Gaia GPS User Manual

Gaia GPS User Manual 4
Add Topo Sources to Gaia 4
Important How-Tos 4
Frequently Asked Questions 4
Troubleshooting 4
Other Stuff 5
How to Videos 6
How To Mark a Waypoint 7
GPX and KML Imports 11
To Import a File through iTunes 11
To Import a File through Email 11
Resources to Find Data to Use 11
How do I export tracks? 12
How do I download maps to use when I am offline? 17
How To Reduce Battery Loss 27
How to Use the Map Warper 28
Non-Obvious Features in Gaia GPS 29
I am using Gaia GPS internationally and the USGS topo maps do not cover my area. What other topo sources can I use? 30
How do I export tracks? 37
Gaia GPS isnt locating me. How do I fix this? 42
Where can I find topo maps of Alaska? 45
Where can I find topo maps of Canada? 53
How can I print my tracks? 61
The app automatically comes with the following maps: 62
Does Gaia GPS have nautical maps? 63
Resources 67

Gaia GPS User Manual

Add Topo Sources to Gaia

Visit this link from your device, and tap the links on the page (aerial, topo, international, and other sources).

- **Add Other Map Sources**

Important How-Tos

- **Videos**
- How To Mark a Waypoint
- How To Import GPX and KML (Tracks and Waypoints)
- How To Export GPX and KML (Tracks and Waypoints)
- How To Download Maps
- How To Change Your Map Source
- How To Reduce Your Battery Loss
- How To Import Your Own Digital/Paper Maps to Gaia GPS
- Non-Obvious Features in Gaia GPS

Frequently Asked Questions

- I am using Gaia GPS internationally and the USGS topo maps do not cover my area. What other topo sources can I use?
- How do I download maps?
- My download icon is grey and I cannot download maps. How do I fix this?
- How can I export tracks?
- Gaia GPS cant seem to locate me. How do I fix this?
- Where can I find topo maps of Alaska?
- Where can I find topo maps of Canada?
- How can I print out my tracks?
- What maps are included in you app? Can I check them out before I buy the app?
- Does Gaia GPS have nautical maps?
- What is the difference between Gaia GPS and Offline Topo Maps?
- I have an idea for a new feature Gaia GPS should develop. Who do I tell about this idea?
- How do I get help from Gaia GPS for a specific problem that is not addressed in your manual?

Troubleshooting

- If you have questions about how to operate Gaia GPS, bug reports, or feature requests, you can email the developers at gaia@gaiagps.com . Bug reports are best if you can tell us how to reproduce the problem, and we almost always fix reproducible bugs very quickly.

- If Gaia GPS wont get a GPS signal, one of two things will fix it:
- Shut down the app completely. From your iPhone home screen, double press the Home button. Then, press and hold the Gaia icon in the task bar. Once it starts wiggling, press it to stop it, as you would normally do to delete an app.

- If shutting down the app doesnt work, rebooting your phone will do the trick.

- If Gaia GPS stops working, you can delete it from your phone and re-download it from the App Store for free (a dialog will tell you the download is free when it starts). If this ever happens to you, were very sorry for the problem. Please email us and tell us what happened.

- If your phone is in airplane mode, the GPS wont operate, and Gaia cant record tracks.

- The compass will not work if you are in a car or if you are near metal or magnetic things.

Other Stuff

- Resources
- Gaia GPS App Description in Other Languages

If you are viewing this manual from the Help within Gaia GPS, you can also visit www.gaiagps.com and click the link in the bottom left to view the manual in your browser.

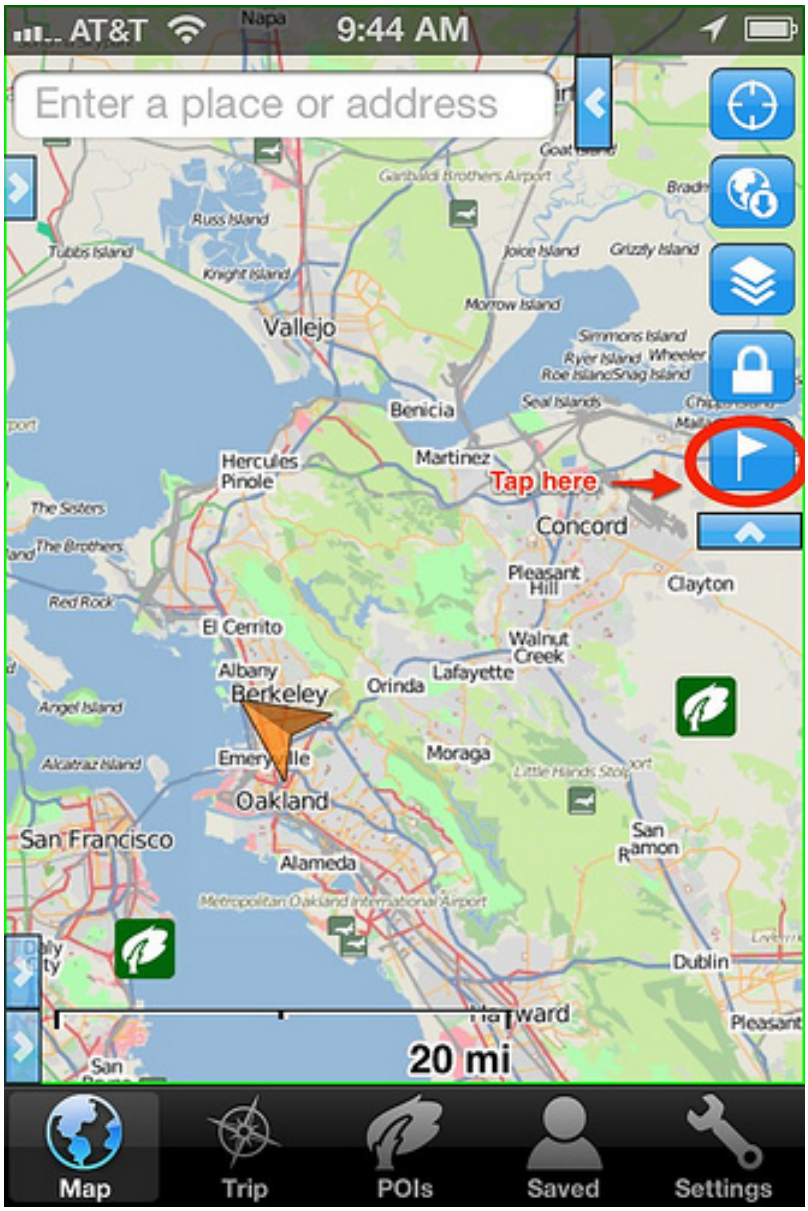
How to Videos

We have begun to create a series of videos to explain how to use various features in Gaia GPS. Please email idea for videos or critiques at videos@gaiagps.com .

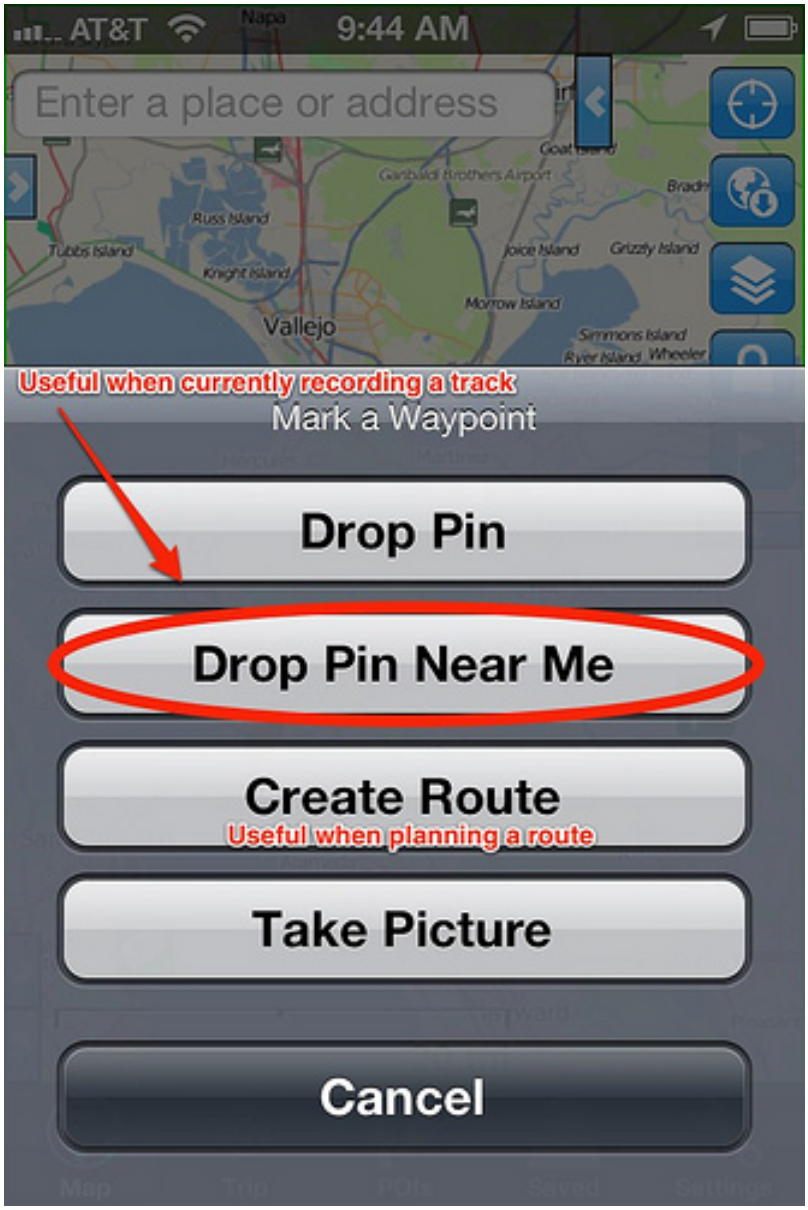
- How To Record a Track (posted November 25, 2011)
- Tour of the Map Screen (posted November 7, 2011)
- Get Guidance for Waypoints and Tracks (posted November 3, 2011)
- Download Maps (posted Novermber 1, 2011)
- Mark Waypoints (posted October 27, 2011)

How To Mark a Waypoint

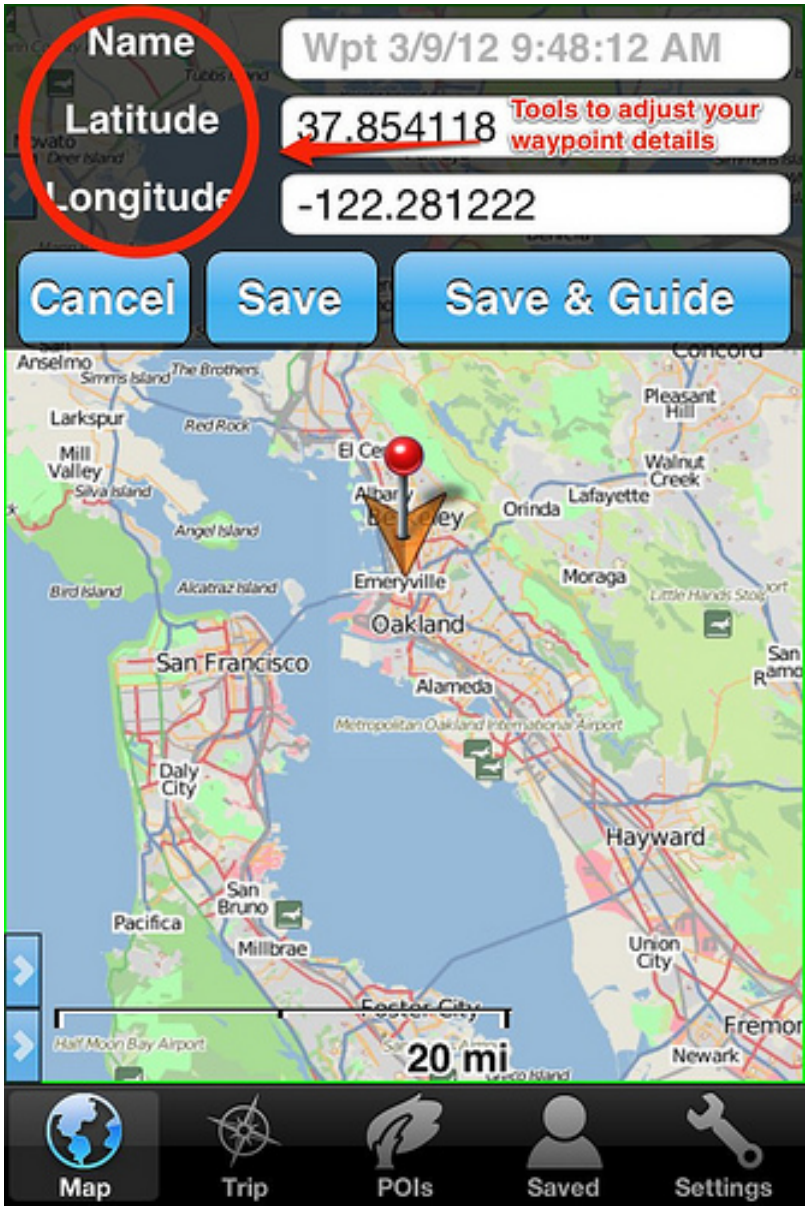
To mark a waypoint, follow these steps:
1. To begin marking a waypoint, first tap the flag icon on the right on the screen.



2. Next, decide what sort of waypoint is best for you. If you would like to mark a waypoint that is near you, so as to remember the spot you are currently at, tap Drop Pin Near Me. If you would like to plan a future route using waypoints, tap Create Route. If you want to mark a spot on a the map neither near your nor for routing, tap Drop Pin. If you would like to mark your spot by taking a picture, tap Take Picture.



