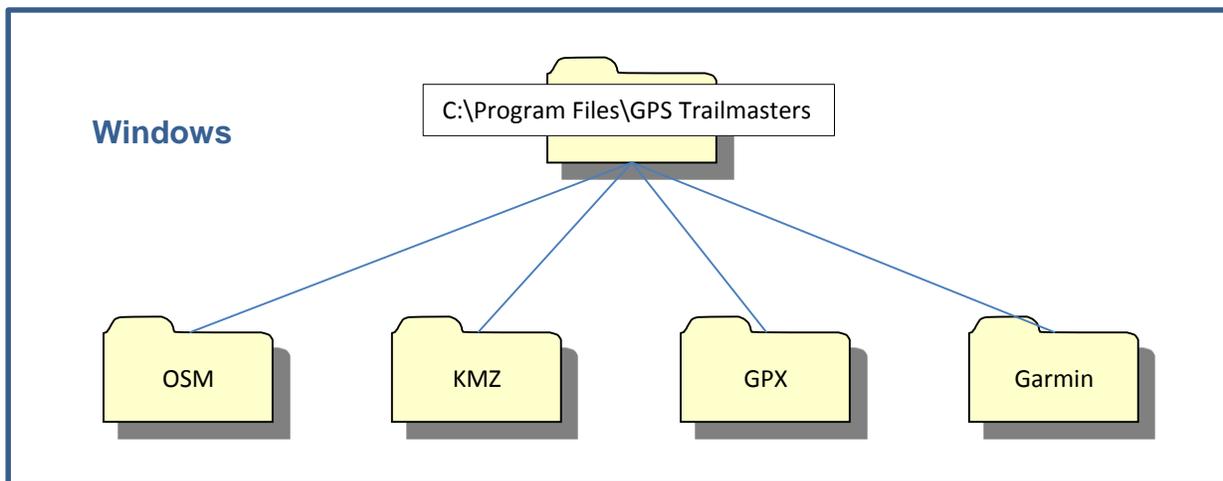


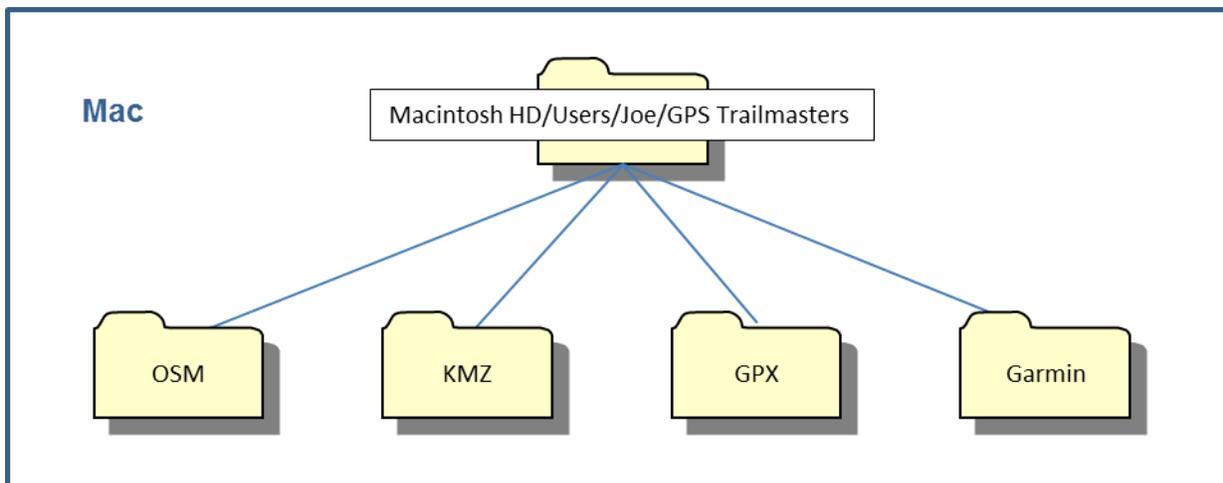
Step 2 – Transfer the Map Data to your Phone/Tablet

This user’s guide will describe the additional map data formats compatible with certain smart phone and tablet GPS apps.

The Windows installer in Step 1 copies the X Package map files to folders on your Windows PC. An “X Package Files” shortcut to these files is placed on your Windows desktop.

