GPSit
PRECISION LAND MAPPING

Farm Mapping
Drone & Draft Service
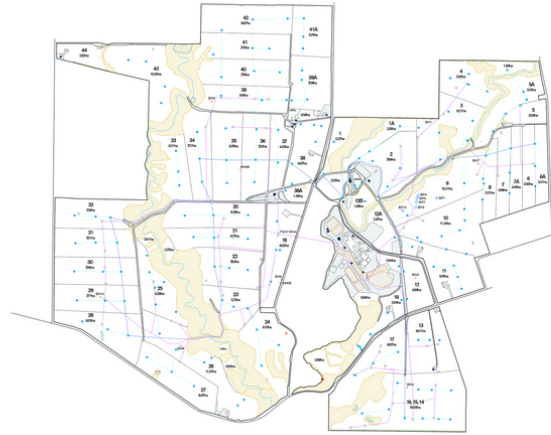
What's Included

This service includes a site visit from one of our field technicians to capture aerial imagery of your farm **and** drafting by our team of GIS technicians to produce an accurate farm map tailored to your unique farm features. 'Drone & Draft' quotes are more typically expensive than 'Draft Only' quotes and may incur additional travel and accommodation costs for the surveyors.

- ✔ Imagery Map (PDF)
- ✔ Non-Imagery Map (PDF)
- ✔ Shapefiles
- ✔ Site Visit

IMAGERY

Imagery maps include detail from the landscape. Our team will come and survey your property using survey-grade RTK (real-time kinematics) GPS units and drone technology, producing high-resolution imagery.

NON-IMAGERY

Non-imagery maps are simply your farm's highly accurate drafted details with the imagery removed. The effective (paddock) areas remain with a white background and other features such as bush and unproductive scrub/waste areas are colour coded as a point of reference while navigating this map.

THE DIFFERENCE

While the imagery map provides a general understanding of the land contours, the non-imagery map provides clearer detail of your unique farm features. Most of our clients prefer non-imagery copies for day-to-day use and printed products, however, we supply you both so you can choose how you use them.

Standard Inclusions

Here is a list of the features we can customise your map with.

Areas

- ☐ Productive
- ☐ Unproductive
- ☐ Service
- ☐ Waterways
- ☐ Races
- ☐ Native Bush
- ☐ Horticulture
- ☐ Forestry
- ☐ Leased Paddocks
- ☐ Riparian
- ☐ Conservation
- ☐ Runoff Paddocks
- ☐ Pivot/Irrigation
- ☐ Effluent Spread
- ☐ Trees (sub type)
- ☐ Crops (sub type)
- Other

Features

- ◎ Troughs
- ● Water Tanks
- – – Powerlines
- ∿ Streams
- ☐ Buildings
- ☐ Effluent Ponds
- ☐ Silage Pits
- ⌄ Farm Entrance
- T Taps
- ✕ Hydrants
- ▬ ▬ Animal/Vehicle Tracks
- ▪ Water Meter
- ▲ Valve
- ⫴ Cattle Grate
- ⁖ Quarry
- ✿ Loading Area

Hazards

- ✚ First Aid
- ↓ Crossings
- ▬ ▬ Steep Slope
- ▲ Forestry Machinery
- ⌂ Meeting Point
- ☘ Chemical Shed
- ⚡ Power
- ! Generic

Additional Features

These are additional features we can add for $165 per hour excl GST. *Additional features will be added to your final invoice.

Service	Description
Underground services/waterlines	If you already know where your underground/water services are, mark them out during the revision process and we can add them in for you.
Slope analysis*	Classify total area of property into categories by slope degree
Elevation map*	Show the change in elevation from a chosen point
Farm variance report	Provide us with your old farm map or old farm mapping data and we will create a variance report to show the changes in paddock size.
Map contours*	Understand the overall elevation and contours of your farm
3D Surface Area Map	Overlaying Digital Surface Model data onto the farm map.
Digital Surface Model (DSM)	Represents the sea level elevations of the reflective surfaces including trees, buildings, and other features elevated above the 'Bare Earth'.
Digital Terrain Model (DTM)	Digital Terrain Model data files contain the elevation of the terrain over your land, at a fixed grid interval over the 'Bare Earth'.
Design	Whether it's a few paddock splits or a complete overhaul, we can help you customise your farm the way you need it.
Additional feature's	Any additional map features not previously mentioned

*Slope analysis, elevation maps and map contours can only be accurately provided for land free of trees, bush or large areas of scrub.

The Process

Here is an overview of how we provide this service.

1

SITE VISIT

Once you have accepted your quote our experienced team will get in touch to arrange a survey of your farm.

2

DRAFTING

Once the survey has been completed our GIS technicians can begin drafting your farm map.

3

QUALITY ASSURANCE AND REVISIONS

Before finalising your map we will get in touch to review your specifications and features plus revise any changes that may be required.

4

FINAL MAPS AND PRINT PRODUCTS

We will supply you with two maps in PDF format. One is imagery (land details/greenery) and the other is non-imagery (white with paddock outlines). We'll also provide you with Shapefile formats should you want them. Pre-ordered printed products will be generated and shipped to you.