

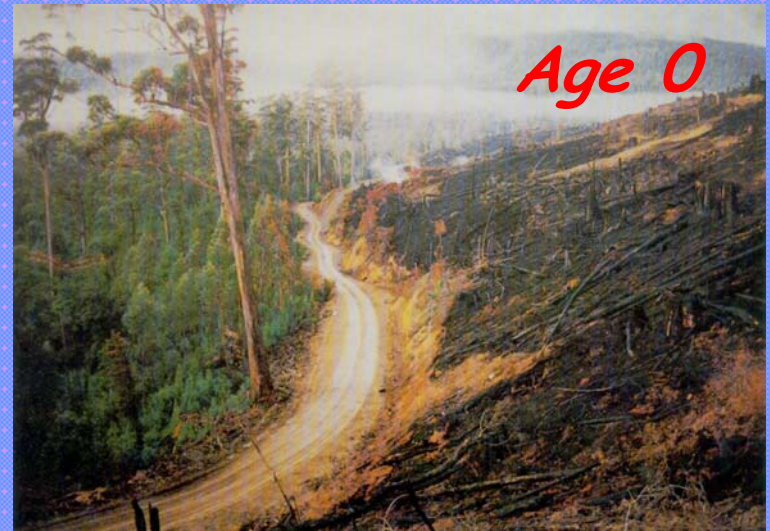
WARRA

Finding alternatives to clearfelling in
tall, wet eucalypt forests



What's bad about clearfelling?

- initial visual impact.
- smoke nuisance.
- structural simplification.
- reduction in rainforest species, rotting logs, hollow-dependent birds and mammals.
- reduction of special species timbers and leatherwood nectar.



What's good about clearfelling?

- safest for forest workers
- some similarity with natural wildfire system.
- best return to owner
- slash burning:
 - reduces wildfire risk.
 - maximises seedbed and eucalypt growth.
- least environmental impact at landscape level.



1. Clearfell, burn & sow

- Clearfell, high intensity burn, aerially sow with eucalypt seed
- **Objective:** Efficient eucalypt harvest with maximum growth of eucalypt regeneration



2. CBS with understorey islands

- Up to 5% of coupe to have dispersed 40 m by 20 m machinery-free areas.
- **Objective:** Efficient eucalypt harvest with retention of small islands to increase local survival of understorey plants, ferns & mosses.



3. Stripfells (cable harvested)

- Strips 2 tree lengths wide, low intensity burn, natural seedfall
- **Objective:** Eucalypt harvest with strips of undisturbed forest retained for **half the rotation** for habitat and all species seed supply.



4. 10% Dispersed Retention

- 10% basal area retention, low intensity burn, natural seedfall
- **Objective:** Eucalypt harvest with **individual eucalypt trees** retained for a **full rotation**.
(old trees: hollows and large log habitat)



5. 30% Aggregated Retention

- retain aggregates of 0.5 to 1 ha at 2 tree lengths apart, low intensity burn, natural seedfall
- **Objective:** Eucalypt and special species harvest, with **patches of forest** retained for a full rotation.



6. Single tree/ small group selection (SGS)

- harvest 20% every 20 years, no burning, natural seedfall
- **Objective:** Harvest of mature trees only, while encouraging special species regeneration and maintaining a **continuous tall forest cover.**

