



Background

Continually improving access to spatial data and mapping software has meant that GPS, GIS and other spatial aids have become very useful property management tools.

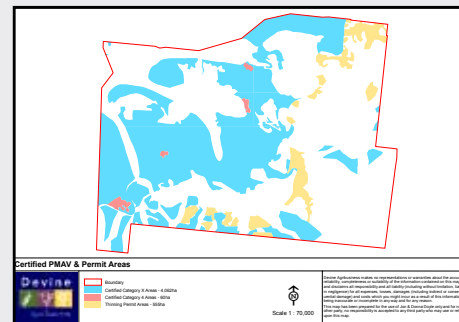
GPS and mapping technology can be particularly useful for ensuring regulatory compliance (for example in regrowth clearing operations), and also to assist in the planning of infrastructure development, such as fencing and water projects. Accurate land type and infrastructure maps are also a useful management tool for everyday operations, and are important to have on hand if you are considering selling your property.

Our firm can provide comprehensive mapping services tailored to suit the needs of your project. Using GPS and GIS technology, we can develop the plans and maps you require, generate the data you are seeking, or identify specific points for you on site.

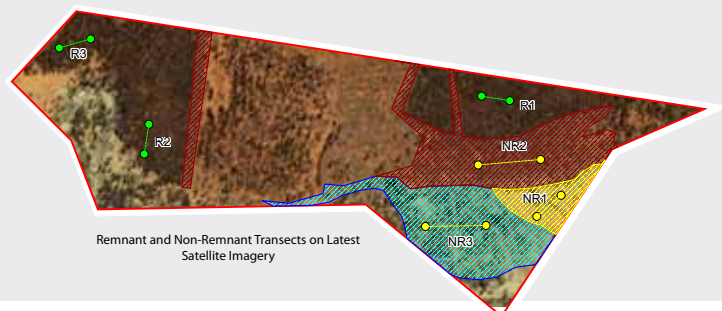
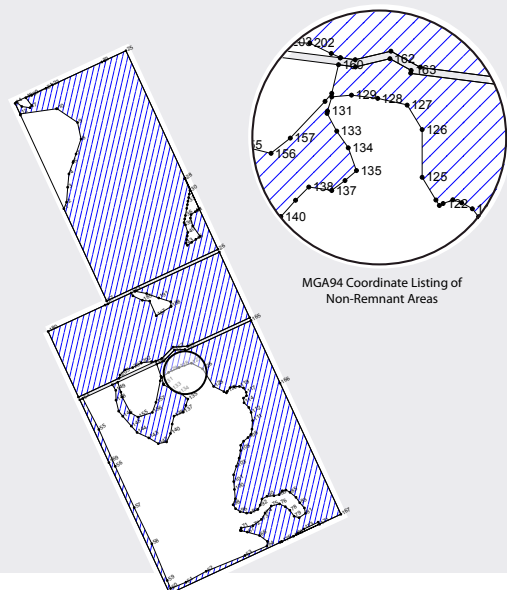
Project Areas

Regulatory Mapping and Compliance

- Generation of coordinates from regulatory mapping e.g. Regional Ecosystems map, PMAV's and uploading to GPS.
- Vegetation canopy cover measurements for thinning permit applications using current and historical aerial photography and satellite data.
- Preparation of maps overlaying regulatory mapping on satellite images and aerial photos.
- Assessing clearing history for contesting regulatory mapping.
- Developing accurate vegetation management maps and calculation of relevant areas e.g. remnant.
- Measuring cleared areas for contractors and landholders.
- Onground verification of regulatory mapping e.g. defining regional ecosystem boundaries, legal clearing boundaries (Category X).
- Coordinate creation and format translation for aerial contractors, e.g. defining fly zones for applying herbicide application to regrowth.
- Weed area identification and treatment zones.



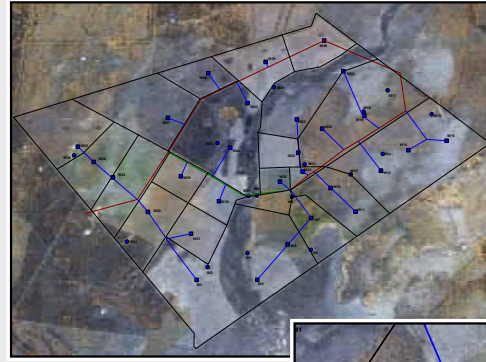
Certified PMAV and Permit Areas indicating Category X Clearable Vegetation



Remnant and Non-Remnant Transects on Latest Satellite Imagery

Infrastructure Design and Property Management Planning

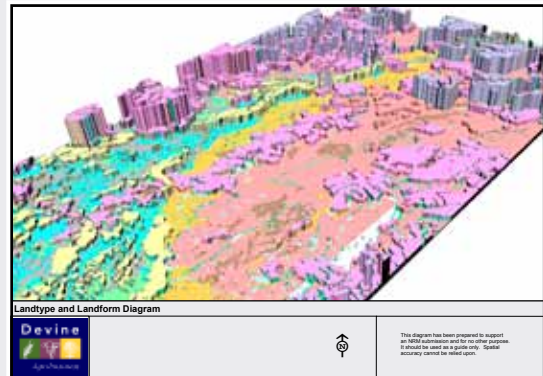
- Identify and map the location of property infrastructure and assets.
- Calculating lengths and areas of fences and paddocks.
- Acquiring high quality resolution satellite data or aerial photography as a basis for designing and planning new developments.
- Identify and recording of hazards as part of Occupational Health and Safety (OH&S) requirements for staff and contractors.
- Recording and reporting location aspects of vegetation/ecology/corridor management.
- Recording location aspects of water licensing and management.
- Recording location and extent of chemical or baiting treatments.
- Detailed property subdivision and water infrastructure planning and budgeting



Property Infrastructure Mapping including Paddocks and Waters on Latest Satellite Imagery

Natural Resource Planning

- Development of project maps for natural resource management activities and funding applications.
- Preparation of baseline natural resource maps to be used in planning of grazing patterns, crop development, or infrastructure locations.
- Mapping riparian protection and wetland areas.
- Identify and map natural resource boundaries or management unit boundaries such as soils, drainage and vegetation.
- Infrastructure planning around landtype and landform.
- Topography mapping for water development and infrastructure planning



3D Landtype and Landform Mapping

Property Sales Mapping

- Development of quality mapping in various formats (e.g. PDF) for ease of distribution.
- Provision and development of maps incorporating recent or historical satellite or aerial base maps as required.
- Situation, access and locality mapping.
- Regulatory mapping e.g., PMAV, Remnant Maps, Regional Ecosystems, High Value Regrowth, water planning areas, wetlands.
- Property infrastructure, fences, roads, yards, buildings, water points, pipelines paddocks and paddock areas etc.
- Defining pasture development extent and history e.g. stickraked, bladeploughed, sown to improved pastures etc.
- Delineating and measuring varying land uses e.g. cropping versus grazing.
- Natural features - land type, soils and drainage.



Property Development Mapping