

Ecoscape has been providing environmental consulting services to Local Governments in Western Australia since the company's inception in 1987. Since this time, Ecoscape has completed more than 280 environmental projects for WA Local Government Authorities with 32 of these being completed since 2010. Ecoscape has worked with 58 of the 140 Local Government Authorities in WA.

Ecoscape has vast experience conducting flora and vegetation assessments and monitoring, fauna assessments and monitoring; and other general environmental monitoring (e.g. weed mapping or monitoring). Many of our assessment and monitoring programs have included targeted surveys for Threatened Flora, Specially Protected fauna and the identification and mapping of Threatened and Priority Ecological Communities (TECs and PECs). Assessments are conducted in accordance with Environmental Protection Authority (EPA) Guidance Statements and relevant State and Commonwealth legislation, or have been targeted to client's specific needs. Clients have included Local Government, mining companies, private and corporate land developers, State Government, Department of Defence, utility providers and NGOs.

ECOSCAPE'S SERVICES IN RELATION TO THE SCOPE

- » surveys for environmental impact assessments (Position Statement 3)
- » environmental approval processes, both State and Commonwealth
- » Level 1 and Level 2 flora and vegetation assessments (EPA Guidance Statement No. 51)
- » Level 1 and Level 2 fauna assessments (EPA Guidance Statement No. 56)
- » Native Vegetation Clearing Permit surveys
- » targeted searches for Threatened and Priority Flora species
- » identification and mapping of TECs and PECs
- » specialist plant identification services
- » weed mapping
- » fauna surveys including conservation significant fauna species searches
- » terrestrial fauna habitat mapping, including for conservation significant Black Cockatoos (EPBC Act referral guidelines)
- » short range endemic (SRE) fauna assessments (Guidance Statement No. 20)
- » subterranean fauna assessments (Environmental Assessment Guidelines 12)
- » natural area assessments using the Natural Area Initial Field Assessment template
- » environmental monitoring including for compliance reporting

COMPETENCIES

Ecoscape has undertaken a wide range of ecological and monitoring assessments in recent years, including the projects listed below between 2006 and 2015. These projects demonstrate Ecoscape's breadth of experience, in terms of its client base, types of assessments and geographic extent. Ecoscape regularly provides reports suitable for submission to regulatory authorities. Ecoscape's GIS mapping skills are second-to-none for preparing clear and concise maps for inclusion in reports. Ecoscape utilises statistical packages to conduct floristic analysis and TEC and PEC identification, and many of our staff are proficient in such tasks.

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| 2015 City of Wanneroo Hardcastle Park Biological Survey | 2015 Roe Highway Extension Flora and Vegetation Condition Assessment, Weed Mapping and Targeted Conservation Significant Flora Surveys |
| 2015 City of Wanneroo Quinns Rock Environmental Assessment | |
| 2015 City of Cockburn Tree Identification | 2015 Jandakot Airport Weed Survey (since 2012) |
| 2015 City of Canning Monitoring Quadrats | 2015 Solomon TEC and PEC Monitoring (since 2013) |
| 2015 City of Melville Flora and Vegetation Assessment | 2014 Kiara Farm School Environmental Study |
| 2015 Fortescue Rail, Solomon and Christmas Creek Fauna Monitoring | 2014 Shire of Northam Targeted Flora and Habitat Tree Surveys |
| 2015 Weld Range Targeted SRE Fauna Survey | 2014 Pilbara Rail Weed Monitoring Surveys |
| 2015 Solomon Riparian Vegetation Monitoring (since 2014) | 2014 Rutila Rail Level 2 Flora and Vegetation Assessment |
| | 2013 Shire of Toodyay Tree Assessment |

2013	Iluka-Cataby and Regans Ford Environmental Surveys	2011	City of Cockburn Weed and Vegetation Mapping
2013	State Barrier Fence Esperance Extension Biological Surveys	2010	City of Canning Queens Park Flora and Fauna Assessment
2013	City of Rockingham Feral Animal Survey	2009	Guildford to Southern Terminals Environmental Assessment
2013	City of Kwinana Vegetation Community Assessment	2008	Shire of Toodyay Flora and Fauna Survey
2012	Midwest Black Cockatoo Assessment	2008	Shire of Manjimup Reserves Assessment
2011	Defence Flora Surveys (Lancelin, Bindoon, Dampier Peninsula - Kimberley)	2007	Geraldton Regional Flora and Vegetation Survey (EPA Bulletin No.10)
		2006	Wheatbelt Dams Conservation Values Assessment

QUALIFICATIONS

All sixteen members of the Ecoscape environment team have BSc. Degree level qualifications or higher, with four members having achieved PhD level doctorates.

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 Scientists Lyn Atkins and Damien Cancilla are members of the Ecological Society of Australia (ESA), with Marc and Lyn joining in 2006 and Damien joining in 2010. 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 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) and Australian Society of Limnology (ASL).

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 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.