

Virtual Reality in Parks and Recreation

Innovative Approaches to Management using Technology



Address by

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Executive Director

Department of Conservation and Land Management

to

R.A.I.P.R. 70th National Conference

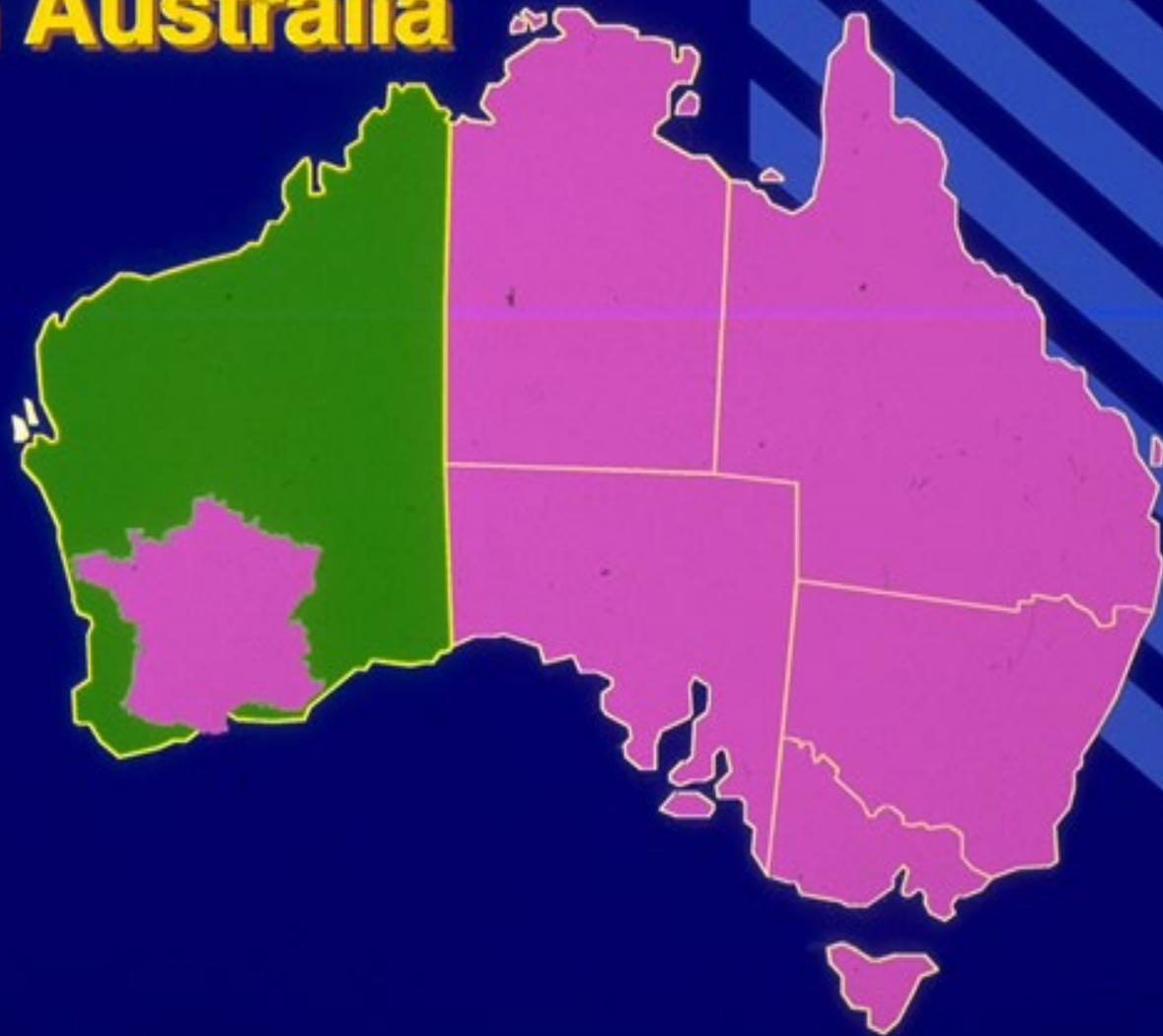
Perth, 3 November 1997



Gizmos



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



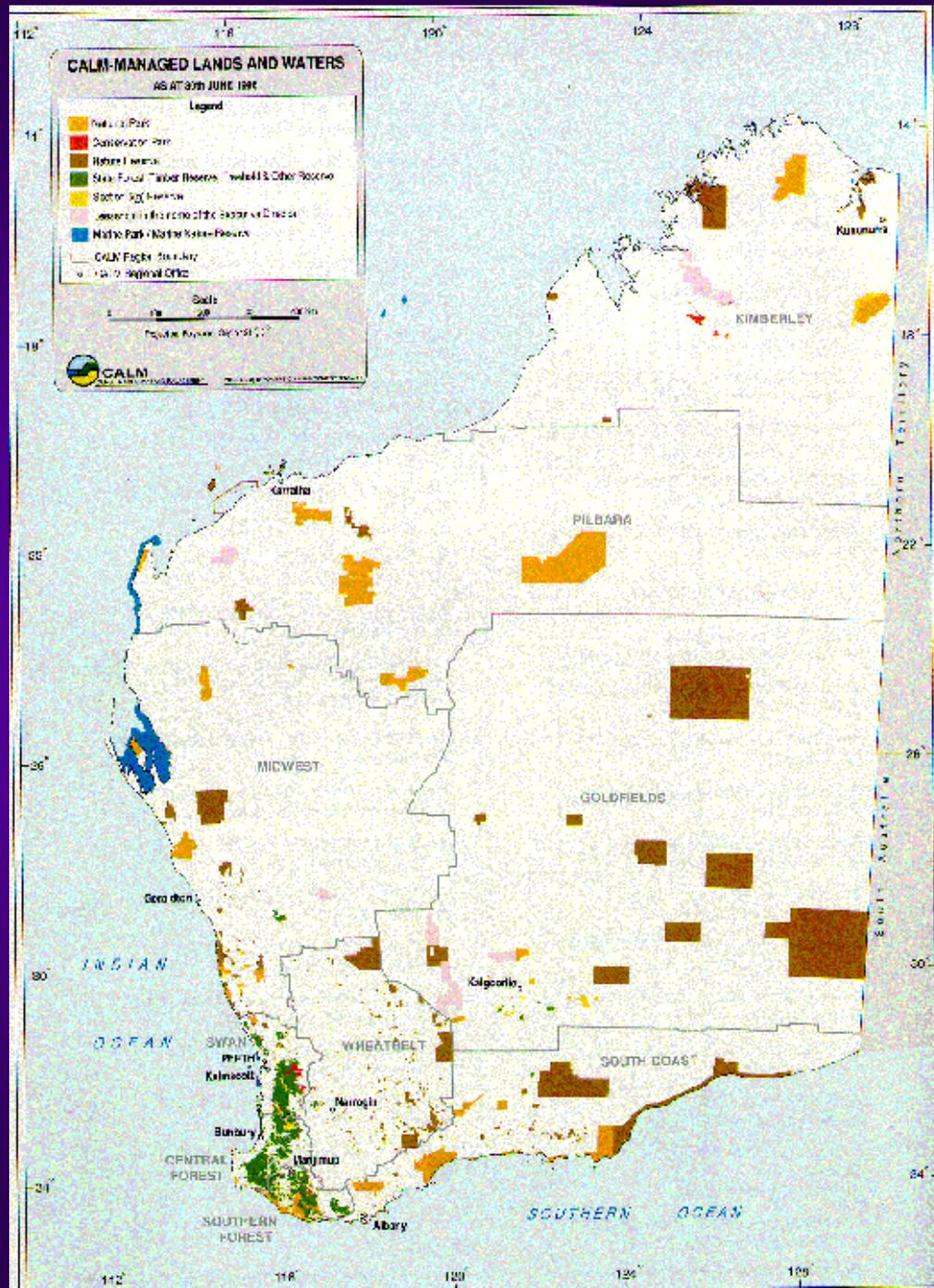
**CALM manages a land area
51% the size of Japan**

51%





CALM managed lands and waters































In 1994, a National Newspannoll of 1200 Australians found that:

- 53% of respondents were likely to seek a nature-based tourism experience in the next 12 months
- the reason that nature-based tourism is so important is because the activities being experienced occur in nature and do not damage the environment



*Management is the
answer*

Integration



The community owns the land but
there are many constituencies





SUSTAINABILITY



Why nature-based tourism needs conservation

- If we destroy the natural asset there is no product
- Conservation can create unique natural products
- Conservation can add value to the nature-based tourism experience
- Marketing



Why conservation needs nature-based tourism

- Nature-based tourism educates the community about what is worthwhile conserving