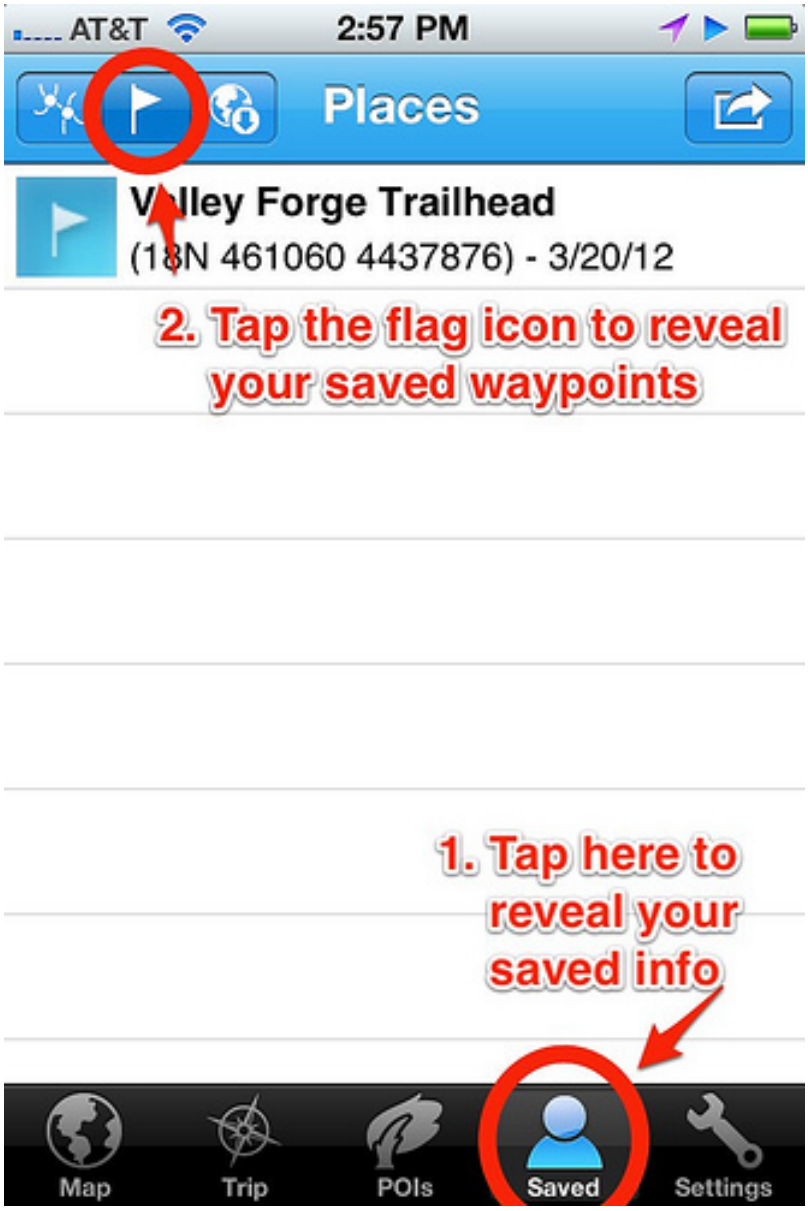
3. After you have placed your waypoint, a menu will appear allowing you to adjust the settings of your waypoint. You can change the name to help you to remember why you placed the waypoint. Also, you can adjust Latitude and Longitude to precisely place your waypoint. Then tap Save to keep the waypoint, Cancel if youve made a mistake, or Save and Guide if you would like Gaia GPS to guide you to the waypoint you are inserting.



Now your waypoint is saved in your saved waypoints list.
To access it later:

1. Tap the Saved tab.

2. Then tap the flag icon to reveal the list of your saved waypoints.



GPX and KML Imports

There are two ways to import GPX and KML files into Gaia GPS.
1. Using iTunes, you can drag and drop files into Gaia GPS.
2. You can email your files to upload@gaiapgs.com

To Import a File through iTunes

1. Connect your device to your computer (which should launch iTunes)
2. Select the device from the menu on the left
3. Select the Apps tab at the top
4. Select Gaia from the app list at the bottom.
5. Drag your imports to the top level Gaia directory.
6. Start up Gaia, and it should prompt you to import the files.

To Import a File through Email

1. Email a GPX or KML file to upload@gaiagps.com
2. The subject of your email will be the title of the track.
3. You will get sent an email back - open it from your iPhone email to import the file and launch Gaia.
4. GPX files will be available for import for 30 days - the email you were sent wont work after that.

After Launch

- When you import a GPX file, a few seconds after Gaia GPS starts up, you will get an alert that says the track has been imported, and then you can view the track via the Saved Screen. If the track is very long, it may take a little while before the alert appears.

Waypoint Tracks

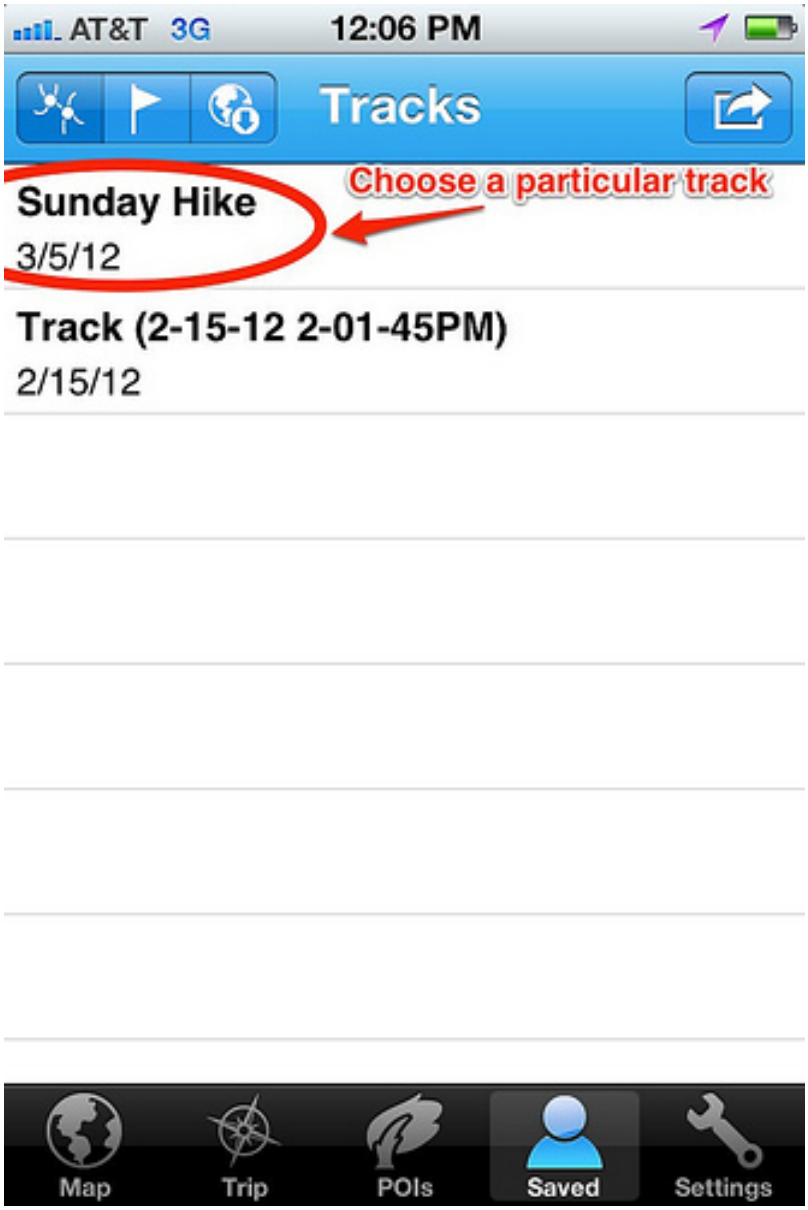
- If your imported track includes one or more waypoints, they will display on the map when you load the track, and they will be clickable.
- Waypoints will also show up in your waypoints list on the Saved screen.

Resources to Find Data to Use

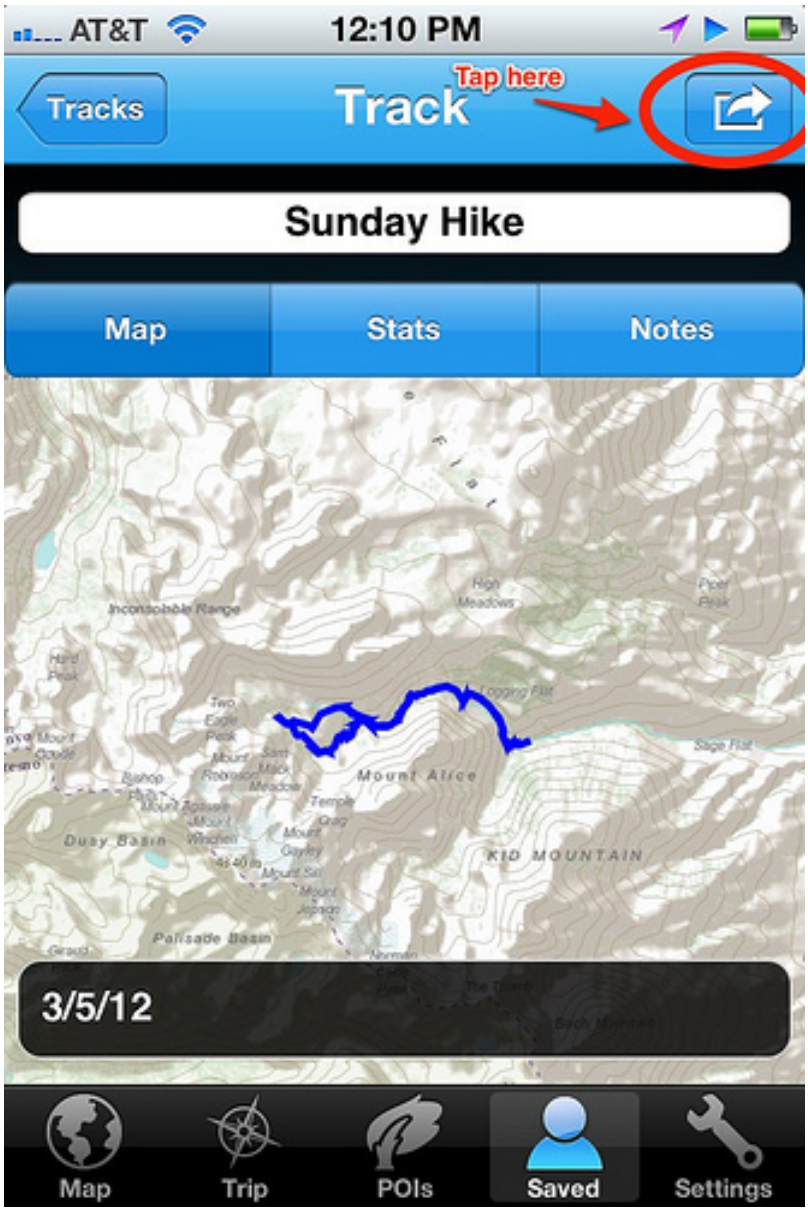
- There are many resources to find GPX data files with waypoint and track information you can use in Gaia GPS.
- TrailBehind.com (best used in FireFox) - If you press the Download GPX button on the map at www.TrailBehind.com , a GPX file can be created by right-clicking and choosing save as.
- EveryTrail.com has a large repository of GPX files, as does mtbguru.com .

How do I export tracks?

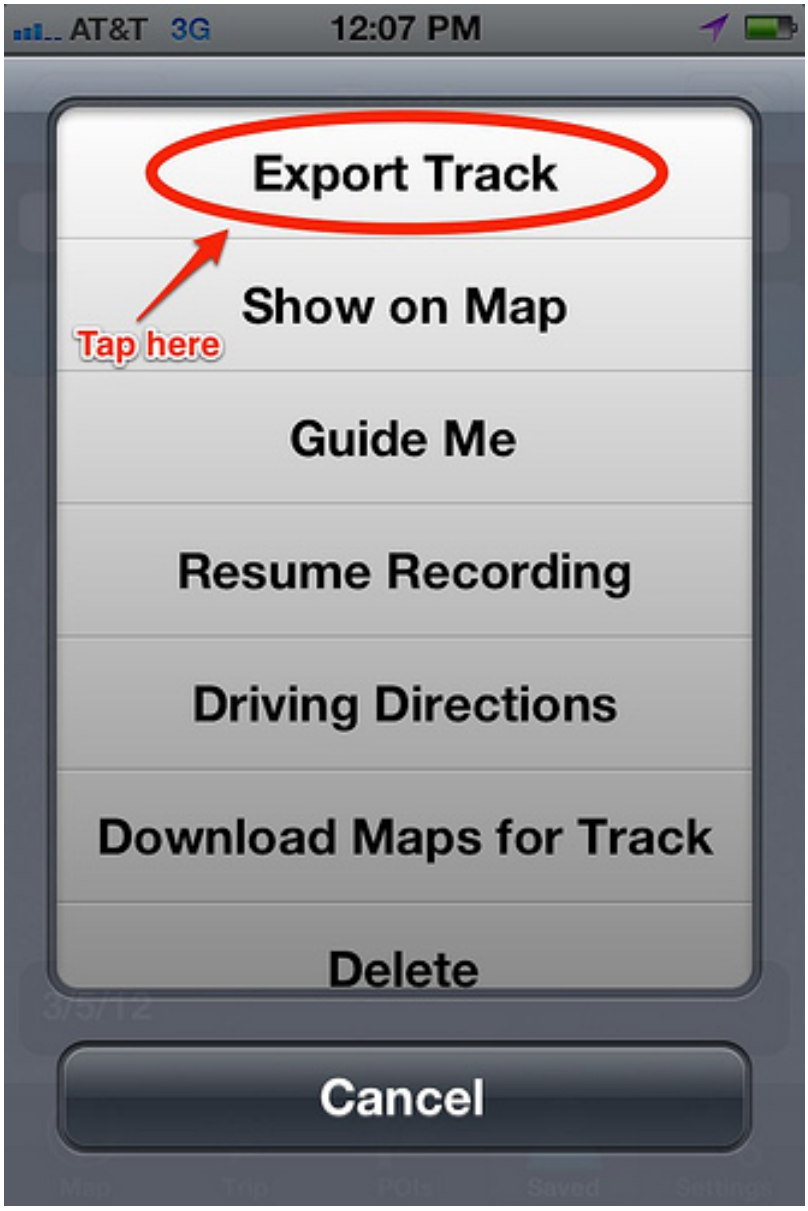
To export tracks in Gaia GPS follow these steps:
1. First, bring up your saved screen by tapping the Saved tab at the bottom of the screen. Next tap the particular track or waypoint you would like to export. Once it is highlighted you know you have chosen the track or waypoint.



2. Next, your saved track or waypoint will pop up. Tap the arrow in the upper right hand corner to display the export option.

