

Ecoscope demonstrates a wealth of coastal and foreshore restoration and management experience through the 25 projects completed since 2006, listed below. Our team remains active in this field with recent innovations now being tested at Point Fraser for the City of Perth. The installation of trials to test the effectiveness of sedge growth in gabion rock cages as a means of stabilising the foreshore of the Swan River is in its second 12 month monitoring period.

New innovations are being trialled in the use of drones to monitor foreshore erosion and restoration efforts allowing assessment of difficult to get to sections of rivers and small streams. Ecoscope is a current Panel member for the Swan River Trust (now the Rivers and Estuaries Division of DPaW) and is able to bring this experience to Local Government through the WALGA Preferred Supply Panel. We have assisted the Trust with providing foreshore assessment training for their staff and local community groups interested in conserving the waterways in their local areas.

## ECOSCAPE'S SERVICES IN RELATION TO THE SCOPE

- » coastal management plans
- » dune rehabilitation and restoration plans
- » foreshore stabilisation and protection
- » coastal and foreshore management strategies
- » foreshore monitoring and management plans
- » environmental impact assessments
- » vegetation protection management plans
- » rehabilitation, restoration and revegetation plans
- » fauna relocation services
- » fauna protection and management plans
- » wetland management plans and buffer assessments
- » weed management plans and surveys

## COMPETENCIES

Ecoscope has dealt with a wide range of coastal and foreshore environmental issues through engagement by Local Government on the 25 projects listed below between 2006 and 2015. These projects demonstrate our knowledge and experience in coastal and foreshore planning and management that assist Local Governments to meet environmental compliance and sustainability objectives. Ecoscope Management Plans and Strategies are prepared to Local Government Biodiversity guidelines and EPA standards.

2014	Irwin Estuary Coastal MP	2008	Sir James Mitchell Park
2014	East Fremantle Foreshore MP	2008	Garvey Park Foreshore Stabilisation Plan B
2013	Kwinana Freeway Foreshore MP	2008	Ascot Racecourse Foreshore Stabilisation
2013	Beresford Foreshore Coastal Protection	2007	Coogee Beach Management Plan
2013	Perth Foreshore Gabion Sedge Trials	2007	Coastal Planning Incentive Workshop
2012	River Foreshore Assessment Training Course	2007	Weed Mapping-Nedlands Foreshore
2011	Margaret River Foreshore Precincts	2007	Coogee Beach Management Plan
2011	Ridley Place Foreshore Development Study	2007	Foreshore Stabilisation at Garvey Park, Ascot
2010	Coral Bay Foreshore MP	2006	Coral Bay Foreshore MP
2010	Port Rockingham Foreshore	2006	Buffer Requirements Moore River
2009	Kalbarri Foreshore Landscape Masterplan	2006	Nedlands Coastal Management Strategy
2009	Pt Moore to Tarcoola Beach FMP	2006	Placid Waters North FMP
2009	Lancelin Foreshore 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.

## 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

## 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.

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).

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

- » Commonwealth Environment Protection and Biodiversity Conservation Act 1999
- » 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 2007
- » Biosecurity and Agriculture Management Regulations 2013 (Department of Agriculture and Food Western Australia).