

# LIBRARY

Department of Biodiversity,  
Conservation and Attractions

This PDF has been created for digital preservation. It may be used for research but is not suitable for other purposes. It may be superseded by a more current version or just be out-of-date and have no relevance to current situations.



## Landscape Conservation Program

For more information contact:

Program Leader, Landscape Conservation Program on (08) 9771 7985, email [lachie.mccaw@dec.wa.gov.au](mailto:lachie.mccaw@dec.wa.gov.au)

or visit DEC's website [www.dec.wa.gov.au](http://www.dec.wa.gov.au)

### Scope

Applied research undertaken by the Landscape Conservation Program seeks to understand the factors and processes that determine the overall health and productivity of lands managed by the Western Australian Department of Environment and Conservation (DEC), which include State forests, national parks and other conservation reserves. This research is aligned to the information needs of DEC and the Forests Products Commission. Strong collaborative linkages exist with universities, cooperative research centres, CSIRO and other research institutions and the corporate sector.



### What we do

- Investigate and predict the ecological effects of processes that operate at a landscape-level (e.g. fire, grazing, climate change).
- Monitor the condition of Western Australia's aquatic and terrestrial ecosystems and communities.
- Monitor the impact of timber harvesting, fire and other management practices on the soil, water and biodiversity of Western Australia's forests.
- Research and develop systems for using fire to protect and conserve biodiversity at a landscape scale.
- Communicate knowledge.
- Work collaboratively with land managers to ensure management practices are sustainable and based on the best available knowledge.







### ***Current key activities and projects***

- Monitoring changes and trends in key elements of forest biodiversity associated with a variety of management activities (FORESTCHECK).
- Monitoring wetlands as part of the State Salinity Strategy.
- Studying landscape-scale fire regimes in tropical savannas, semi-arid woodlands and south-west forests.
- Assessing forest health.
- Developing best practice techniques for rehabilitation of degraded landscapes.
- Monitoring stream biodiversity and water quality in forested catchments.
- Maintaining long-term forest growth experiments that can inform adaptation to climate change.



Landscape Conservation Program staff are based at locations throughout Western Australia including Kununurra, Manjimup, Dwellingup, Busselton and in the Perth metropolitan area at the Woodvale and Kensington research centres.