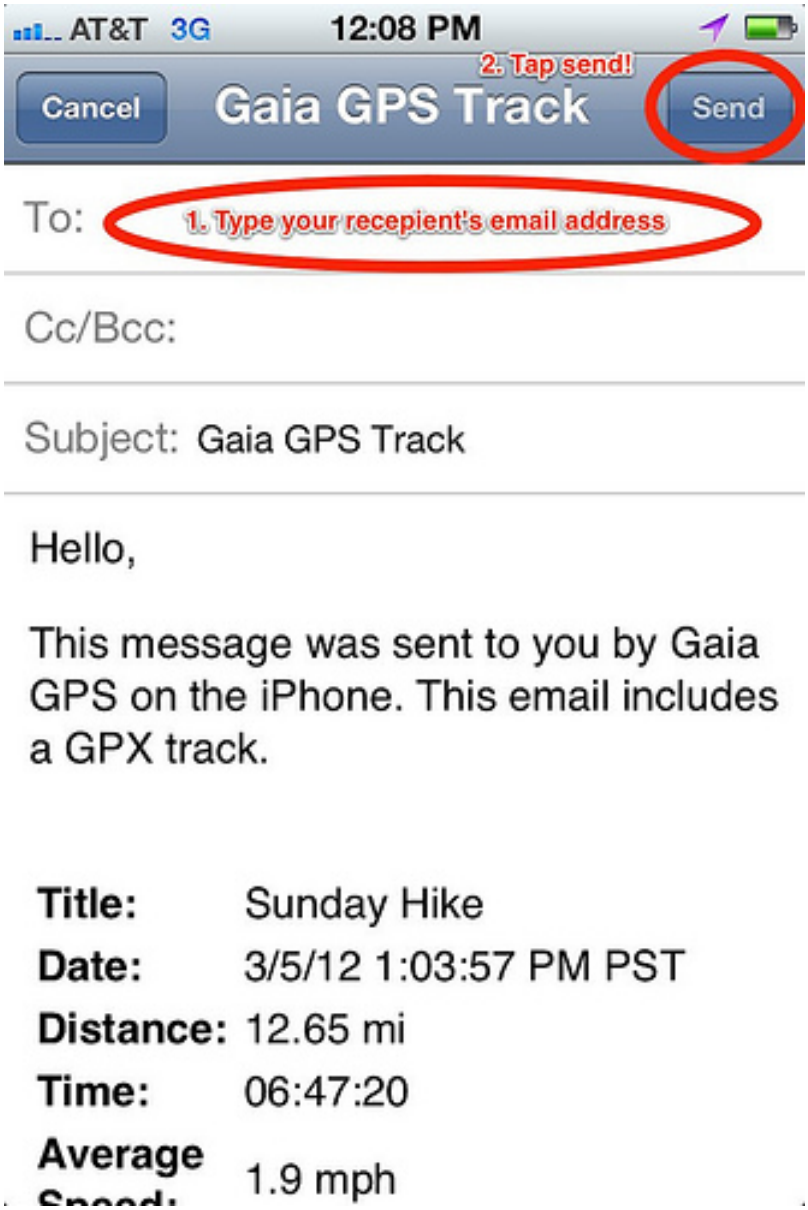


3. Then you will see your track or waypoint options pop up. Tap Export to start exporting the track or waypoint.



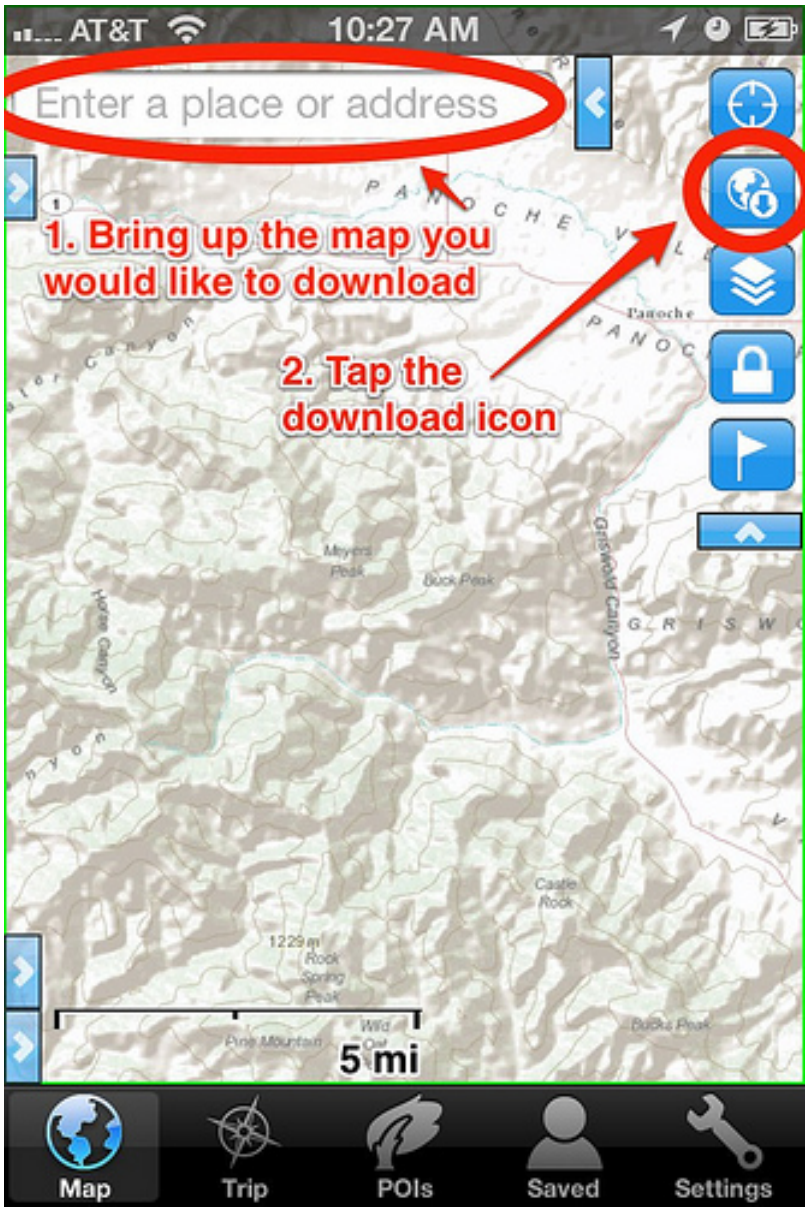
4. After you tap export, this page will pop up giving you two options to export your track or waypoint. You can email the track or waypoint, or you can upload it to Everytrial.com. Everytrail.com is a great resource for hikers to share tracks with one another. You should check it out if that seems like something you would like to use. Otherwise, tap email.

5. Finally, type in your recipients email address. Then tap send.

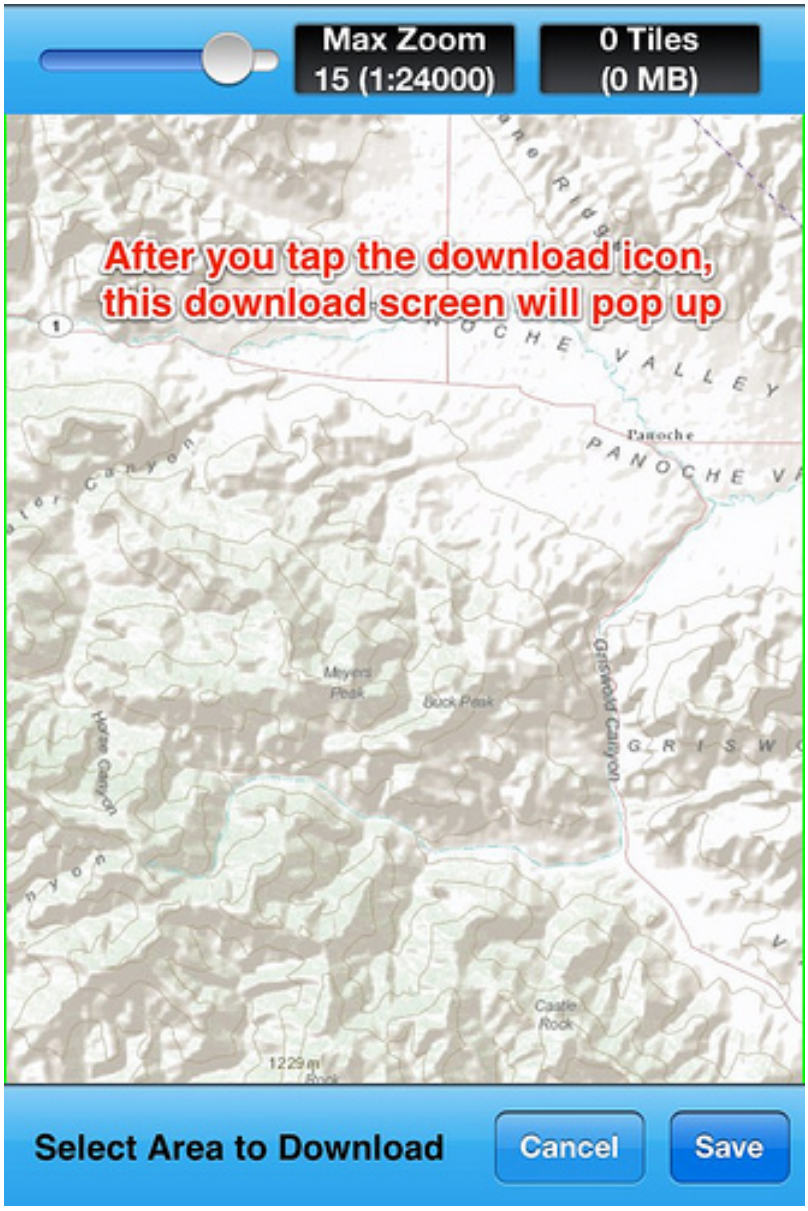


How do I download maps to use when I am offline?

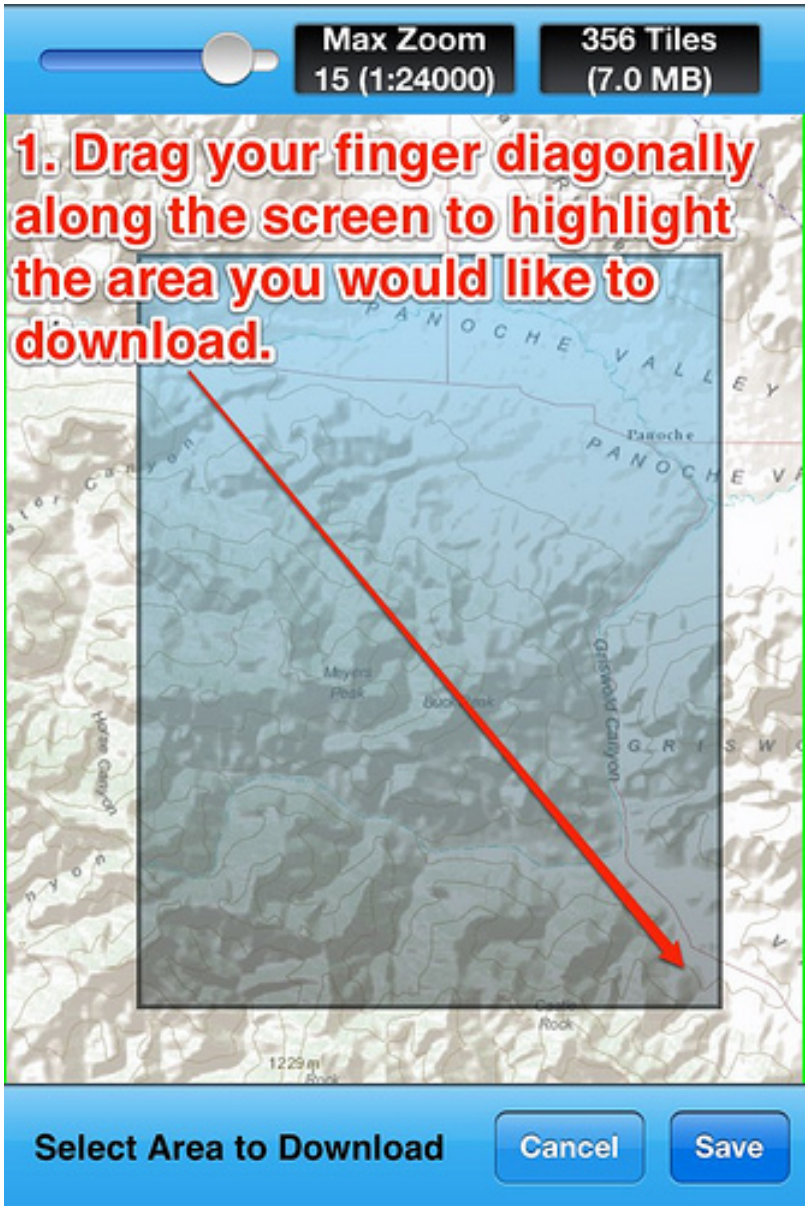
To download maps in Gaia GPS, follow these easy steps:
1. First, search for the area you would like to download, so that it is visible on your Map screen.



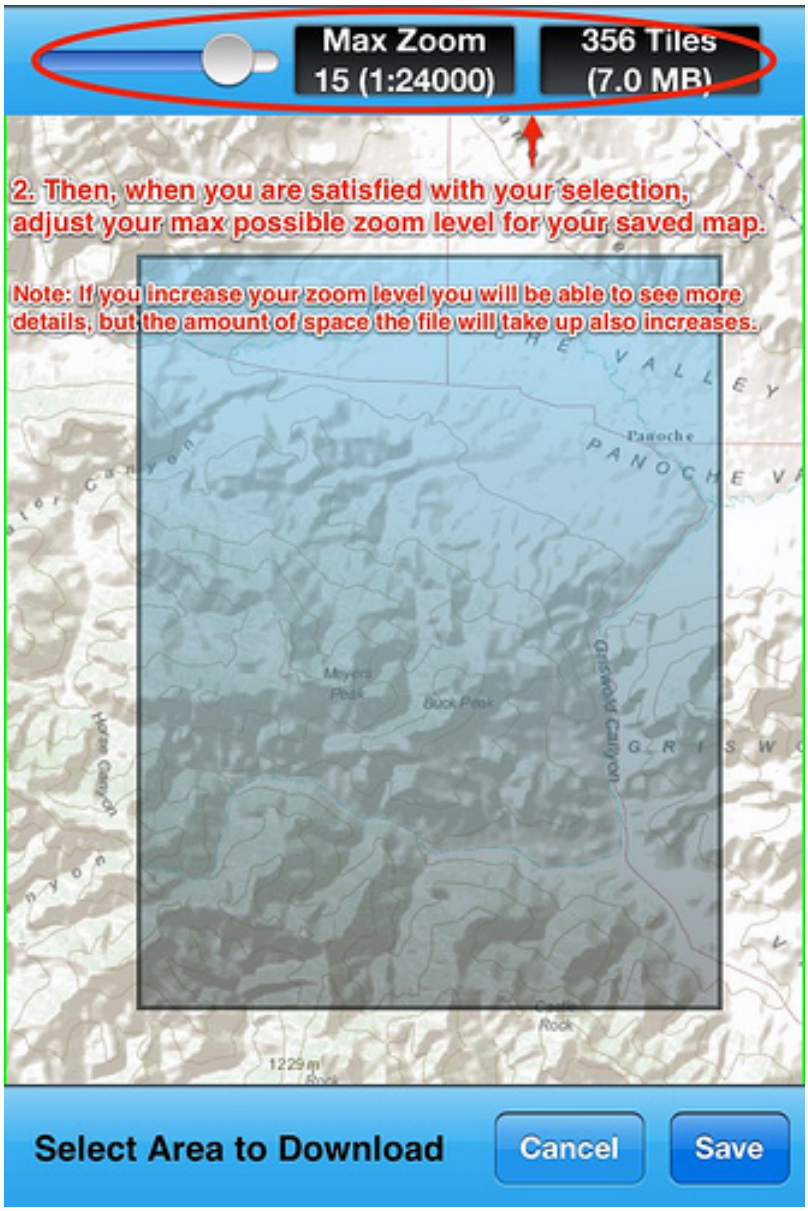
2. Then after you tap the download icon, this download screen will pop up.



