



# Natural capital accounting for dynamic ecosystems in Australia

Fifth Policy Forum on NCA for Better Decision Making: Greening the Recovery

Becky Schmidt | 16 September 2021



# What natural capital accounts have been produced?



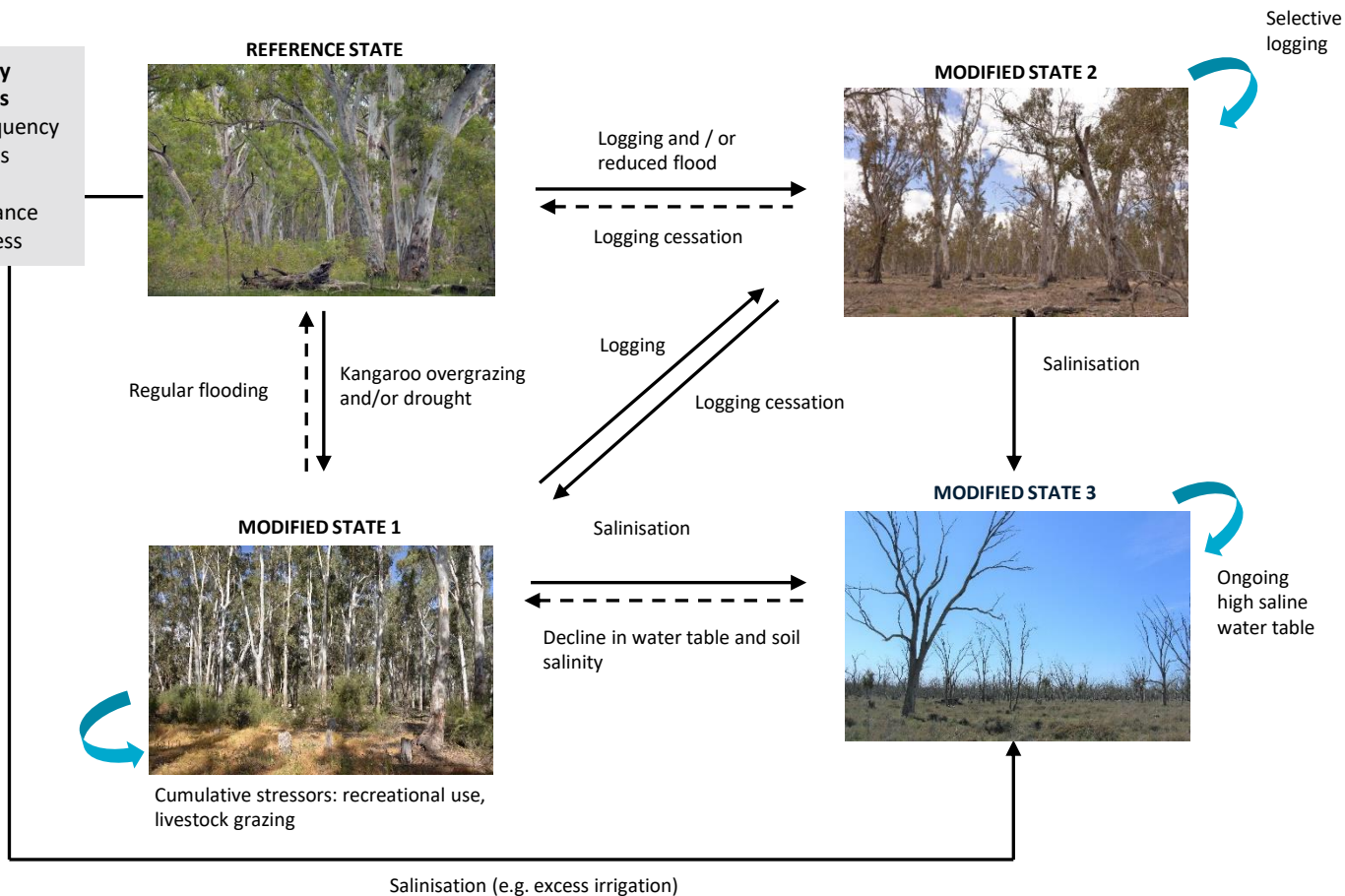
## Gunbower-Koondrook-Perricoota Forest Icon Site

- Ecosystem extent
- Ecosystem condition
- Biodiversity
- Physical and monetary supply and use of ecosystem services
- Asset valuation

