

WildCount

fauna monitoring program



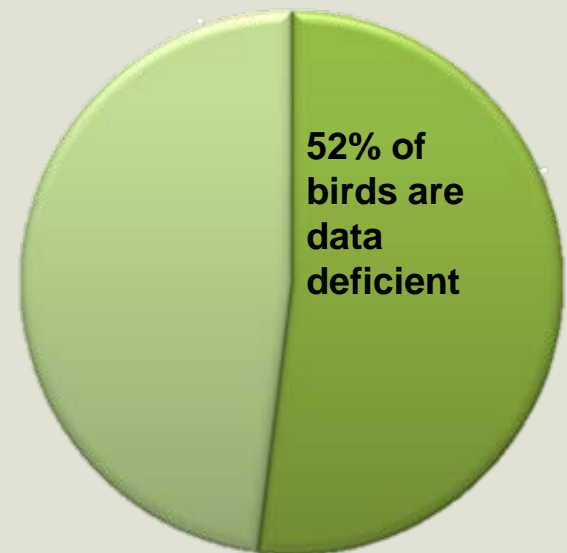
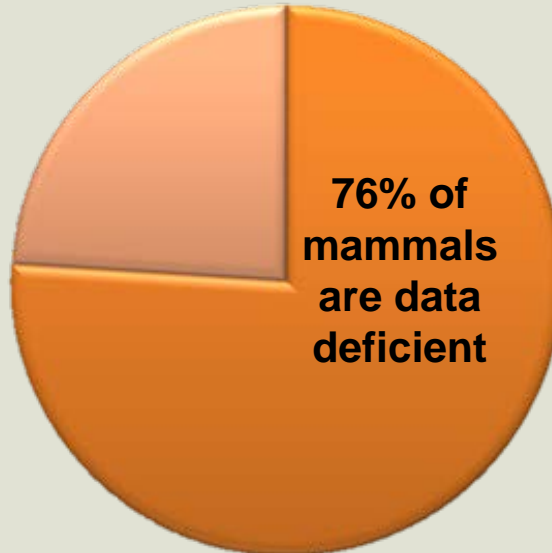
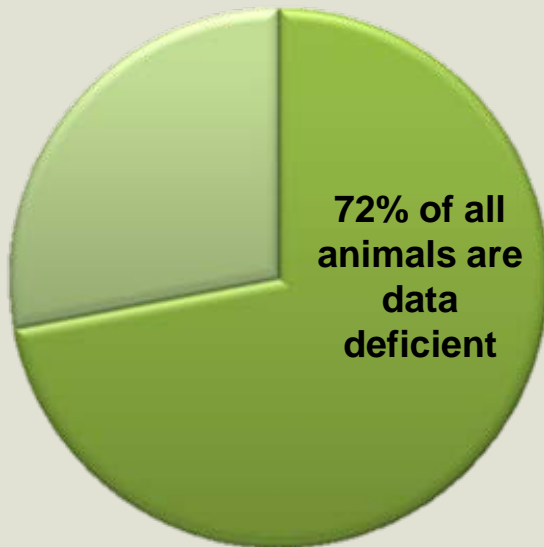
Peter Stathis

National Parks & Wildlife Service, Office of Environment & Heritage

What is WildCount?



What is the sustainability of fauna in NSW?



Mahon P., King, S., O'Brien C., Barclay C., Gleeson P., McIlwee A., Penman S. & Schulz M. (2011) Assessing the sustainability of native fauna in NSW, Monitoring, evaluation and reporting program, Technical report series. Office of Environment and Heritage, Sydney.