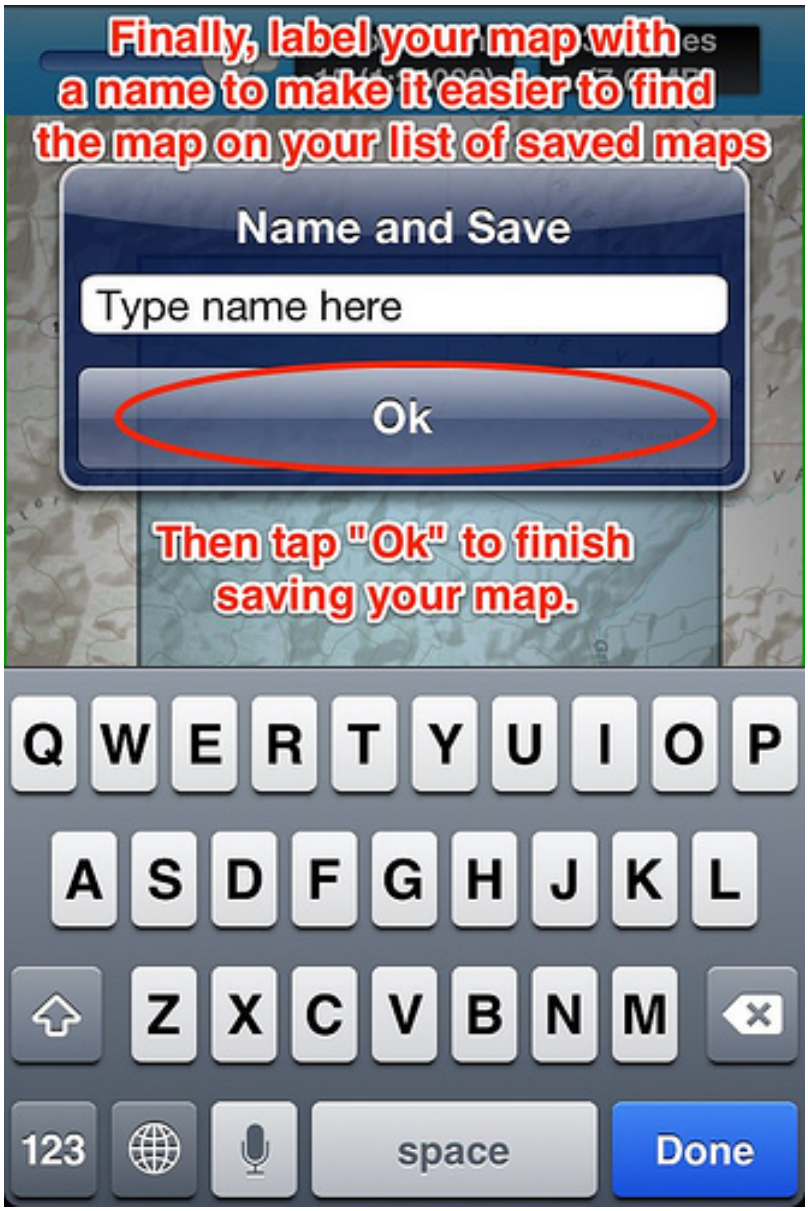
3. Next, drag you finger diagonally along the screen to choose the area you would like to download.



4. Then, make sure to adjust your max zoom levels. Note: the more zoom you allow, the more detail you will be able to see of the downloaded map, but the amount of space the file will take up on your device also increases.

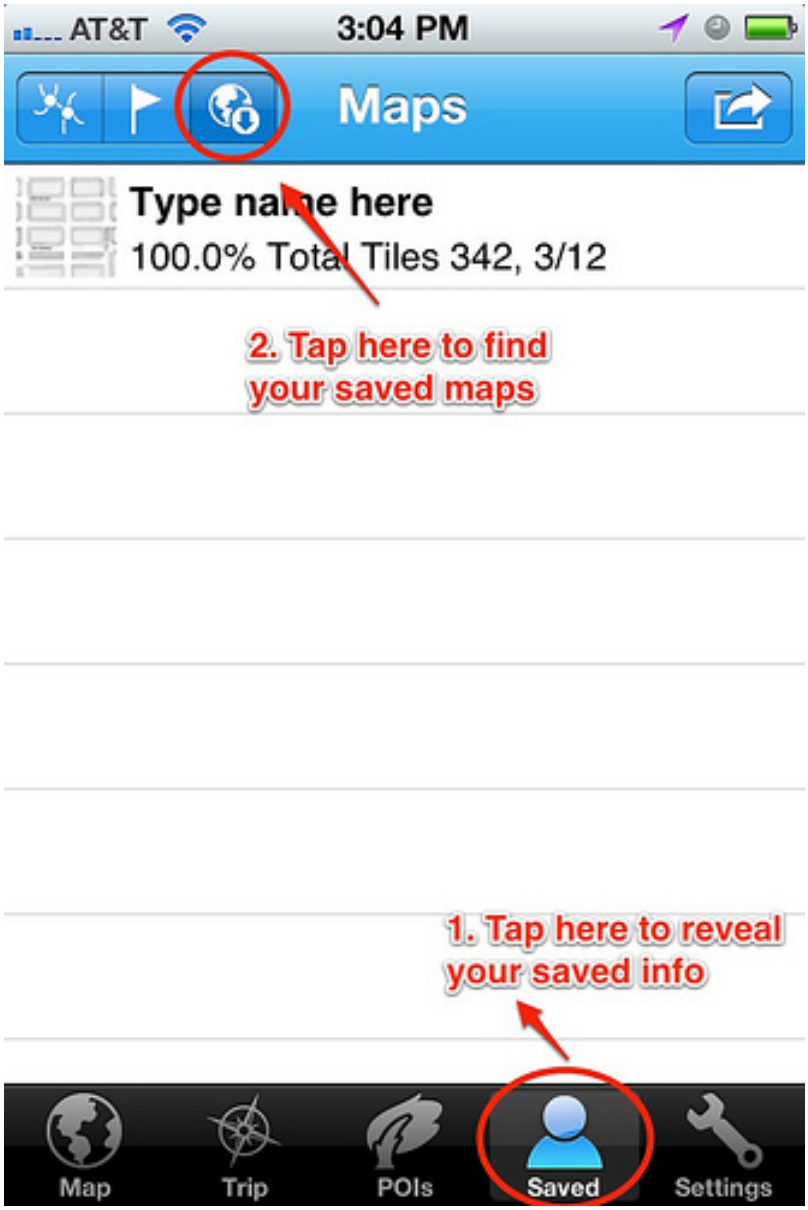


5. Finally, choose a label for your saved map. This will help you find your map when it is stored under the list of saved maps on the Saved Screen.

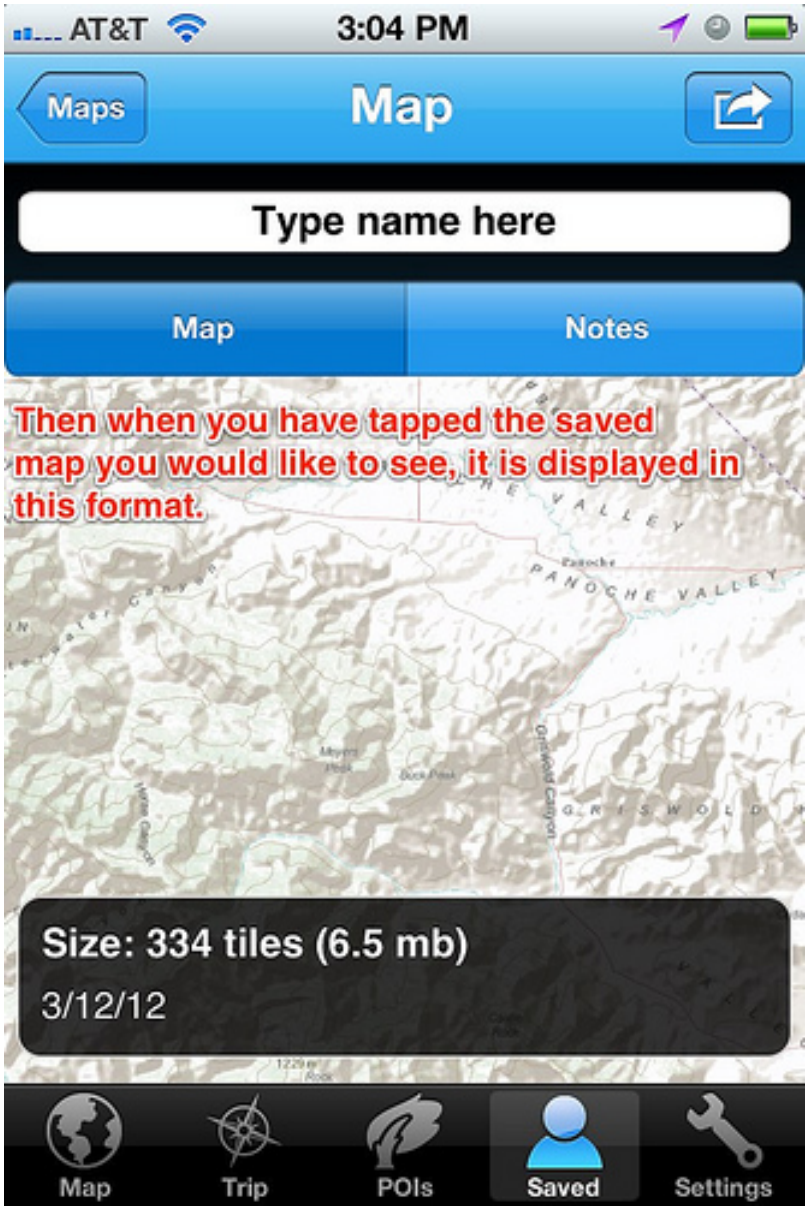


Here is a few other tips to keep in mind when downloading maps:

• After you have saved your map, you can find it under your Saved tab. Tap the Saved tab to reveal your saved info. Next, choose the downloaded map icon on the top, to find your saved maps.

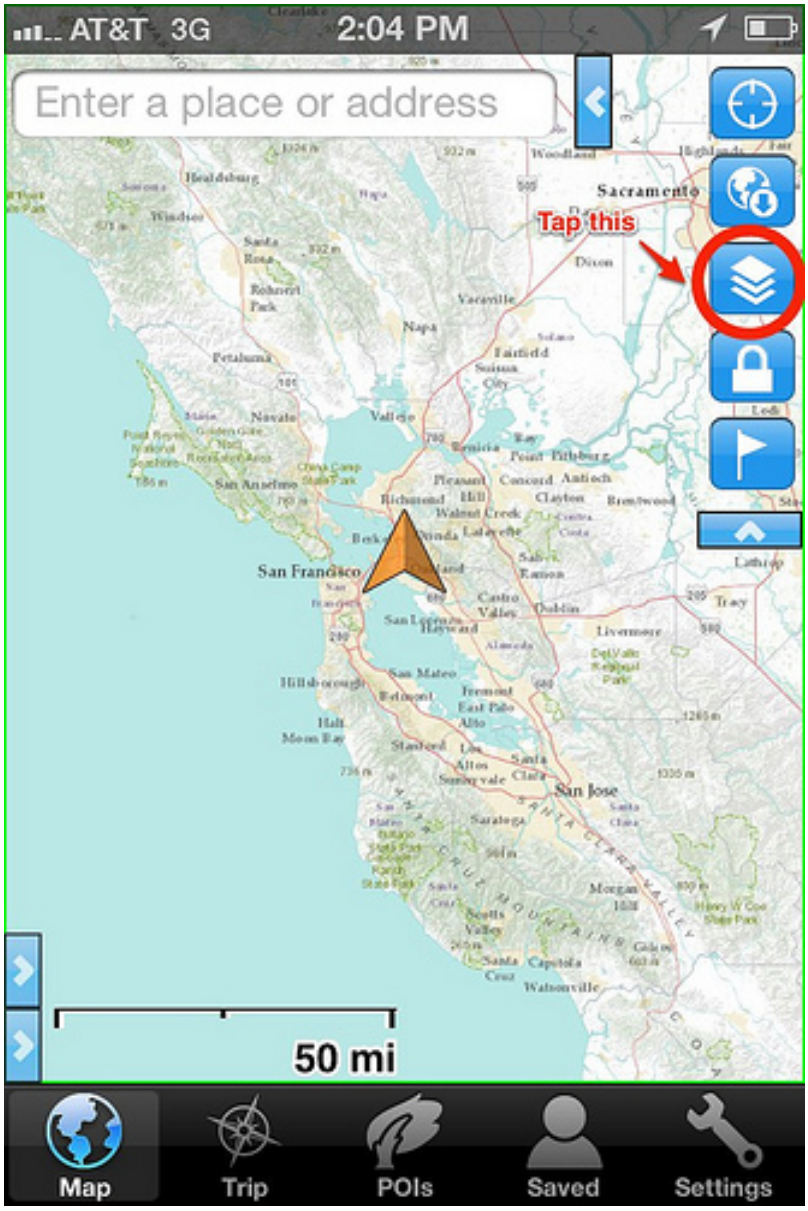


- When you click on a saved map, this is the format your saved map will be displayed in. Happy trails!

