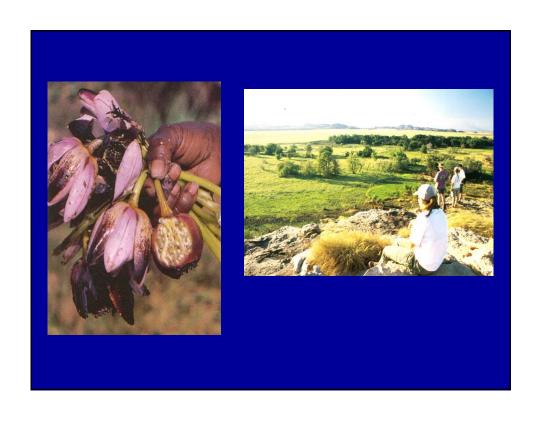
Floodplains

Michael Douglas (CDU),
Peter Bayliss (eriss), Peter Christopherson
(CSIRO),
Aaron Petty (Savannas CRC), Lochran Traill (CDU),
Keith Ferdinands (NRETA)











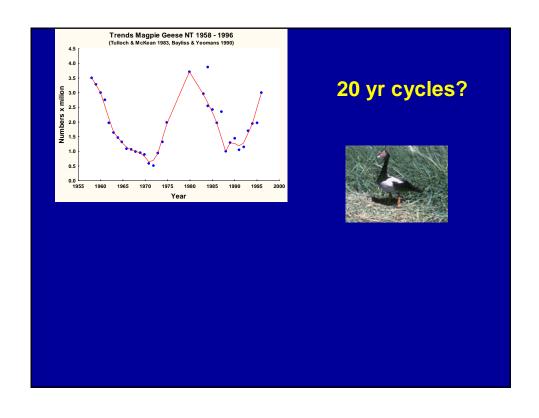
Outline

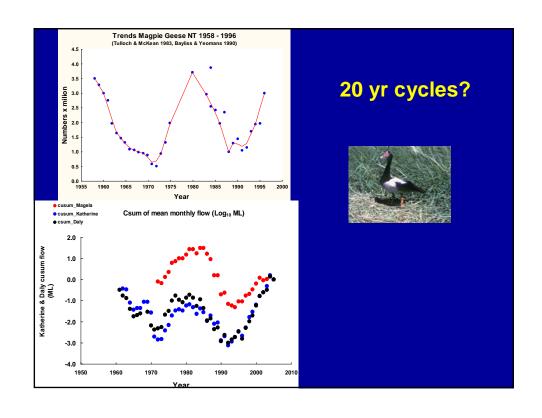
- Agents of change
 - -Climate
 - -Feral animals
 - -Weeds
 - -Fire
- Managing threats
- Knowledge gaps

1. Climate

Seasonal rainfall is a major driver of short-term change.

But what about longer-term patterns?