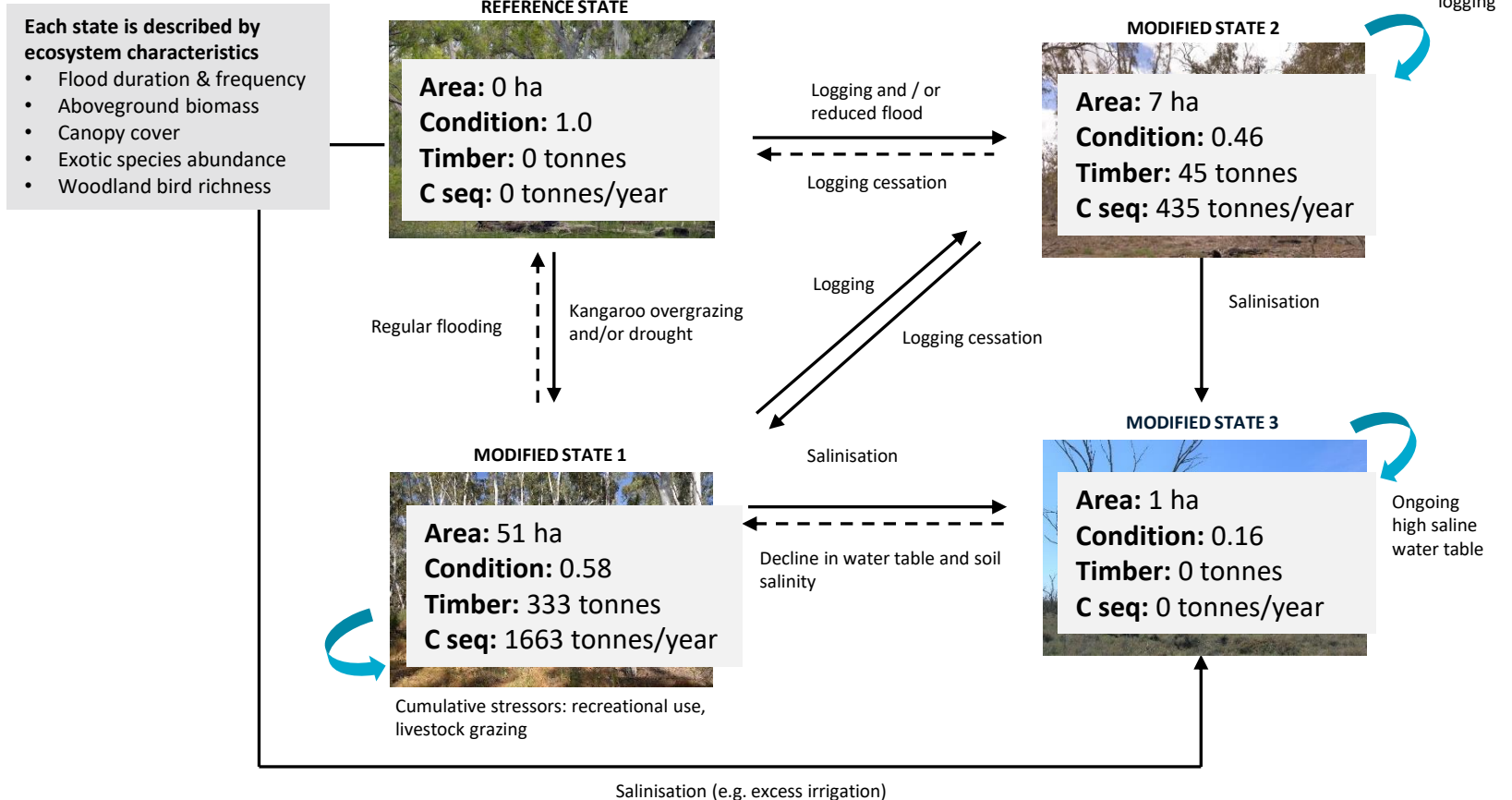
# Dynamic ecosystem models for pathways to green recovery

Each state is described by ecosystem characteristics

- Flood duration & frequency
- Aboveground biomass
- Canopy cover
- Exotic species abundance
- Woodland bird richness



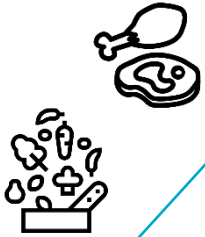
# Dynamic ecosystem models for pathways to green recovery



**Decision makers and sources of knowledge**

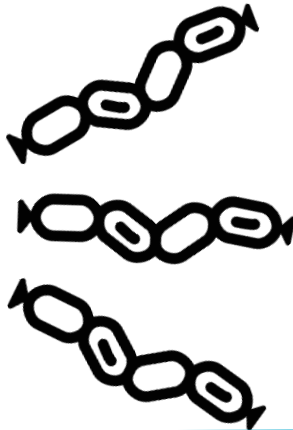


Provide data and information



Advise which pathways are plausible

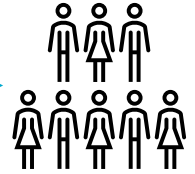
Identify pathways for green recovery



Business or community chooses pathway and acts

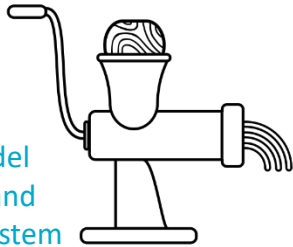


Impacts on nature, society and business



Feedbacks

Feedbacks



Scientists model future states and flows of ecosystem services





# Thank you

## CSIRO Land and Water

[Becky.Schmidt@csiro.au](mailto:Becky.Schmidt@csiro.au)

<https://www.csiro.au/en/research/natural-environment/natural-resources/Natural-capital-accounting>

<https://people.csiro.au/S/B/Becky-Schmidt.aspx>

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