Avenza Maps
Fact Sheet

What is Avenza maps

A mobile app that allows you to download maps for navigation use. The app uses your device's built-in GPS to track your location on any map.

App Features

- Works offline
- Use various types of maps
- Track current location
- Plot and record information about locations
- Import and export placemarks
- Measure distance and area
- Collect data
- Plot photos

What you need

- Georeferenced/PDF map, DAF will have OHP versions of this
- Avenza maps app (free version allows 3 maps)

Forestry uses

Avenza maps can be applied in forestry in a wide range of ways.

Planning

- Basic navigation - identify boundaries and location
- Infastructure planning
  - Extraction track planning
  - Road and landing planning
- Calculate snig, haulage and road distances
- Mark location of timber

During operations

- Map and calculate completed area
- Basic navigation - identify boundaries, and location.
- Collect important information
  - Koala
  - Hazards
  - Waterways
  - Log stacks
  - Location of timber
- Calculating distance including haulage, snigging and so on
- Incident report information
- Collect photos
- Collecting GPS coordinates

Features

Features

Crosshair/arrow
Current location, navigation, shows bearing and direction.

Pin or placemark
Drop pins or placemarks. These can be named and show different symbols. Images can be attached.

GPS coordinates
Notice as you navigate around, the GPS coordinates change. You can click the below GPS slot, and change the coordinate type.

Layer tool (pin with three lines or three squares)
All information is saved as different layers. Layers can be turned on and off. Different files show different layers. These can be exported and imported.
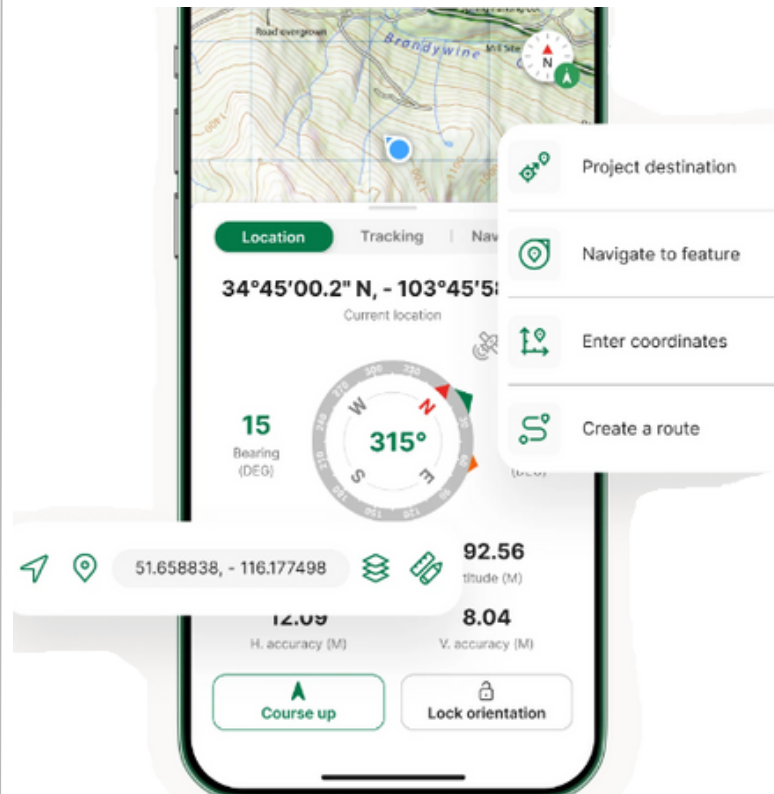

Draw tool

The draw tool can measure distance, lines and surface area. Every time you tap your finger, the line draws a new segment.

The line colours can be changed and the area can be transparent. Images can be attached.

This feature can also record GPS tracks, track by location, plot photos.

Avenza Maps Features

Import and export data

Forestry uses

How to begin using
- Request a georeferenced map from DAF (your local forester)
- Open the map in emails
- Import the OHP map into Avenza Maps.

How to import and export data
- Use the layer tool or select information tool.
- Click the export layer button to export information.
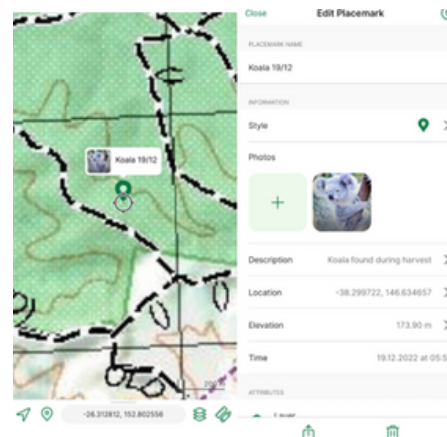- Use bluetooth, email or airdrop to send data.

Koala management
- Collect pin (location of koala).
- Location, time and date .
- Take photo of koala.
- Use the 'location' symbol to determine distance from pin.
- Send pin information to DAF (your local forester).

Example of koala management

Harvest planning
- Turn on GPS tracking to track location.
- Use draw tool to measure operational area and plan snig tracks.
- Collect pin to identify landing.

Using Avenza features- pin and draw to collect information.

Example of harvest planning