Redleaf Environmental provides environment and heritage solutions for engineering and design firms, mining and energy companies, government departments and local government organisations. We serve Queensland and NSW regional centres.

Expert services that give you the confidence to get on with the job.

Call 0407 234 986
hello@redleafenv.com.au
www.redleafenv.com.au
Australian Owned

Capability Portfolio
Our Footprint for Future Generations

Redleaf Environmental provides environment and heritage solutions for engineering and design firms, mining and energy companies, government departments and local government organisations. We serve Queensland and NSW regional centres.

Expert services that give you the confidence to get on with the job.
Redleaf Environmental is a national consultancy covering multiple disciplines in fauna, flora and heritage research, assessment and management. We provide cost-effective, workable solutions to manage your risk for the environmental and cultural heritage aspects of your project.

Based in Toowoomba, Brisbane and Rockhampton, Redleaf Environmental staff travel nationally, often working on the initial stages of project development to identify project risks early and to develop effective mitigation strategies for the natural and cultural heritage values. We are adept at liaising with regulators to ensure approvals are secured. We also design and implement monitoring and environmental audit programs to ensure the continued effectiveness of environmental standards as might be applicable on a project-by-project basis.

Our team is passionate and committed to your project and long-term sustainability. We have the right people with the right experience to give you a high quality outcome at workable costs. Redleaf Environmental provide you with a reliable and easy to work with team of specialists.

Why Redleaf Environmental?
- experienced professionals, management team alone over 70 years experience
- highly trained field team
- complete service, hassle free approach
- cost effective scientifically based outcomes
- personal and responsive service model

Ecological Risk Assessment
We manage ecological risk early in a project and work with you to define practical pathways to move projects forward, in the right direction.

We serve Queensland and NSW regional centres.
Redleaf’s team of environmental scientists and cultural heritage officers have extensive experience working with engineering and design firms, mining and energy companies, government departments and local organisations.

We are there from the outset of your project to help you with any required environmental or cultural heritage approvals and clearances. Bring us in early to avoid costly mistakes or overly long approvals time frames.

Once we are involved in your project, we provide you with timely expert advice and services throughout the life of the project. Use our experts like surgeons to perform critical tasks to keep the project performance running high.

Our down to earth staff have the ability if required to be the complete service option for you through our established networks.

Our senior management team offer a personalised service and hassle-free approach to your project.

Above and beyond what’s expected to deliver innovative results and maximise outputs. Together in partnership and good communication with our clients and key stakeholders, we lift a project from every-day to exceptional.

Our senior managers are directly involved in every project to ensure effective communication and direct personalised service. We strongly believe in a hassle-free and proactive approach which we know, achieves excellence in client relations and above all, provides results.

Visit our website and get to know our team www.redleafenv.com.au

We are passionate about sustainable planning and development, particularly for our regional Australian landscapes.
Our Services

**Environmental Impact Statements (EIS)**
- Fauna and flora EIS chapters
- EPBC Matters of National Environmental Significance (MNES)
- Desktop investigations
- Threatened species – *flora and fauna surveys*
- Habitat suitability assessments for flora and fauna critical habitats
- Aquatic ecology investigations – *AusRivAs, water quality, vertebrate surveys*
- Bat surveys
- Identification of project impacts and mitigation measures
- Professional reporting, data presentation and referencing, including GIS.

**Environmental Authorities**
- Assessments and referrals
- Liaison with regulators
- Desktop investigations
- Field surveys
- Identification of potential impacts and mitigation
- Legislative review
- Environmental compliance
- Environmental management plans (EMP)
- Environmental auditing.

**Fauna Spotter Catcher**
- Spotter / catcher services for fauna
- Field investigation of animal breeding places
- Habitat condition assessments
- Development of Species Management Plans / Programs (SMP)
- On-ground implementation of SMP guidelines during and after construction.

**Biodiversity Offsets**
- Strategic offset identification
- Ecological equivalence tests of potential offset sites
- Guide you through the legislative mechanisms and processes
- Ongoing ecological monitoring.

**Monitoring and Rehabilitation**
- Receiving Environment Monitoring Program (REMP)
- Aquatic surveys, macroinvertebrate (AusRivAs), fish, vertebrate fauna
- Water quality
- Artificial wetland or pond design and implementation
- Site remediation and rehabilitation plans
- BioCondition vegetation monitoring.

**Cultural Heritage**
- Duty of Care Aboriginal Cultural Heritage requirements
- Archaeological investigations
- Database searches
- Traditional owner liaison and consultation
- Reporting and GIS data.

