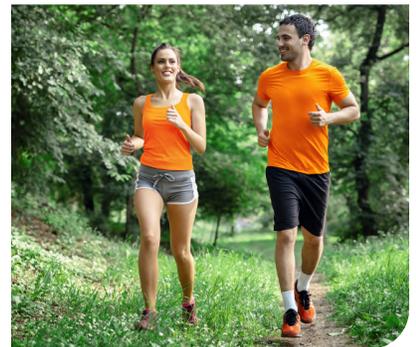




AVENZA MAPS

# Quick Guide.

An Introduction to Avenza Maps.



# Avenza Maps

Avenza Maps is a powerful app for Android and iOS devices that provides a variety of tools for use with georeferenced maps, both online and offline. Maps can be imported from your own source, or downloaded from our Map Store, which contains thousands of professionally made maps from cartographers worldwide.

This introductory guide will help you navigate, understand, and start using Avenza Maps.

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# 1.0 Getting Maps

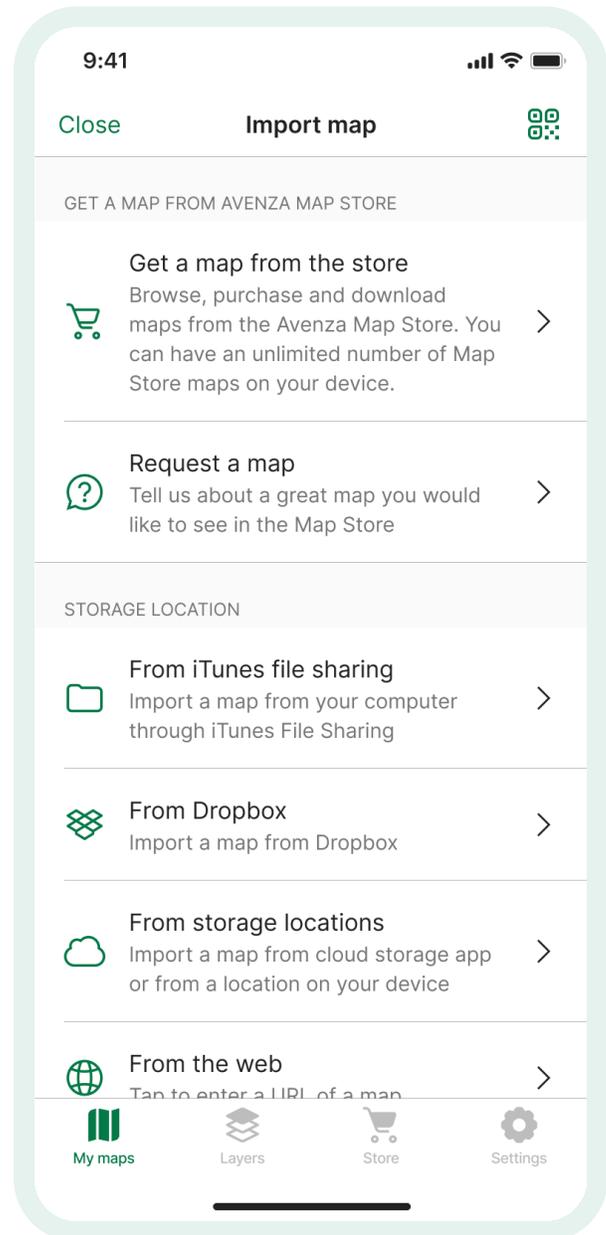
You can import your own maps from a custom location or download them from the  **Map Store**.

You can add custom maps from the My Maps page by tapping . Maps downloaded from the Map Store will be available in this list as well. The next section will describe how to get maps from the Map Store.

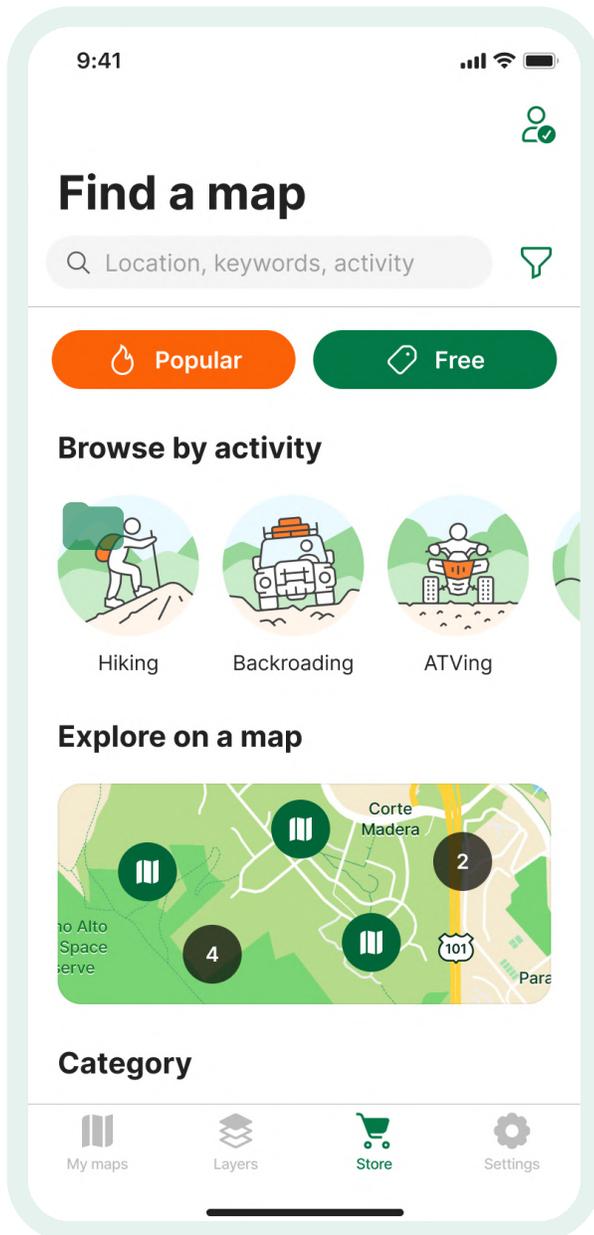
## Supported Formats

Avenza Maps currently supports the following formats:

- Avenza Maps File (.avenzamaps, .pdfmaps)
- Custom Scheme (avenzamaps://, pdfmaps://)
- GeoPDF (.pdf)
- Geospatial PDF (.pdf)
- GeoTIFF (.tiff, .tif)
- JPG (.jpg - must be packaged with either a TFW & PRJ / JGW & WKT in a ZIP file)



## 2.0 Map Store



An Avenza Maps account is free to create and allows you to download maps, and manage your subscriptions. Make sure to have an account before using the Map Store.

In the Map Store, you can search for and download millions of free and paid maps created by professionals from around the world. Browse maps based on category, popularity, location and more.

View additional map information and preview it before downloading/purchasing a map.

## 2.1 Accessing Maps

Here you can view all downloaded and imported maps, create and edit collections and folders.