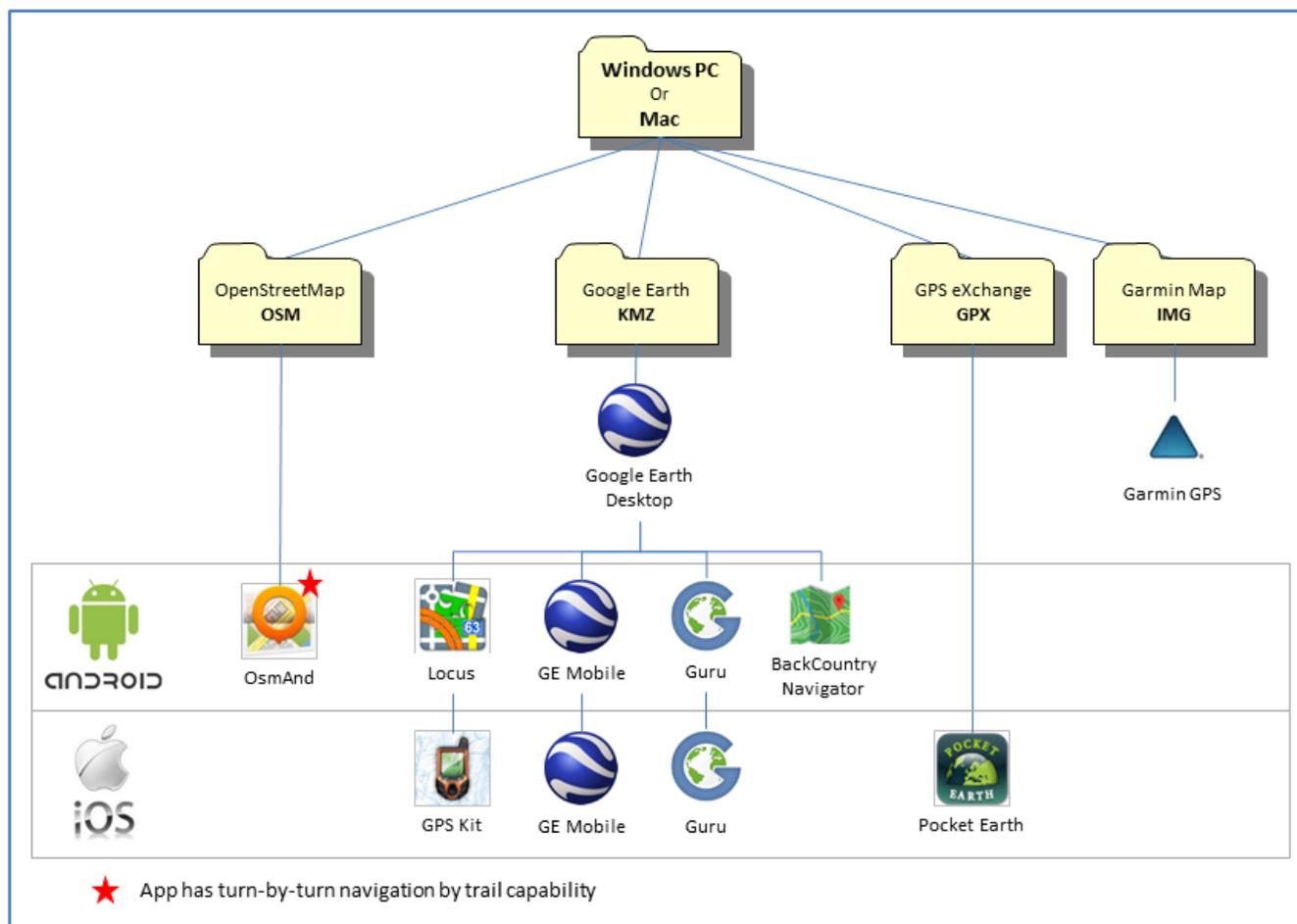


The Mac installer in Step 1 copies the X Package map files to your User home folder, “Joe” is used as an example in the illustration below.



GPS Trailmasters

The X Package includes data formats that can be imported for display on an Android or iOS mobile device. You must select and download the GPS app that provides the basemap and the GPS features that you desire. Not all apps are able to display the map data overlaid on a basemap. Not all apps are able to display our popular color scheme and map point icons. Most mobile apps will not auto-route with turn-by-turn directions along the trails but all the ones recommended here will show your position on the trail as you ride. We have identified a couple apps here but there are hundreds of apps in the Google and iTunes stores.



Please note we do not provide technical support for any of these apps, we simply provide the map data. You will have to consult the manuals and help information provided by the app developer for such things as how to download basemaps for offline use, how to operate the GPS features of the app, how to record and save tracks, etc.

We provide some basic installation instructions for the mobile apps identified above. There are hundreds of GPS apps on the market and the list grows day by day. When shopping for an app, look for those that support “offline” map storage and importing your own data.

Google Earth Desktop

[Google Earth](#) is a free mapping application available for your desktop and mobile devices. It can be installed to both Windows and Mac desktop computers as well as Android and iOS devices. The Keyhole Markup Language (KML) file notation was developed for use with Google Earth. KMZ files are the zipped (compressed) form of KML. Our trail maps in KMZ file format can be viewed in Google Earth for trip planning and 3D visualization. Learn more about importing trail data into Google Earth and how to georeference the [NERFC snow depth map](#) on our website for a layered view of Earth, snowmobile trails and snow depth.

Android Apps

The installation instructions below assume basic user familiarity with Android devices and Android apps. You must be familiar with downloading apps (FREE and Paid) from the Google Play store. You must understand the basic file structure of your Android device and know how to transfer files between your PC and the device.

OsmAnd for Android

[OsmAnd](#) (OSM Automated Navigation Directions) is a map and navigation application with access to free high-quality OpenStreetMap (OSM) data. All map data can be stored on your device's memory card for offline use. OsmAnd offers routing, with visual and voice turn-by-turn directions, for car, ATV, and snowmobile. All the main functionalities work both online and offline (no internet or cellular connection needed).

Download the free OsmAnd App from the Google Play store to your Android phone or tablet.

You will need to transfer two files from your computer to your Android device; the trail map (.obf) file and the rendering (.xml) file which determines the trail line colors and styles. The OsmAnd map and rendering files can be found using the **X Package Files** shortcut on your Windows desktop or your Windows Start menu. On the Mac, these files are located in your User home folder.

Launch the OsmAnd App on your Android device. Determine the app data storage location:

At the introductory screen press the 3-bar menu.

Press the **Settings** menu.

Press the **General settings** menu.

Scroll to the **Miscellaneous** section and find **Data storage folder**. This is where the .obf map file and .xml rendering file needs to be copied.

