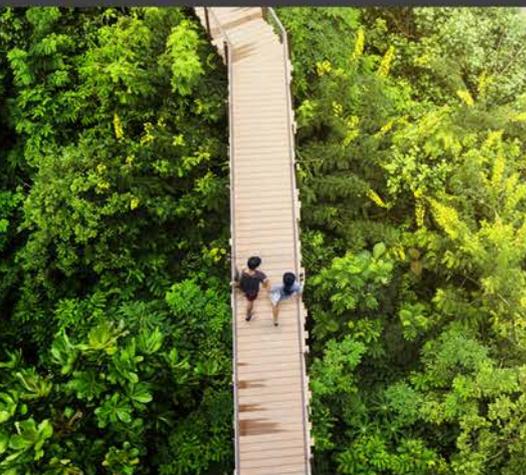




ENVIROSPHERE
consulting

CAPABILITIES STATEMENT
SUSTAINABLE RURAL PRODUCTION



Planning, Delivering & Managing for a Sustainable Future - Now



MISSION STATEMENT

We contribute to maintaining a healthier, more diverse and enjoyable planet to live on by providing high value, sustainable, environmental outcomes through scientific analysis, detailed planning, design and delivery of practical business solutions.



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HISTORY

ENVIROSPHERE CONSULTING



We have been consulting since 2010.

Envirosphere Consulting has been delivering practical & sustainable solutions since 2010.



Envirosphere Consulting's evolution to a dedicated team of environmental consultants and a broad network of associates is proof of our capability to deliver the very best environmental, economic and social outcomes for a diverse range of projects of increasing complexity.

At Envirosphere we have helped our clients achieve their goals in intensive agriculture and processing industries, natural resource management, sustainable rural production, urban residential and rural development, infrastructure delivery, ecotourism, nature-based recreation and natural areas management.

With a demonstrated ability to deliver, and a growing base of satisfied clients we are confident in our capabilities and have a positive outlook for our future in helping all organisations we work with to achieve better outcomes.

THE ENVIROSPHERE WAY



Serving your needs is our priority and we do this through a process of seeking to understand your unique situation first and then developing an appropriate and cost-effective way to overcome your challenges and achieve your goals.

High Value

Our style of consulting focuses on ensuring you get the best outcome for your project while addressing key requirements of the regulator. We do this by providing hands-on involvement throughout the lifecycle of your project.

Scientific Analysis

Envirosphere follows rigorous scientific methodologies to provide consistent and high-quality assessments, data analysis, reports, programs and solutions for our clients. While our consultants have a wide range of skills, knowledge and experience, Envirosphere's expansive network of specialist associates and academics assist with tasks such as experimental design, legislative advice and high end scientific analysis for more complex and sensitive projects.

Practical and Sustainable

We believe the best outcomes are achieved through win-win situations, resulting in a balance between the needs of our client and the environment. Our focus is on achieving good economic, social and environmental outcomes for all clients we work with. This approach has benefited costs and outcomes across all our projects by smoothing the pathway to approval, increasing product value for developers, reducing future maintenance burdens for land managers, and increasing and maintaining production for agricultural producers. We take the time to listen to our clients and understand their situation. We value the knowledge that is inherent in our clients and we integrate their knowledge with our industry understanding and experience to benefit their project.

Quality Control

Adhering to our Quality Control procedure produces consistent results and allows us to ensure a lower level of risk for each project we work on. Following our policy and procedure also ensures consistent results.

SERVICES CHAIN OVERVIEW



Envirosphere's chain of services are covered under five broad categories which include: Foresight, Planning and Design, Management, Environmental Monitoring and Sustainability. We operate at all points along the services chain from Foresight – conceptual design and feasibility right through to the later stages of environmental monitoring and implementing sustainability management actions.

Envirosphere's services are diverse and cover most sectors of the environmental field. Our specialist services include: Terrestrial and Aquatic Ecology, Soil Science, Ecological Restoration Management Planning, Land Assessment and Management, Landscape Architecture, Arboriculture Consulting and Environmental Monitoring.



FORESIGHT

Foresight

Envirosphere assists with foresight and vision to bring your project to life. This critical first step in project realisation looks at the environmental aspects and whether the project or land use is feasible, identifies strategic goals, looks at environmental risk and seeks out opportunities or environmental value-adds and ways to ensure sustainability.



PLANNING &
DESIGN

Planning and Design

Our planning and design services ensures that your project meets all necessary environmental compliance legislation and guidelines, that all competing and conflicting parameters are reviewed and addressed, logical steps are set out, synergies are identified and utilised and government regulator's reporting requirements are met.



Management

Envirosphere manages environmental projects and complex environmental components of major projects. We can take the lead and implement, manage and quality control all aspects of a project or work with Project Directors and project teams to implement works.