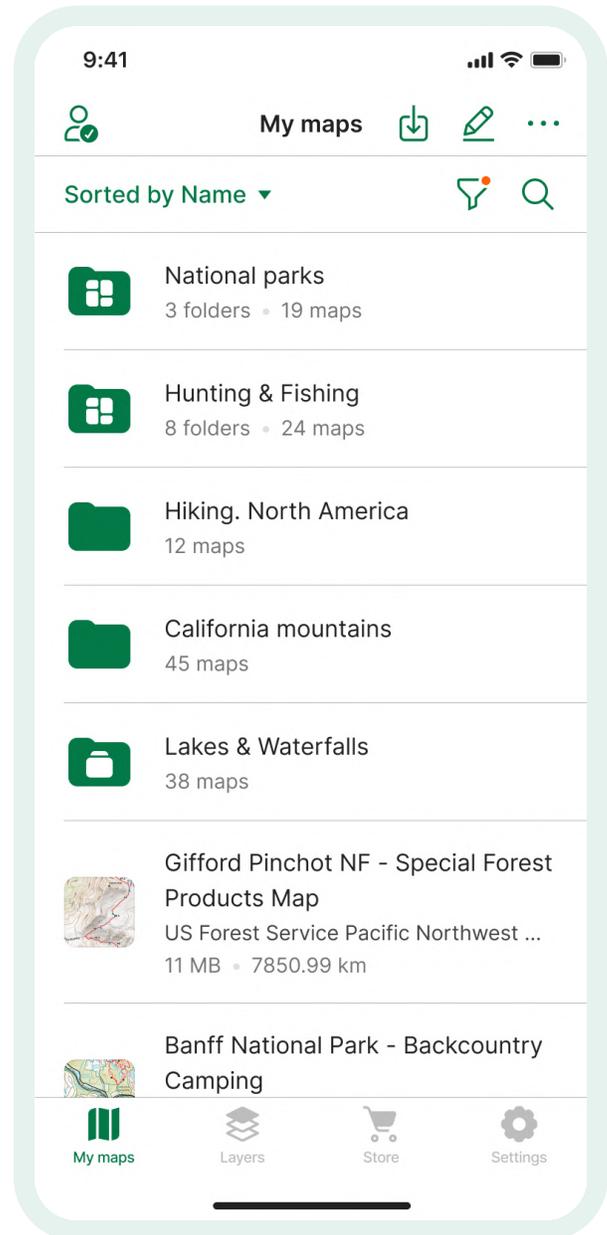
 Access or create a Map Store account (see Section 4.1 for more details).

 Edit maps, folders, and collections in this list.

 Resume active map downloads and check for updates.

 Filter the My Maps list.

 Search a map in the My Maps list.



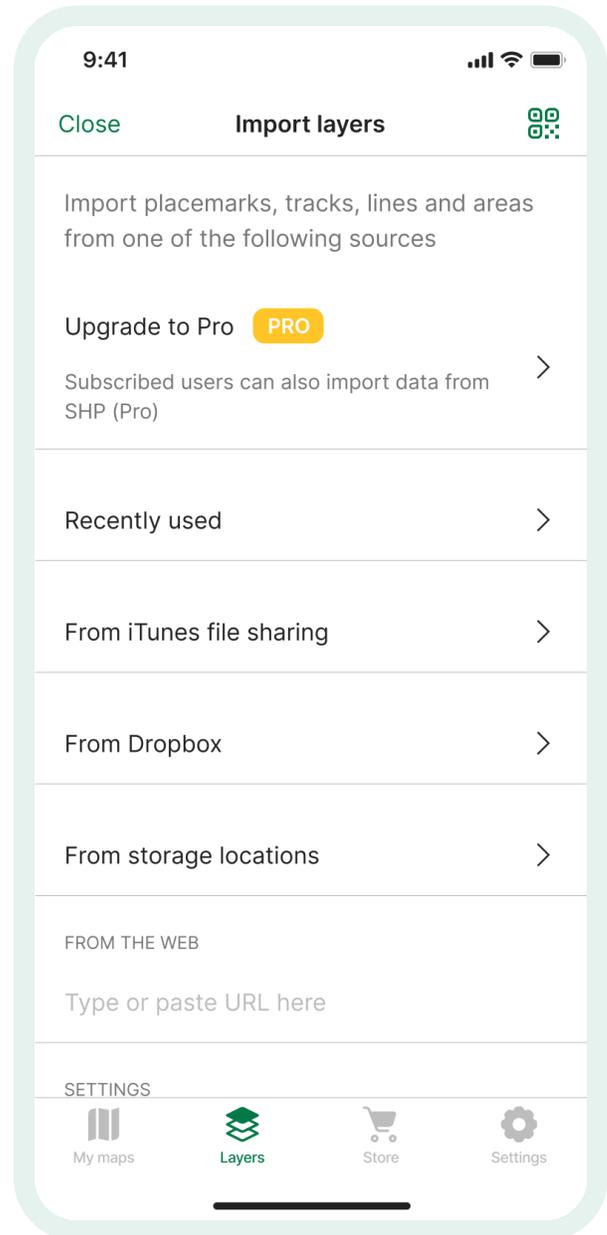
## 2.2 Importing Map Features

Import custom map features directly to your Map View or Layers in KML/KMZ formats, or .SHP (PRO) in a ZIP package.

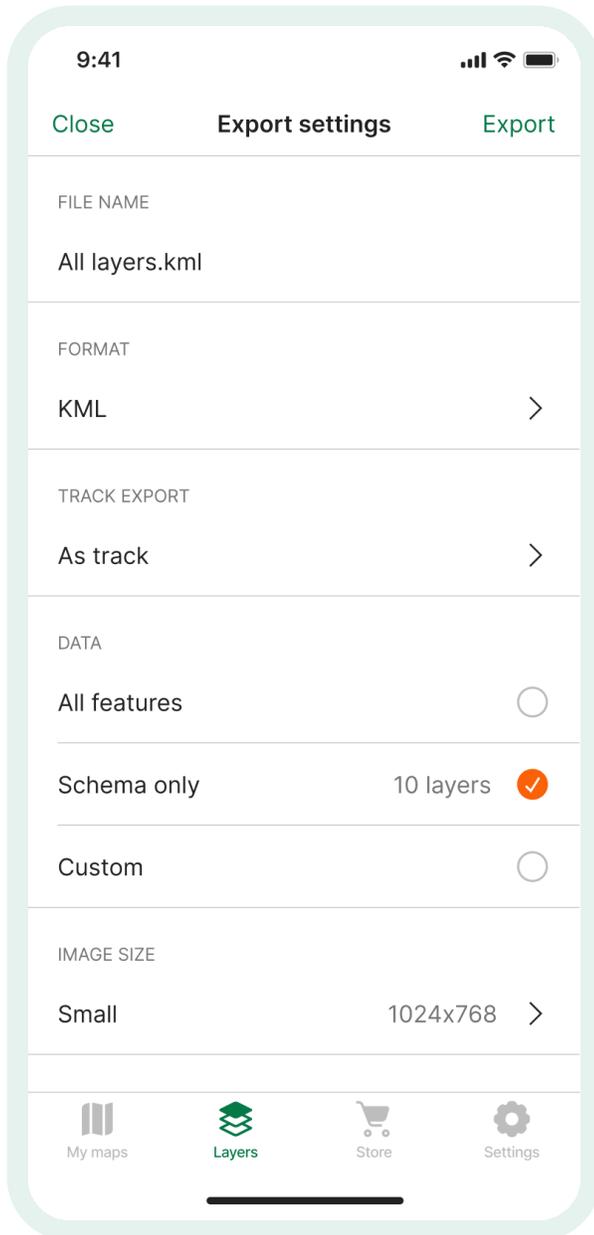
You can access the Import Map Features page directly from Map View or Layers.