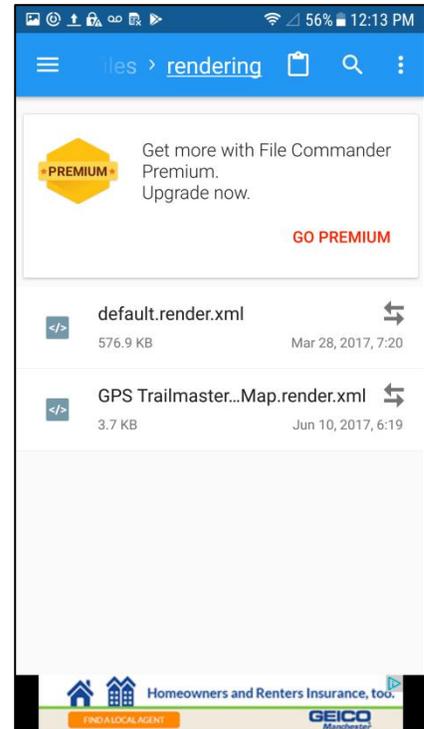
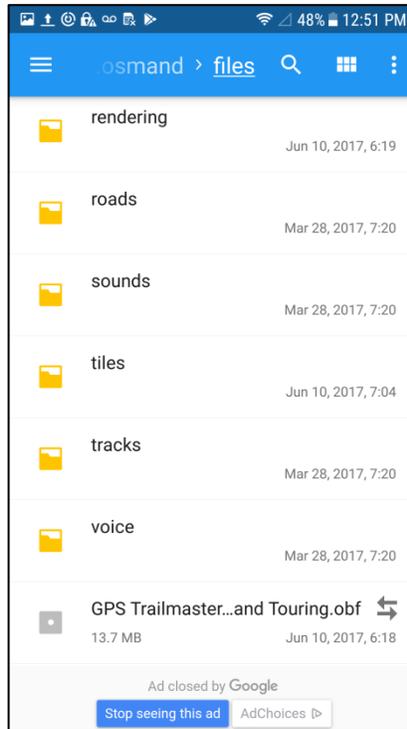
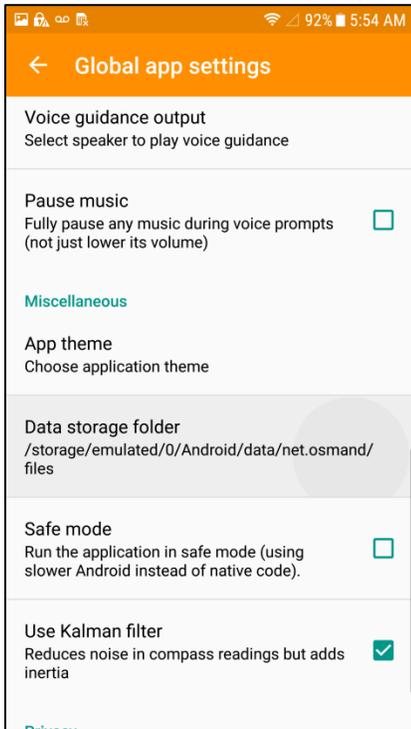
(e.g., /storage/emulated/0/Android/data/net.osmand/files).

Transfer the two files from your computer to the Android device using a USB cable or cloud storage such as Google Drive or Dropbox and a file manager app such as [File Commander](#). **Note:** The file manager app may not show the “/storage/emulated/0” if setup to hide system files.

GPS Trailmasters

Copy the **.obf** file from your PC to the “/Android/data/net.osmand/files” folder. This is the offline vector trail map.

Copy the **.render.xml** file to the “/Android/data/net.osmand/files/rendering” folder. This is the map style file that defines the line colors and line thickness for the trails.



Launch the OsmAnd App on your Android device.

At the introductory screen press the 3-bar menu.

Press the **Download maps** menu.

Select the **LOCAL** tab.

Verify the GPS Trailmasters trail map is listed under the Standard maps (vector) section.

Deactivate any other vector maps listed in this section.

Configure the map layers.

At the introductory screen press the 3-bar menu.

Press the **Configure map** menu.

Press the **Map source** menu.

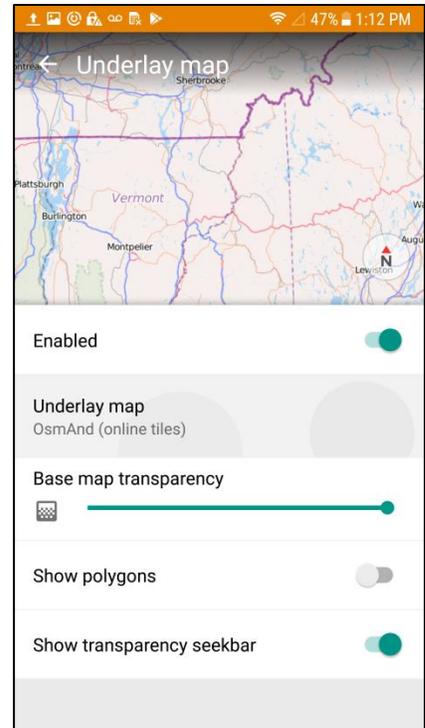
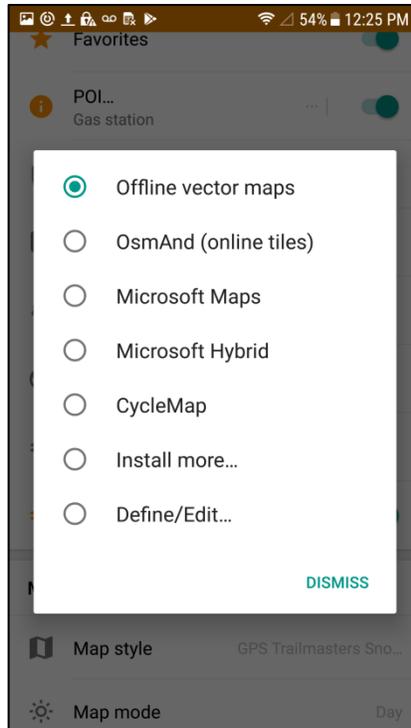
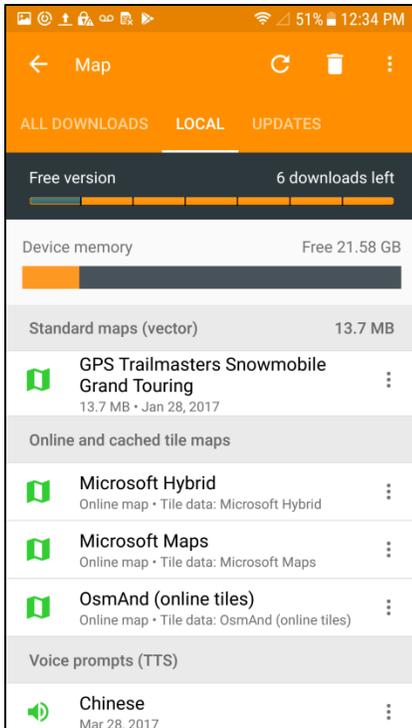
Select “Offline vector maps”.

Press the **Underlay map...** menu.

Select the basemap of your choice.

Set Base map transparency to 100%.

GPS Trailmasters



Note: There is a display limitation for the trail map and it is not displayed when zoomed out to 50 miles, therefore your trail map layer will not be displayed at high zoom levels.

Select the render file to display proper trail color and line style.

At the introductory screen press the 3-bar menu.

Press the **Configure map** menu.

Press the **Map style** menu in the Map rendering section.

Select the "GPS Trailmasters Snowmobile (or ATV) Map".

Configure the Plugins

At the introductory screen press the 3-bar menu.

Press the **Plugins** menu.

Enable the **Online maps** and **Trip recording** plugins.