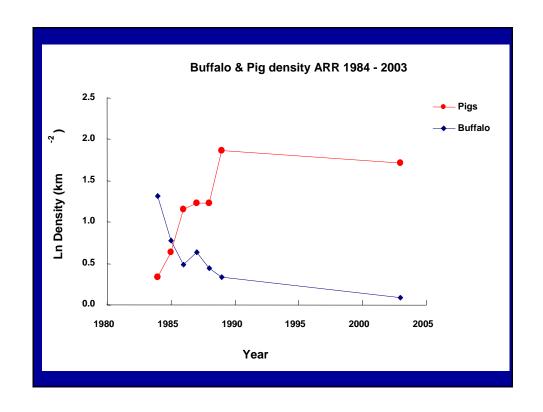
Saltwater intrusion



2. Feral animals

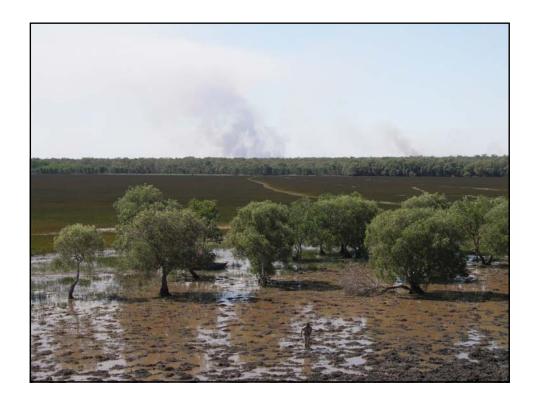




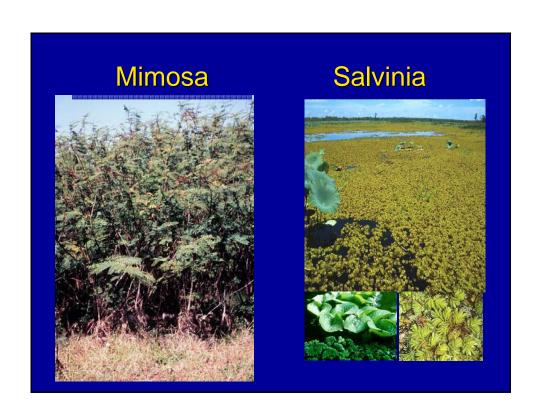




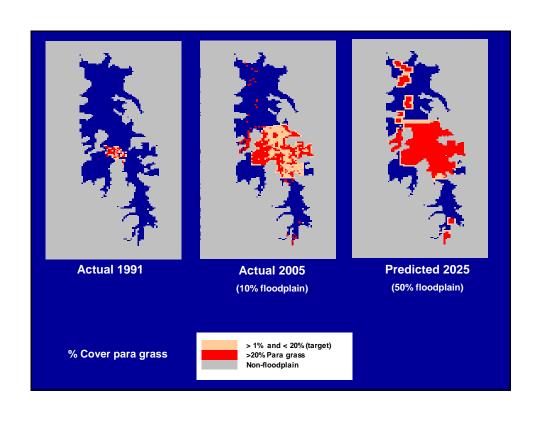




3. Weeds



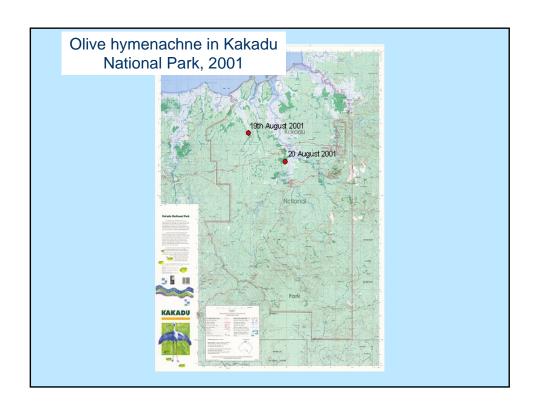


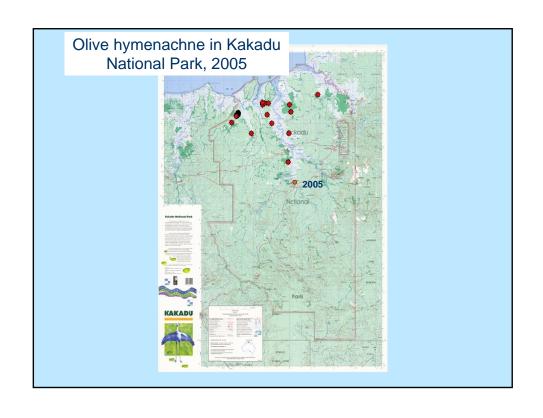




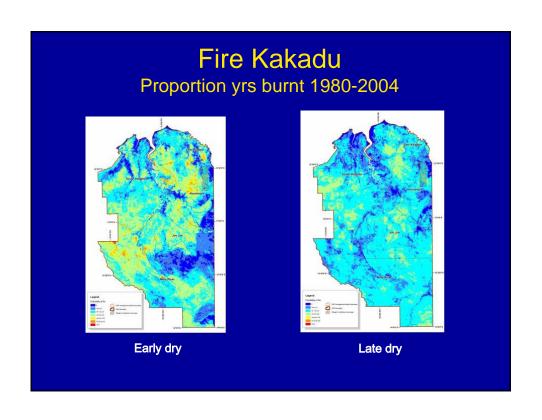
Impacts of Para grass	
Vegetation	Hi
Terrestrial	Hi
invertebrates Birds	Hi
Fuel loads	Hi
Food webs	Med.
Water quality	Med.
Aquatic	Lo
invertebrates	
Fish	Lo

