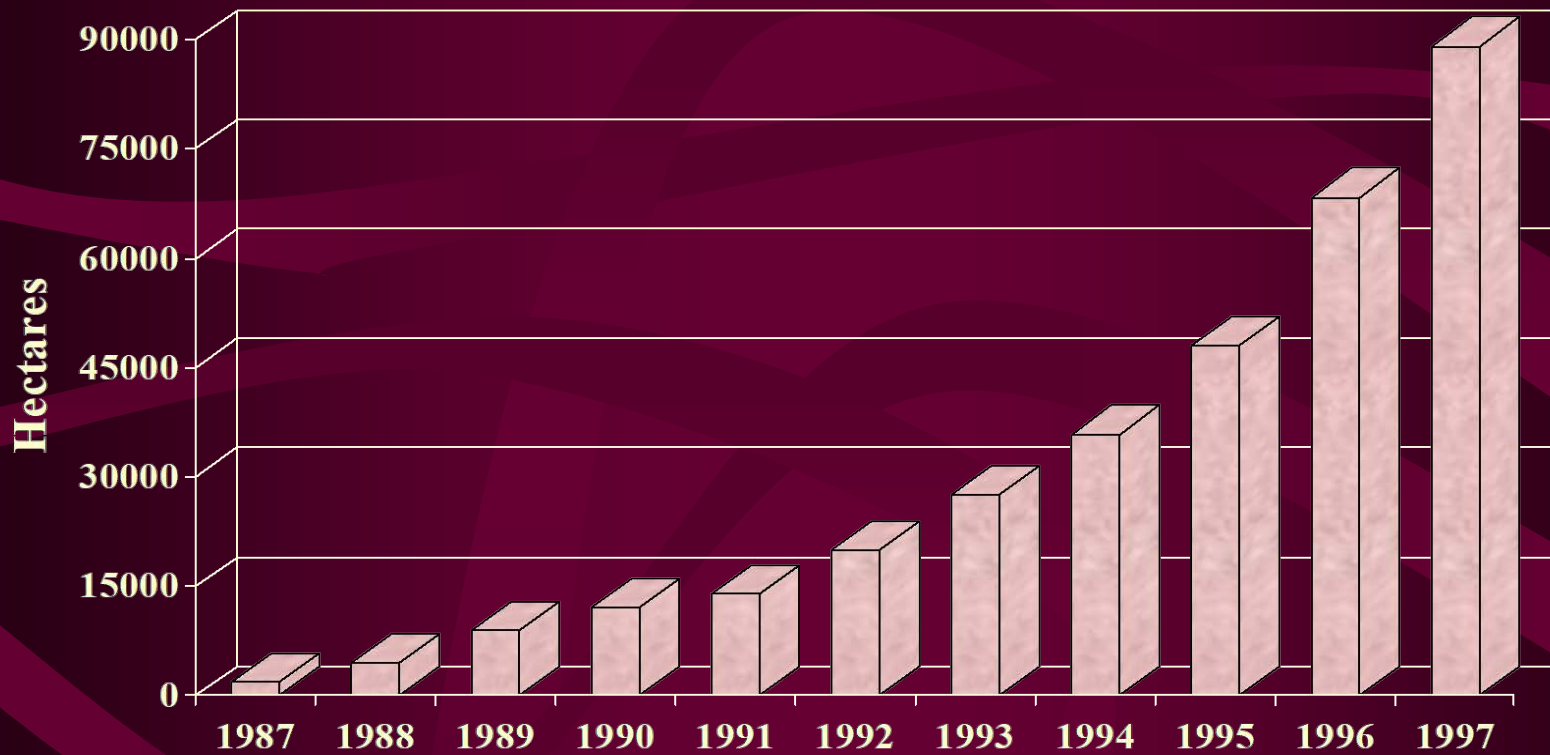








Total area of *E. globulus* in WA



Predicted Growth of Tree Crop Plantings in Western Australia