Our network of associates allows us to project manage the implementation of on-ground works. We source and manage contractors where needed in ecological restoration, vegetation management, track/trail and boardwalk construction, landscape implementation, fauna and habitat management and enhancement and a range of other environmental projects.



Environmental Monitoring

We will undertake monitoring to meet regulators guidelines or for scientific purposes to understand critical aspects of project implementation, success outcomes and identify areas for improvement.

At the forefront of technology, we utilise drones for physical inspections of natural assets and infrastructure, surveys for inaccessible or “difficult to access” sites and for monitoring of river catchments, broad-scale weed infestations, large revegetation and forestry plots and areas affected by bushfire. Coupled with GIS database technology, our use of drones has increased our environmental monitoring capacity.



Sustainability

Our aim is to bring the principles of environmental sustainability to all the industries that we work with. Through foresight we can identify environmental value-adds or undertake works in a more sustainable way, without significant extra costs to our project partners.

Thoughtful planning ensures that projects and programs reflect all environmental, social and economic opportunities and constraints and that designs are integrated, meet high standards and are practical and implementable. Finally, through our monitoring services we confirm project successes and report our findings to the Government regulators and implement adaptive management principles where needed to achieve project improvements.

We strongly believe in and use the principles of adaptive management to learn and to ensure continuous improvement in Environmental management.



CAPABILITIES STATEMENT 2017

SUSTAINABLE RURAL PRODUCTION

Our valued clients include Private Landholders, Rural Producers, Graziers, Poultry Farmers and Producer Groups that are seeking to run their businesses and manage their land in a more environmentally sustainable way. The team at Envirosphere appreciates the diverse needs of rural landholders and approaches to managing both the common and unique opportunities and challenges facing every owner. We work with our rural landholder clients to improve their understanding of the natural environmental values of their land.

Our services include: assisting with moving from traditional farming methods to more ecologically viable practices, helping identify and prepare plans to restore degraded land, assisting with pest management issues and related land management challenges, identifying potential impacts from their activities and management strategies to achieve the landholder's vision. We specialise in working with rural business owners to capture data about the characteristics of their properties, create long term plans for property management and improvement and implement property management plan actions.

We assist rural landholders in protecting and enhancing their land and ensuring that it achieves compliance with regulatory requirements and is sustainably managed. We also work with rural landholders to increase income and profitability by improving the condition and presentation of their property's land based assets or moving from traditional farming systems to mixed use farms and fully sustainable operations.

Examples of services we can provide to Rural Landholders include:

- Property and farm management planning
- Soils analysis and investigations
- Soil, water and groundwater monitoring
- Waterway assessments and mitigation measures
- Ecological analysis (including terrain analysis, vegetation and fauna surveys)
- Pest Planning (weed and animal)
- Liaison with regulatory agencies
- Training in property management activities
- Project design, planning and management for land restoration activities
- Options evaluation and business case analysis for property management issues
- Preparing applications for grants funding
- Data capture and presentation (e.g. GIS map production)
- Property Map of Assessable Vegetation (PMAV)
- Vegetation assessments and clearing plans
- Sediment and erosion control plans
- Stock management planning

CAPABILITIES STATEMENT 2017

SUSTAINABLE RURAL PRODUCTION

Client Type: Private Land Owner with Small Farm

Services: Assessment and Management Planning

Envirosphere developed a comprehensive Property Management Plan (PMP) for client to assist with the management of their 33ha property. The property owner's objectives were to gain a better understanding of the patches of native vegetation on their property, understand and quantify opportunities for pasture expansion and the general opportunities and constraints associated with all potential land management risks, such as ecologically threatening weeds, bushfire and erosion and soil degradation.

The aim of the project was to:

- Identify areas of suitable pasture and native vegetation, achieving a balance between the two in the most suitable areas for each;
- Plan for paddocks and water resources on the property;
- Identify weed problems on site and provide a strategy for the management of weeds.

We provided value to our client through identifying property specific risks such as erosion and high-risk weeds and outlining areas to be set aside for biodiversity. Our PMP provided a staged plan for rehabilitating degraded areas while identifying areas and outlining strategies for better use of part of their land for rural production purposes.

Client Type: Rural Producer

Services: Assessment, Design and Planning

Envirosphere was engaged by our client to prepare a landscape plan for an expansion of a poultry farm that was moving to a free-range farming system.

Our project brief included:

- a survey and analysis of the site;
- review of State Development Area Development Scheme guidelines;
- sketch design and development based upon a topographic survey, review of site opportunities and constraints and consultation; and
- Preparation of a detailed landscape concept design for the MCU application

Our landscape Plan provided direction including the protection and enhancement of the local water bodies, treatments for the stabilisation of site batters and plants for screening and dust suppression.