- Nature-based tourism causes our landscapes, plants and animals to have a tangible value
- Nature-based tourism increases the number of constituencies who depend on, and hence support conservation
- Nature-based tourism generates funds for research and management



The challenge is to manage effectively and creatively with finite resources

- A key component is the use of technology





Location: <http://www.calm.wa.gov.au/>

[What's New?](#) [What's Cool?](#) [Handbook](#) [Net Search](#) [Net Directory](#) [Software](#)

NatureBase

 Department of Conservation and Land Management Online



ABOUT CALM



NEW PROJECTS



LATEST NEWS



BOOKSHOP



FOREST FACTS



NATIONAL PARKS



NATURE-BASED
TOURISM



LANDSCAPE
ONLINE



FOR SCHOOLS



VISITOR
REGISTRATION



SEARCH



MAILBOX



Location: http://www.calm.wa.gov.au/national_parks/index.html

- [What's New?](#)
- [What's Cool?](#)
- [Handbook](#)
- [Net Search](#)
- [Net Directory](#)
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NatureBase

National Parks

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- [HOME](#)
- [VISITOR REGISTRATION](#)

National Parks and Other Places

Western Australia is a vast State covering 250 million hectares of some of the most ancient landscapes in the world. This includes rugged gorges, tropical reefs, towering forests, woodlands, white beaches and 7,000 kilometres of coastline.