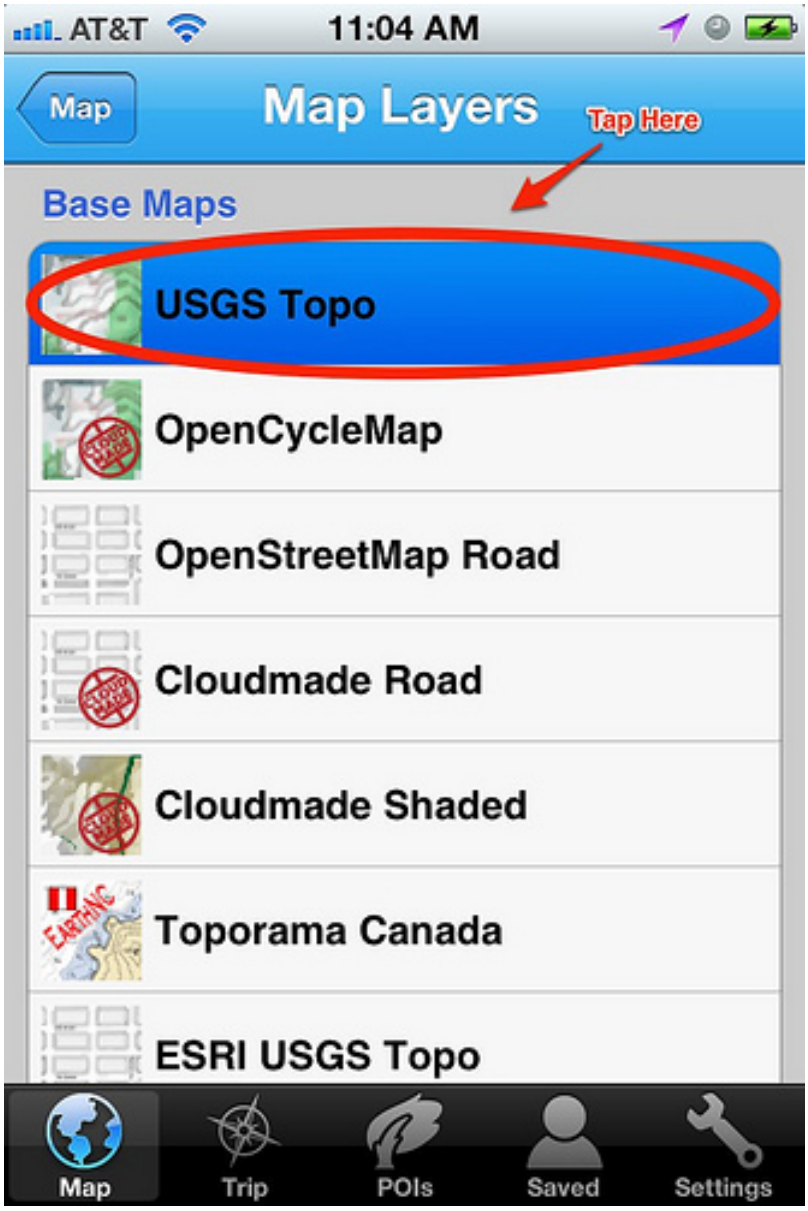


Follow these steps to change your map source:

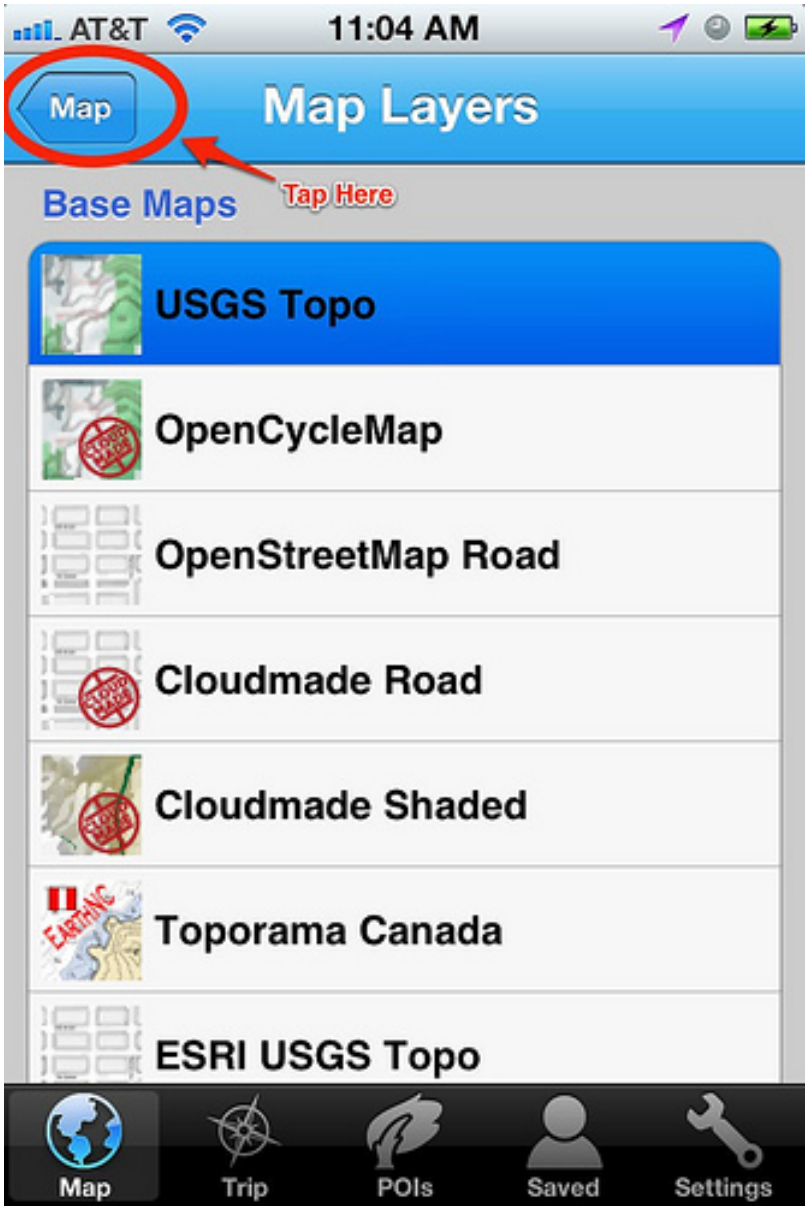
1. To access your other map sources, tap the third blue button on the right.



2. Tap USGS Topo to change to the USGS Topo map source.



3. Then tap the blue arrow at the back of the top left corner to go back to your map display and see your new USGS Topo map source.



How To Reduce Battery Loss

We know that a lot of Gaia GPS users take extended backcoutry trips and need to conserve their iPhone batteries. There are some things you can do to increase the battery life of your iPhone, such as shutting down extraneous running apps in the task bar, lowering your brightness, turning off your equalizer, or restricting your location services only to Gaia GPS while you are hiking. Apple has a useful site that lists ways to preserve battery life. Additionally, Adventure Alan has a super informative site that explains how to use your iPhone as a GPS tracking device, including detailed information on how to reduce battery loss.

How to Use the Map Warper

We have spun up a site that will turn your paper or digital maps into the format we use in Gaia GPS. Since this is a new feature, we would love to receive feedback from anyone who has used it. Please email us at gaia@gaiagps.com to tell us about your experience. **To import a map:**
1. Visit warper.gaiagps.com
2. Make an account
3. Upload a map file
4. Rectify the map by choosing points that correspond to the reference map (OpenStreetMap)

Once you have saved your converted map:
1. Go to the Export tab on the site
2. Choose the Gaia URL link
3. Paste that URL into Safari on your device, and Gaia will open and add the map source

The code for this site was originally created for the New York Public Library. Jeff Johnson, friend of the company, spun up a copy we can use in Gaia. Many thanks to Jeff for his efforts!

Non-Obvious Features in Gaia GPS

1. Swipe the map labels to change the stats that they show.
2. Double tap the trip computer to rearrange it. (does not work in iOS5)
3. Turn the map sideways for a full-screen view.
4. The colored border around the map indicates GPS signal - green for good, yellow for mediocre, and red for bad.
5. Send a GPX track to upload@gaiagps.com to import it to your phone. The subject line is the track title.
6. Download maps along an imported or recorded track. Go to the Details screen for any Track, and select Download Maps for Track.
7. While recording, get the best battery life by backgrounding the app under iOS 4.0 with the Home Button, or using the Sleep button on the top of your iPad or non-iOS 4.0 devices. Turn off push notifications, wifi, and 3G to conserve battery. You can also remove your SIM card to increase battery life.
8. Get guidance to waypoints, photos, and tracks via Details pages.
9. For best results, do your map downloads and data exports in wi-fi or strong 3G coverage.
10. Swipe the rows of your Saved things to delete them one-by-one.

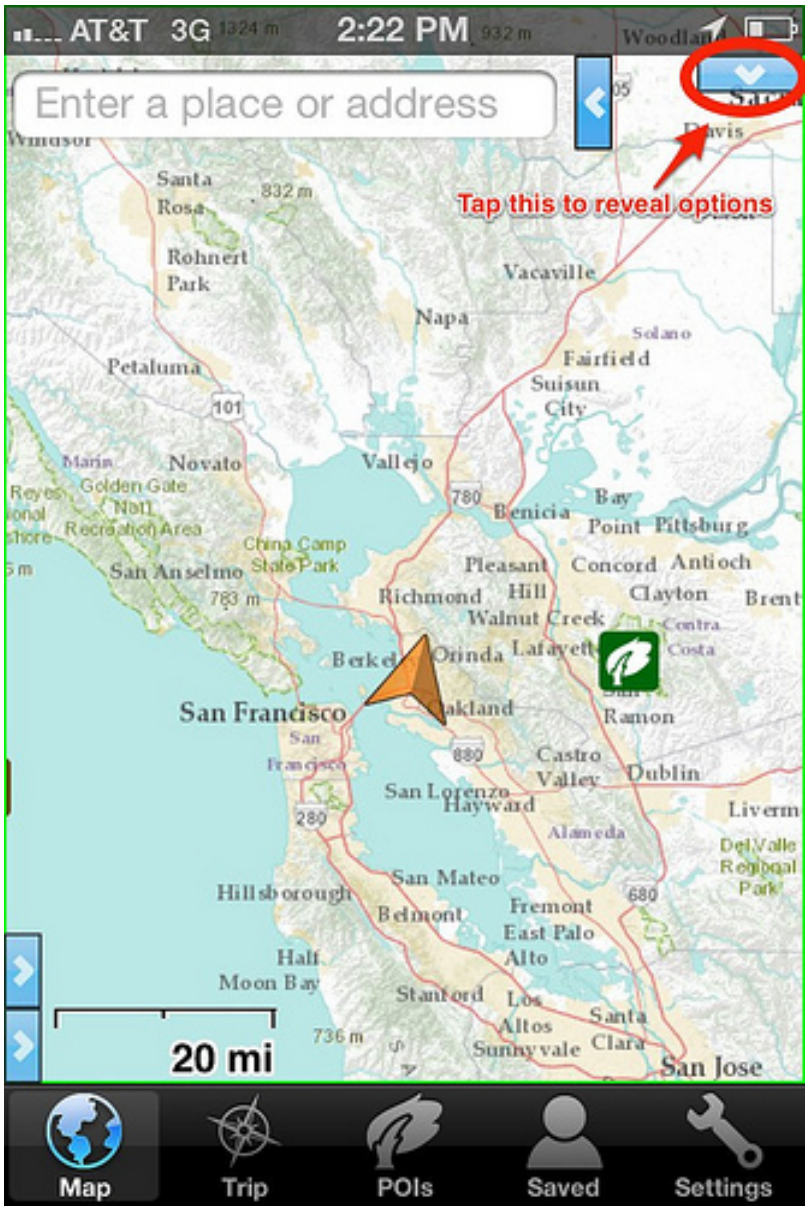
I am using Gaia GPS internationally and the USGS topo maps do not cover my area. What other topo sources can I use?

Were sorry, the USGS topo maps dont work in Europe. The app includes the following map sources that work internationally:

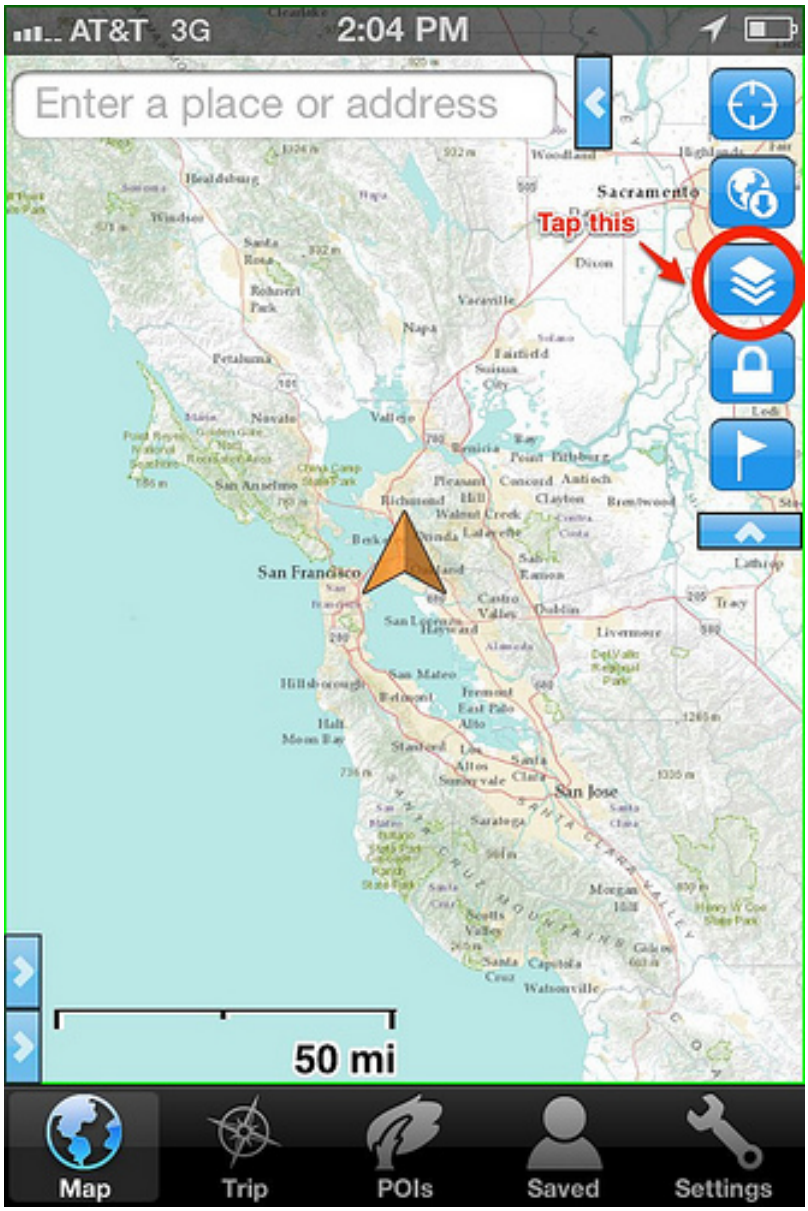
- http://www.opencyclemap.org
- http://maps.cloudmade.com/

To change from USGS topo maps to these map sources

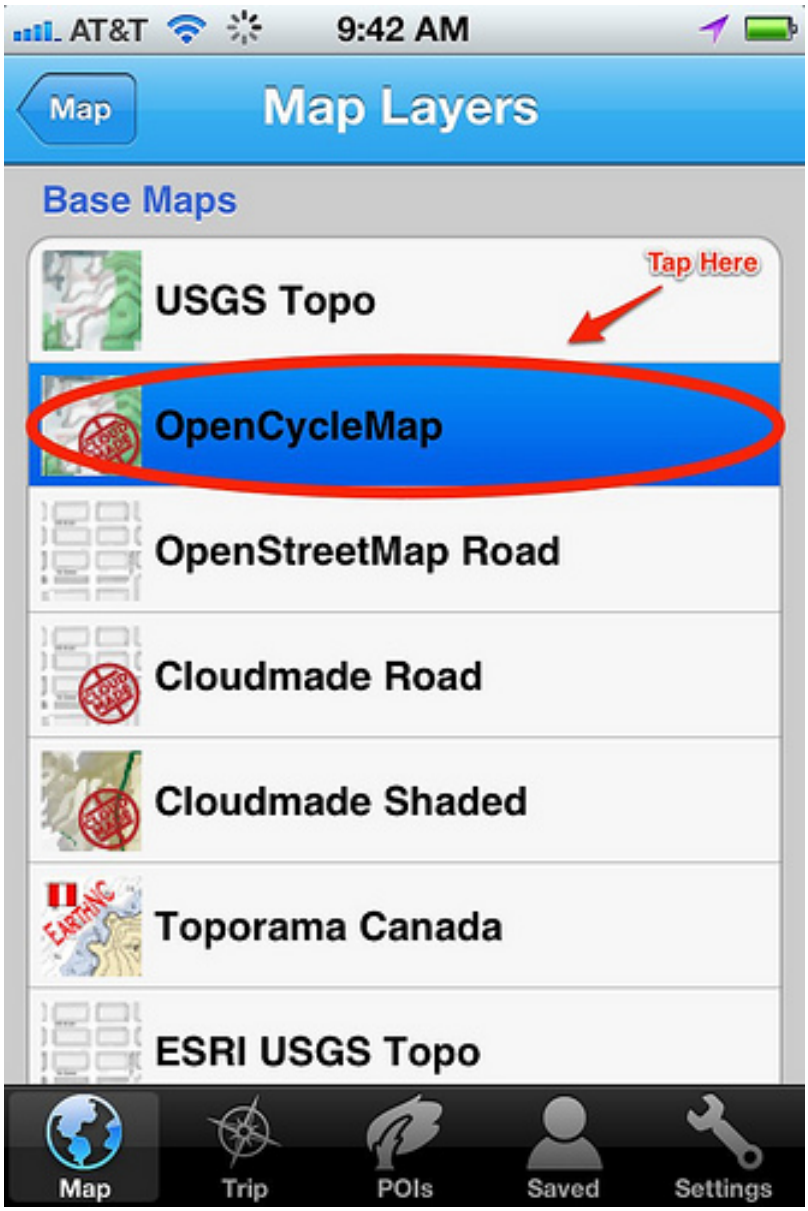
1. You may have hidden your map options. To reveal your options click the blue arrow in the top right of the app. Once those options are displayed you can find out which map you are currently using and change it to another map.