### Features or Schema

when importing map features you have the option to import map features and schema, or schema only. Importing schemas will not import any features, only styling and attribute information. All attribute schemas must be in KML/KMZ formats.



## 2.3 Exporting Map Features



Export custom map features such as placemarks, tracks, lines, areas, and more directly from Map View or Layers in KML, CSV, GPX, or .SHP formats. You can export map features directly from Map View or Layers.

**Note:** to re-import data into Avenza Maps, map features must be in KML/KMZ or .SHP formats.

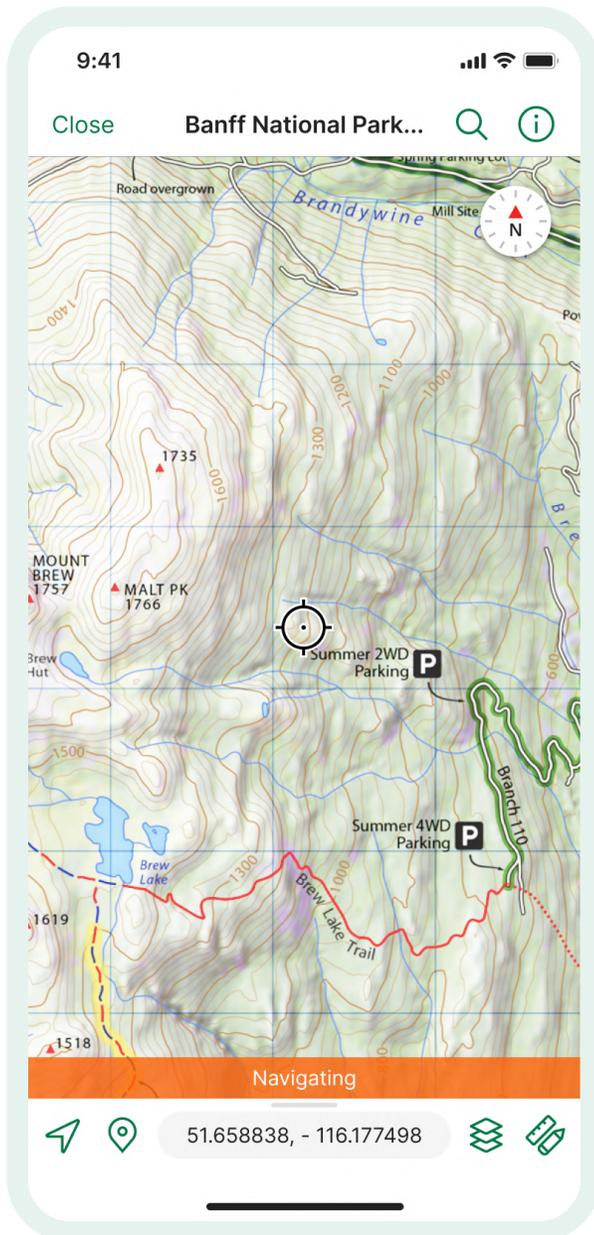
### Track Settings

When exporting data that contains tracks, you have the option to export it as a track or a line. This will determine what feature/tag type is assigned to track features and should be chosen based on the desired output of the data.

### Images

Exported images are supported in two formats: KML/KMZ (exported file will be a KMZ with the photos contained with a folder), and .SHP exported as a ZIP file.

## 3.0 Map View Overview



Entering the Map View, you can access many of Avenza Map's features and tools including viewing, searching, and editing map information.

The following gestures are supported in Map View:

-  **Single tap:** show/hide toolbar and labels
-  **Single tap + drag:** pan the map
-  **Single tap + hold on placemark:** reposition placemark
-  **Double tap:** zoom in
-  **Two finger tap:** zoom out
-  **Two finger rotate:** rotate map

## 3.1 Navigation Panel

Swiping up from the bottom menu enters the Navigation Panel. With Location Services enabled you can view location, tracking, and navigation properties within the map.

### Location:

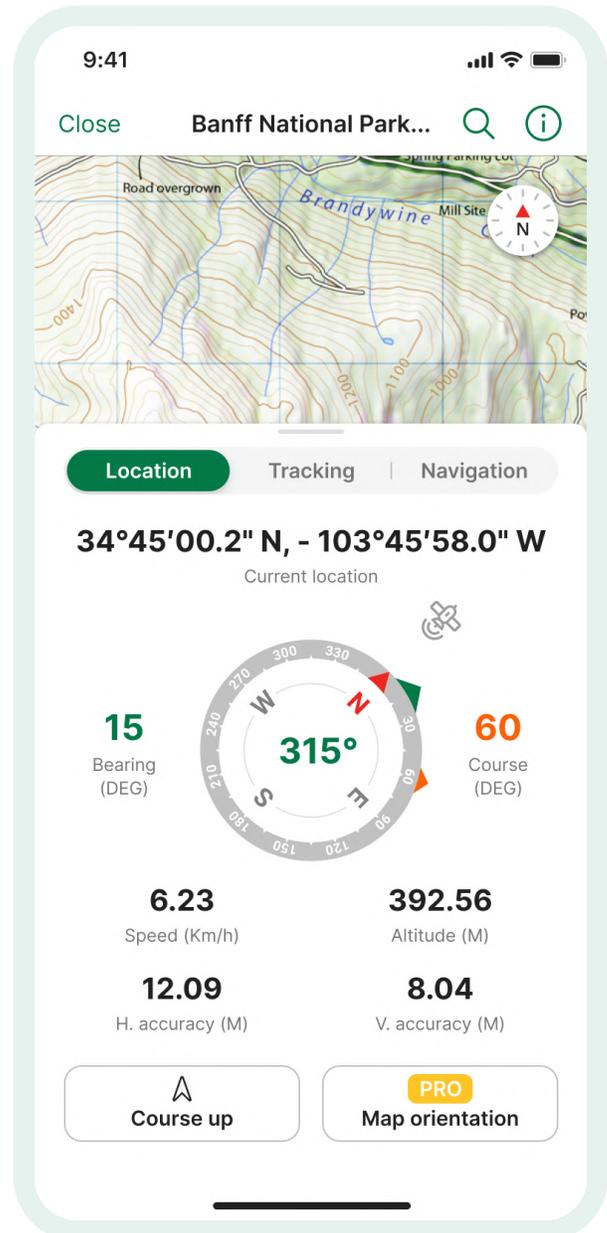
View your current location, orientation, and coordinates in real time.