Western Australia boasts one of the most diverse groups of plants found anywhere, from giant karri trees to underground orchids to brightly coloured wildflowers. It's estimated that Western Australia also has nearly 3,000 native species of animals and birds and fish—and many more insects.

Whether travelling the ancient and varied terrain of the Kimberley to the towering forests of the south-west, from the unique coral reefs off our coast to the endless red plains and dunes of our arid heartland, visitors find an amazing array of outdoor experiences and enjoyable holidays.



Location: http://www.calm.wa.gov.au/national_parks/park_month.html

What's New? What's Cool? Handbook Net Search Net Directory Software

- NEW PROJECTS
- LATEST NEWS
- BOOKSHOP
- FOREST FACTS
- NATIONAL PARKS
- NATURE-BASED TOURISM
- LANDSCAPE
- FOR SCHOOLS
- HOME
- VISITOR REGISTRATION
- SEARCH
- MAIL BOX

Park of the Month - September 1996

Ningaloo Marine Park



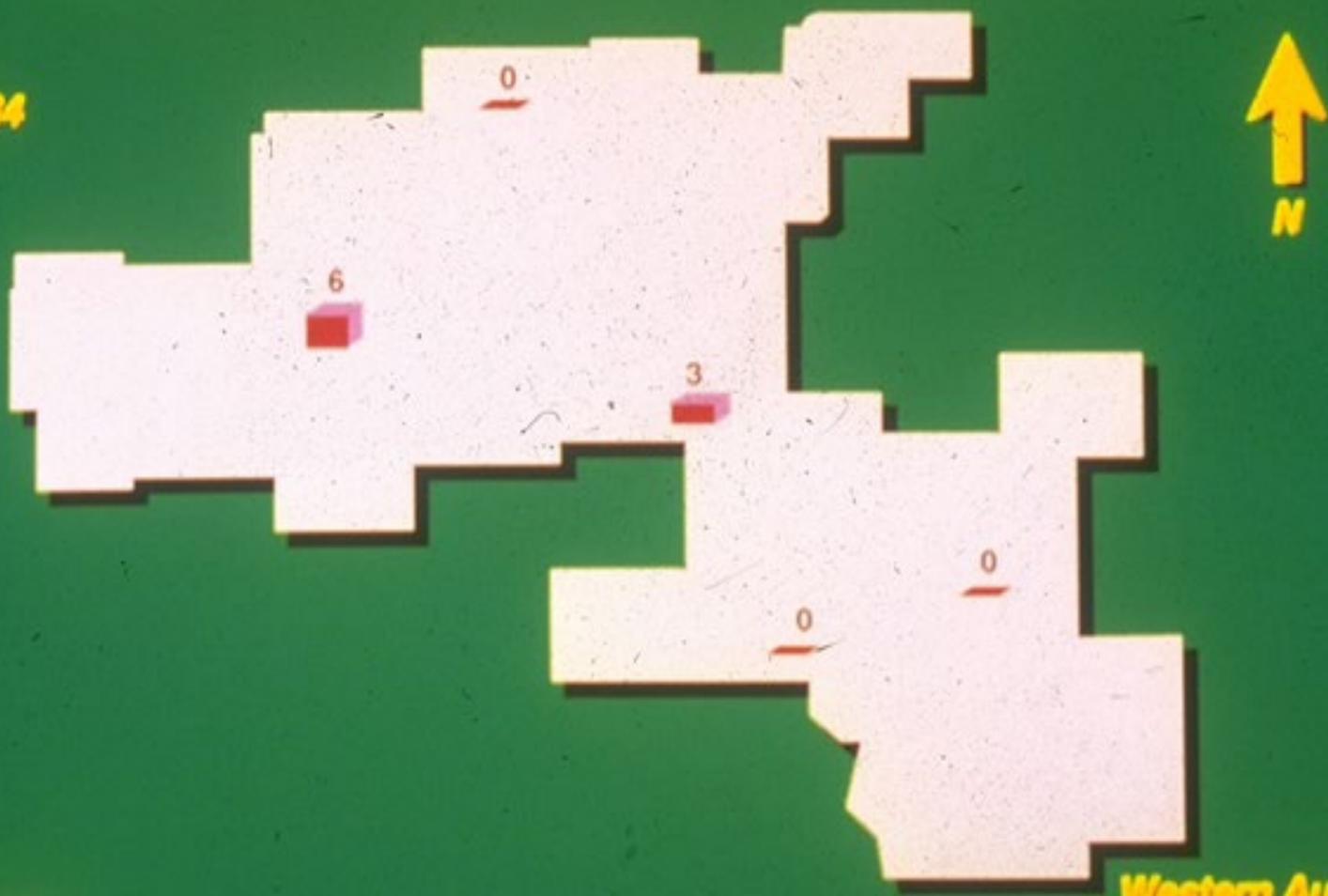




TUTANNING NATURE RESERVE

Bettongia Percentage Capture Rate Pre Fox Control

1984



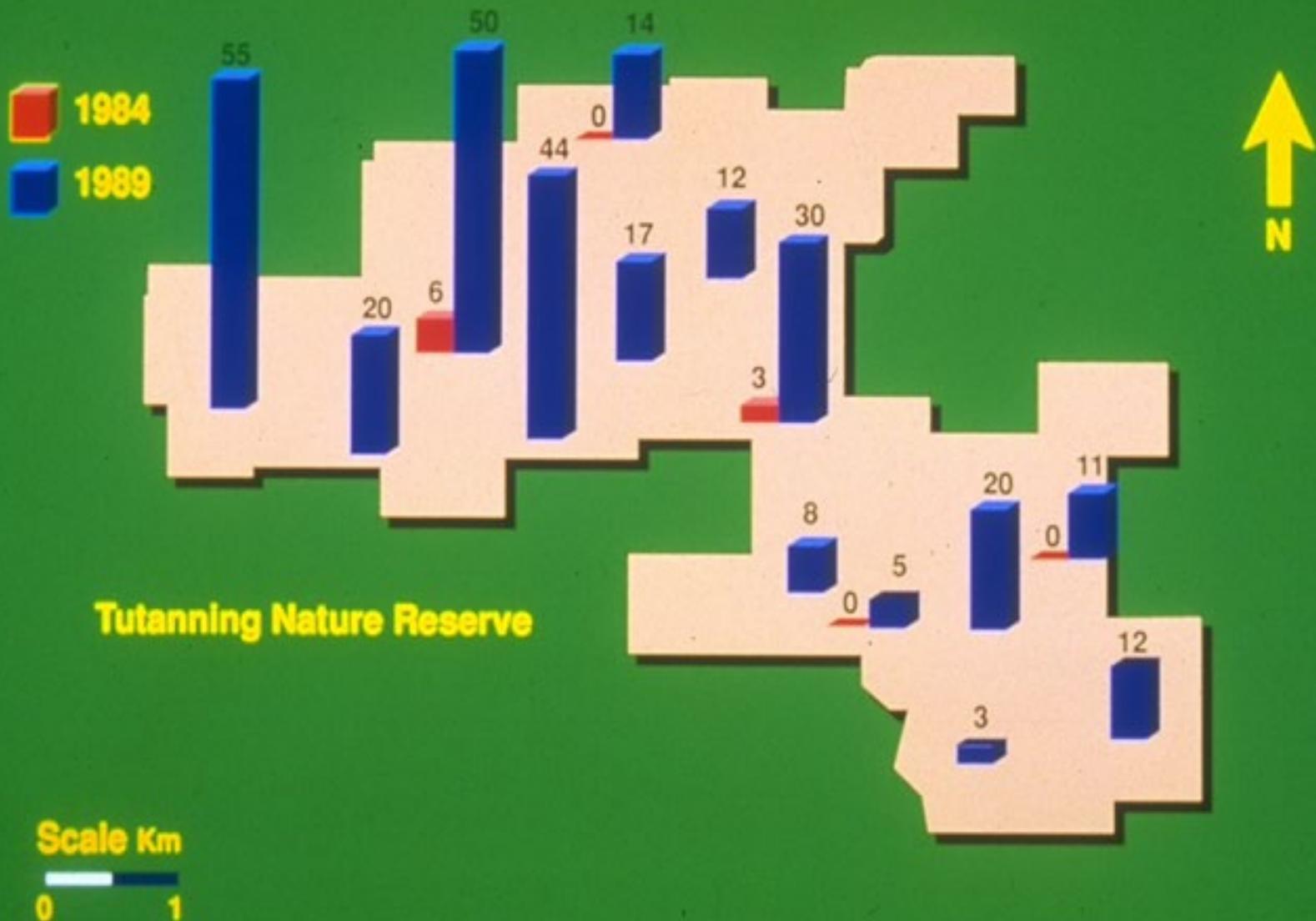
SCALE Km



Western Australia
Conservation and
Land Management

Figure 2

WOYLIE CAPTURE RATE (5 Years of Fox Control)









The impact of fox control on Chuditch at Batalling forest





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Introducing the Small Twelve