CAPABILITIES STATEMENT 2017

SUSTAINABLE RURAL PRODUCTION

Client Type: Rural / Industrial Business

Services: Environmental Monitoring and Reporting

Envirosphere worked in partnership with an Agronomist and a rural industrial business in the implementation of a trial is to improve soil quality through the addition of microbial soil amendments to pasture that is irrigated with high nutrient effluent water from the production facility

The research project measured changes to soil properties within an irrigated land application area for the purpose of enhancing the ability for the soil to capture and remediate waste water. The main concerns for the client included the reduction of nitrates, nitrites, sodicity and salinity in the soil to meet compliance requirements and return the land to a sustainable production system. Parameters measured to monitor changes in the soil profile included infiltration, soil density, subsurface moisture levels, chemical loading, and microbiological activity.

The project was undertaken over 2 years with Envirosphere undertaking 6-monthly monitoring of the trial plots, analysing field data and interpreting laboratory results and producing reports on the findings for our client and the regulator.

Development Infrastructure & Ecotourism

Envirosphere clients in this sector include Developers, Town Planners, Project Managers, Event Companies, Real Estates, Construction Companies, Eco-tourism and Nature-based Recreation Operators.

There are numerous legislative and regulatory responsibilities related to development and infrastructure provision in both the public and private sectors. Experienced consultants at Envirosphere understand Council processes, State and Commonwealth government requirements and smooth the pathway to achieve the necessary approvals. Our team keeps up to date with legislative changes and industry requirements for applications, reports, management plans and project implementation.

Intensive Industries

Our clients in this industry sector include Quarries, Resources, Intensive Agriculture, Energy and Industrial companies. Businesses in this sector generally operate under an Environment Authority (EA) and are often perceived as higher risk operations or are business that produce waste streams that must be carefully managed.

We understand EA requirements for intensive industries and have been involved with design, planning construction and ongoing operations. We work with our industry clients to provide key environmental information in the predesign, site selection and analysis phases of projects and we continue to offer environmental management advice and support our clients throughout the operational life of their business.

Government & Natural Resource Managers

Envirosphere clients in this sector include State and Local Government Agencies, Landcare, Water Resources, Parks and Wildlife Service, Private Conservation Land Managers, Catchment Groups and Indigenous Land Managers.

We have extensive experience in working with conservation land managers in both the public and private sector. Envirosphere has an excellent understanding of the specific needs of conservation land managers and the unique opportunities and challenges facing this sector. Our experienced team work side-by-side with our conservation land management clients to increase their environmental knowledge and improve management of their land. We regularly prepare individual property plans and integrated conservation estate management plans that help our clients protect and enhance the lands that they manage. Our services also include the development of programs, brochures, interpretive signage and media to provide conservation based communications and feedback to stakeholder groups and the wider public.

Sustainable Rural Production

Our clients in this sector include Private Landholders, Rural Producers, Graziers, Poultry Farmers and Producer Groups that are seeking to run their businesses and manage their land in a more environmentally sustainable way.

The team at Envirosphere appreciates the diverse needs of rural landholders and approaches to managing the unique opportunities and challenges facing every business owner. We work with our rural landholder clients to improve their understanding of the natural environmental values of their land, move from traditional farming methods to more ecologically viable practices, help identify and prepare plans to restore degraded land, assist with pest management issues and related land management challenges. We also identify potential impacts from farming activities and devise management strategies for improved agricultural practices, to achieve our client's vision of Sustainable Rural Production.



ENVIROSPHERE CONSULTING CLIENTS

AJ Bush & Sons (Manufactures) Pty Ltd	Logan & Albert Catchments (LARC)
Australian Residential Corporation Pty Ltd	Logan City Council
Boral	Mishani Pty Ltd
Brisbane Valley Protein Pty Ltd	Mortons Urban Solutions
Bushcare Services	Natura Pacific
Bushland Protection Systems	Ngarang-Wal Gold Coast Aboriginal Association
Cardno	Ownit Homes
Christian Heritage College	Pacific Land & Ecological Sciences
Cliff Face Pty Ltd	Pip Consulting
Conhur	Regency Constructions (Qld) Pty Ltd
Dixon Homes	RPS Group
Eco-balance	SEQ Catchments
Eurofinance Pty Ltd	SEQWater
Ghost Gum Developments Pty Ltd	SoiLife Australia
Gold Coast City Council	Spaceframe Buildings Pty Ltd
Grandcare Systems	Sunshine Coast Regional Council
Guanaba Experience	Taylor Willis Town Planners
Horseshoe Properties Pty Ltd	Those Guys Events
Jagen Pty Ltd	Tombolo Pty Ltd
LM Planning Solutions	Welbourne Group

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