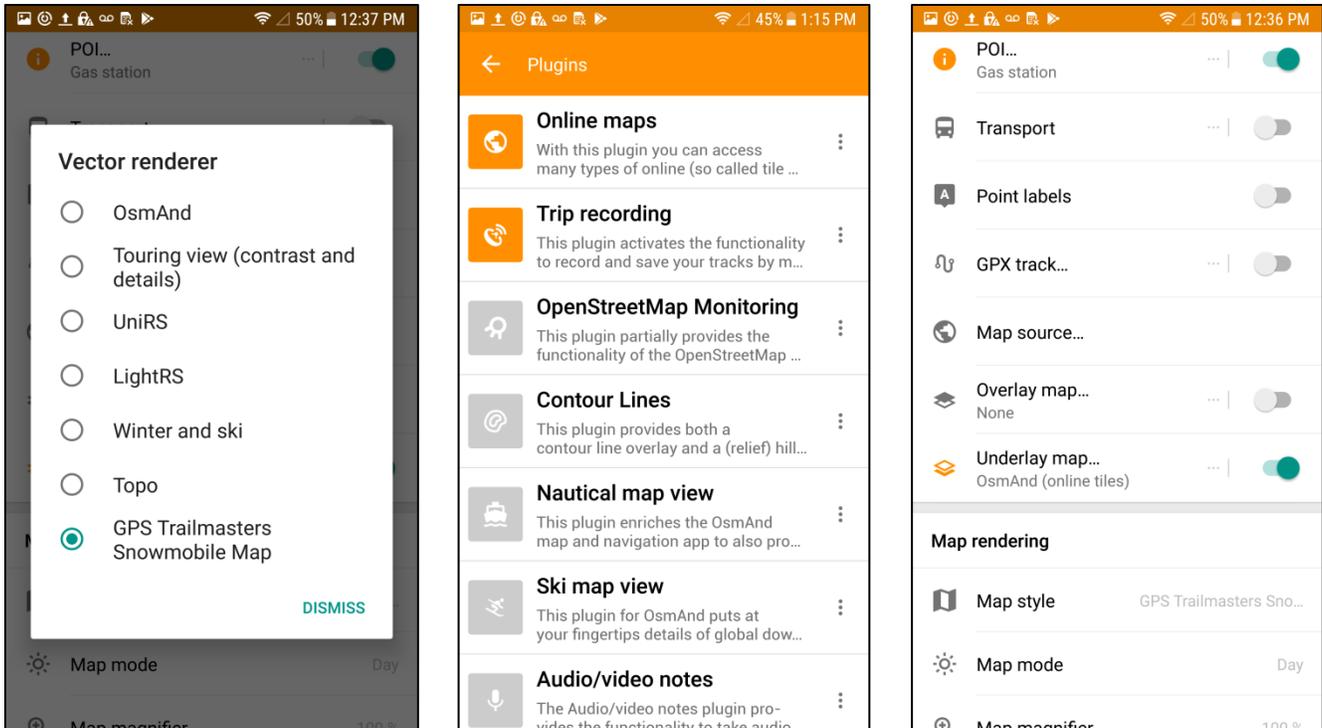
Activate Point of Interest display for gas, food, lodging, etc.

At the introductory screen press the 3-bar menu.

Press the **Configure map** menu.

Press the **POI** menu.

Select the Points of Interest to display.



Enabling Point labels and enabling POI display will cause duplicate names displayed on the map.

Enable GPX tracking to record your rides.

Locus Map for Android

[Locus Map](#) is a multifunctional outdoor navigation application with access to a wide portfolio of hiking and street maps. Import your own tracks and points of interest. Using maps without an Internet connection is the basic idea of Locus Map. Locus Map offers downloading of offline background maps and allows you to import our snowmobile and ATV trail maps. Record tracks of all your trips and document with photos, videos and sound recordings.

Locus Map is free but includes an advertising banner and in-app purchases. Download the free Locus Map App from the Google Play store to your Android phone or tablet.

Transfer the KMZ map file to your phone or tablet using either Google Drive or Dropbox cloud storage OR by emailing the file to yourself. The KMZ files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac. Once the KMZ file is on your device it can be selected and opened by the Locus Map app.

Locus Map provides a number of map options for the basemap. To change the basemap, press the Main Menu then tap **Maps**. Select the ONLINE tab. Select a basemap from the list of available maps. Imported KMZ map data will display on top of the basemap.

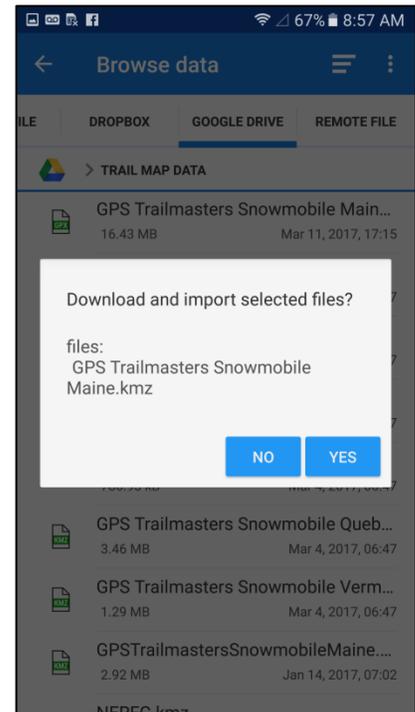
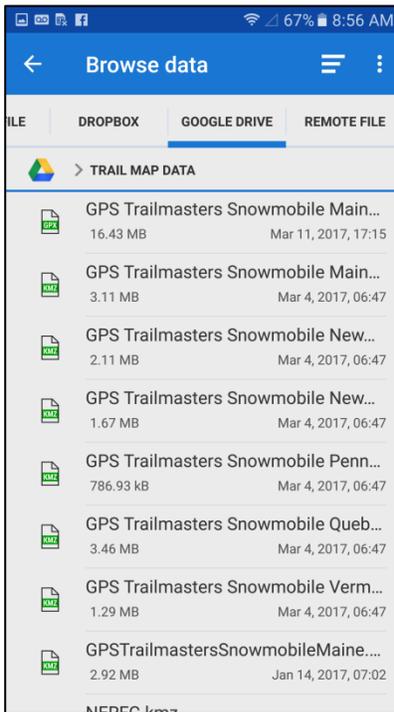
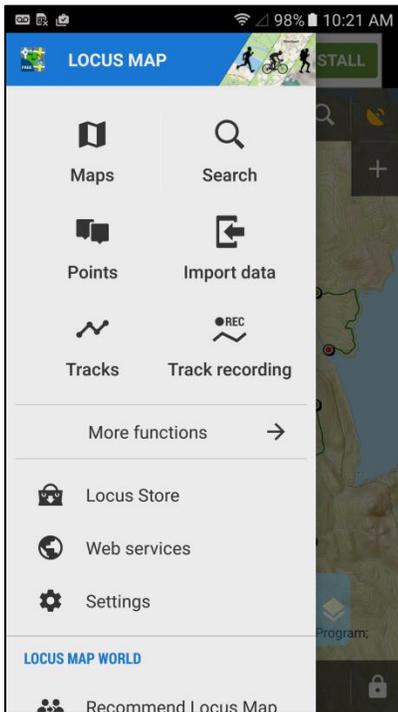
Use the cloud storage method to transfer the KMZ map file from your computer to your iPhone or iPad. Import KMZ map data from the Main Menu of the Locus Map app.