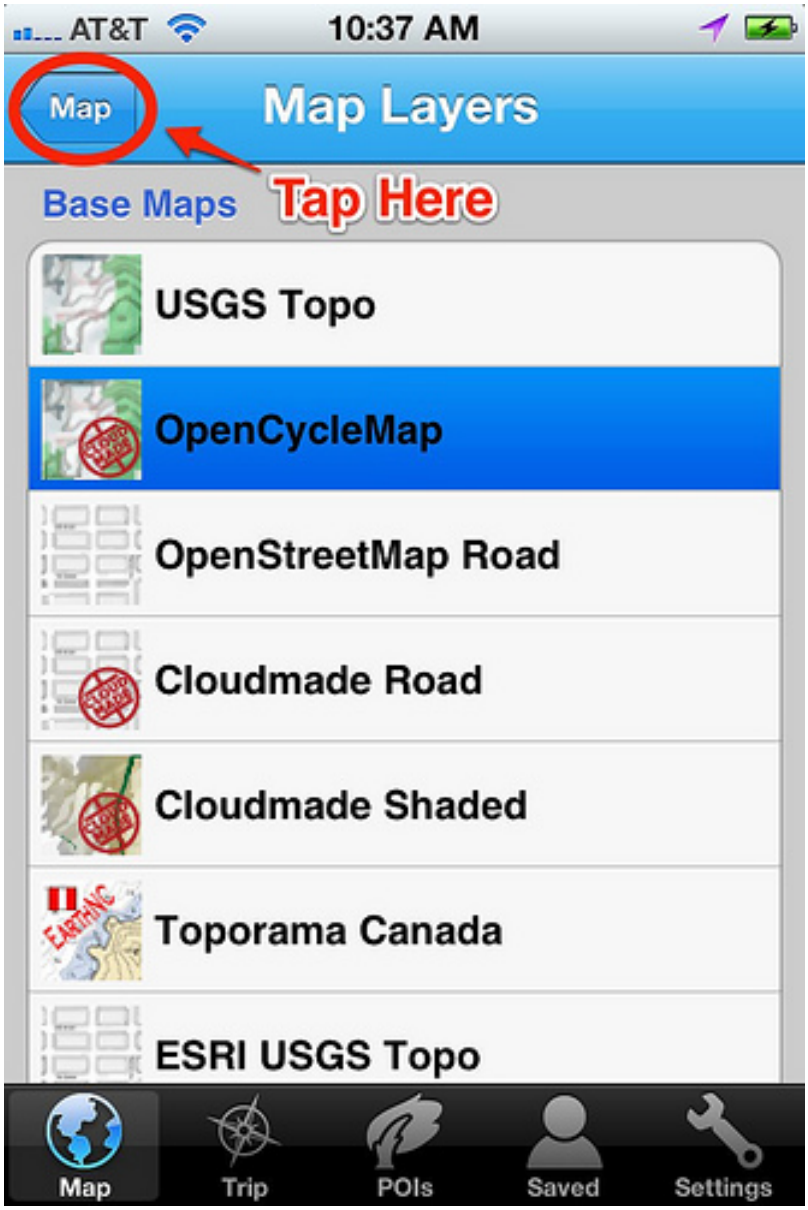
2. To find out which map you are using click the third blue square from the top to launch the different maps option. The map type you are currently using is highlighted in blue.



3. To change to another topographic map that works in Europe, simply tap the OpenCycleMap or Cloudmade map sources.

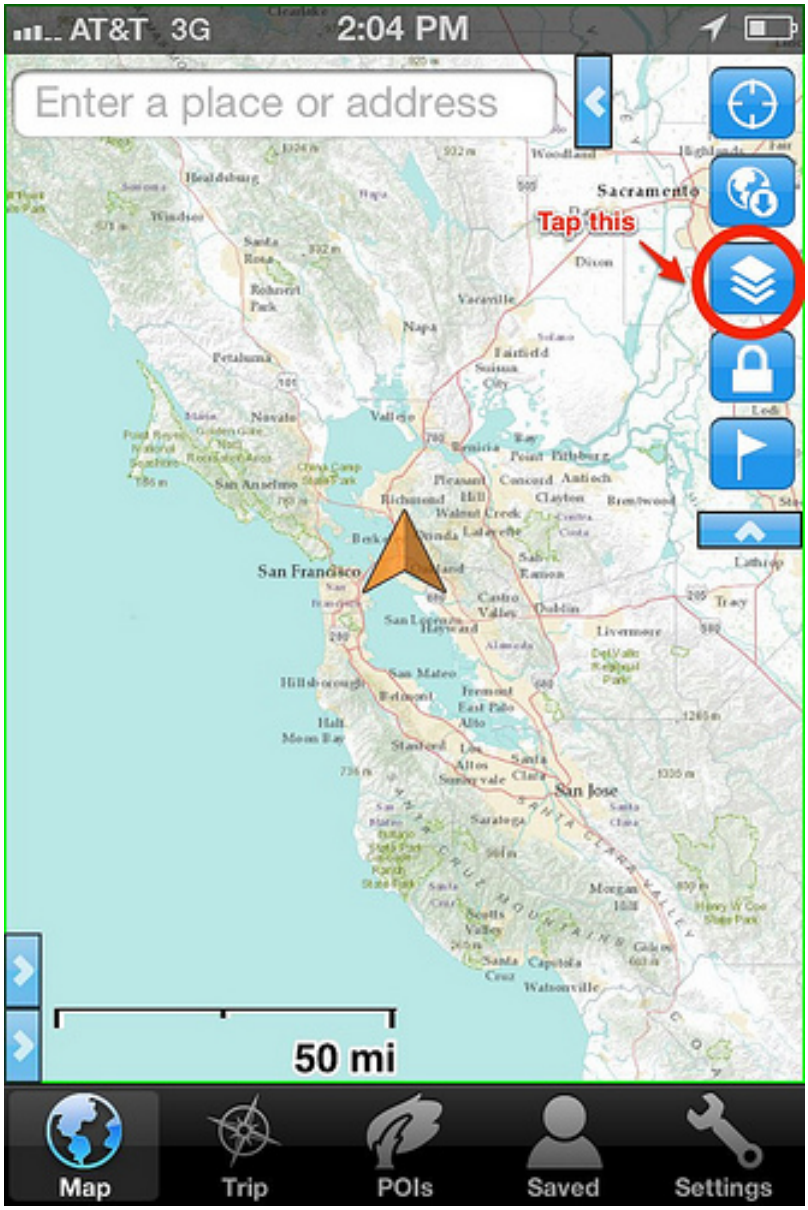


4. Then tap the blue arrow at the back of the top left corner to go back to your map display and see your new map source which you can use in Europe. Now you will see a topographic map of Europe.



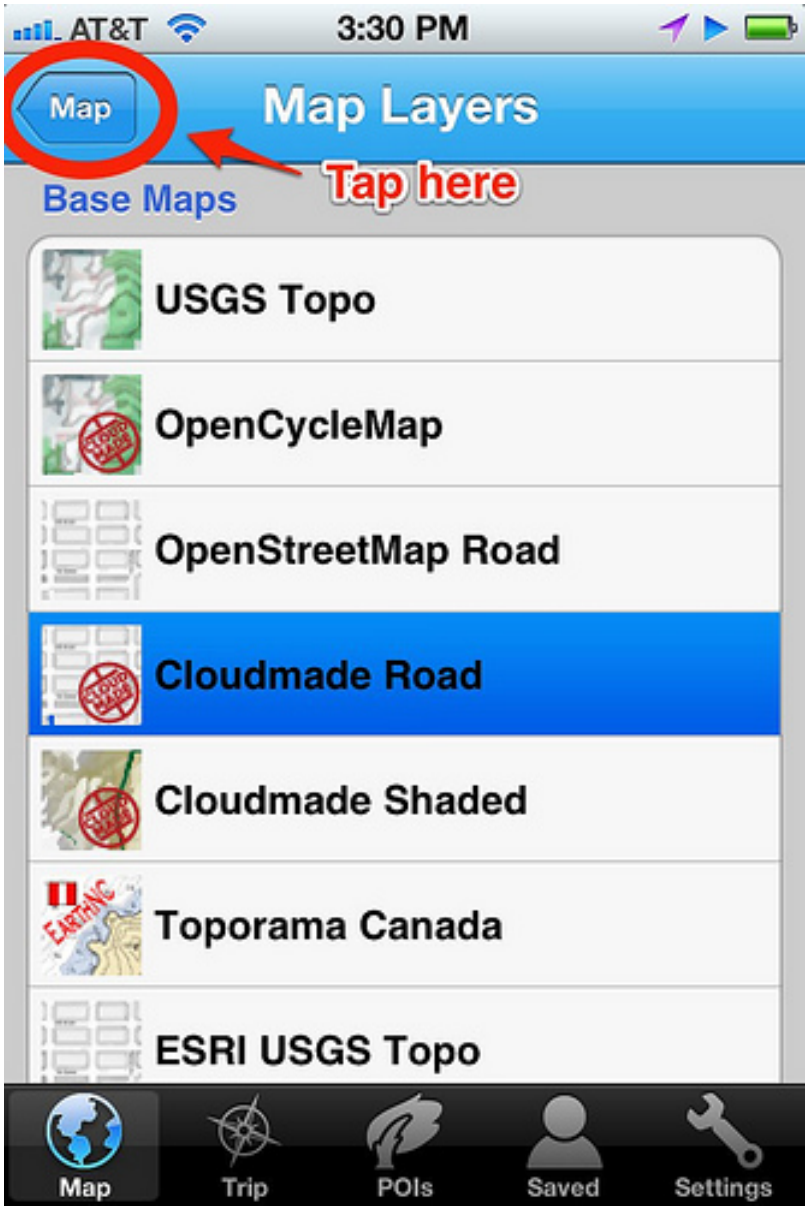
The app only restricts you from caching the OpenStreetMap source, and Google imagery. OpenStreetMap is a free, public server, and we overload them when we allow caching. Instead of downloading OpenStreetMap, we would recommend you try the CloudMade road map source, which can be cached, and is essentially the same map. The app also has several sources of cacheable imagery, for use instead of Google.
Follow these prompts to change your map source:

1. To access your other map sources, tap the third blue tile on the right.



2. To change to another map which you can download, simply tap the Cloudmade road map source.

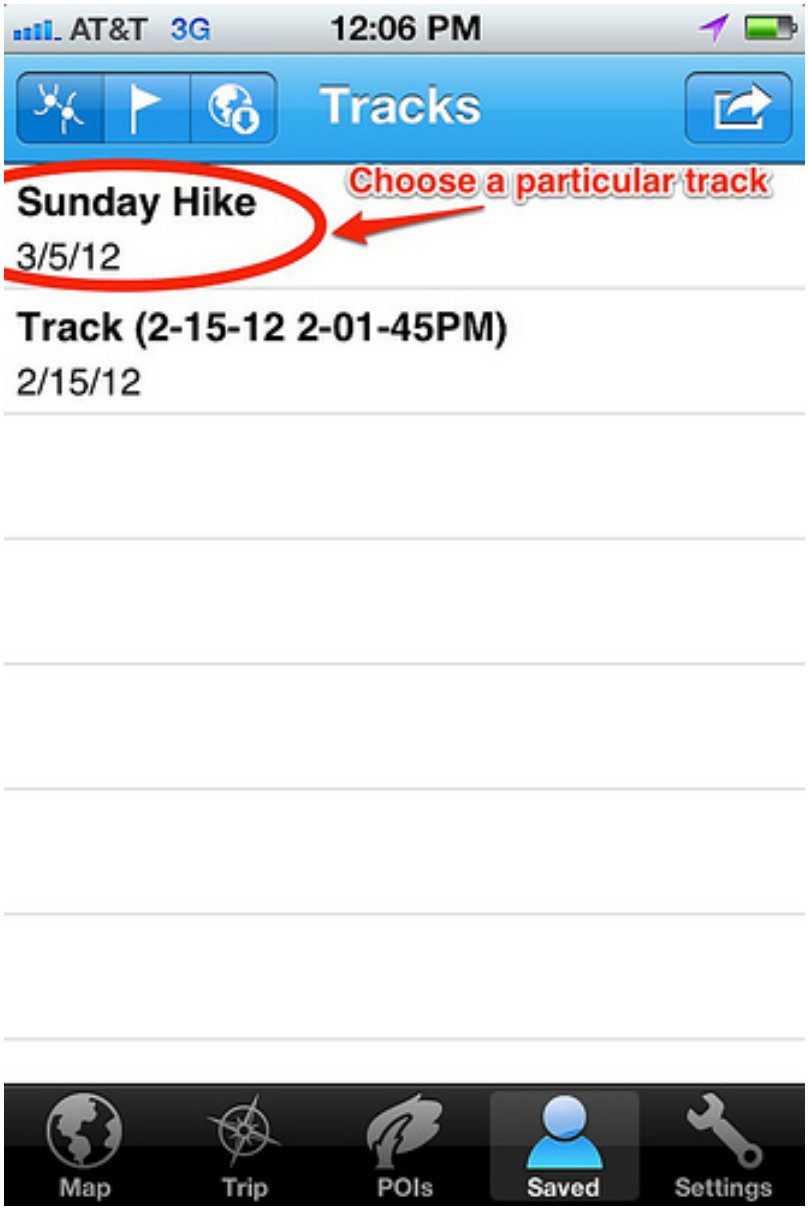
3. Then tap the blue arrow at the back of the top left corner to go back to your map display and see your new Cloudmade road map source which you can download.