### Tracking:

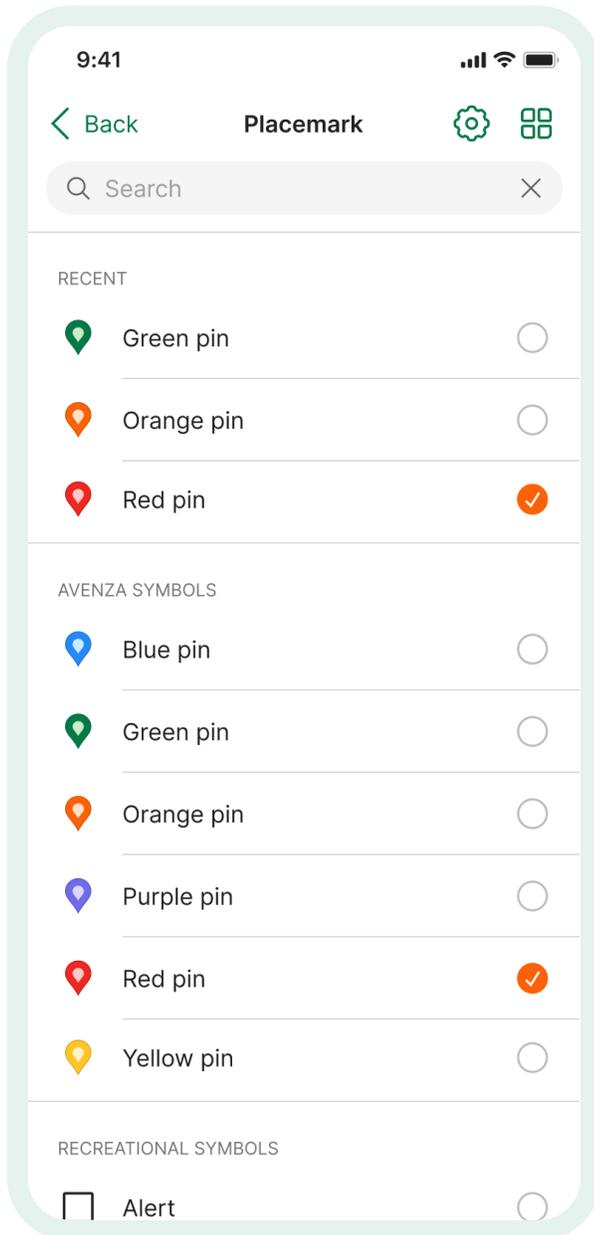
Track your path on your map to create an editable map feature.

### Navigation:

Project your destination, navigate to a feature, enter coordinates, and create routes.



## 3.2 Create Placemarks



Tap the Placemark icon  to create a new Placemark.

Placemarks are point of interest on your map that store geographic information and other details. You can manage Placemarks by tapping them on the Map View or through the Layers screen.

### Custom Icons and Colors

You can add your own icons to Avenza Maps for map features such as placemarks. They can be imported in KML/KMZ format independently, or external sources like Google Earth.

### Photos

Avenza Maps requires permissions to access your camera and gallery so you can add photos to your maps.

Custom icons and colors can be imported from the Map View or Layers pages.

### 3.3 Map Tools

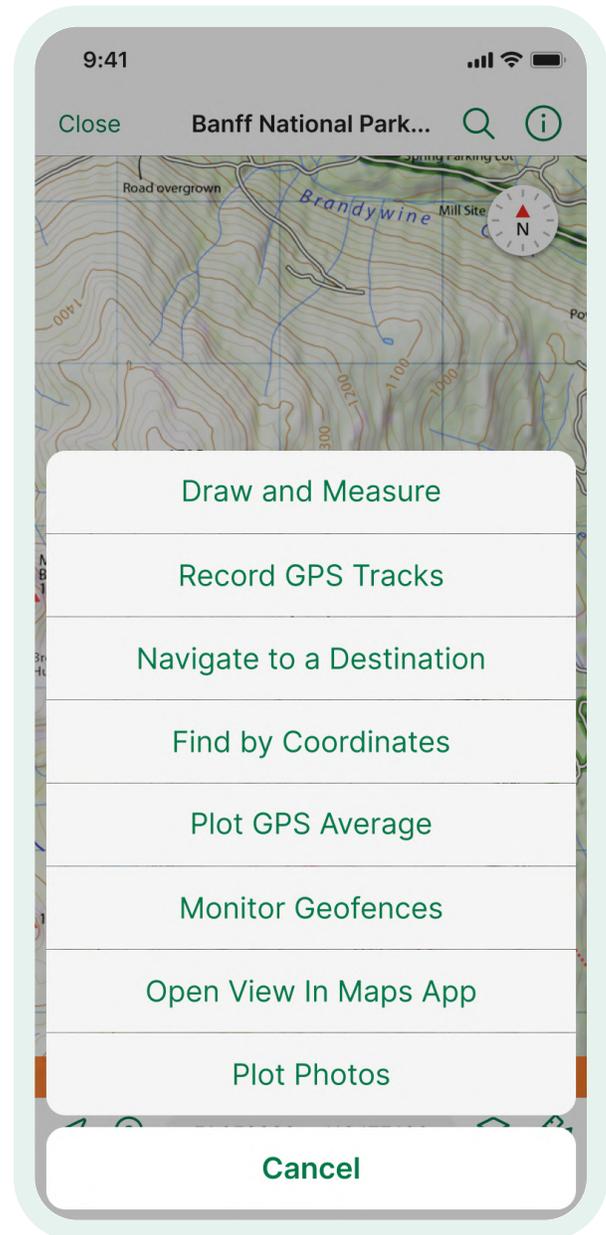
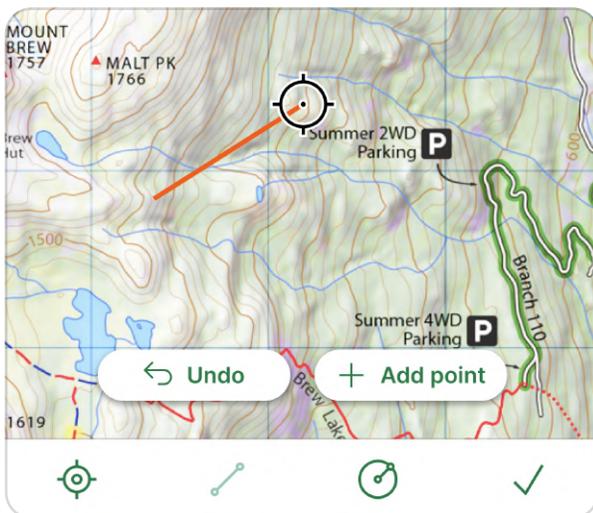
Tap the Tools icon  to access more features.

#### Draw and Measure

Draw, measure and save areas, circles, and lines on the map.

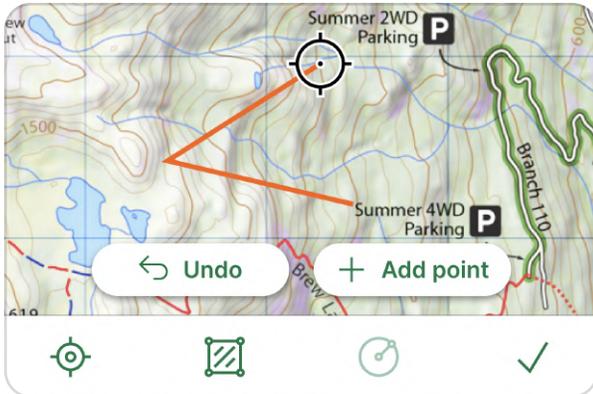
#### Draw and Measure a Line:

tap on the preferred location to start drawing a line, tap again add points to your line, then tap the check mark icon to end.



