



# ECOLOGICAL SERVICES

## Capability Statement





# Ecological Expertise for Sustainable Project Outcomes

Our ecology team provides practical, approval-focused advice to support informed decision-making across a range of industries and all stages of project life cycles.

We have extensive knowledge, experience and understanding of flora, fauna and community values and the interaction between these. We identify and characterise the values relevant to your area using bespoke survey methodology aligned with recognised industry practice and regulatory expectations. Whether launching new projects, expanding, or maintaining current operations, we can guide you through every step – from baseline/supplementary assessments and compliance monitoring to approvals advice.

Our ecological services are supported through ongoing collaboration with Talis' specialised Approvals & Assessments, Spatial, and Investigations teams.

## 1 INFORMED PLANNING & DECISION MAKING

We identify and clearly communicate ecological values and potential constraints relevant to your area, to support confident planning and impact assessments.

## 2 FIELDWORK

The foundation of good ecological advice is expertise in the field. We offer broad capabilities across flora and fauna surveys at all levels, aligned with both client needs and statutory expectations.

## 3 PRACTICAL SUPPORT FROM START TO FINISH

We support your project through all life cycle stages with sound, practical ecological advice that is proportionate, defensible and responsive to changing project needs.

# Experts Across a Range of Ecological Services



## Biological Surveys

### Flora & Vegetation Surveys

We conduct comprehensive surveys of flora, vegetation and communities to establish a greater understanding of what environmental values are present within your area of interest and their potential significance to your project. Our service offerings include Desktop Assessments, Reconnaissance/ Detailed Surveys and Targeted Surveys.

### Terrestrial Vertebrate Fauna

We assess the fauna assemblage and habitat composition, condition and significance within your area of interest. Our service offerings include Desktop Assessments, Basic Surveys and Targeted Surveys, covering habitat, breeding and foraging assessments for a broad range of species.



## Bushfire Capabilities

We deliver tailored assessments and quality advice founded on a sound understanding of bushfire behaviour and regulatory knowledge. Our team can guide clients through relevant bushfire risks, enhancing safety and resilience against fire threats by providing:

- Bushfire Impact Assessments
- Fire Ecology Surveys
- Prescribed Burning Advice
- Post Fire Monitoring & Reporting
- Policy & Planning Support
- Assess ignition sources & risks



## Monitoring & Compliance

We can design and establish monitoring programs to capture baseline environmental data and monitor change for species and communities over time to assess impacts, advise on management/mitigation measures and ensure compliance with environmental approvals.



## Offset Project Management

We can provide advice on offset requirements from the development of strategies, site assessments, and management plans that support the Commonwealth and/or State offset assessment process.



## Restoration and Rehabilitation

Our restoration programs are tailored to specific project requirements, applying the SMART (Specific, Measurable, Achievable, Relevant, and Time-bound) objectives and appropriate methods to ensure a clear pathway to project success.

Our services include:

- Bushfire Ecology (Pre- and Post-fire)
- Bushland & Wetland Restoration
- Dieback Recovery Strategies & Management Plans
- Revegetation Project Management
- Habitat Rehabilitation
- Sampling Analysis Plans



## Environmental Management

We can develop and assist with the implementation of management plans addressing your potential environmental impact and comply with your approval requirements. These plans are built on years of practical, hands-on field experience working closely with our clients and the regulators. We help you in establishing clear and measurable commitments to avoid, minimise and mitigate potential impacts.



## Environmental Impact Assessment and Approvals

We work alongside our clients to ensure their project requirements are carefully addressed, facilitating dialogue with community and regulators and delivering practical environmental outcomes and approvals.

# Ecological Solutions Backed by Industry Experience

## Our Team of Environmental Specialists

Our team of experienced ecologists are experts in identifying the flora, vegetation and fauna composition and significance of your area of interest. We assess potential development impacts in line with statutory requirements, policy and guidance together with consideration of the practicalities of environmental mitigation and management.



### LOUISA CARLSSON

#### Senior Environmental Consultant (Biodiversity) Ecology Team Lead

Louisa is a Senior Ecologist experienced in undertaking flora, vegetation & fauna surveys and monitoring across WA since 2018. She has a double degree in Wildlife Conservation Biology & Marine Science followed by a Post-Graduate Diploma in Environmental Science. She has strong skills in project management, OHS compliance, fieldwork, technical report writing, data analysis and GIS mapping. Her project experience includes local government, Main Roads WA, and small to major mining companies.

#### Key Experience:

- **Detailed Flora and Vegetation Surveys** including targeted searches for conservation-listed species in the Pilbara, Mid-West and Swan Coastal Plain.
- **Basic Fauna Surveys** including targeted searches for conservation-listed species in the Kimberley, Pilbara, Mid-West and Swan Coastal Plain.
- **Threatened Species and Communities Monitoring** including Malleefowl, Chuditch and Quoya zonalis.
- **Vegetation Health Monitoring** including TEC, PEC, Mangrove, Conservation-listed Flora and/or Fauna species and weed monitoring.



### ANDREW MACK

#### Director & National Environment Lead

Andrew Mack is a Director and leads the national environmental practice at Talis. He has accumulated experience of more than 30 years of industry involvement in both the public and private sectors. Andrew is a Certified Environmental Practitioner and has qualifications in engineering and law. He specialises in approvals, compliance and statutory advice, on matters pertaining to environmental, mining, contamination and planning, across a range of industries and projects.

#### Key Experience:

- **Gold Fields St Ives Gold Mine** - Environmental approvals (including Ministerial approvals), investigations and advice
- **Talison** - Environmental Impact Assessment/Approvals/Advice in relation to project expansion
- **Medallion Ravensthorpe Gold Project** - Environmental approvals (State and Federal), strategy and advice
- **Norton Gold Fields** - Environmental advisory role across several project approvals and closure plans
- **Newmont** - Telfer and Havieron approvals and advice
- **Shire of Serpentine-Jarrahdale versus BioOrganics** - Environmental Expert retained by the Shire

Our services comply with environmental legislation, regulations, and technical standards. We continuously monitor and adapt to the latest amendments or developments.

**We work for a variety of clients across different sectors. Some of these include:**

- Mining
- Oil & Gas
- Land Development
- Industrial, Energy & Manufacturers
- Local and State Governments
- Renewables
- Transport, Rail & Freight
- Tertiary Institutions
- Waste Facilities





## OFFICE LOCATIONS

### PERTH (H/O)

604 Newcastle St,  
Leederville WA 6007

### BRISBANE

35 Boundary St,  
South Brisbane QLD 4101

### KALGOORLIE

47 Brookman St,  
Kalgoorlie WA 6430

### NEWCASTLE

58 Cleary St,  
Hamilton NSW 2303

### NOWRA

76 Bridge Rd,  
Nowra NSW 2541