**Scientific Research**
- Risk assessments of threatened flora and fauna species and vegetation communities
- Lead high calibre scientific investigations into any environmental aspect relating to the industry.
- Conduct long-term monitoring and rehabilitation plans
- Implement scientific experiments to develop practical solutions to problems
- Innovate and transform projects through sustainable practices for future generations of Australians.
Our Footprint for Future Generations

As a regionally based environmental company, Redleaf Environmental is perfectly situated to manage the environmental aspects of your project because we understand the challenges and needs of regional businesses and local governments. We have worked in partnership with engineering, mining and construction companies on billion dollar projects. The following are some of the projects that we have been proudly associated with over the past few years.

**Warrego Highway (Nugent Pinch Road to Charlton)**
Seymour Whyte Constructions, Darling Downs, Toowoomba

Redleaf scientists conducted threatened species surveys for the pre-construction activities for the Seymour Whyte $43M project. The project involves upgrading a 5.7km section of the Warrego Highway at the intersection of the Toowoomba Second Range Crossing to a four lane standard highway, including the installation of traffic signals at Gowrie Junction Road and O’Mara and Stegers roads, a grade separated interchange at Troys Road (Charlton Connection Road) and a U-Turn facility at Nass Road.

**Middle Road, Civil Project**
FK Gardner, NDRRA Funding, Crows Nest

Fauna spotter catcher and fauna clearance surveys for several kilometres of road was required by FK Gardner. The project was the direct result of significant flooding in 2010/11 landslides causing significant damage, rendering the road impassable to traffic.
Proposed Rail Alignment Survey from Galilee Basin to Abbot Point – Flora and Fauna
Waratah Coal
Helicopter-based survey of the propose rail alignment examining habitat quality for fauna and areas of remnant vegetation.

Flora and fauna surveys for CSG in the Surat Basin  Client: various
The Redleaf Environmental team have undertaken flora and fauna surveys for numerous sites and operations across the Surat Basin.
- Fauna surveys for upstream tenements - EIS Environment Chapter
- Over 200 wetland inventory and GIS surveys along with expert advice to QGC, Surat Basin (Chinchilla, Miles, Surat, Roma, Injune, Wandoan)
- Species Management Plans and rehabilitation planning for upstream and downstream components of the QCLNG Project - fauna and flora
- Fauna surveys for main export pipeline, Surat to Curtis Island
- Fauna surveys and environmental assessments for the proposed Alpha mine site and railway corridor to Abbott Pt near Bowen, Qld.

Greer Bridge Civil Works
Lockyer Valley Regional Council, Helidon Spa, Toowoomba Second Range Crossing
Environmental assessment, flora and fauna survey to gain appropriate approvals and permits prior to restoration of the damaged bridge structure and creek bed and banks. This work was undertaken along with 18 other bridge assessments across the Lockyer Valley.

East Creek Waterway Barrier Assessment
Toowoomba Regional Council, East Creek, Toowoomba
Waterway barrier assessment of East Creek in Ballin Drive Park, Toowoomba. This involved civil construction of flood mitigation detention basins on East Creek and a fish passage assessment of native species under the Fisheries Act 1994.

Rockmount Road deviation - Environmental Impact Study (EIS)
Lockyer Valley Regional Council
Flora and fauna survey of a road corridor realignment including quantification of koala and Glossy-black Cockatoo habitat (threatened species).

Rockmount Road Deviation – Archaeological investigations
Lockyer Valley Regional Council
Redleaf Environmental's principal archaeologists conducted expert investigations to identify the presence of Aboriginal cultural heritage values along the road alignment route. This also involved liaison with council and traditional owner groups.

Species Management Program for threatened species at Grigor Bridge crossing on the Mary River at Conondale
RoadTek, Department of Transport and Main Roads
Redleaf Environmental developed a Species Management Program (SMP) for the Mary River Turtle (Elusor macrurus, Endangered) along with fish, platypus and microbats. This included the use of fyke nets, fish traps and turtle traps. Redleaf Environmental also designed and installed bat roosts under the new concrete bridge structure to offset the loss of the old timber bridge.

GILBERT DIVING

“I was impressed with Redleaf Environmental’s ability to undertake aquatic fauna clearances in a safe manner at construction sites and importantly demonstrating results for our clients. Their ability to capture aquatic fauna including turtles, fish and platypus in the Mary River was outstanding. I found their team to be professional and easy to work with.”

John Gilbert, Managing Director, Gilbert Diving
Species Management Program for Threatened Wallum Frog Species in SEQ  Ergon Energy

Ergon Energy required the development of a Species Management Program in accordance with State Nature Conservation Act 1992, guidelines to mitigate possible harm that may occur as a result of Ergon activities, including new works, maintenance and emergency call outs. The plan focuses primarily on the conservation of breeding places as required under the Act.

Traditional owner liaison and negotiations – Montana Quarry Site 2014.

Ostwald Brothers Construction Materials

Our archaeologists (cultural heritage officers) conducted site inspections and traditional owner clearances for a 16 ha site near Injune in the Surat Basin. These inspections revealed a number of aboriginal cultural heritage values on site which were subsequently avoided during construction.