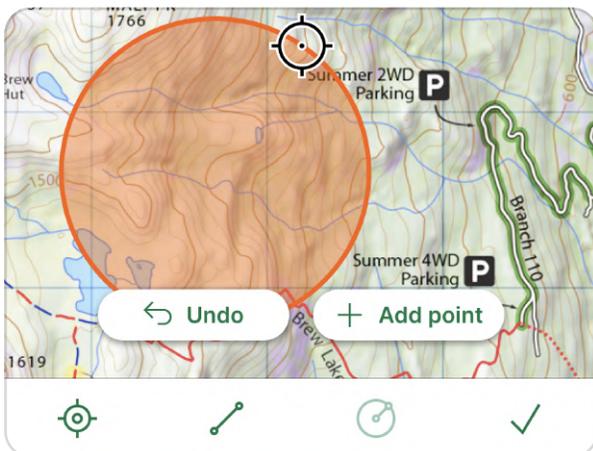
### Draw and Measure an Area:

tap on the preferred location to start drawing a line, when you have a minimum of two points on your line, tap the pointed line icon to create an area instead.



### Draw and Measure a Circle:

tap on the preferred location to start drawing a line, when you have a line drawn out, tap the circle icon to enable. You can edit the size of the circle by dragging your crosshair.



### Drawing using Point by Point or Course and Distance:

with the tool open, long press on the preferred location and a display will appear at the top. Click on it and you alternate between Course and Distance or Point by Point.

**Course and Distance:** tap on the preferred start location, course and distance can be edited by tapping on their fields.

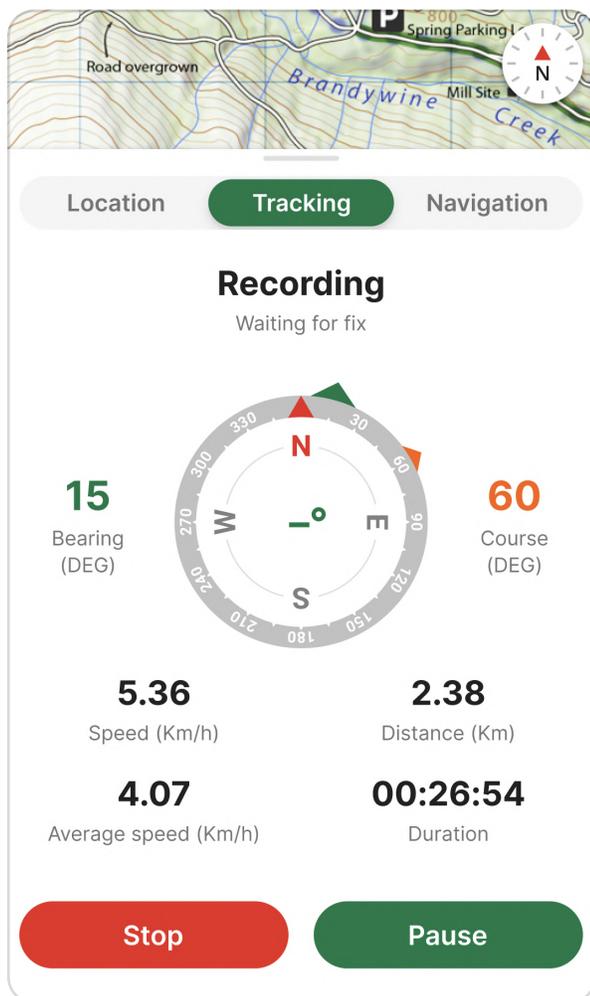
**Point by Point:** input known coordinates for each point along your line.

<b>Total: 126.34 km</b>		
<b>Segment</b>	<b>Bearing</b>	
58 km	5°	
<b>Point</b>		
34°45'00.2" N, - 103°45'58.0" W		

## Record GPS Tracks

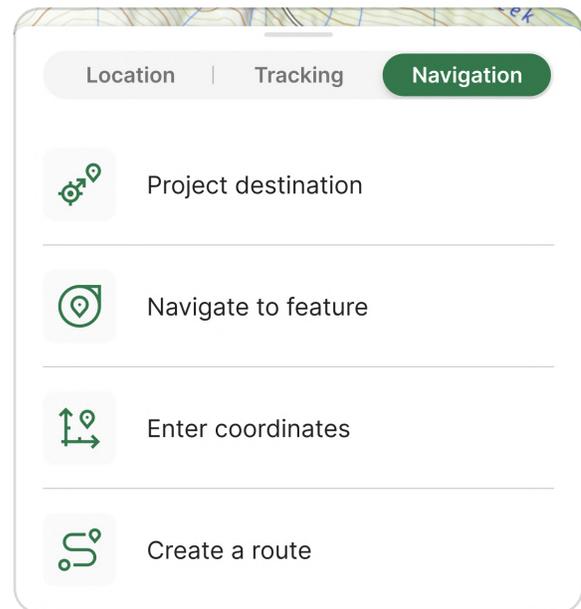
With Location enabled, you can record your tracks on the map.

Once you record a track, you can view it and export it. Tracks can be edited directly by tapping them on the Map View or through the Layers screen.



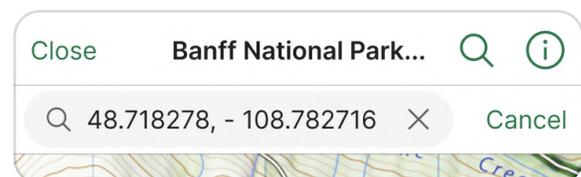
## Navigate to a Destination

With Location enabled, you can navigate to a point on the map by projecting to a point, selecting an existing feature, entering a coordinate or creating a route from multiple features.



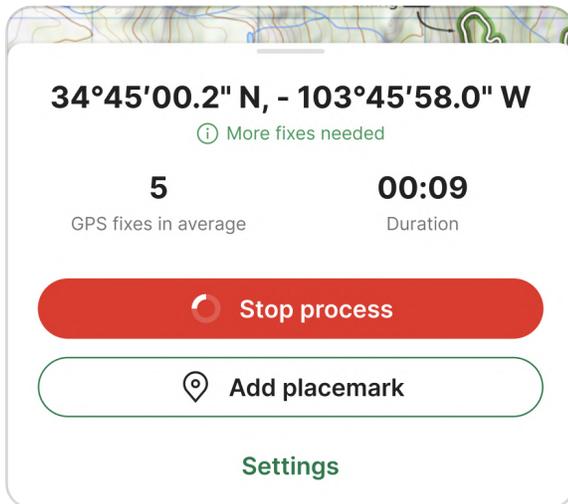
## Find by Coordinates

Find a location on the map based on known coordinates.



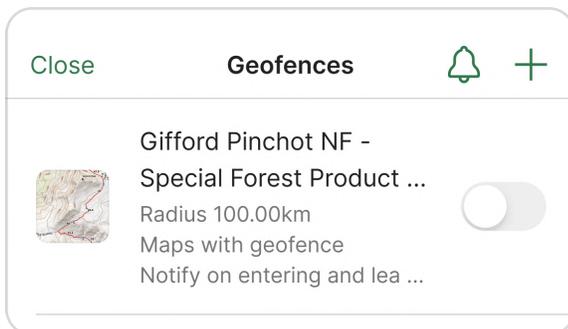
## Plot GPS Average

Record a number of fixes from your location and plot the average as a placemark on the map. This is a Pro feature.



## Monitor Geofences

Turn features or your map into geofences with proximity notifications.