Press the **Import data** option.

Press either the DROPOBOX or GOOGLE DRIVE tab.

GPS Trailmasters

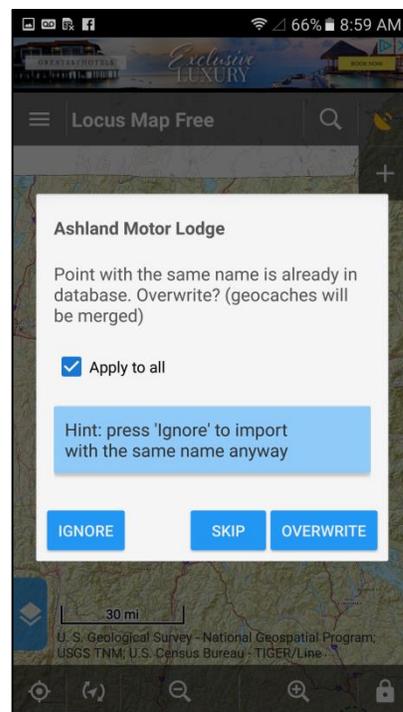
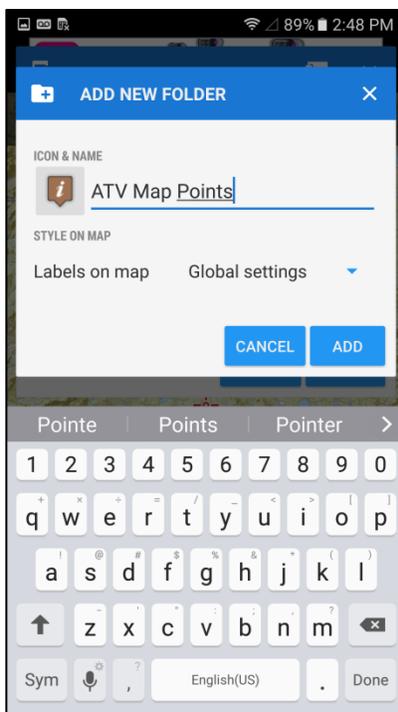
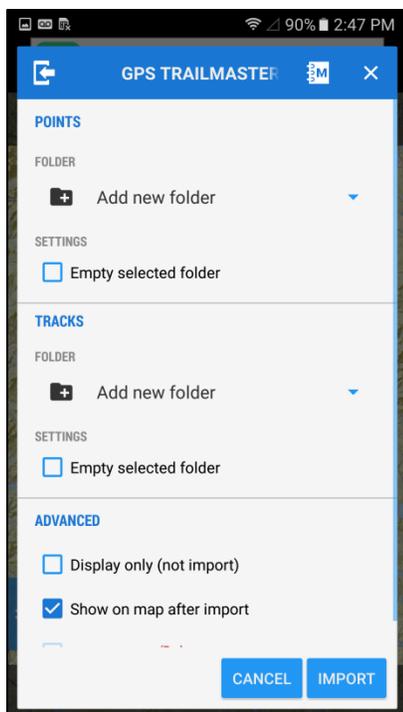
Select the .kmz map data file to import, for example “GPS Trailmasters ATV Maine.kmz”.



When importing data, Locus Map will prompt you for the POINTS and TRACKS folders where the data will be stored. Points (POIs) and Tracks (trails) are stored separately by the App and can be organized into named folders. Create new folders for your Points and Tracks for each trail map you import. The figure below shows folders created for the Maine ATV map. Create a new folder by pressing the gray triangle in the lower right of the folder section. Check the “Empty selected folder” if you are importing new map data to replace old data in that folder.

In the Advanced section, place a check mark on “Show on map after import”. Press the **IMPORT** button. Each trail segment (intersection to intersection) is imported as a separate track; and each gas, food, lodging POI is imported as a separate point. Trail data and map points can be enabled/disabled for display on the basemap.

When prompted about importing points with the same name, check “Apply to all” and press IGNORE button. This message can be disabled under Settings -> Miscellaneous -> DATA IMPORT, disable the “Check duplicates” feature.



