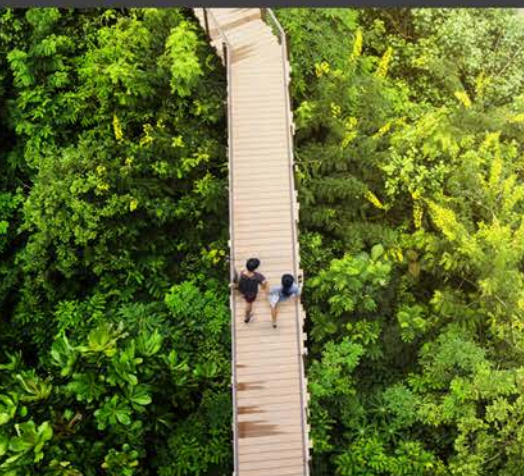




ENVIROSPHERE
consulting

CAPABILITIES STATEMENT
GOVERNMENT & NATURAL
RESOURCE MANAGERS



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.



ENVIROSPHERE
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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

GOVERNMENT AND NATURAL RESOURCE MANAGERS

This is an important industry sector for EnviroSphere which includes State and Local Government Agencies, Landcare, Water Resources, Parks and Wildlife Service, Private Conservation Land Managers, Catchment Groups and Indigenous Land Managers.

We have 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.

Examples of services we can provide to Government and Natural Resource Management clients include:

- Application drafting
- Property Management Planning (PMP's)
- Ecological analysis (including terrain analysis, vegetation and fauna surveys)
- Asset planning and current asset management plans for environmental and civil assets
- Development of Conservation Management Plans
- Pest Planning (weed and animal)
- Training in property management activities
- Project design, planning and management for land restoration activities
- Options evaluation for property management issues
- Preparing applications for grants funding
- Data capture and presentation (e.g. GIS\map production)
- Vegetation rehabilitation plans
- Stakeholder engagement and consultation
- Training program development and delivery
- Environmental monitoring
- Drone surveys, monitoring and aerial photography
- GIS data capture and presentation
- Landscape architecture and design
- Ecological analysis (including terrain analysis, vegetation and fauna surveys)
- Map-based plans for Natural Resource Management
- Threatened species impact management plans

CAPABILITIES STATEMENT 2017

GOVERNMENT AND NATURAL RESOURCE MANAGERS

Client Type: Local Government - Natural Areas Management

Services: Consulting and Management Planning

Envirosphere was engaged by a City Council to prepare two map-based ecological restoration plans for two Council Conservation Areas. A detailed project understanding was achieved through an initial inception meeting with the client, where site specific information was exchanged, questions were asked, and expectations were firmly clarified.

An important element of this project was the review of available published literature focusing on strategies, methodologies and case studies for approaches to restoring and rehabilitating degraded land and site-specific data and reports such as Regional Ecosystem Mapping, the current site plan, weed lists, revegetation lists, etc.

Site assessments were undertaken at each park to assess the health of the vegetation including; condition, structure, resilience, level of weed infestation, native recruitment, etc. Important features were captured with a GPS and boundaries were defined to allow the site to be divided into management zones. Additional native plant species that had not previously been identified onsite were added to a confirmed species list. All other potential management issues were also noted.

An initial field survey map was created for each of the two parks to use during the site assessment. It was based on Council's existing restoration zone mapping for both Parks. This map was then marked up accordingly (in the field), to assist with the design of the new map. Field data, GPS points and newly designed polygons (as marked up on the field map) were integrated with existing Council GIS data to create the draft map, which divided the area into new management zones. This was undertaken to prioritise treatment areas from high priority areas to lower priority areas; or to divide the site into manageable zones that required different treatments such as revegetation versus assisted regeneration or natural regeneration. The draft maps were presented to Council for review and feedback and suggested changes were incorporated to complete the final maps.

Client Type: Local Government – Environment & Sustainability

Services: Design, Consulting, Management Planning and Community Engagement

This rural landholder engagement project, Healthy Land, Healthy Rivers (HLHR), focused on providing landholders with best practice land management education, tools and resources; and networking opportunities with community and industry partners.

CAPABILITIES STATEMENT 2017

GOVERNMENT AND NATURAL RESOURCE MANAGERS

A major part of the implementation of the project was to provide an online Property Management Planning (PMP) tool guideline and associated workshop.

The PMP guideline described how a landholder could undertake property management planning by utilising the information provided by Council's online property management tool. We also delivered a complementary workshop on property management planning outlining how to effectively utilise Council's online property management tool.

The development of the online property management planning 'tool' included developing and packaging the following:

Mapping layers (and information):

- Aerial photograph
- Waterways
- Contours
- Remnant vegetation
- Property area and catchment background
- Riparian identification and management
- Fencing location and types
- Fire management
- Waste management
- Water sources and management
- Soil types and characteristics
- Animals –native and introduced- including stock management
- Pest (animal and weed) identification and management
- Plant identification and development
- Flood information

The second part of the project was to develop and deliver a PMP Online Tool - Workshop. EnviroSphere also, developed an "Example Property Management Plan" to be provided as a resource for attendees of the workshop.

The workshop's overarching theme was to bring about an improvement in catchment and waterway condition, with a focus on property productivity and lifestyle. The purpose of the workshop was to enable rural landholders to learn about Property Management Planning and enhance productivity and environmental conditions on their land. The workshop explored components (such as fencing, crop rotation, animal husbandry, etc.) for rural and semi-rural lots and ways to manage these, so that land holders could benefit from cost-effective and environmentally valuable outcomes. The workshop also included the use of the Tool and Guideline mentioned above and a demonstration by way of an example PMP of a property that successfully implemented property management planning.

CAPABILITIES STATEMENT 2017

GOVERNMENT AND NATURAL RESOURCE MANAGERS

The third and final part of the project was the “PMP Planning in Action Field Day”. The guided field tour selected a local property which was actively implementing PMP principles and offered the participants the opportunity to discuss property management “in action” including: weed and pasture management, native vegetation protection, poultry farming and moving from protein production to a mix of production and farm tourism.

Client Type: Local Government – Environment and Tourist Parks

Services: Feasibility, Design & Planning

Our Consultancy assisted a City Council to identify, document and evaluate options for the relocation of several buildings at an Island camping area to new environmentally sound locations. The project involved the assessment of the condition of hard and soft assets on the site to determine issues and implications for relocation of the buildings. Envirosphere undertook an evaluation of the environmental opportunities and constraints of the site to develop impact statements for all relocation options. Outcomes of the project were a set of preliminary design options and development of a landscape plan, tree management plan and set of standard operating procedures for vegetation management activities on the site.

Client Type: Catchment Management Organisation and State NRM Agency

Services: Assessment, Design, Consulting, Management Planning and Community Engagement

Envirosphere developed strategies to work collaboratively with landholders, to mitigate risks to source water quality in a rural catchment in South-east Queensland. Part of the brief was to identify potential contamination issues within each area and provide options for improvements to agricultural practices for current and future landholders. In collaboration with our NRM partners, we undertook surveys of agricultural enterprises in the study areas, provided a brief assessment of each property including condition assessment of waterways on each property, and developed a case study for each of the catchments and associated water treatment plants with options to improve on-ground management practices.

Developing good working relationships with rural landholders through ongoing engagement was a key outcome for future engagement processes.

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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