Aims of the program

Over time:

- Be able to detect a 30% change in fauna distribution over ten years
- A 30% change meets the IUCN red list criteria for listing species as vulnerable

Year by year:

- Update records
- New records
- “Early warning system”
- Compare with broad-scale data



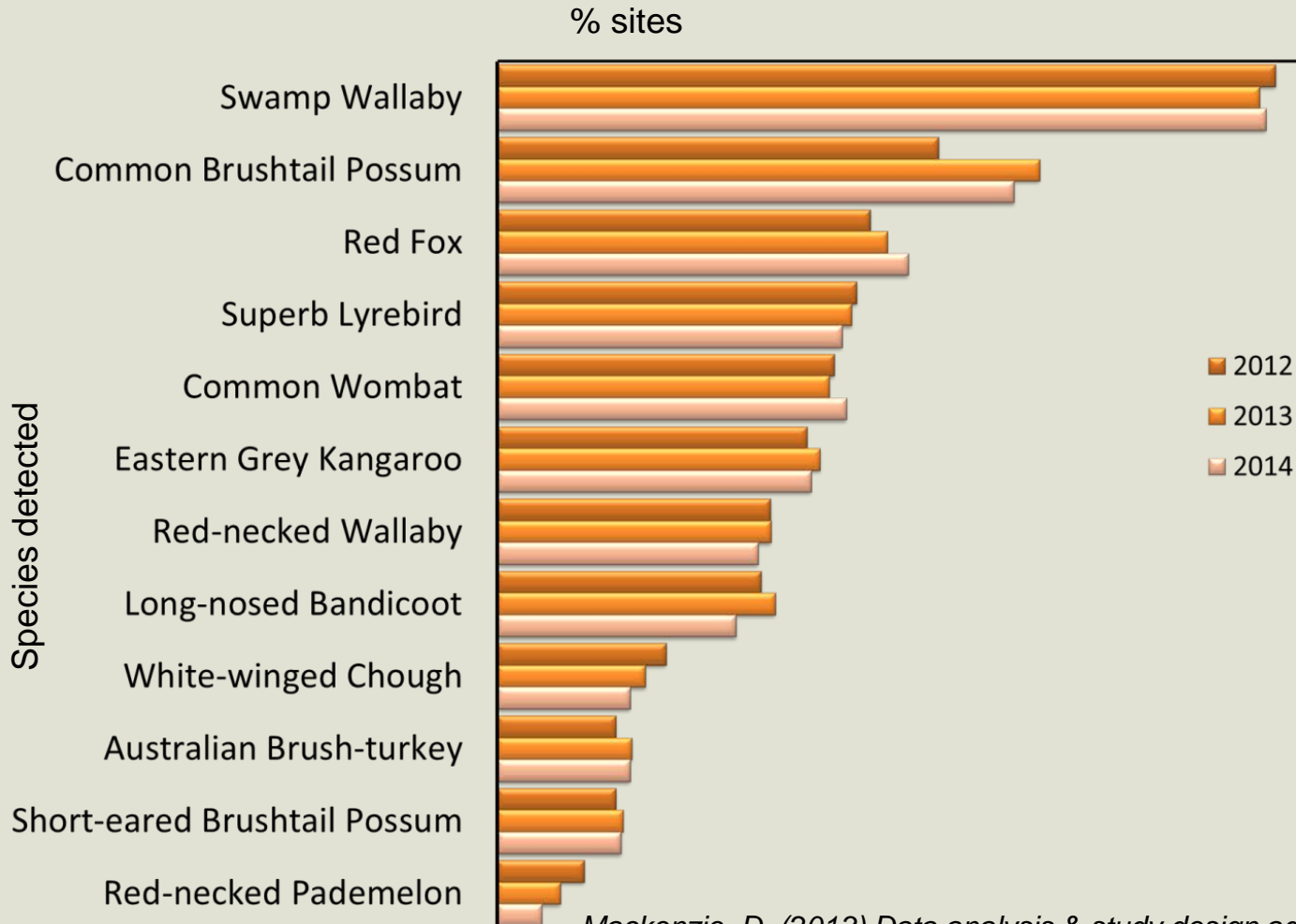
Design and methods

Every autumn:

- visit **146** national parks
- travel across **252,140** km²
 - with 40 volunteers
 - contributing **1,600** hrs
- set up **800** cameras
- survey for **11,500** nights
- collect **270,000** photos



WildCount already has the power to detect changes in occurrence of 12 species over 10 years



Mackenzie, D. (2013) Data analysis & study design advice for WildCount monitoring program. Proteus Wildlife Research Consultants.

With more years of data WildCount will have the power to track changes in a suite of common species



and act as an early warning system for sudden species declines and new pest incursions

Volunteers wanted for 2015

npws.wildcount@environment.nsw.gov.au

