



Capability Statement

Rural Drone Mapping - Multispectral - 3D Site Models

Taranaki-based aerial mapping for land, crop, and infrastructure insight.

Drone Mapping / Orthomosaics

High-resolution aerial maps stitched from overlapping images into one seamless, true-to-scale orthomosaic. These outputs clearly show fences, tracks, drainage, crop rows, buildings, and terrain, and are useful for planning, monitoring, and site understanding.

Multispectral / Crop Health

NDVI and multispectral data capture across blue, green, red, red-edge, and near-infrared bands helps assess plant health, land hydrology, nutrient deficiency, and overall environmental conditions across your block. We can also provide information on foliage density, plant stand counts, and other metrics suited to the job.

3D Modelling & Site Analysis

Scaled 3D models aligned to New Zealand coordinate systems help deliver real-world dimensions for planning, measurement, and site understanding. Models support visualisation and practical discussion around land shape, features, and project areas.

Equipment & Accuracy

GeoMap NZ uses professional-grade drones with mechanical shutters and RTK positioning for accurate, distortion-free mapping. Workflows include DJI D-RTK 2 corrections and GNSS base-and-rover ground control. In remote areas without mobile coverage, we can use an independent base station setup with UHF radio link to establish ground control points and improve reliability.

What GeoMap NZ Delivers

GeoMap NZ delivers drone mapping, multispectral analysis, 3D modelling, and environmental monitoring using professional-grade equipment. Outputs are tailored to your needs, including repeatable surveys to track change over time. Locally run with low overheads, we offer responsive service and competitive pricing while delivering work that stands up alongside larger providers.

Contact

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For planning, visualization and general information. GeoMap NZ does not provide cadastral survey. Not for legal boundary definition unless verified by a licensed surveyor.