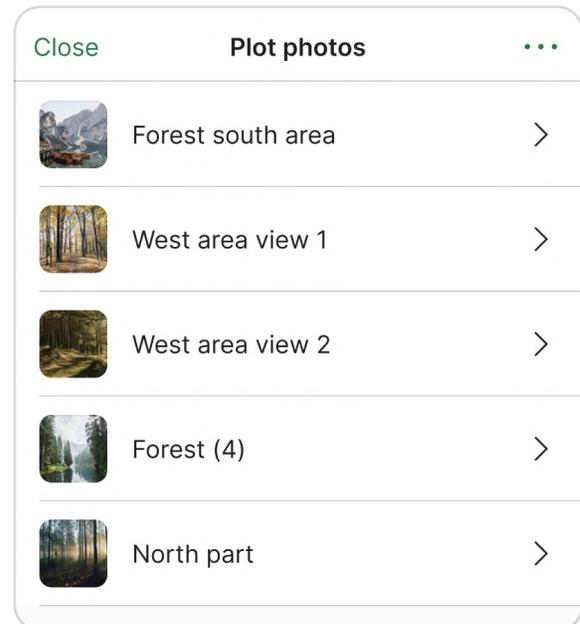


## Open View in Google Maps

View your current map and location in real-time on Apple or Google Maps.

## Plot Photos

Use geotagged photos from your photo library or another source to automatically create a placemark where that photo was taken.

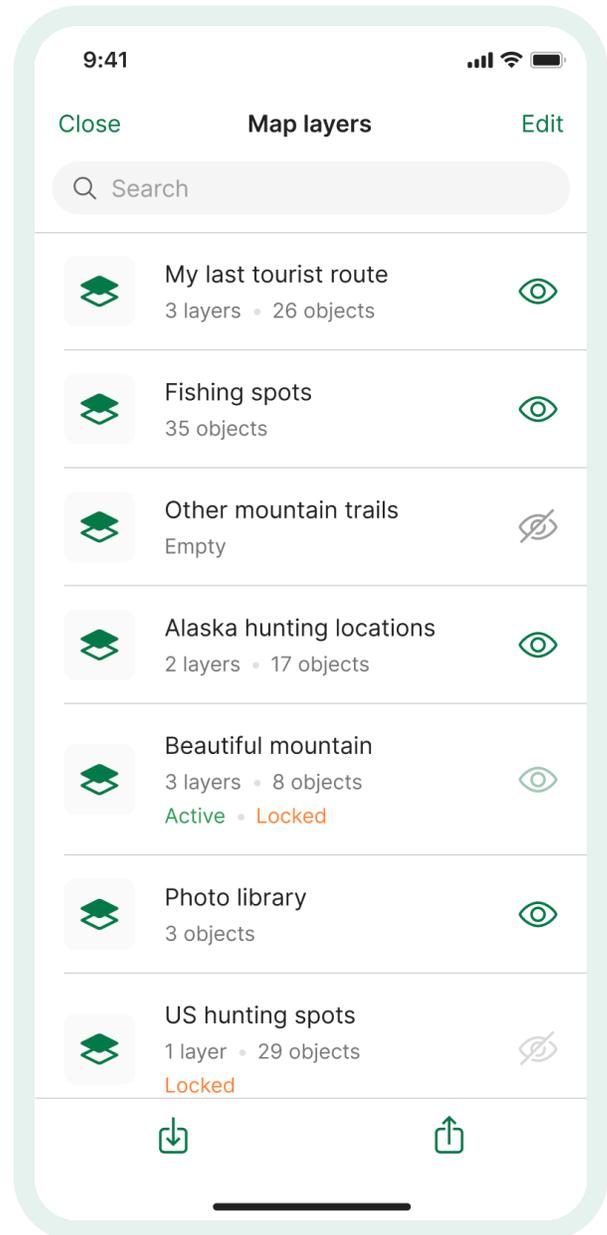


## 3.4 Layers

Layers contain map features such as areas, lines, points, and tracks. You can manage layers from the Map View and Layers screens.

Layer tools:

- adding/deleting layers
- moving map features between layers
- setting active layers
- locking layers, and more.



## Active Layers

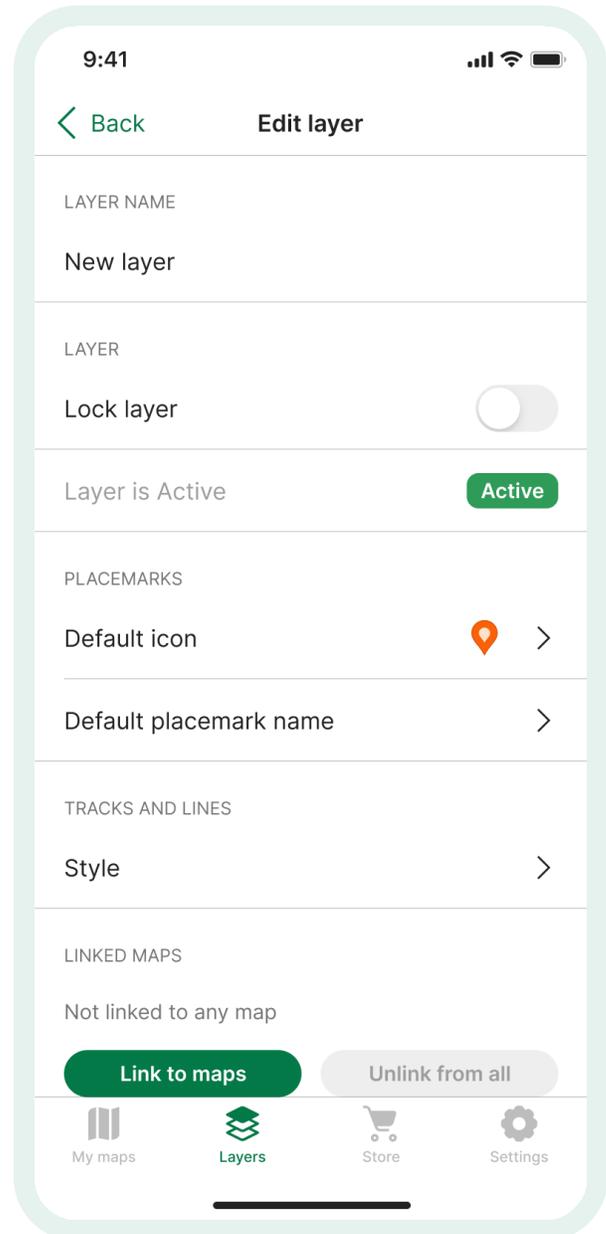
Enable this setting to automatically add new features to that layer. This includes adding custom attributes created for that layer. You can only have one Active Layer per map at one time.

Some map features will override Active Layer settings, but can later be moved to active layers:

**GPS Averaging:** all new placemarks will be added to a new layer called Averaged Placemarks. This is done so custom GPS averaging metadata that's created (i.e. specific attributes) don't conflict with existing layer schema.

