Restoration of Forests Post-fire

Adam Leavesley
ACT Parks and Conservation Service
In a **Fire-Prone** ecosystem, what needs to be **Restored**?

- The Fire Regime is Integral to the ecosystem (not anomalous)

**SO...**

- In what sense does a recently burnt ecosystem require Restoration or Recovery?

---

Fire regime: Gill, 1975  
Landscape fire effects: Gill, 1998  
Ecological disturbance: Pickett and White, 1985;  
Plant functional attributes: Nobel and Slatyer, 1980
In a **Fire-Prone** ecosystem, what needs to be **Restored**?

A eucalypt landscape one month after the 2020 Orroral Fire (near Canberra)

A canopy tree nine years after the 2003 Canberra Fire

A prescribed burn conducted in April 2019; one year after burning.
Modifying the Fire Regime by Prescribed Burning

Prescribed burn scar 2019 and Linescan, 2 February 2020

Fire severity map, 2020;
Green = unburnt, yellow = low severity, red = high severity
Burn Much More when the Bushfire Risk is Highest?

- Define the aims of land management
- Modify the fire regime to try to deliver the aims
- Can we maximise the Intersection between Prescribed Burning and Bushfire?