

CASE STUDY

Gorse Eradication

DroneMate™
EVERYTHING AERIAL



Problem

Finding invasive plants such as gorse across large and steep terrain can be a problem. It is impossible to see everything from the ground and some areas are difficult and hazardous to access.

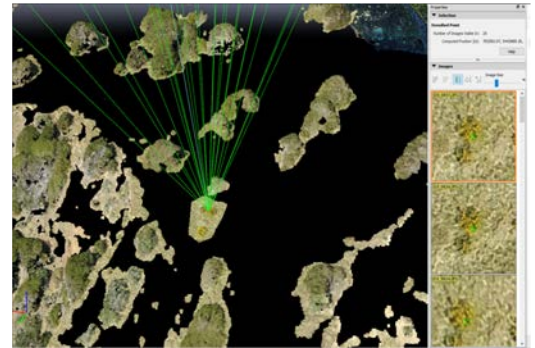
Approach

1. DroneMate was hired to provide a survey of a 500+ ha sheep farm with significant terrain and access issues.
2. The farm was surveyed using a standard DJI Phantom 4A drone.
3. Within 24 hours the maps were produced and shared using web links. Quick review showed hidden patches of gorse, requiring further investigation.
4. Using the software's object classification tool, we isolated all shrubs on the farm.
5. In one hour we identified most of the gorse on the farm, producing a geo-located map that would lead a person to gorse locations for spraying.

Solution

Fast, accurate and sharable (through a web-link) maps were delivered quickly to the farmer allowing him to manage his time more wisely around the island.

DroneMate's mapping and plant identification process was faster, safer and more detailed than a person walking or driving across the 500+ ha farm.



Using DroneMate's Part 102 CAA exemptions to increase our survey height, we surveyed the farm in a day and provide the final outputs and information to the client within 48 hours of completing the flight. Aside from locating gorse, the maps (including 3D models) were used for many other activities. It is likely the farmer will continue to find new uses for the outputs for years to come.

Talk to us about how we can help you enhance your farm decision making.

📍 25 McShane Road, RD1 Richmond, Nelson, 7081
✉ sales@dronemate.co.nz

☎ 0508 DRONES (376637)
🌐 www.dronemate.co.nz

