



www.flightworks.nz

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CURRENT SERVICES WITH AERIAL DRONES

AERIAL MAPPING & MONITORING

Efficient and effective for:

Orthomosaic images: *vegetation mapping, weed detection, restoration planning and monitoring.*

3D point cloud models: *volume and terrain analysis, and visual presentations.*

Oblique photos and video: *photo-point monitoring, landscape overview, and visual presentations.*

- High resolution imagery
- Vegetation typing from the orthomosaic and ground-truthing
- Detect and waypoint weeds by orthomosaic grid-search
- Orthomosaic colour analysis as a visual search aid
- Smart-phone orthomosaic for field data collection
- Close-up imagery of targets to confirm species
- Surface elevation model and contours
- Virtual reality fly-through of 3D models, interactive 3D models
- GIS data analysis and presentation



AERIAL CONTROL

Precise spraying for: safe access to difficult sites, sensitive environments, and urban areas.

- Wand spraying for precise targeting
- Boom spraying for larger areas
- Herbicides, fungicides or insecticides
- Auto-fly to weed waypoints
- GPS tracks of where the drone has sprayed
- Spray volume record



Part 102 Certified

We need some initial information to help price a quote for your project:

- Where is your Area of Interest (e.g. a shape in Google Earth)?
- What is the lowest image resolution necessary to achieve the project objectives?
- How accurately geo-referenced does the orthomosaic need to be?
- Do you have permission from landowners to fly over their land?
- Is there vehicle access to set up flight bases near the site?
- Can we maintain line-of-sight of the drone from vantage points?

Get in touch with hamish@flightworks.nz to discuss your project.