

Ecoscope demonstrates a wealth of fire risk assessment and management experience through the 15 projects completed since 2001, listed below.

The significant ecological capability of the Ecoscape team of environmental scientists, ecologists, botanists and zoologists, and their intimate knowledge of bushland ecology provides important context in relation fire management of natural areas in terms of sustainably managing fuel loads and fire risk whilst protecting biodiversity.

Ecoscope draws on both the landscape architect and environmental teams to either manage remnant vegetation or design revegetation plans that manage fuel levels and reduce Building Code of Australia (BCA) requirements for homes and infrastructure. Ecoscape uses innovative solutions such as strategic buffers and tree spacings to meet both the landscape criteria and fire safety needs. The company also studies the Bushfire Attack Levels (BAL) of existing vegetation and future vegetation to minimise fuel loads and lower bushfire risk.

Ecoscope can assist developers and property or natural area managers in managing bushland and vegetation in close proximity to their property, in order to reduce BAL ratings and therefore limit the BCA building standards. We can also create fire-practical revegetation and soft landscaping designs within the Building Protection Zone (BPZ) and Hazard Separation Zones (HSZ) that will not increase the BAL ratings of adjacent properties and infrastructure.

Ecoscope has prepared bushfire management plans (BMPs) for natural reserves adjacent to residential areas for local governments, discussing fuel loads, management strategies for preventing and minimising impact of bushfire outbreak, post fire recovery strategies, access and infrastructure needs, strategic firebreaks, maintenance requirements.

ECOSCAPE'S SERVICES IN RELATION TO THE SCOPE

- » bushfire management plans
- » bushfire hazard assessments
- » BAL assessments and mapping
- » revegetation and soft landscaping designs that comply with bushfire planning guidelines and can be integrated with BMPs
- » management of remnant native vegetation
- » fire prevention, preparation and post fire strategies
- » subdivision planning and building construction design advice
- » acting as liaison with DFES and landowners

COMPETENCIES

Ecoscope has dealt with a wide range of bushfire risk issues through engagement by Local Government on the 15 projects listed below between 2001 and 2015. These projects demonstrate our knowledge and experience in bushfire risk assessment and management that assist Local Governments to meet environmental compliance and DFES objectives. Ecoscape Management Plans and Strategies are prepared to Local Government Biodiversity guidelines and EPA standards.

2011	Maylands Police Complex Fire Hazard Reduction	2003	Peel Region Park Bushland Management Plan
2007	Shreeve Road Reserve Wetland Fire Management Plan	2003	Peel Estuary Island Point Bushland Management Plan
2007	Lake Claremont Fire Management Plan	2041	Cockburn Central West Streetscape Designs
2001	Armadale Urban Bushland Fire Management Plans	2008	Craigie Senior High School Redevelopment
2015	Lake Gwelup Management Plan	2013	Forrestdale Catholic College School ground Designs
2010	Casuarina Reserve Management Plan	2013	Lumin Rise Residential Subdivision and Foreshore Rehabilitation
2008	Casuarina Bushland Management Plan	2008	Grange Meadows Residential Subdivision and Streetscapes
2007	Coogee Beach Management Plan		

QUALIFICATIONS

All sixteen members of the Ecoscape environment team have BSc. Degree level qualifications or higher, with four members having achieved PhD level doctorates. In addition, two staff are currently being trained in the Department of Planning accreditation for Bushfire Risk Management and Planning.

CERTIFICATIONS

Ecoscape is ISO 9001:2008 Quality Management System certified. Certificate No: QEC23973.

PROFESSIONAL RECOGNITION AND MEMBERSHIP

Ecoscape Managing Director David Kaesehagen founded the Western Australian arm of the Australian Association of Bush Regenerators (WA) – (AABR).

Ecoscape Associate Director Bruce Turner is a member of the Environment Institute of Australia and New Zealand (EIANZ) and is also a member of the Environmental Consultants Association (WA) Inc. (ECA). Bruce is currently in the process of applying for CEnvP status for environmental impact assessment and ecology. Bruce was a member of the Golden Banksia Award winning team in 2001.

Director Marc Wohling and Associate Environmental Scientist Lyn Atkins are members of the Ecological Society of Australia (ESA), with Marc and Lyn joining in 2006. Marc is also a member of the Australian Anthropological Society, also since 2006.

Ecoscape Associate Environmental Scientist Dr Markus Mikli is currently the Chairperson for the Revegetation

Industry Association of Western Australia (RIAWA) and has been an active member of RIAWA since 2008.

Principal Environmental Scientist Kellie Bauer-Simpson has been a Member of the ECA since 2008. Senior Environmental Scientist Dr John Scanlon has been a member of the Society of Vertebrate Paleontology (SVP) since 2006.

Ecoscape is also affiliated with the following organisations:

- » The Australian Institute of Landscape Architects (AILA)
- » Urban Development Institute of Australia (UDIA)
- » International Association of Landscape Ecologists (Australasian chapter)
- » Mapping Science Institute Australia (MSIA)
- » Society for Ecological Restoration International (SERI)
- » Australian Society of Limnology (ASL)
- » Revegetation Industry Association and Western Australia (RIAWA).

RELEVANT LEGISLATION

Ecoscape is aware of and understands all State and Commonwealth environmental legislation and where it pertains to issues raised in Local Government projects. Ecoscape personnel are all familiar with both the State and Commonwealth assessment processes through submission of projects for both formal and informal assessments by the regulators.

Ecoscape personnel have all attended the Environmental Consultants Association training course on Environmental Impact Assessment, endorsed by the EPA, and presented by Murdoch University Associate Professor Angus Morrison-Saunders.

Some of the Legislation that we constantly refer to and monitor is listed below:

- » Commonwealth Environment Protection and Biodiversity Conservation Act 1999
- » Western Australian Bushfire Act 1954
- » Western Australian Environmental Protection Act 1986
- » Western Australian Wildlife Conservation Act 1950
- » Western Australian Animal Welfare Act 2002
- » Western Australian Biosecurity and Agriculture Management Act
- » Biosecurity and Agriculture Management Regulations 2013 (Department of Agriculture and Food Western Australia).