

Resolution[®]

Packages available

Resolution[®] ETS Farmer

- ◇ Scheme participation decision-making and basic forestry plot creation
- ◇ Allows submission using a Google Maps image
- ◇ Support package add-ons available to purchase
- ◇ No charge for non-profit use
- ◇ Single submission only

Resolution[®] ETS

- ◇ Advanced forestry plot creation
- ◇ Upload your own farm map imagery and spatial files
- ◇ A wide range of file types supported
- ◇ Includes standard support package
- ◇ Support upgrade packages available at an additional cost
- ◇ For non-profit use
- ◇ \$200 for annual subscription

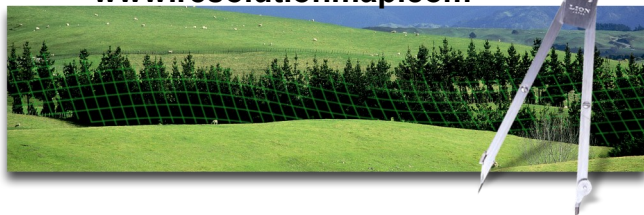
Consultant packages and additional add-ons are available. Please see our website or contact us for more information.

Feature development

The Resolution[®] development team is continually working on improving Resolution[®] products and creating new features.

We welcome and value all feedback on improving Resolution[®] ETS and making it the premier ETS forestry tool.

E-mail: resolution@agresearch.co.nz
Phone: 0800 4 AGSOFT (0800 424 7638)
www.resolutionmap.com



Resolution[®]

ETS



What is Resolution® ETS?

Resolution® ETS is a handy tool for owners of forested land who are required to file an Emissions Trading Scheme return. This simple software application eliminates time and hassle with automatic calculations and file output.

Use drawing tools to outline forest plots and click to enter details about each plot. Resolution® ETS calculates the area for you and generates the files. Your ETS return is prepared and ready for submission!

Map it

Start with a basic map showing your farm's forested areas.

Google Maps image capture

Search your property using the Google Maps feature and capture an image to use.

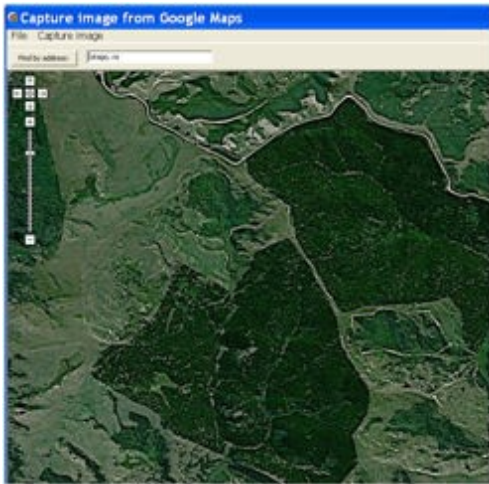


Figure 1. An image taken using Google Maps image capture

Google Maps image capture is available with Resolution® ETS Farmer.

Import an image

Resolution® ETS (standard) allows you to import your own farm map and files.

Note that high-resolution ortho-corrected imagery is recommended for optimal accuracy.

Imagery import options include:

- ECV
- JPEG
- GIF
- TIF
- PNG

The spatial files supported include:

- GPS waypoints
- Plots from a GPS
- GPX files
- SHP files in NZGD49 and NZGD2000

Draw it

Resolution® ETS Farmer and Resolution® ETS both offer advanced drawing tools to help you easily mark out forest plots on your map.

Choose a drawing tool from the toolbar below the main menu, at the top of the form.



Figure 2. The drawing toolbar

Polygon tool

You can use the polygon tool to draw a plot by clicking vertices (corners) with the left mouse button.

To complete the shape, right-click to create the final vertex (corner), or move the mouse close enough to the starting point for it to snap closed.

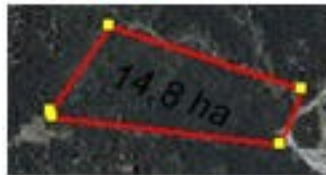


Figure 4. A plot drawn using the polygon tool

Polyline tool

Use the polyline tool to draw a curved line by dragging the mouse while holding the left button down. Release it to complete the shape.

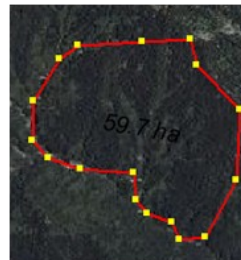


Figure 6. A plot drawn using the polyline tool

Excluding tools



Excluded regions (holes) can be drawn within existing plots using the polygon hole or polyline hole tools.

An excluded zone within a plot is marked with a pink border.



Figure 9. Several plots clipped together



Figure 8. An excluded zone within a plot

New plots will automatically clip to existing plots if they are drawn close together.

Speed buttons



These buttons allow points to be added or removed and lines to be removed from polygons.



Figure 11. Original plot



Figure 12. Plot with extra points added

Dragging points and lines

Objects can be dragged around by positioning the mouse over the point, line or polygon interior and moving the mouse while holding down the left button.



Figure 13. A plot with the border of one side moved

Zoom

You can zoom in or out using the zoom buttons on the toolbar, or by holding down the *Ctrl* key while using the scroll wheel on your mouse.

Scroll

You can navigate around the image by a variety of different methods:

- Drag the yellow rectangle around the locator window (at the top of the screen)
- Move the horizontal or vertical scrollbars
- Scroll to the left or right by holding down the *Shift* key and using mouse scroll wheel
- Scroll up or down by holding down the Windows key and using the scroll wheel
- Click the Pan image button (the orange hand icon) and drag the image around
- 'Drag and drop' the image by holding down the *Ctrl* key while you move the image around.

Note that the image automatically scrolls if required while you are drawing plots near its borders.



Forest plot data	
Forest kind	Pre-1990
Plot name	FB234
Date purchased	1/01/1970
Latest species	Radiata pine
Date planted	1/1/2002
Date harvested	18/02/2010
Age (years)	8
Calculated area (ha)	1.05
Tonnes CO2	

Figure 14. Navigator window and plot properties

Calculate it

Once you have drawn your forestry plot and entered its data, Resolution® ETS calculates the area for you.

Export it

Resolution® ETS outputs the forestry plot you have just created as an SHP file, as required by MAF. Your ETS submission is ready!