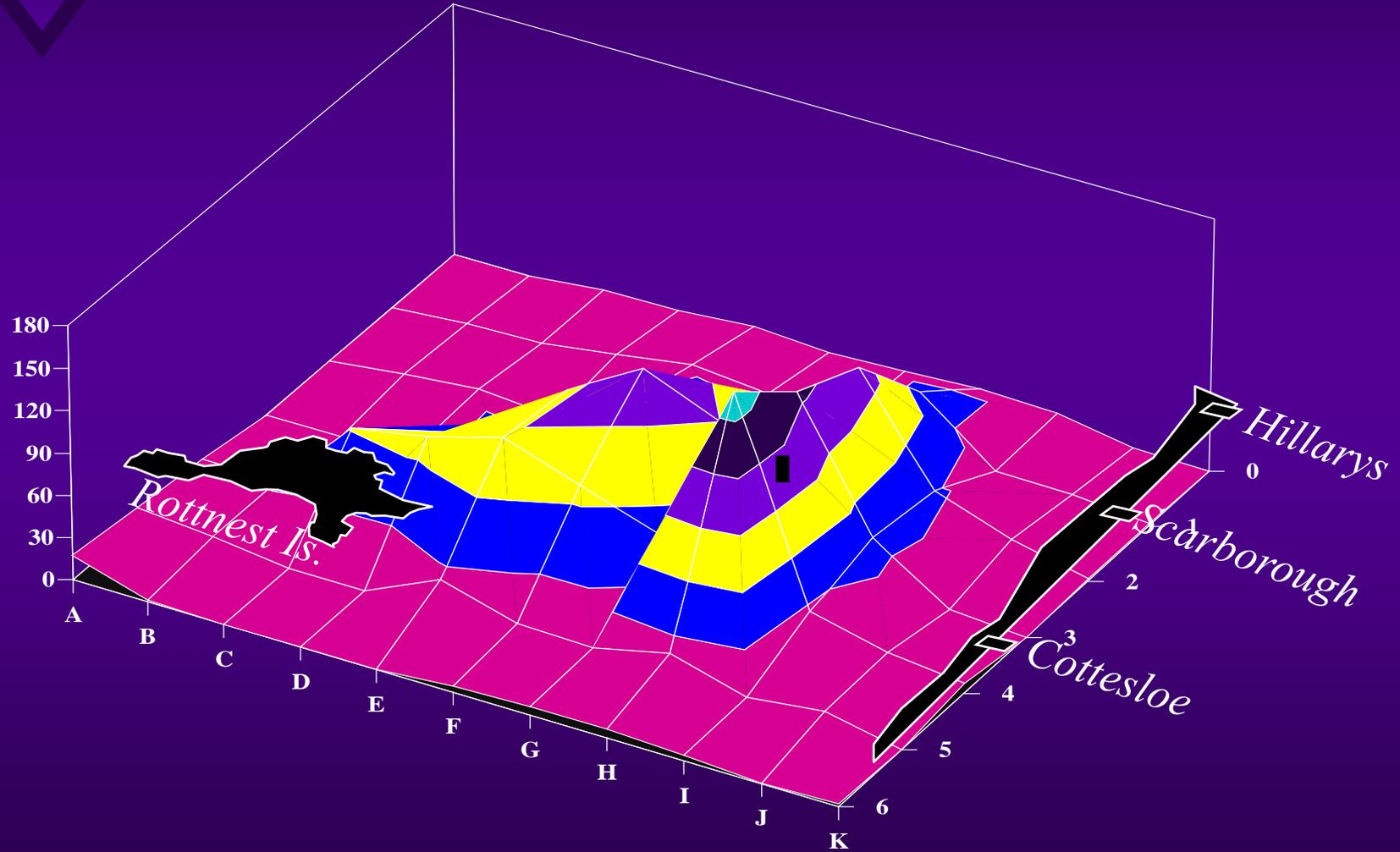








Sightings by Grid Location - 1995



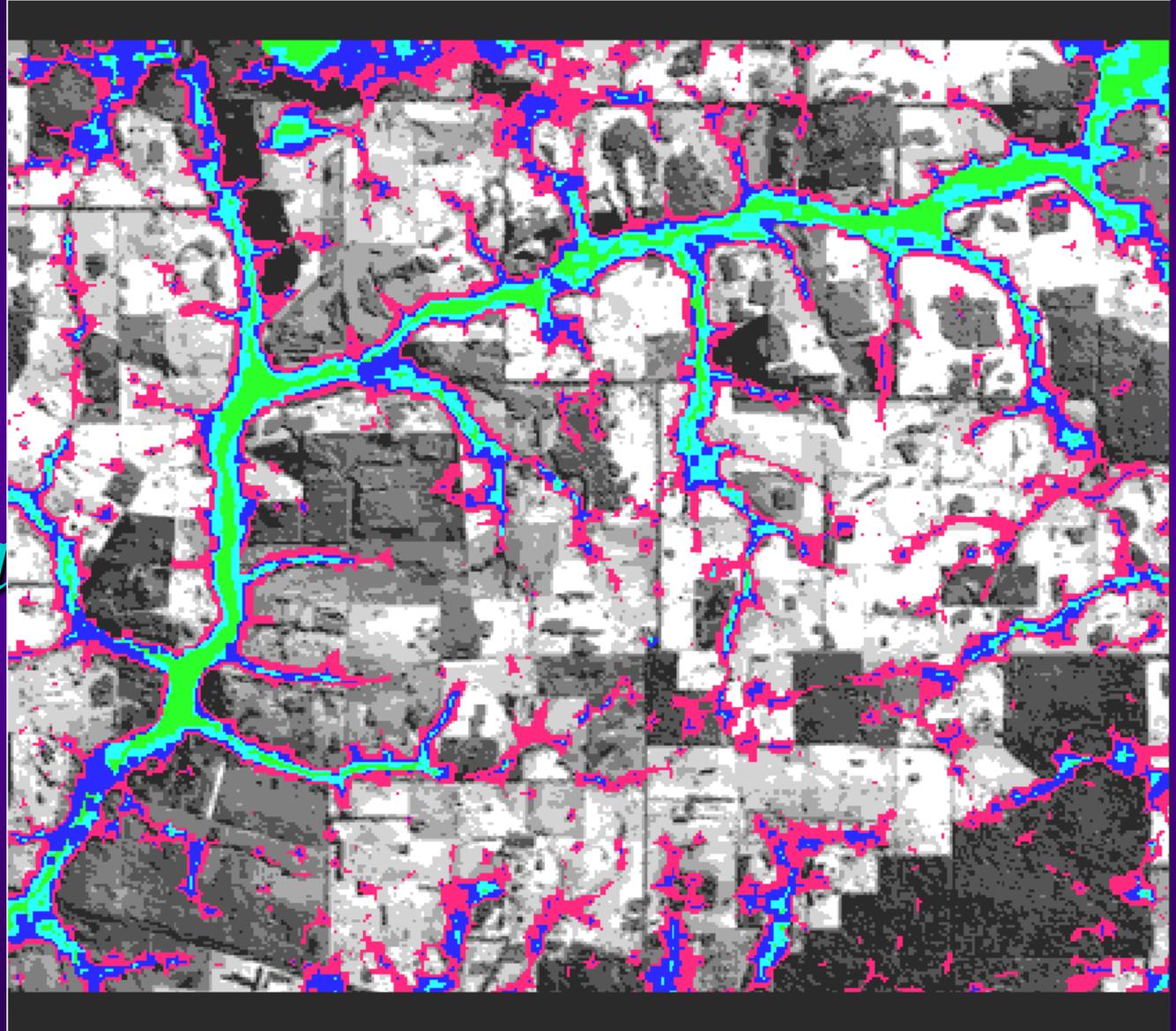


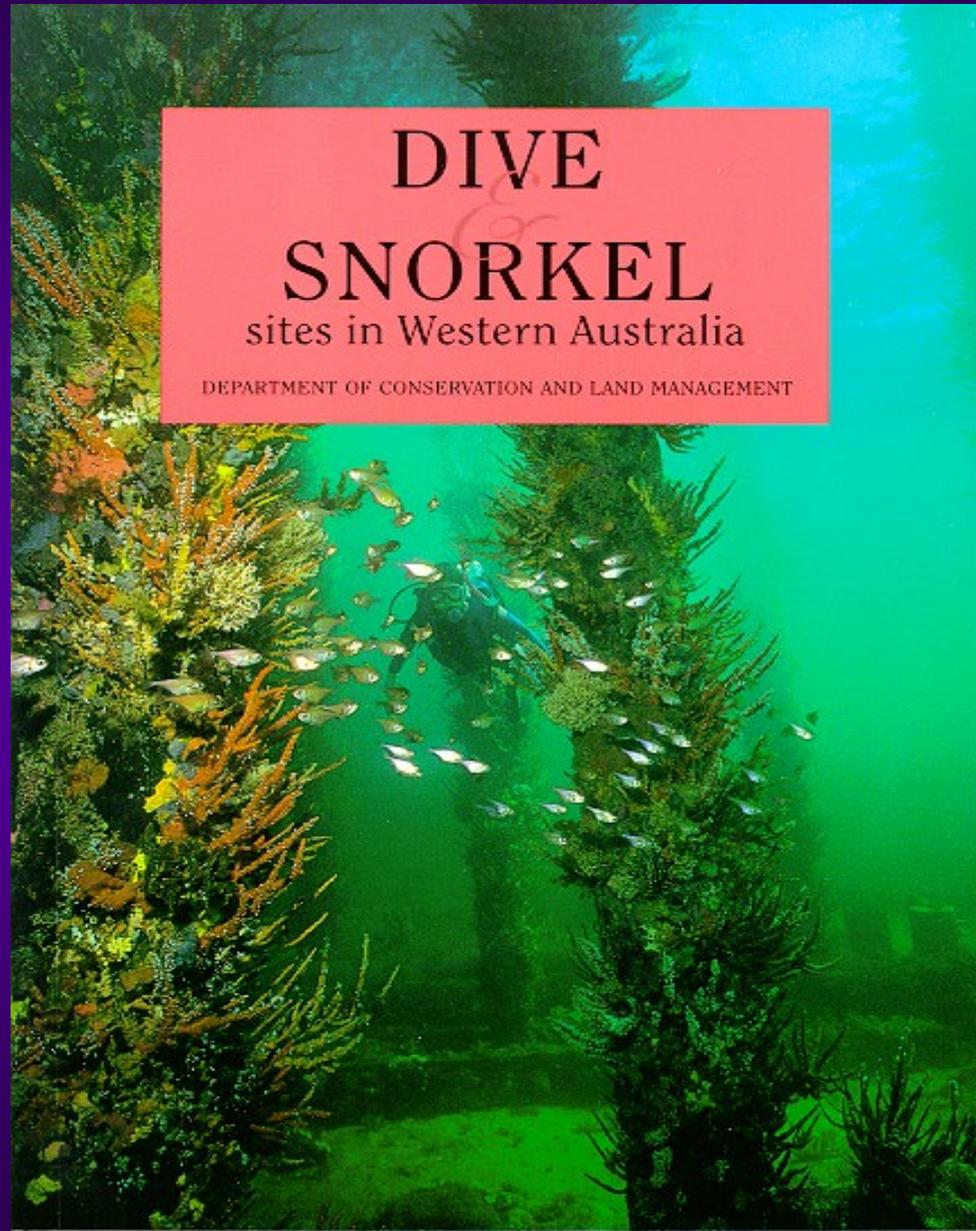
*DNA
technology
and
conservation*





*Satellite
imagery of
salinity*





