

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

DRONE MAPPING / ORTHOMOSAICS

High-resolution aerial maps stitched from hundreds of overlapping images into one seamless, true-to-scale ortho-mosaic.

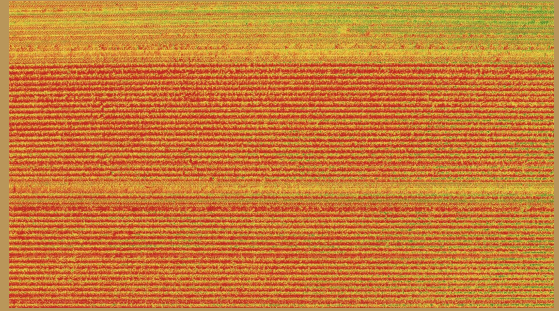
Ground sampling distance (GSD) can be as fine as 5 mm where required, with typical relative accuracy of 2–5 cm.

Maps clearly show fences, tracks, drainage, crop rows, buildings, and terrain, and can be printed at full wall size (top-to-bottom) in high photographic quality.



MULTISPECTRAL / CROP HEALTH

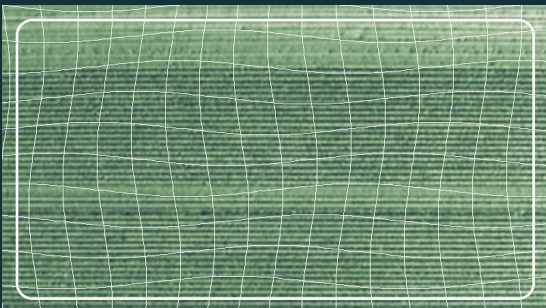
NDVI and multispectral data capture using RTK-enabled sensors across multiple spectral bands (blue, green, red, red-edge, and near-infrared) helps assess plant health, land hydrology, nutrient deficiency, and overall environmental conditions across your block. We can also provide information on foliage density and plant stand counts, and other metrics that you may require.



3D MODELLING & SITE ANALYSIS

Scaled 3D models aligned to NZ coordinate systems, delivering real-world dimensions for planning, measurement, and site understanding.

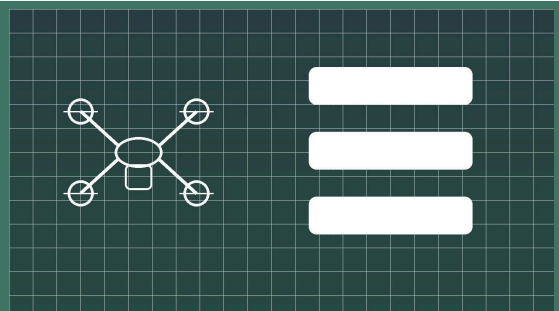
Compatible with CAD/GIS workflows for volume calculations, earthworks, and infrastructure planning, with export options and additional layers such as slope mapping, contours, drainage, and vegetation zoning.



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 utilize an independent base station setup with UHF radio link to accurately establish ground control points, ensuring reliable results anywhere.



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.

Part 102-trained pilots currently operating under Part 101 (pending).



CONTACT

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Okato, Taranaki | Available across NZ.

Te tika ā-wāhi o ngā whakaahua

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