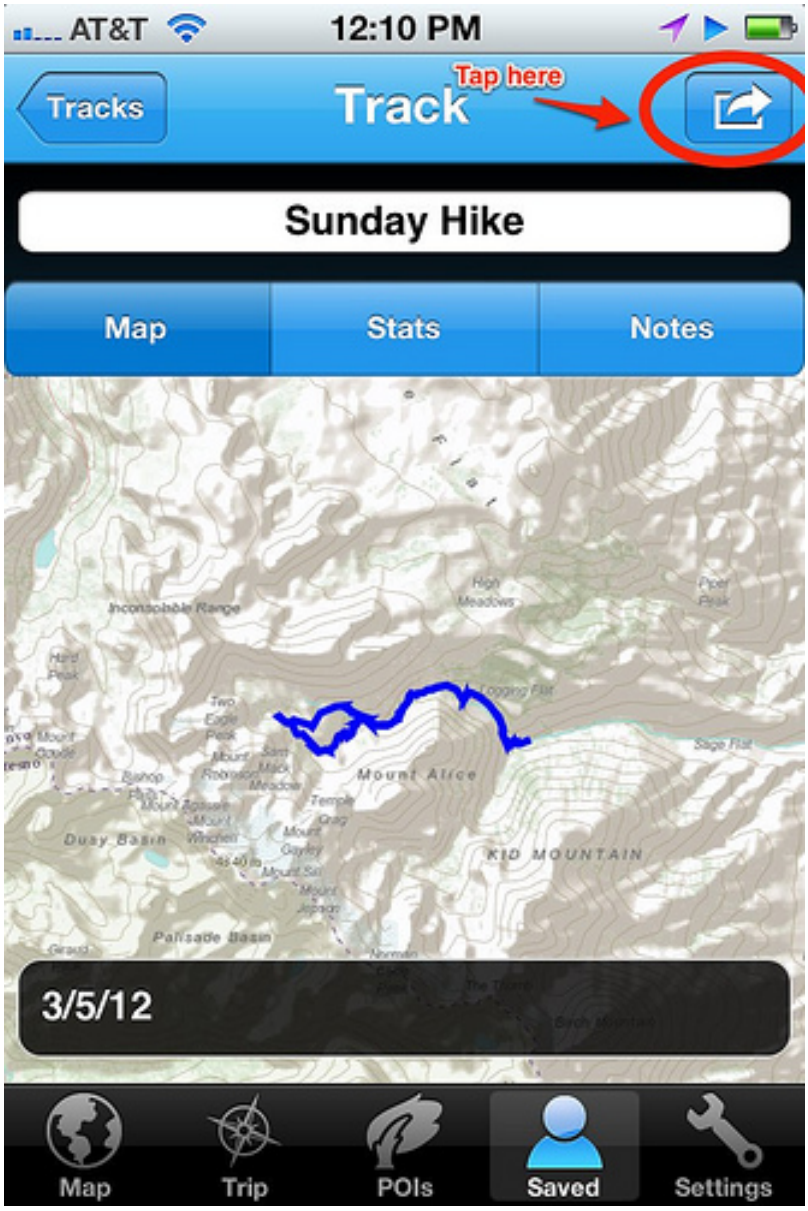
Now, when you go back to your map screen, you will see your download icon (the second blue square with a globe on it) is again blue and active.

How do I export tracks?

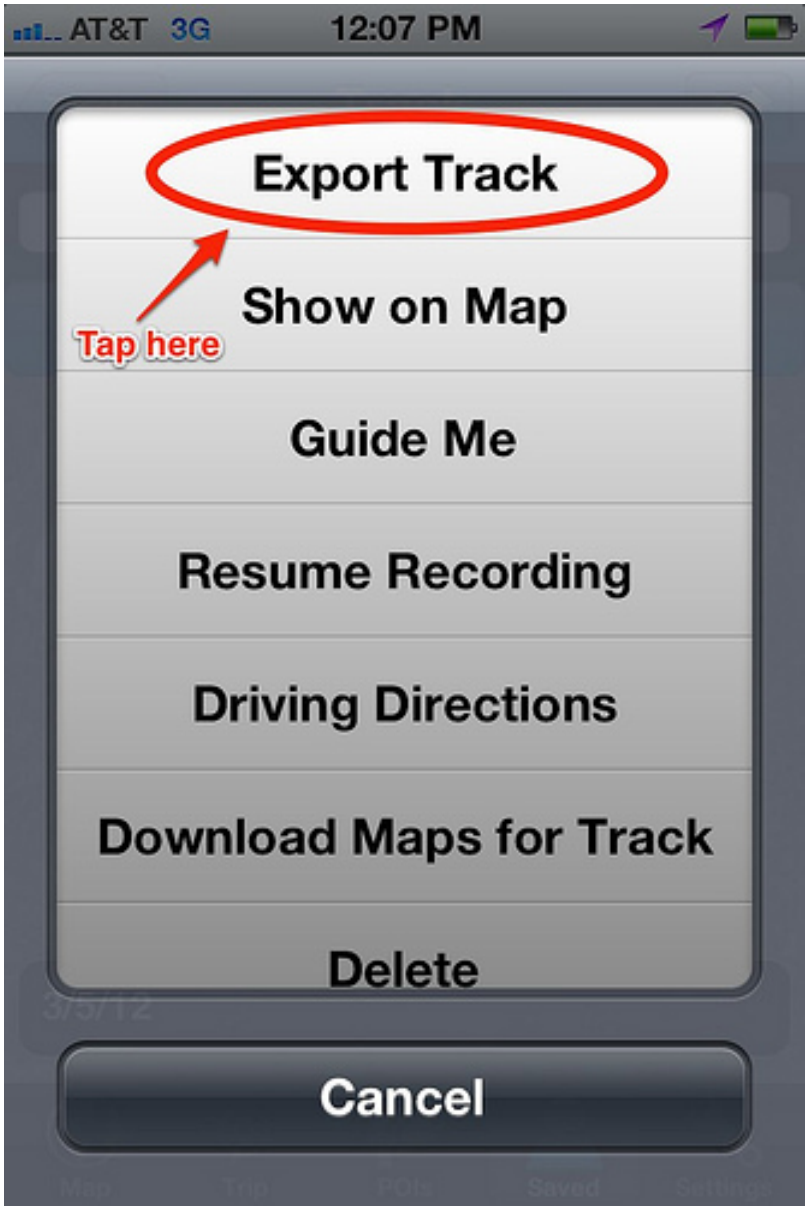
To export tracks in Gaia GPS follow these steps:
1. First, bring up your saved screen by tapping the Saved tab at the bottom of the screen. Next tap the particular track you would like to export. Once it is highlighted you know you have chosen the track.



2. Next, your saved track pops up. Tap the arrow in the upper right hand corner to display the export option.

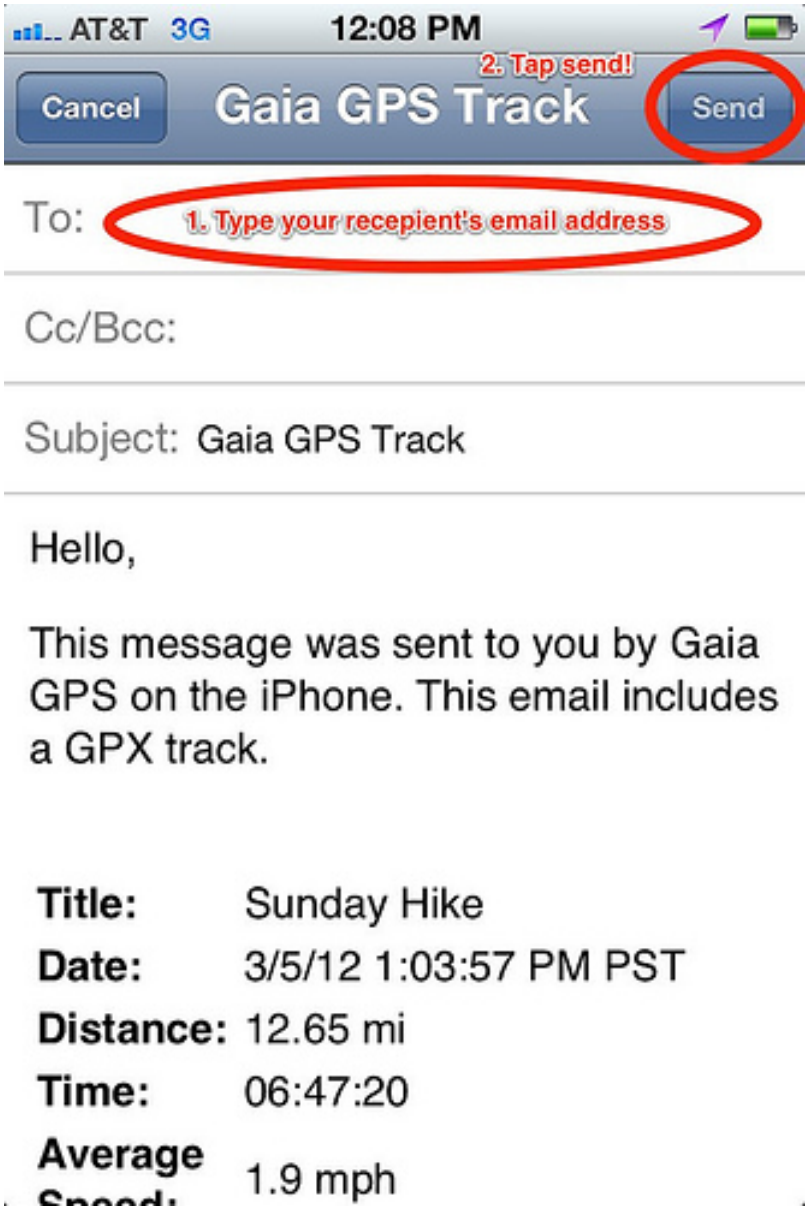


3. Then you will see your track options pop up. Tap Export Track to start exporting the track.



4. After you tap Export Track, this page will pop up giving you two ways to export your track. You can email the track or you can upload it to Everytrial.com . Everytrail.com is a great resource for hikers to share tracks with one another. You should check it out if that seems like something you would like to use. Otherwise, tap email.

5. Finally, type in your recipients email address. Then tap send.

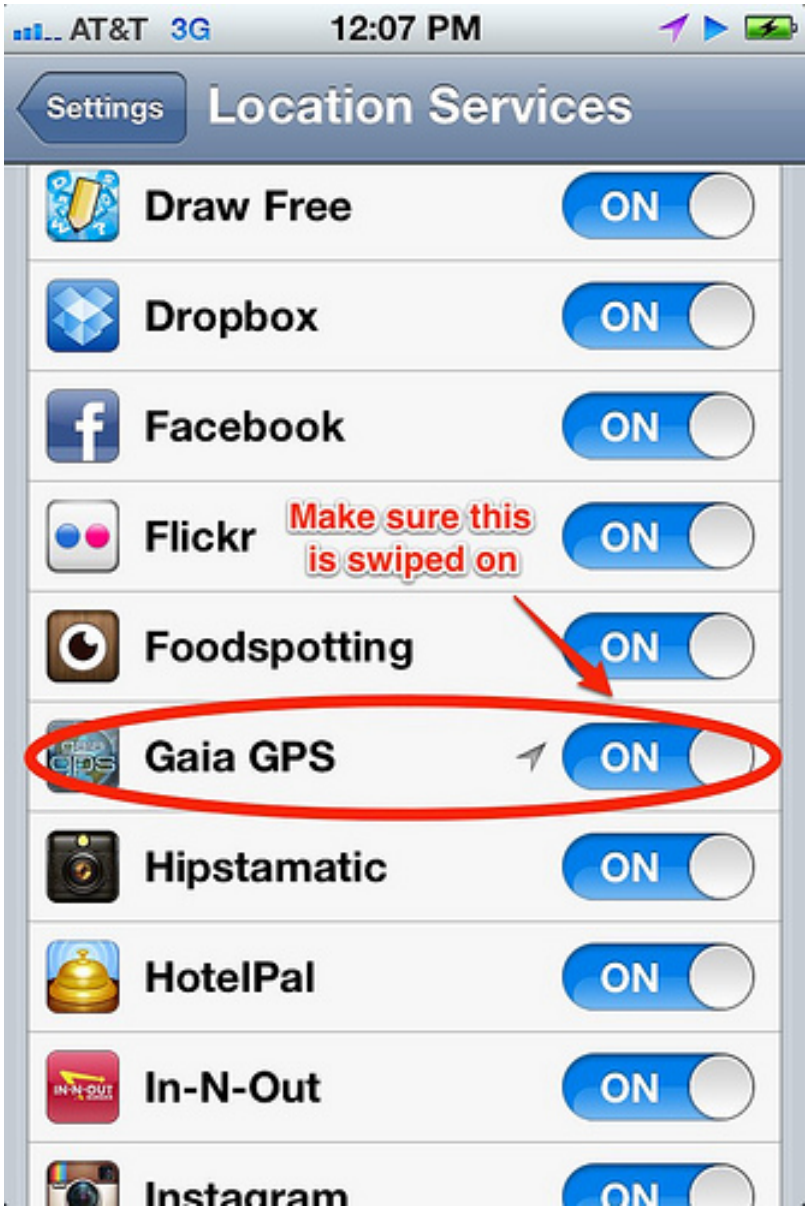


Gaia GPS isnt locating me. How do I fix this?

