

Vertebrate fauna capability statement



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Phoenix provides a comprehensive suite of vertebrate fauna services, from baseline studies to management and compliance monitoring. We provide innovative solutions to optimise species conservation and management outcomes resulting in less onerous project timeline and cost implications for our clients.

Our vertebrate fauna team has survey experience and technical expertise throughout WA's diverse environments. The team is managed by Jarrad Clark, an expert in innovation and problem-solving for fauna surveys.

ABOUT VERTEBRATE FAUNA

Australia is a unique continent with a wealth of reptiles, amphibians, birds and mammals found nowhere else. Unfortunately, large-scale changes to the Australian landscape from human activity have put many species at risk. This is particularly the case for mammals.

Vertebrate fauna surveys are a fundamental aspect of baseline studies for environmental impact assessments under the *Environmental Protection Act 1986*, the *Environment Protection and Biodiversity Conservation Act 1999* and mining proposals under the *Mining Act 1978*. Management of impacts to vertebrate fauna is also a common requirement of project approval conditions. Ongoing monitoring and

management of threatened species may be required for a project where there is risk of significant impact during project construction or operation.

INDUSTRY ISSUES

WA's vast size coupled with regional faunal diversity, a paucity of information in some regions and site-specific habitat variation can make vertebrate fauna surveys challenging.

Proponents often incur onerous obligations to manage impacts to threatened species. This can be difficult for companies with limited internal expertise and whose core business is not environmental management.

OUR SOLUTION

Environmental management is our core business.

Phoenix's team of highly experienced vertebrate zoologists maintains current knowledge of vertebrate fauna biology and taxonomy through links with the WA museum and field expertise across



Phoenix Environmental Sciences offers a broad range of complementary biological and environmental management services. Our team strikes the right balance of scientific credibility, practical application and business sense.



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WA's diverse bioregions. We deliver robust fauna assessments that utilise the combined skill set across the vertebrate fauna team.

Our expert judgment brings practical foresight and quick response to project design imperatives while maintaining scientific integrity. We provide dependable support and develop practical, cost-effective strategies to manage vertebrate fauna issues.

We offer:

- identification of all vertebrate fauna groups including conservation significant species
- extensive knowledge of vertebrate fauna habitats across WA
- depth of experience in targeted survey design, particularly for environmental impact assessment, to meet site-specific or species-specific challenges
- a strategic approach to fauna management

SERVICES

- Baseline studies – desktop reviews, Level 1 and Level 2 surveys for EIA
- Targeted surveys for conservation significant species
- Habitat mapping and classification
- Pre-clearance trapping and translocation
- Fauna management plans
- Threatened species management and monitoring programs
- Development of offset packages

CONTACT

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