**Imported Layers:** all imported data and map features will import to its own layer rather than the Active Layer.

**Plot Photos:** adding photos or placemarks as photos will add them to a new layer called Photo Library.



## 3.5 Attribute Schema

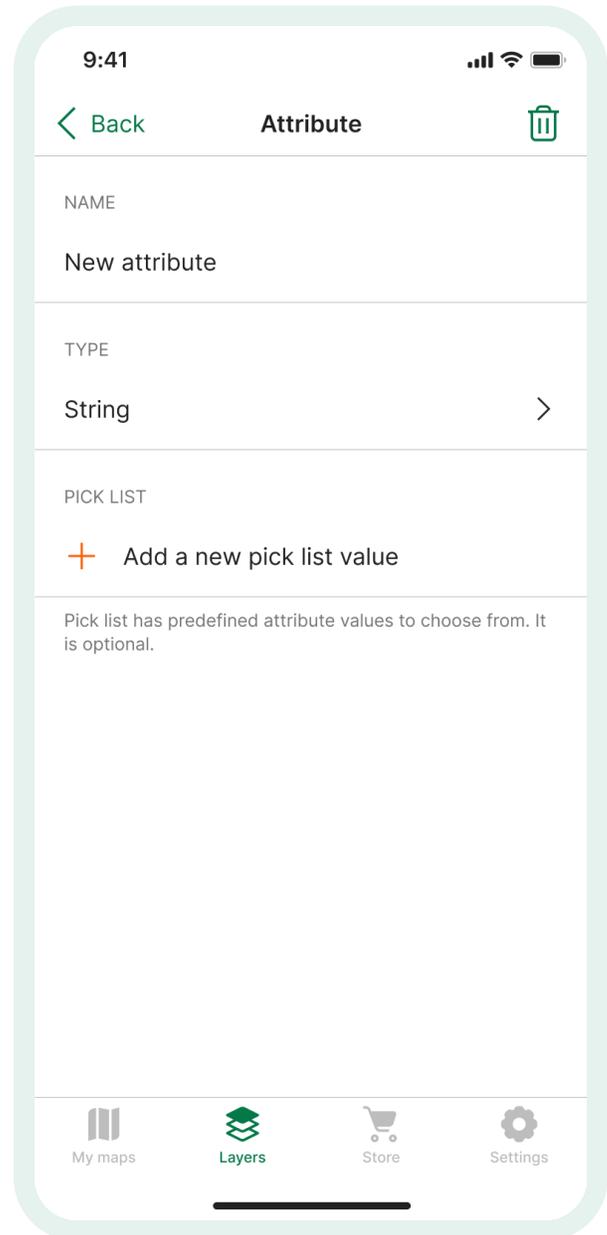
Attribute schema lets users create a series of attributes for a layer to make data collection easier. You can access and manage attribute schema from the Layers screen. To edit/use an attribute you must have an established layer and map feature such as a placemark, line, track, or area.

Importing and exporting attribute schema can be done from the Map View or Layers screen.

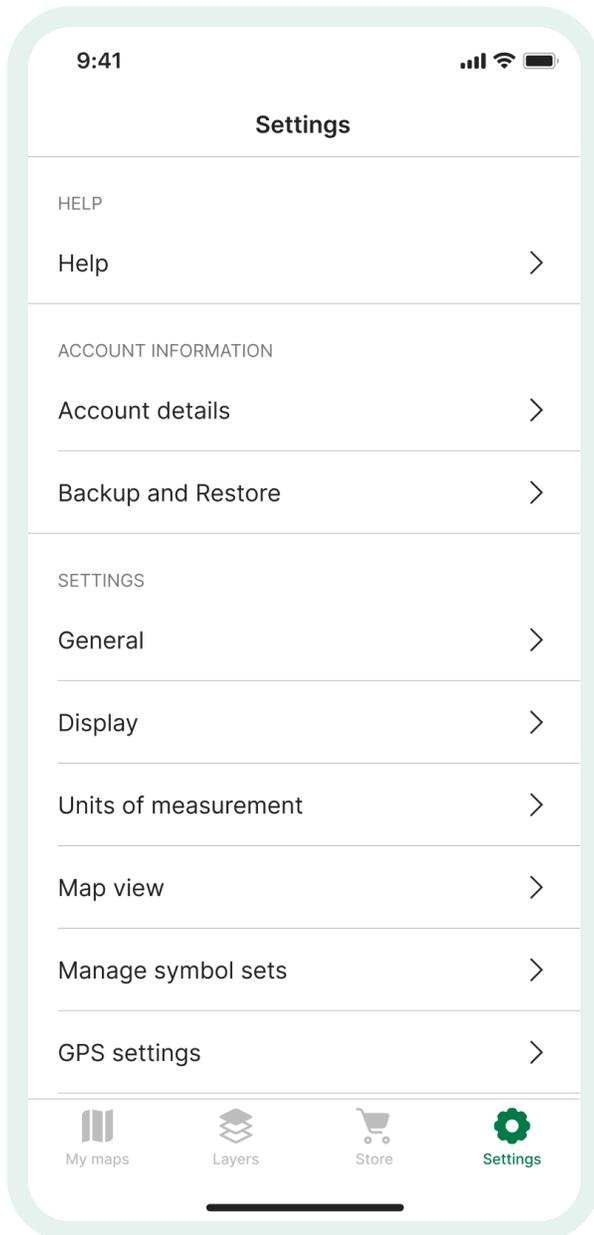
### Picklist

A picklist helps streamline data creation. It can be created in the attribute schema page. Defining values in a picklist means you no longer need to input values individually for each feature with this attribute.

**Note:** once imported, a schema will be on its own layer and may require additional changes for data collection, such as moving it to the appropriate layer, and/or setting it as an active layer).



## 4.0 Settings

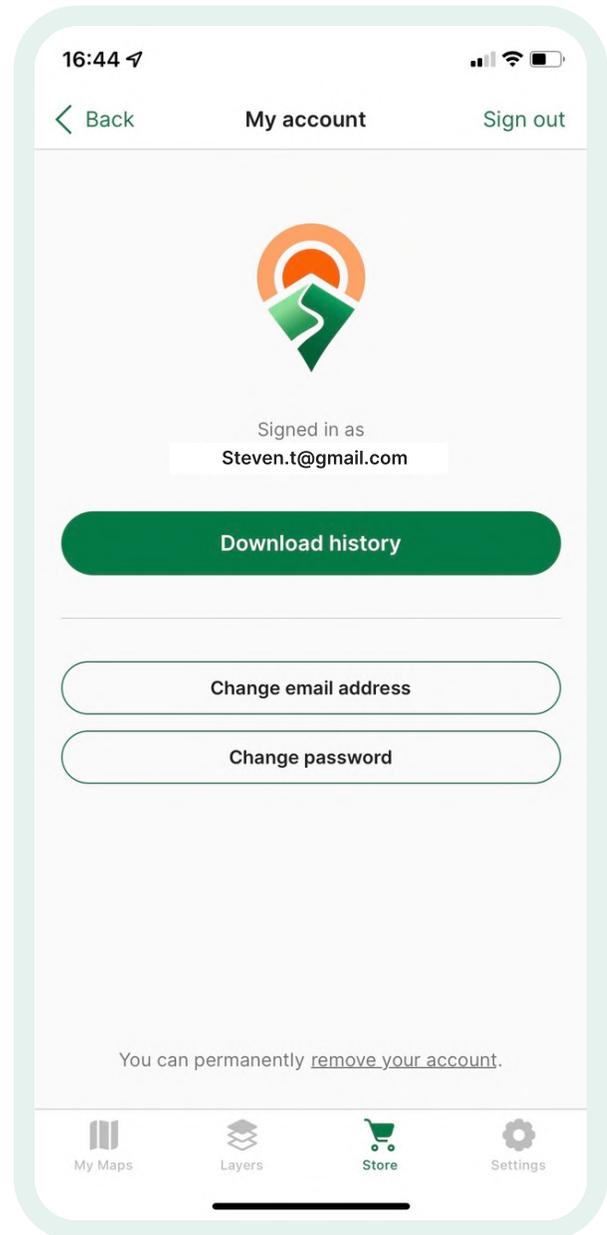


Tap the Settings icon  to view and customize your Avenza Maps settings. You can define various in-app parameters to improve customization of your Avenza Maps experience such as changing colors, units, haptic feedback.