Flora and fauna surveys and habitat assessments for over 140 gravel quarries in 2013-2014

Quilpie, Murweh and Paroo Shires

Redleaf Environmental has delivered more than 140 quarry approvals for Murweh, Paroo and Quilpie Shires as part of the Flood Restoration Works under the Natural Disaster Relief and Recovery Arrangements (NDRRA). These approvals had the key tasks of flora and fauna surveys and habitat assessment, threatened species, vegetation clearing permits and GIS mapping. Mitigation measures were also provided including habitat tree identification and fauna spotter catcher requirements.

LOCKYER VALLEY REGIONAL COUNCIL

“Redleaf Environmental demonstrated a high standard of skills in flora and fauna assessment, threatened species management and the requirements for cultural heritage clearances for small scale road construction projects. On the Rockmount Road Deviation EIS project, Redleaf provided a cost effective result and achieved an appropriate balance between the project and environmental needs.”

Graham Jordan, Program Management Coordinator, Lockyer Valley Regional Council
### List of recent Redleaf project reports

A snapshot of our projects and repeat business. You are more than welcome to contact our clients for their thoughts.

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ROADTEK, DEPARTMENT OF TRANSPORT AND MAIN ROADS

“Redleaf Environmental were engaged to undertake fauna clearance works for our bridge construction and bridge demolition works.

Working together with Redleaf staff and management over the project duration was a very pleasant experience. The expertise shown from Redleaf in various fields was second to none. Redleaf are very passionate and knowledgeable regarding fauna management and ensured compliancy with the relevant regulations and specifications were met. Redleaf provided a very high level of service including a strong emphasis on safety and customer service.”

Peter Allie, Project Manager, RoadTek

WORKPLACE HEALTH AND SAFETY

We proudly maintain our record of Zero Days Lost, through strict adherence to OHS legislation which we implement through our own safety protocols and those of the companies we work in association with.

Our insurances

Redleaf Environmental is covered by Professional Indemnity insurance of $5M and Public Liability insurance of $20M.
The highly qualified and well respected leadership team at Redleaf Environmental have extensive experience in working on engineering, mining and government projects. The management team alone builds confidence with each possessing over 20 years of practical field experience.

Dr Darren Fielder is a highly credentialed and respected scientist having worked extensively on road infrastructure projects including being the Environmental Manager for the Murweh Shire NDRRA Flood Restoration Project ($85M, 2013-2014). Darren was also heavily involved in the South West RPO for TMR from 2011-2014 and a number of projects near Toowoomba on the Warrego Highway. From these experiences, Darren is able to guide and lead multidiscipline teams across a broad range of topics covering a range of legislation. These have included past projects on the implementation of audit and compliance programs, site investigations, flora and fauna surveys (MNES / MSES), vegetation management, cultural heritage oversight, environmental offsets, ecological monitoring including water quality and stormwater management, erosion and sediment controls and noise and dust mitigation measures.

Dr Bruce Thomson is a professional biologist with over 30 years of experience in conducting flora and fauna surveys and scientific research in the NT, QLD and NSW. Bruce brings to each project a wealth of practical knowledge and expertise in fauna identification and microchiropteran bat survey, investigation and reporting. He is also an accomplished botanist having described new species of Australian native plants. He has also conducted research and published scientific papers on numerous fauna species including bats (his PhD subject). Bruce is a national expert on the conservation of cave-dwelling bats found in abandoned mines. His interests in bats and mines took him to the USA where he investigated many of the State-sponsored programs to manage abandoned and historic mine sites for safety and conservation. He is affiliated as an Industry Fellow with the University of Queensland’s Centre for Mine Site Rehabilitation.

Dr Anthony Simmons, Associate Archaeologist, is an indigenous cultural heritage specialist with over 20 years of experience in providing archaeological advice and managing cultural heritage projects. The breadth of his experience includes working in the Wet Tropics of Far North Queensland, the Gulf country, Simpson Desert, Channel Country, Macintyre River area around Goondiwindi and the Darling Downs. Anthony has participated on a number of projects incorporating archaeological surveys, excavation, cultural heritage assessment, indigenous consultation, cultural heritage awareness training, site clearance, cultural heritage monitoring, repatriation of artefacts and cultural heritage management planning. Anthony has also led a number of archaeological investigations and site monitoring for the Burke and Wills Dig Tree in southwest Queensland. He has a wealth of experience and blends both technical and regulatory expertise to deliver informed professional judgment to any cultural heritage project.

CONDAMINE ALLIANCE “Redleaf’s highly professional attitude and quality project management skills ensured our project was completed to high quality, on time and within budget. Combined with extensive aquatic ecosystem knowledge, this provided a great combination that really supported the delivery of the outcomes we required.” Lucy Richardson, Manager Science, Condamine Alliance