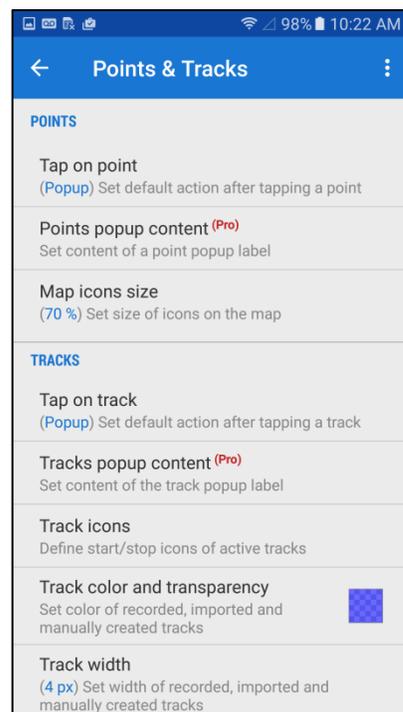
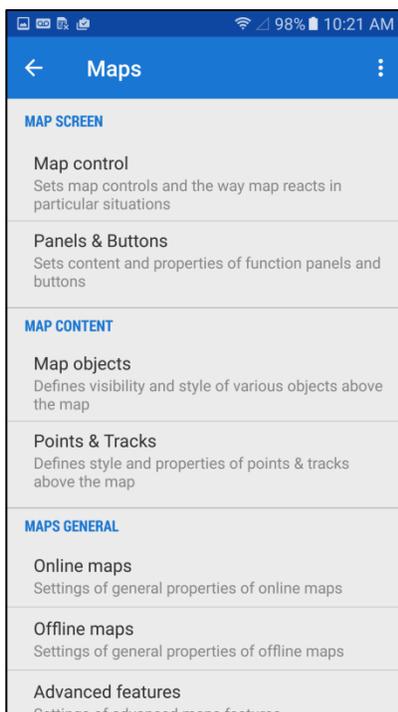
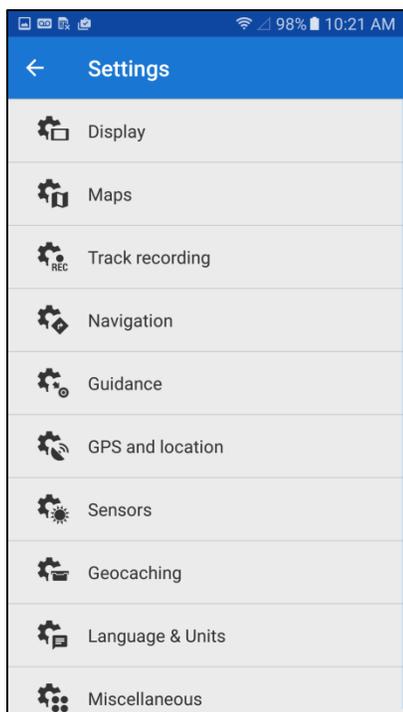
We recommend a couple changes within the Settings menu. Press **Settings -> Maps**.

Under MAP CONTENT, press **Points & Tracks**.

Set **Tap on point** and **Tap on track** to "Popup".

Change the "Map icons size" to be 70% for smaller POI icons.

Set **Track icons** to "No symbol"



GPS Trailmasters

Google Earth Mobile for Android

The [Google Earth mobile](#) App for Android can be downloaded from the Google Play Store. Use a file share app such as Google Drive to transfer the file to your device or you can email the KMZ file to yourself and send/open with the Google Earth App.

iOS Apps

The installation instructions below assume basic user familiarity with Apple devices and iOS apps. You must be familiar with downloading apps (Free and Paid) from the Apple store. You must know how to transfer files between your PC and the device.

GPS Kit for iOS

[GPS Kit](#) is a map and navigation application with access to more basemap options than any other app. Track thousands of points accurately without sacrificing map performance. You can track your rides without an internet or cellular signal. Just cache your map tiles before you go. Share your location with friends & family in real time. Squawk is built right into GPS Kit to help you keep track of your group. An online [User Guide](#) is available from the app developer.

Download the paid (\$9.99) app from the Apple store to your iOS phone or tablet. Consult the online user guide, [Data Manager](#) section for steps to import the KMZ trail map file stored on your computer. The KMZ files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac.

Use the email method to transfer the KMZ map file from your computer to your iPhone or iPad. Open your email and press the KMZ attachment. Select "Open with GPS Kit".

GPS Kit will launch and display your trail map data.

Press the **Data** icon at the bottom of the app.

Press the imported entry under "Saved Sets".

Change the "Name" of the data set if you prefer.

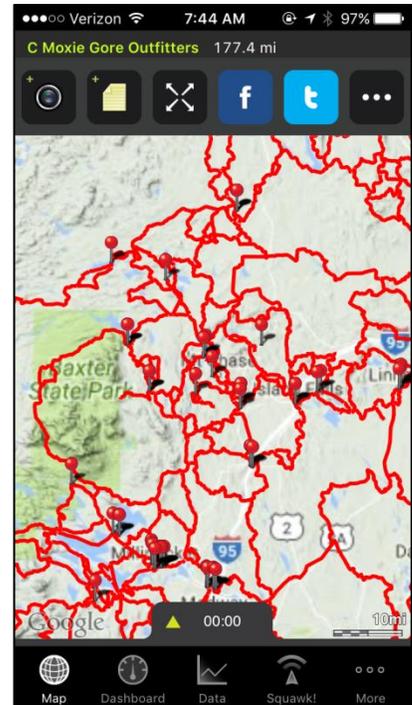
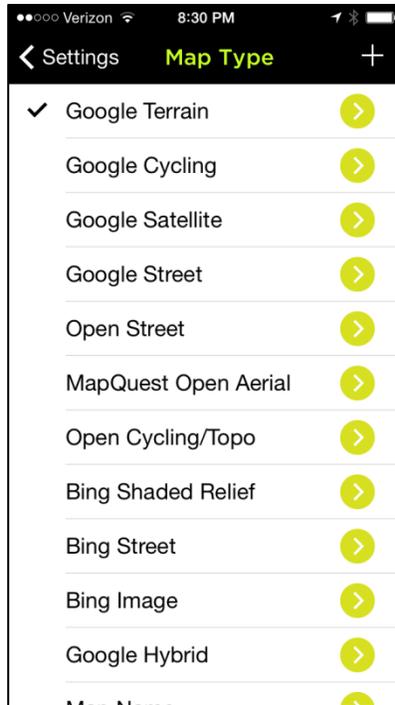
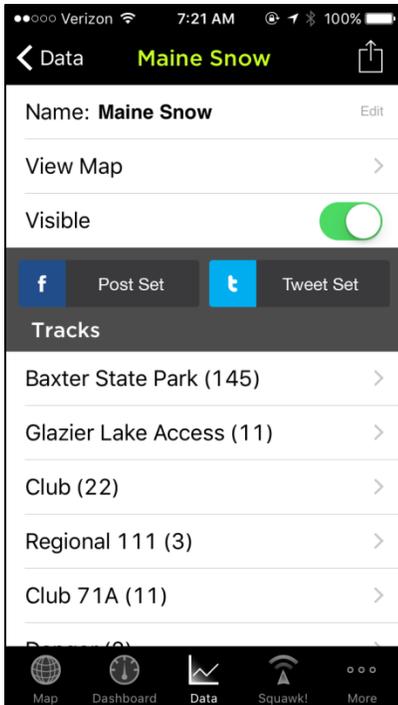
Mark the data set "Visible" if you want it displayed on the map.