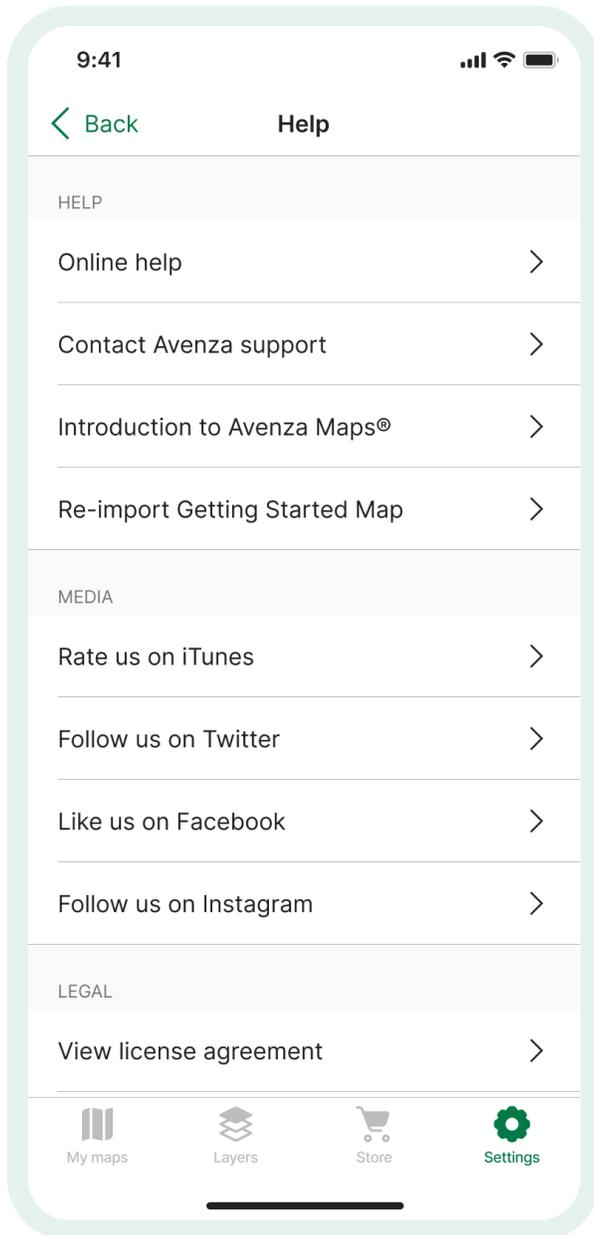
You can also access your Pro subscription, adjust map accessibility settings, and view support resources.

## 4.1 Account

Manage your map store purchases, re-download previously lost or removed maps, and edit your account details. The Account page can be accessed from My Maps, and Store.



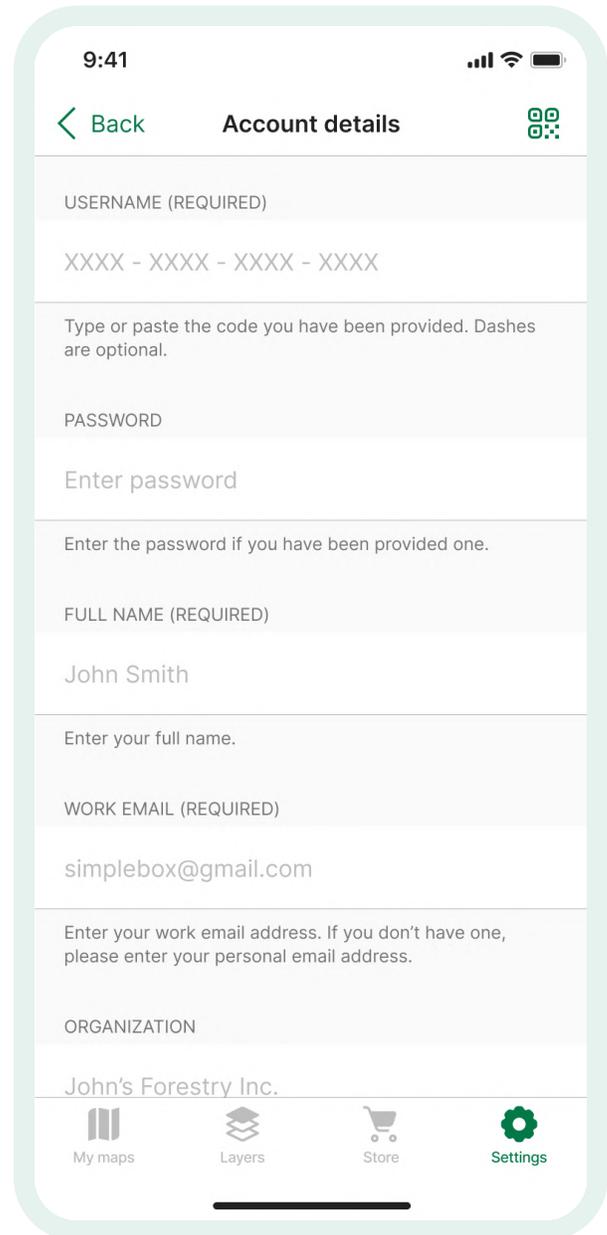
## 4.2 Help



Contact Avenza Support, view online articles, and follow us on social media.

## 4.3 Subscription

To access Avenza Maps Pro features, you must either subscribe to Pro in Avenza Maps or enter your subscription details provided by your organization into the Account Details screen. You can also use the QR Code Scanner at the top-right to automatically input your organization's license details.



9:41 📶 🔋

[← Back](#) **Account details** 

USERNAME (REQUIRED)

XXXX - XXXX - XXXX - XXXX

Type or paste the code you have been provided. Dashes are optional.

PASSWORD

Enter password

Enter the password if you have been provided one.

FULL NAME (REQUIRED)

John Smith

Enter your full name.

WORK EMAIL (REQUIRED)

simplebox@gmail.com

Enter your work email address. If you don't have one, please enter your personal email address.

ORGANIZATION

John's Forestry Inc.

 My maps  Layers  Store  Settings

## 4.4 Customization

The Settings submenu contains a variety of features that can help customize Avenza to your preference.

### **General**

Allow usage reporting, change how photos are saved, and more.

### **Display**

Change app theme, map feature colors, and attribute styles.

### **Units of Measurement**

Tweak default units and coordinates with pre-selected or custom formats.

### **Map View**

Edit map view functionality such as display time-out, scale bar visibility, and more.

### **Manage Symbol Sets**

With a Pro account, manage custom symbols imported into Avenza Maps.

### **GPS Settings**

Change location sourcing, fixing, and thresholds when Location is enabled using maps.

### **Navigation**

Change route navigation settings and arrival radius.