

Resilience of cool temperate rainforests to disturbance

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Long-term logging experiments

- Long-term datasets are required to investigate the impacts of climate change on forests
- Very few of these exist in Australia
- Logging experiments, established by State Forestry Commissions in 1950-70s, are a valuable resource
- Over 50 years of data on cool temperate rainforests, with 10,365 records measuring 2,063 trees of 31 species



Resilience to disturbance

- Temperate rainforests considered sensitive to and rarely experience disturbance
- Records of 7 historic fires since 1915 (inc. 2019/20)
- *Nothofagus moorei* listed as vulnerable to climate change due to invasion by warm temperate species
- Logging experiments show *N. moorei* outgrows other species after disturbance