Press the **Map** icon at the bottom of the app. Scroll and zoom to see trails. To change the basemap:

Press the **Settings** icon in the upper right of the app.

Press **Map Type** to select a basemap.

GPS Trailmasters



Guru Maps for iOS and Android

[Guru Map Pro](#) is a detailed and easy-to-use offline vector map application for iOS and Android devices. No internet connection needed. Download a map of the entire country in one click. Record your trips and monitor your real-time speed, distance and time traveled. Bookmark your favorite locations for quick access. An online [iOS User Manual](#) and [Android User Manual](#) is available from the app developer.

Download the Pro version of the app from the Apple or Google store to your smart phone or tablet. **The paid (Pro) version is required to import our large amount of trail and POI data.** Consult the online User Manual, Importing KML/KMZ/GPX Files section for steps to import the KMZ trail map file stored on your computer. The KMZ trail map files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac.

Use the email method to transfer the KMZ map file from your computer to your Phone or tablet. Open your email and press the KMZ attachment. Select "Open with Guru Maps".

Guru Maps will launch and display your trail map data.

Select the "Save to one collection" option to combine trails and map points into a single collection.

Change the name of the collection if you prefer.

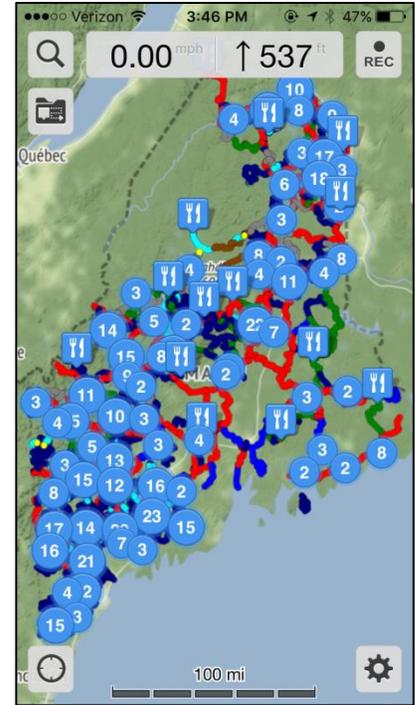
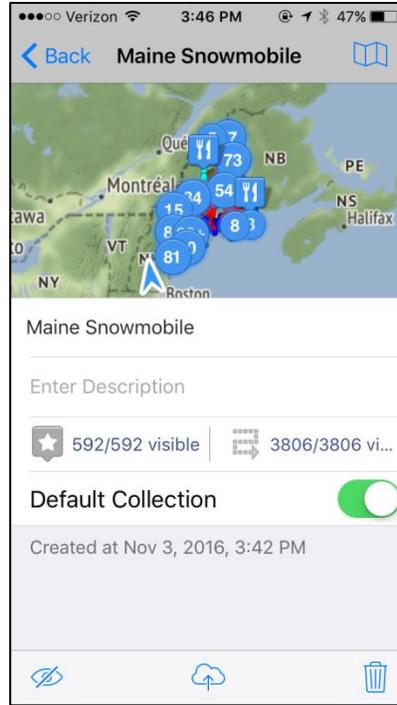
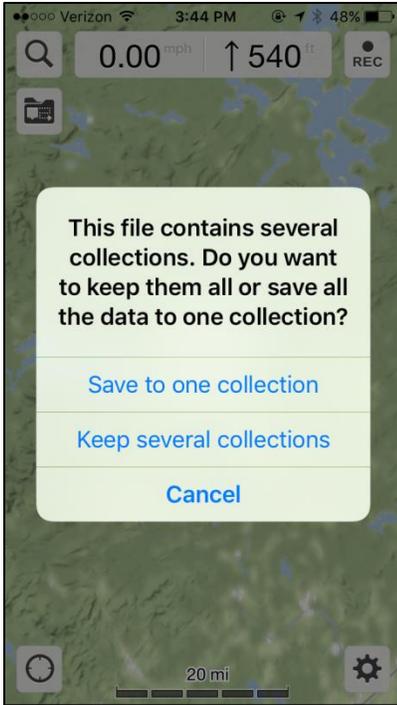
Set the collection to the "Default Collection" if you want it displayed all the time.

Press the **Settings** icon at the bottom of the app.

Press Download Maps to select your basemap.

Press **Map Source** and select Vector Map.

