



Managing biodiversity values in a certified sub-tropical plantation estate.

ANZIF Conference
October 2023



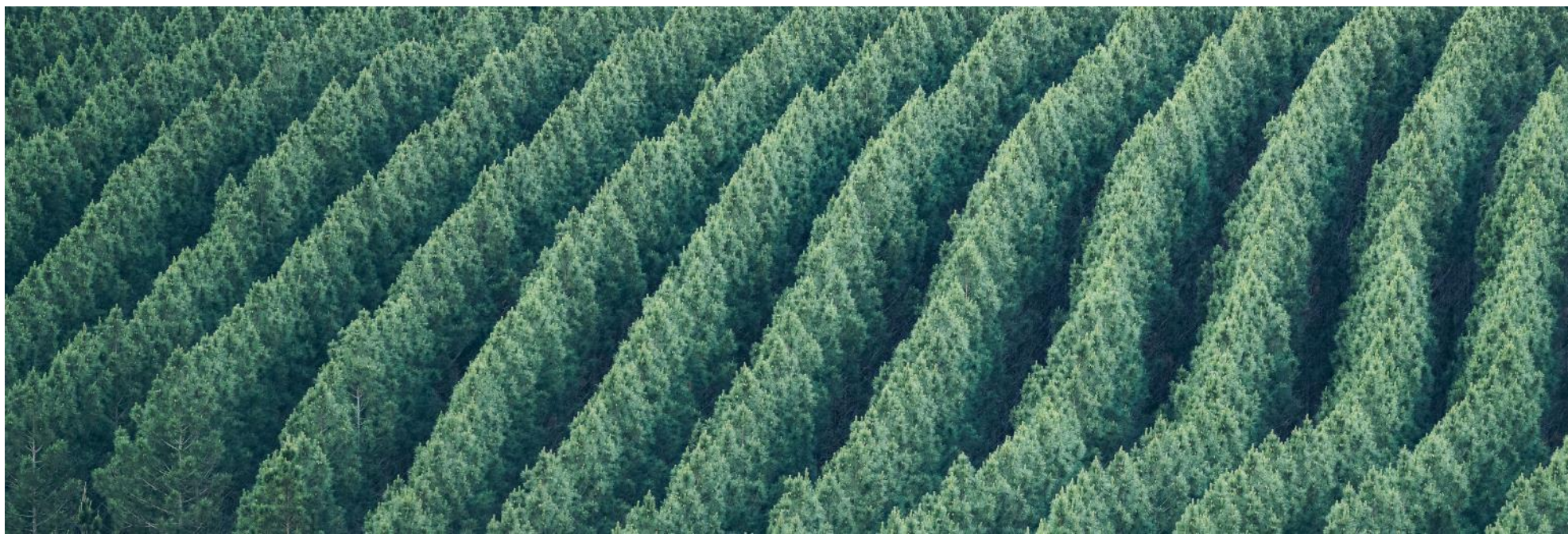
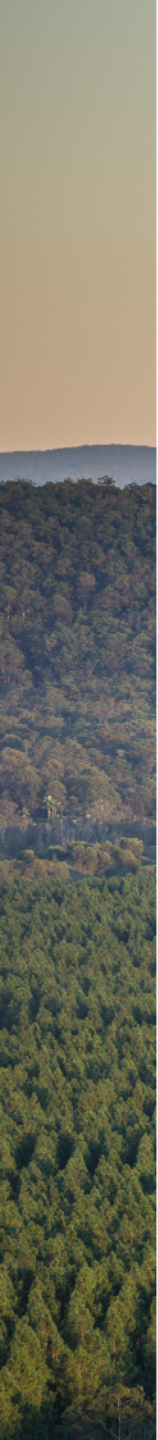
Our place in the landscape