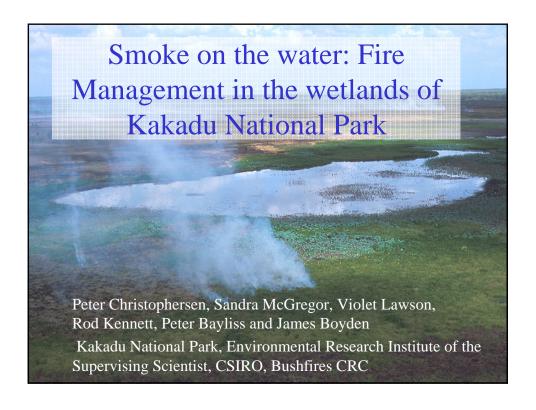






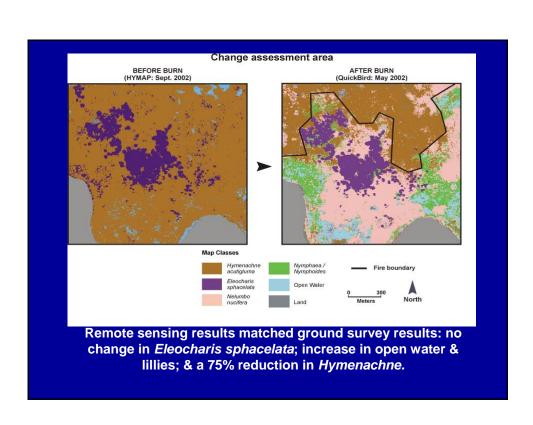


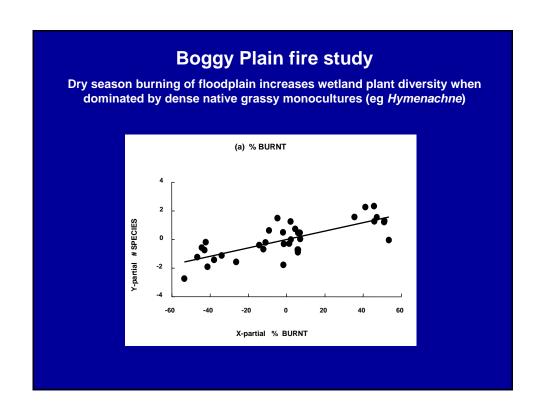




Objectives

- Reduce dominance of Native hymenachne and increase vegetation heterogeneity
- Improve quality of magpie goose feeding and nesting habitat
- Restore cultural values including hunting access
- Demonstrate the importance of fire in managing wetlands
- Understand what burning regime gives the best quality wetland
- Explore effectiveness of different types of imagery for monitoring wetland health and change







Managing these threats

- Climate
 - Be aware of climatic patterns
 - Predictions for saltwater intrusion, plan to live with it
- Weeds and ferals
 - Decision on management of exotic grasses
 - Prioritise based on a risk assessment
- Fire management
 - Floodplain fire plan across the Park
 - More comprehensive monitoring of fire management
 - Structured approach to getting TO's back onto fire management of floodplains

Knowledge gaps

- Climate
 - Long-term monitoring (e.g. Birds) to confirm patterns in rainfall
 - Consequences of saltwater intrusion, Pros and Cons
- Weeds and ferals
 - Methods & costs of control
 - Post-control management
- Fire
 - Longer term / larger scale consequences of fire regimes
- Conceptual models