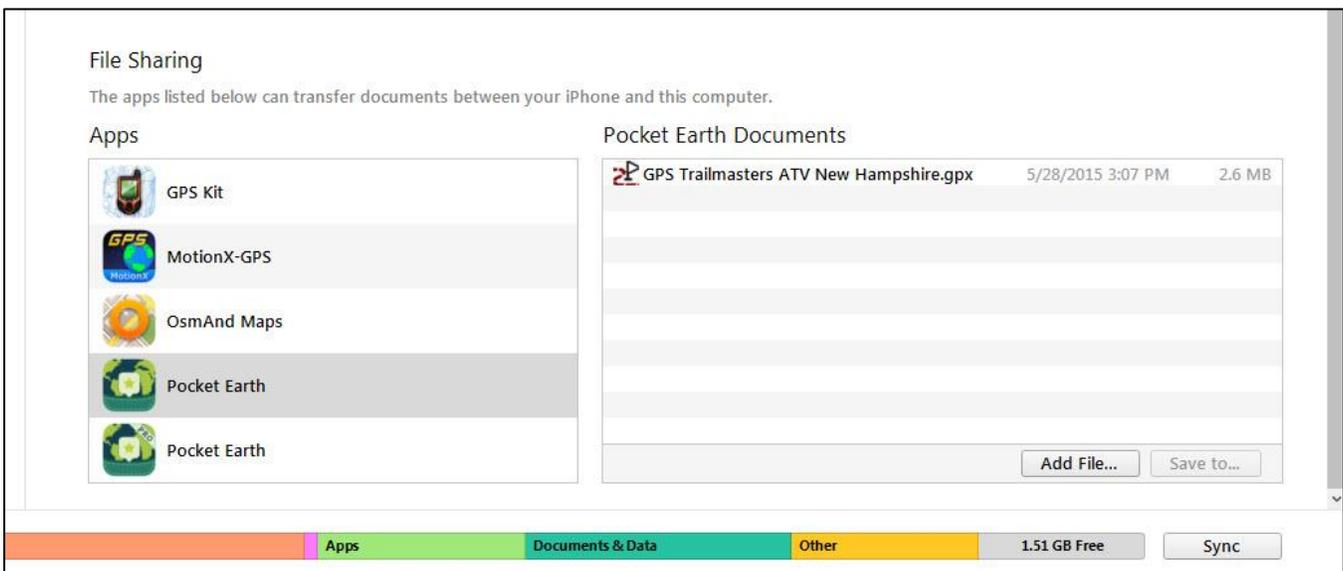
GPS Trailmasters



Pocket Earth for iOS

[Pocket Earth](#) is a backpacking and hiking offline map application for iOS devices. No internet connection needed. Download states or entire countries. Fastest map and most detailed maps available. Provides GPS tracking to record your route. Take an adventure with Pocket Earth.

Download the free app from the Apple store to your iOS phone or tablet. Connect your iOS device to your desktop computer. Use iTunes to copy the map files in GPX format from your Windows or Macintosh computer to your Apple device. The GPX files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac.



Launch the Pocket Earth app.

GPS Trailmasters

Press the **Settings** icon in the lower right of home screen.

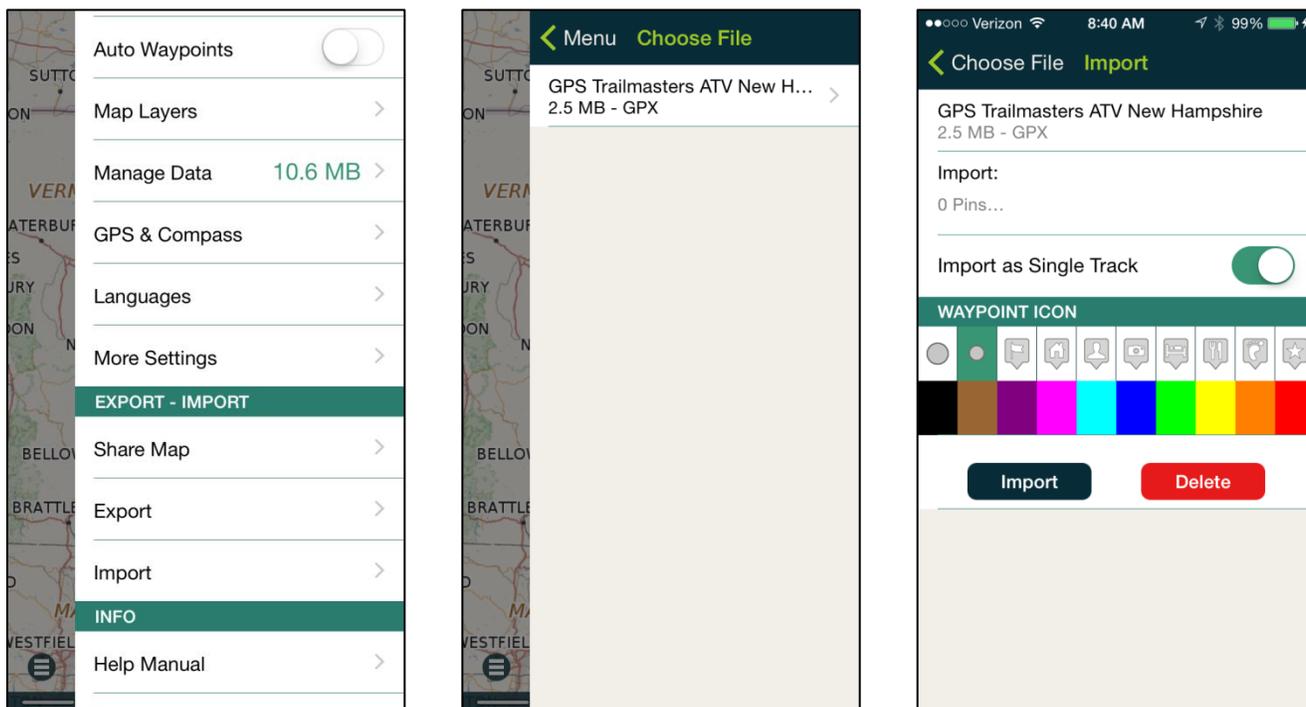
Under the EXPORT – IMPORT section, press **Import**.

Select the trail map .gpx file to import.

Enable “Import as Single Track”.

Select the small circle and color for the map POI symbols – all POI symbols will be the same and trail color is always blue.

Press **Import** and then **View** when prompted.

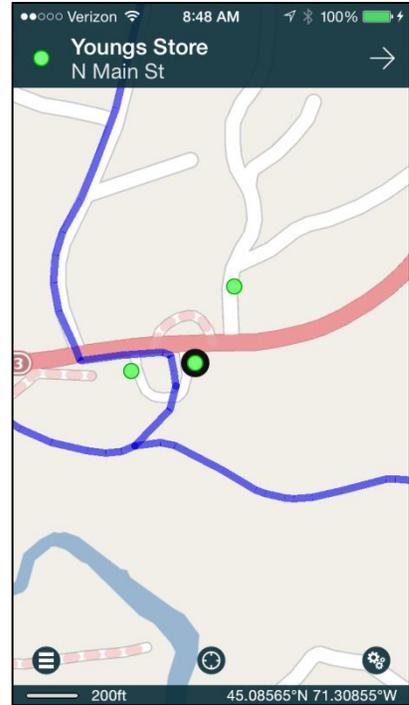


Scroll and zoom to see the trails and points of interest. The basemap options with Pocket Earth are very limited and there is a charge for them. To change the basemap:

Press **Main Menu** icon in the lower left of home screen.

Press **Get Maps** for optional background maps.

GPS Trailmasters



Google Earth Mobile for iOS

The [Google Earth mobile](#) App for iOS can be downloaded from the iTunes Store. Use a file share app such as Dropbox or Google Drive to transfer the file to your device or you can email the KMZ file to yourself and send/open with the Google Earth App.