- Queensland - Large plantation estate – mix of Southern Pine (not radiata), Araucaria and small amount of hardwoods
- Manage plantations within a **mosaic of native forest buffers** and other infrastructure lands (roads, firebreaks etc)
- Land use stats
 - 300,000 ha of public land and 10,000 ha private land
 - 190,000 ha plantation and **120,000 ha** non-production, *mostly* remnant native forest



Biodiversity – Common plantation perceptions

The monoculture



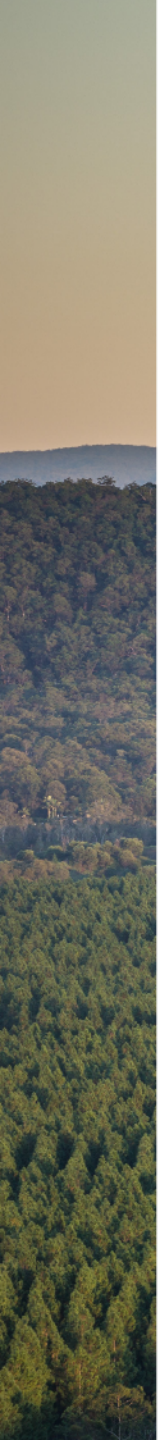


Biodiversity – A different picture

LANDSCAPE SCALE

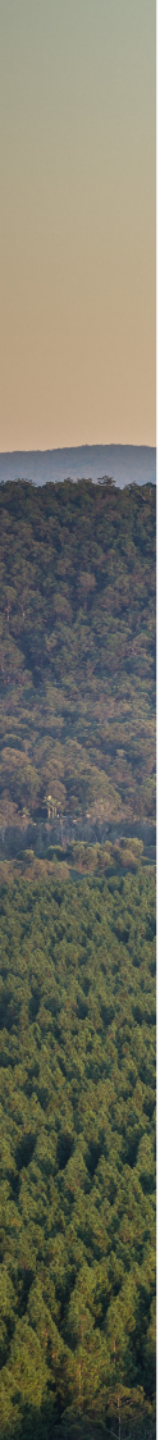