DIVE & SNORKEL

sites in Western Australia

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

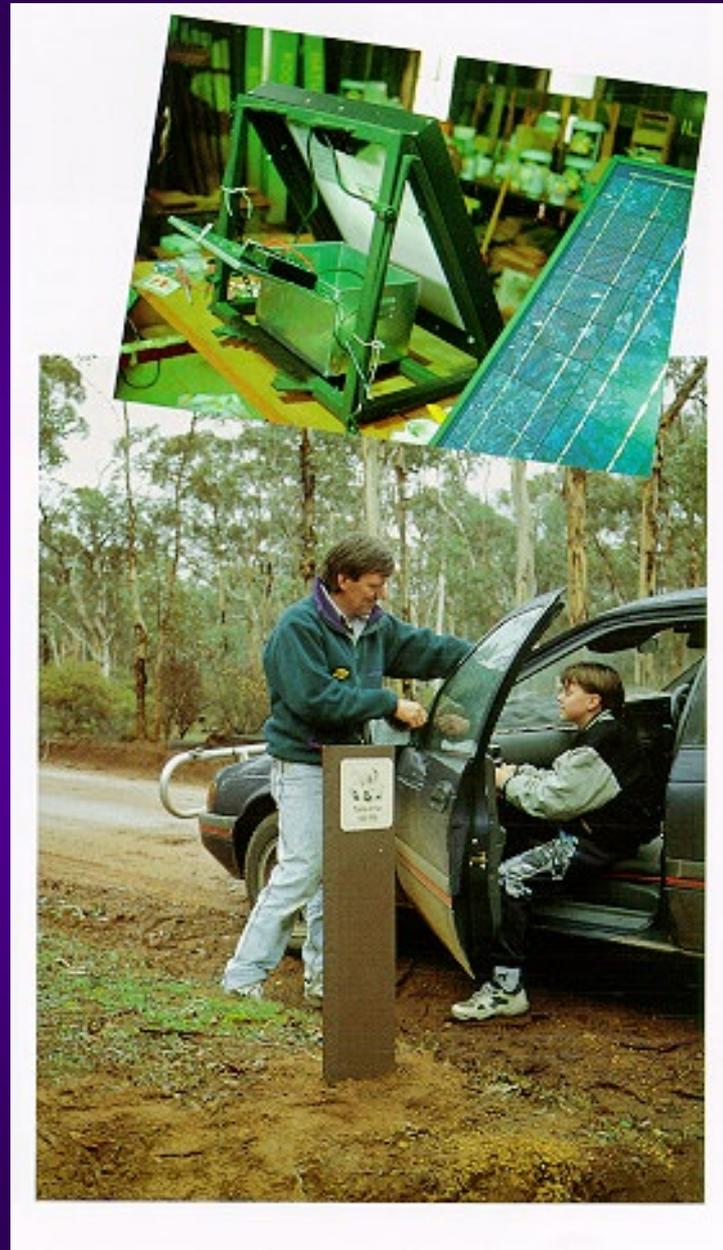


CALM's "Bush Book" series





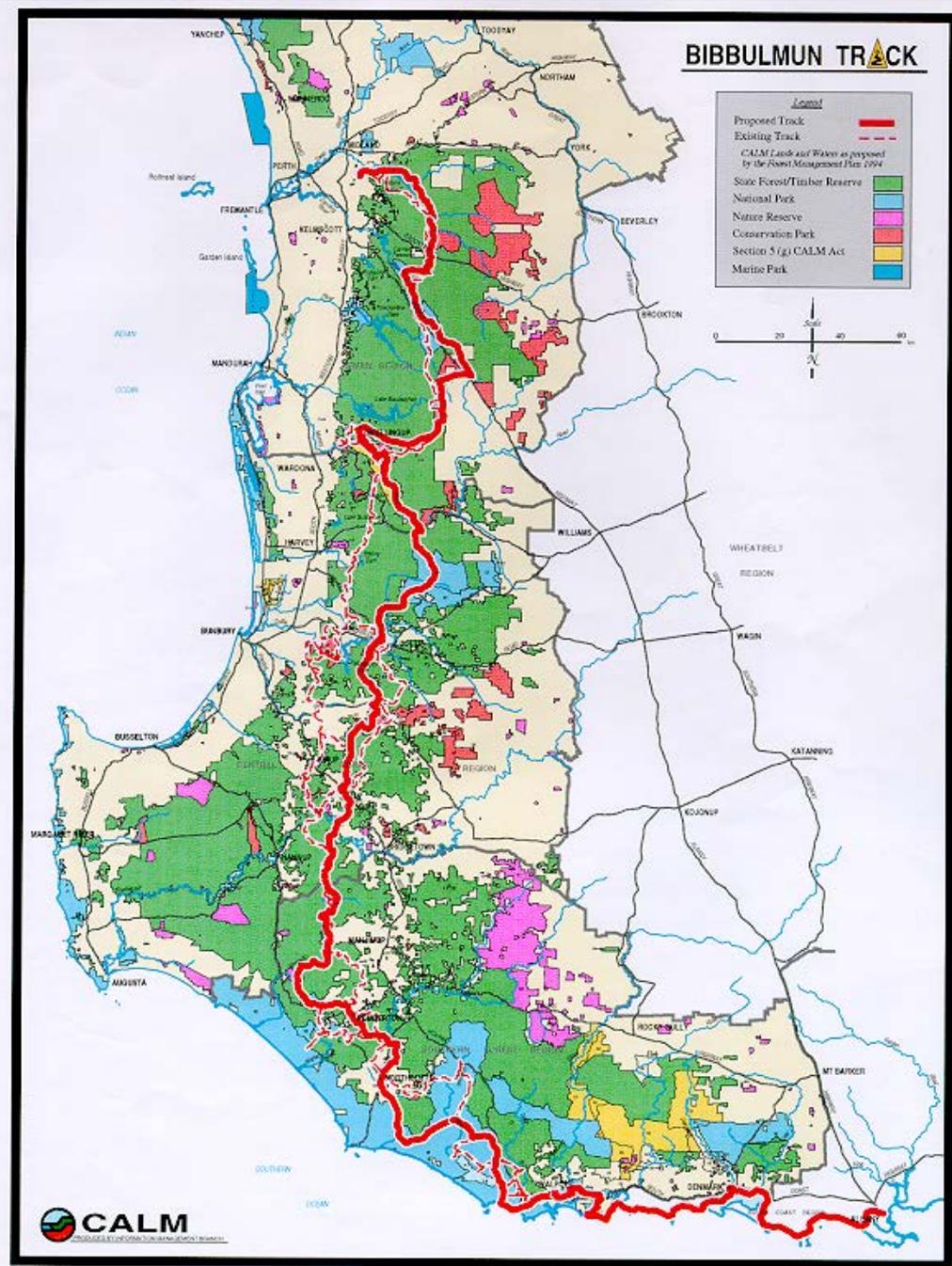
*Dryandra
takes to the
airways*







The Bibbulmun Track





Managing the impacts of visitation









200,000 people have visited the Tree Top Walk
since it opened in September 1996



The Tree-Top Walk covers an
area of 409 m²



7 square metres of land were used to support the Tree
Top Walk



12 months after opening the Tree Top Walk

- Tourist visitors to Walpole have doubled
- Six new accommodation outlets have opened
- A 35-room motel is under construction
- 200,000 people have visited the Walk