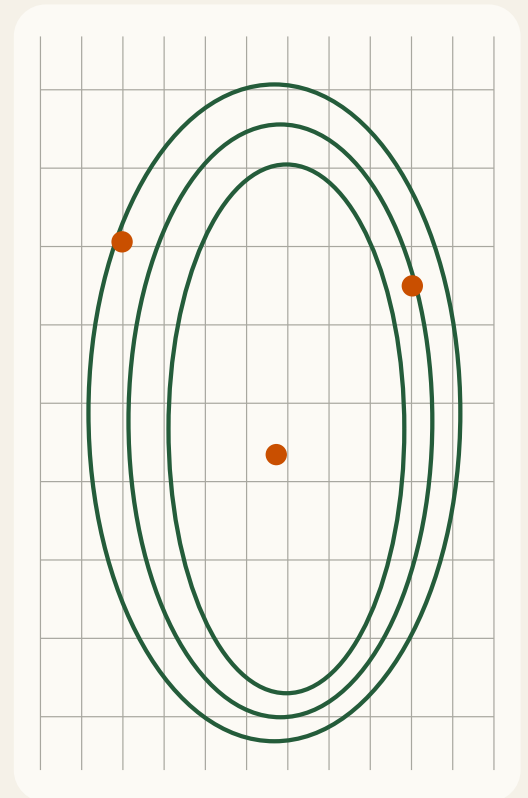




Aerial Mapping & GIS Brief

Capture with purpose. Process with context. Deliver for the decision.

A project-scoping guide for turning drone-captured site data into georeferenced imagery, terrain information, measurements, map layers, and organised records for downstream teams.



● Aerial capture | Photogrammetry | Mapping | GIS-ready handoff



The deliverable shapes the flight plan.

Useful mapping starts by defining the decision, coordinate context, accuracy need, coverage, and file format before field capture begins.

01

Define the use

Site boundary, decision, expected output, coordinate reference system, accuracy context, and delivery deadline.

02

Review the site

Access, airspace, permissions, terrain, people, weather, vegetation, and the ground-control strategy.

03

Plan and capture

Altitude, waypoints, overlap, payload, coverage, field checks, and organised capture records.

04

Process and check

Image alignment, georeferencing, orthomosaic or model generation, data cleaning, and quality review.

05

Deliver and explain

Agreed GIS or CAD-ready files, reference information, scope notes, limitations, and handoff guidance.



Make the next decision with the facts in view.

This brief is useful for

- Agriculture, construction, and infrastructure teams
- Mining, land, topography, and environmental projects
- Teams needing dated aerial records or spatial context

Confirm before you commit

- Boundary, access, permissions, and site conditions
- Coordinate system, control method, and accuracy need
- Orthomosaic, model, contour, volume, or GIS outputs
- File formats, delivery schedule, and limitations

At a glance

POTENTIAL OUTPUTS	Orthomosaics, terrain models, contours, volumes, and GIS layers
APPLICATIONS	Agriculture, construction, mining, infrastructure, and environment
HANDOFF	Agreed raster, vector, tabular, CAD, or GIS-ready files
SCOPING	Method and availability confirmed for each site

Scope an aerial mapping project

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Deliverables are not represented as a cadastral or legal survey unless expressly qualified and contracted for that purpose. Accuracy, resolution, control, and limitations are agreed during scoping.

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