Mosaic of planted & native forest



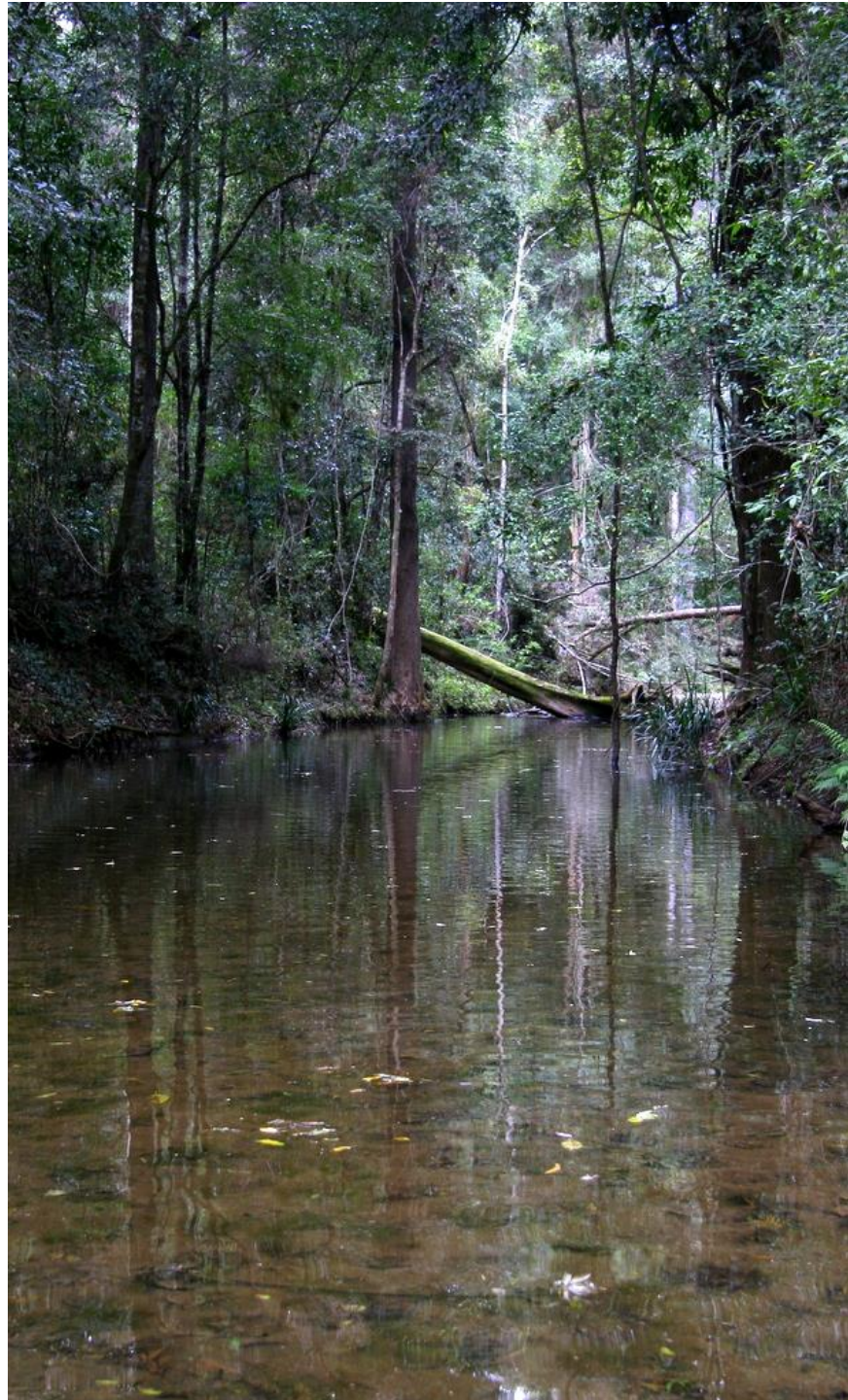


Watershed protection

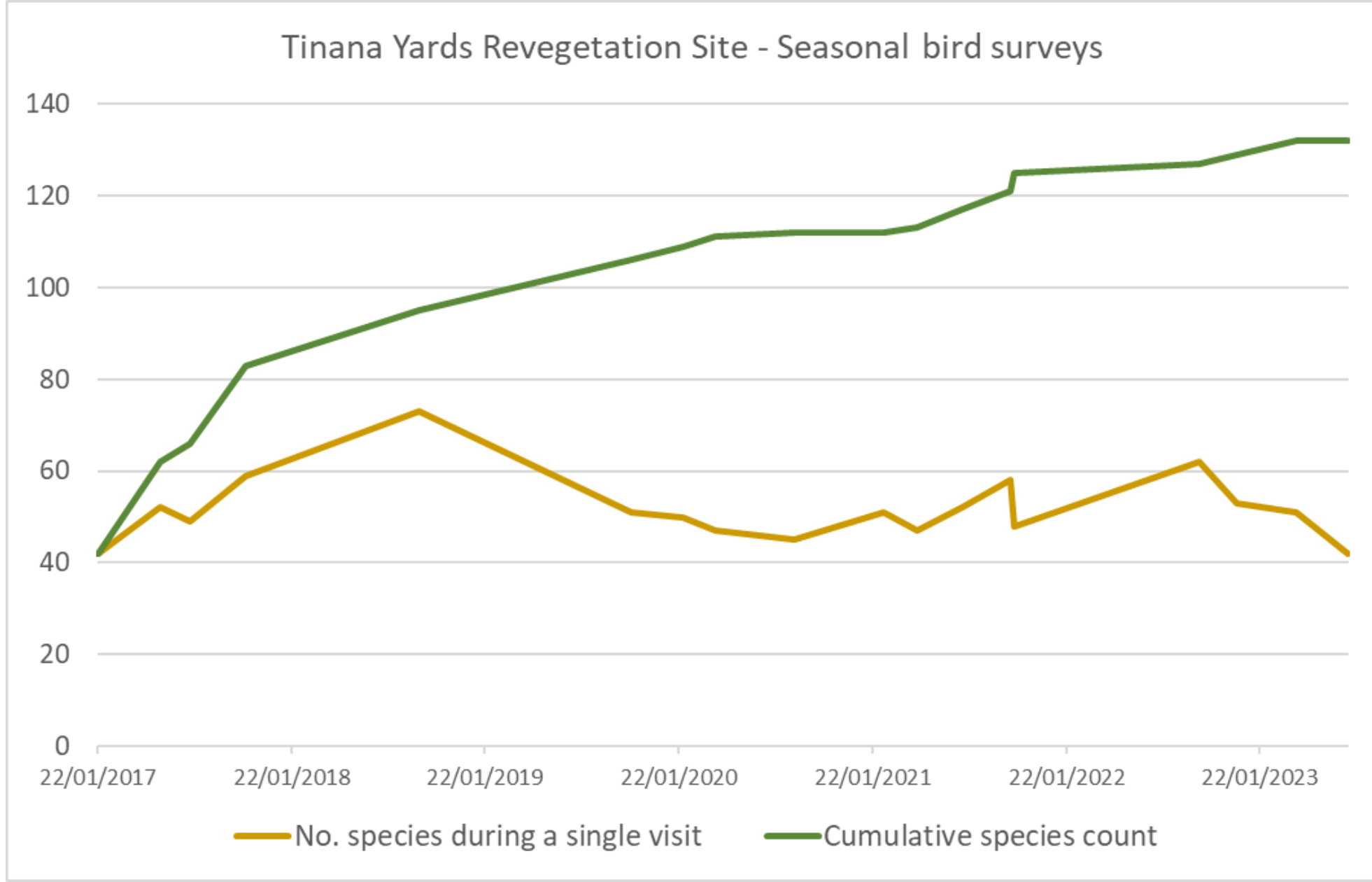




Threatened Ecosystems



Species diversity



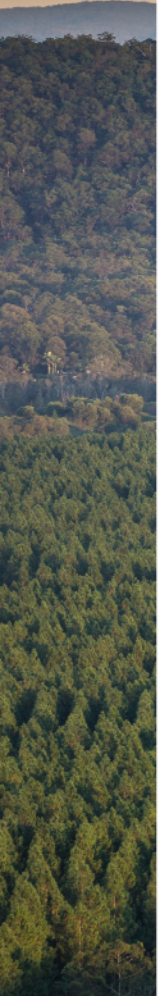
Burning for protection AND ecosystem health





Biodiversity – A different picture

WITHIN PLANTATIONS



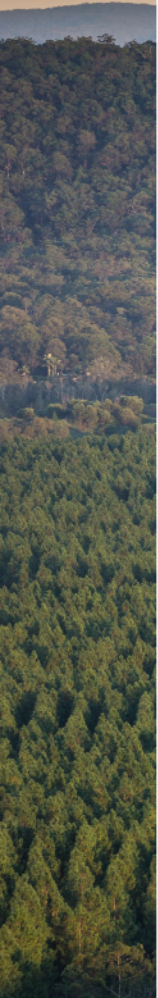
Understory development



Understory development



Threatened species



Opportunities

- Recognised value of plantations in providing habitat and linkages
- Biodiversity credits or offsets
- First Nations traditional usage and partnerships



Risks

- The Precautionary Principle
- Aesthetic factor
- Edge creep – erosion of resource base
- Natural regeneration within plantations
- Narrow time and scale perceptions

= ongoing pressure to take areas permanently out of timber production

Striking Balance

- As a forester, proud of your patch and the biodiversity benefits of the planted forest
- Biodiversity values within and around the planted forest can come at a risk to social license for ongoing timber production
- Good outcomes with grass roots stakeholder engagement