1. To change your settings, first tap the settings App.

2. Next, find your Location Services tab. Tap it to change your Location Services settings.

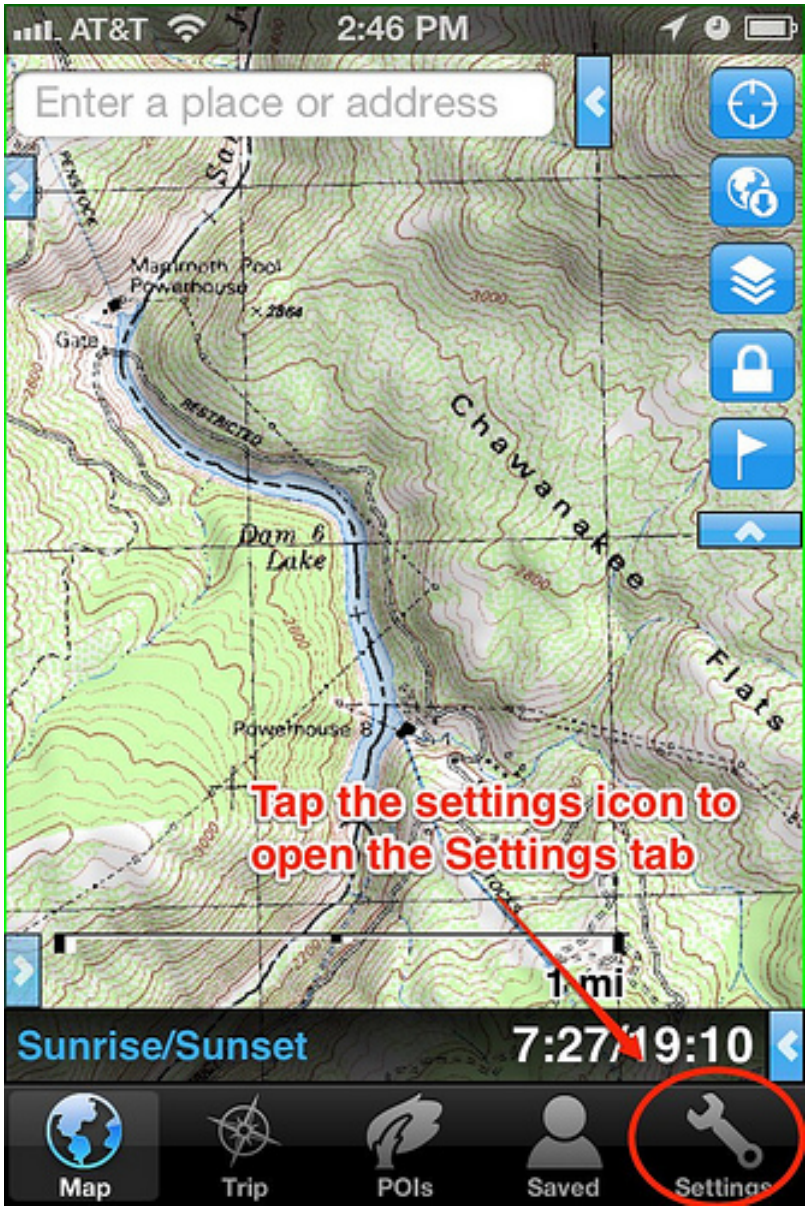
3. To change your iPhone GPS settings to allow Gaia GPS to access GPS services, swipe the switch to ON.



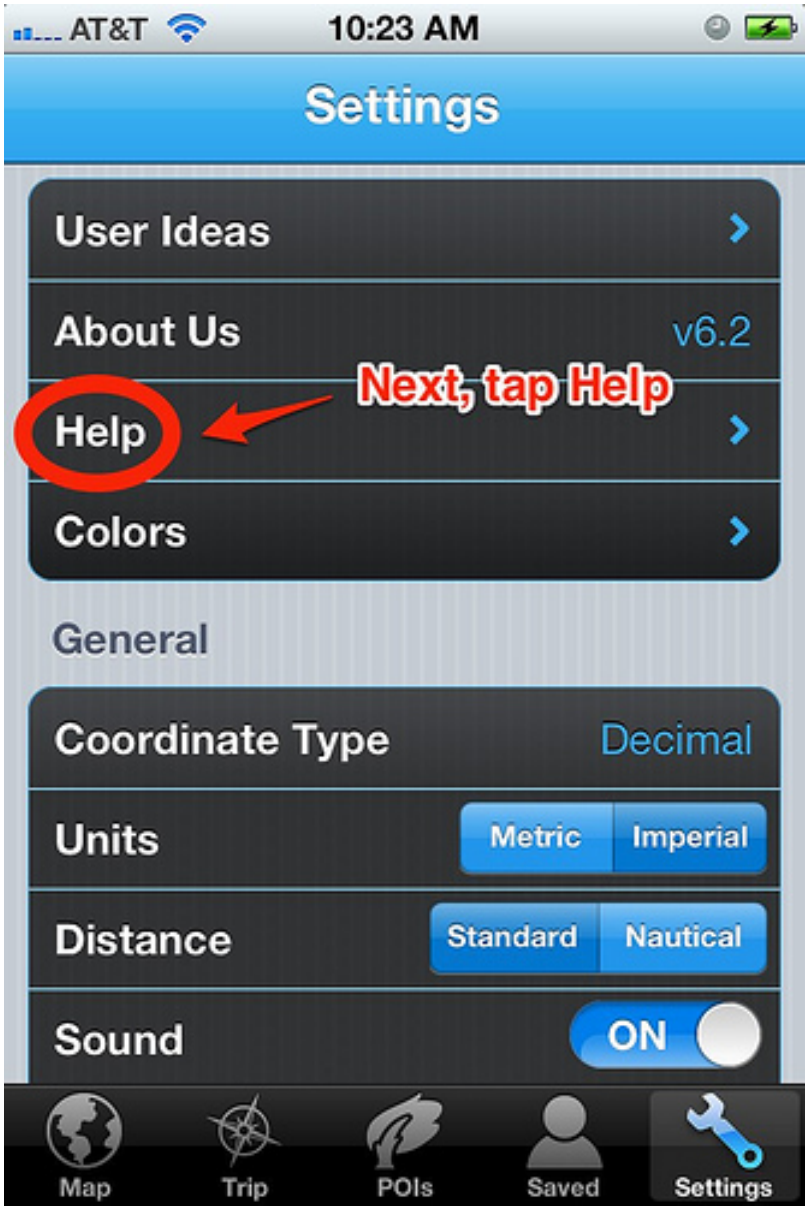
Where can I find topo maps of Alaska?

For Alaskan topo maps, we suggest adding an extra source to Gaia GPS. To add an extra source, follow these simple steps:

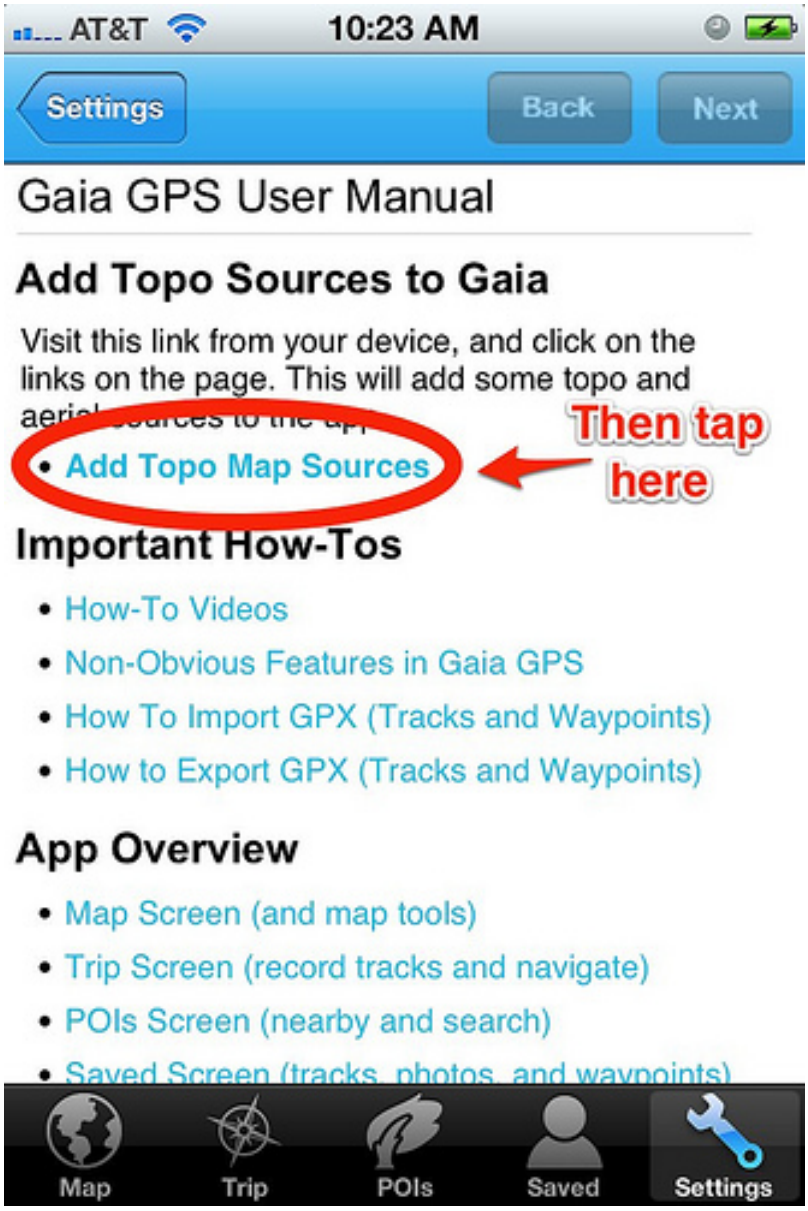
1. In Gaia GPS, tap on the Settings tab



2. Once you are in the Settings screen tap Help

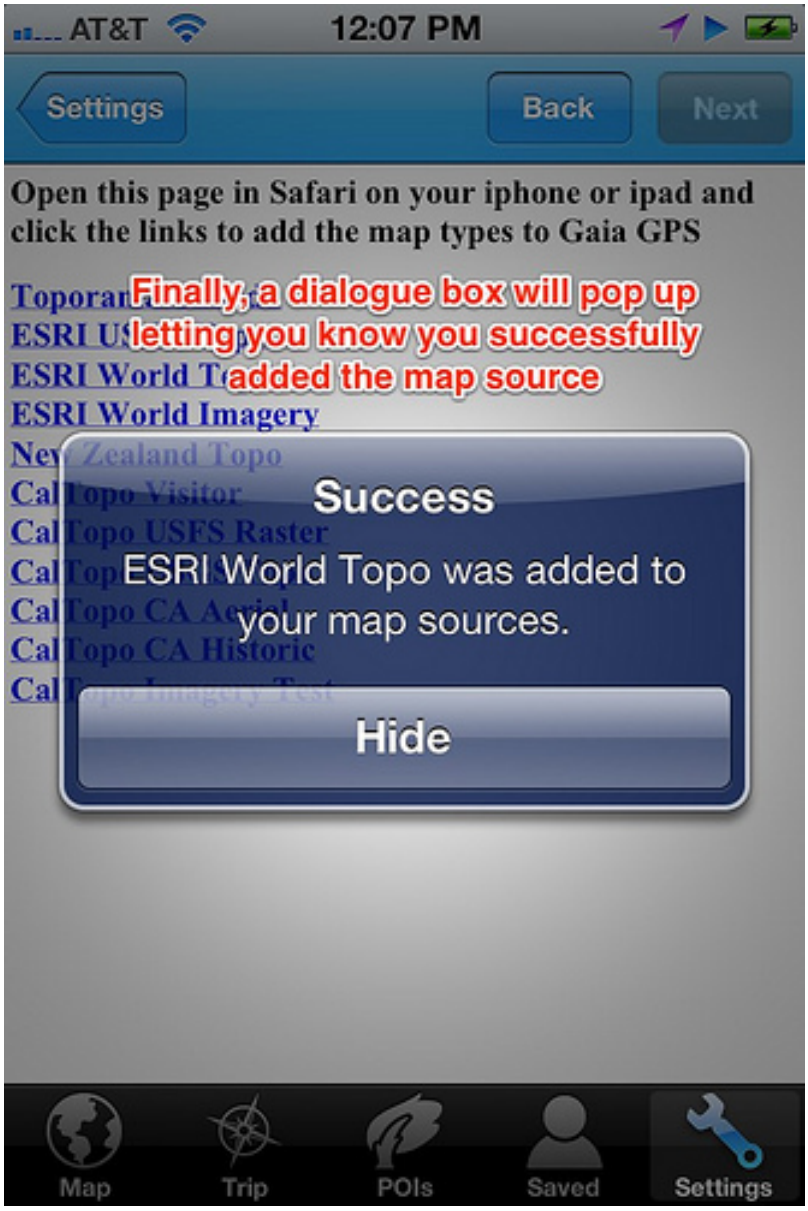


3. From there, tap Add Topo Map Sources



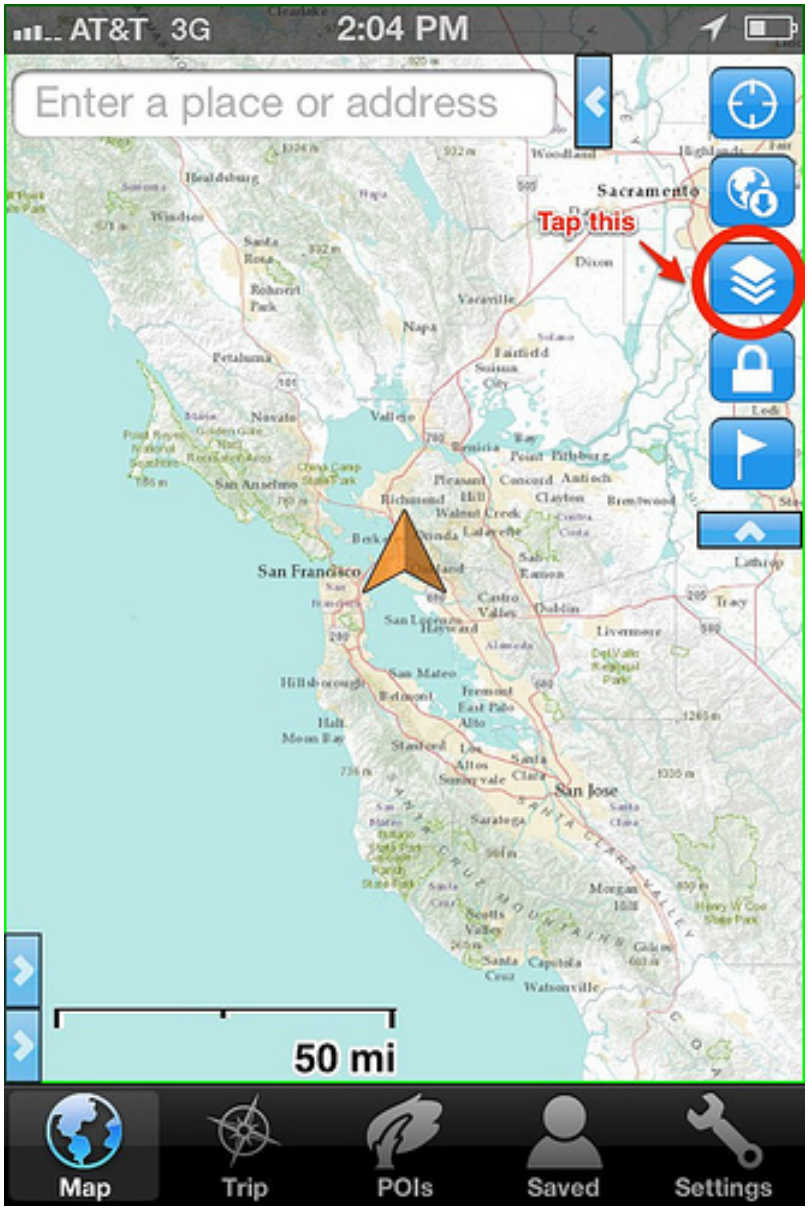
4. Then tap the map source you would like to add. We recommend the ESRI World Topo source for our Alaskan users.

5. Then a dialogue box will pop-up letting you know that you have successfully added a new map source.

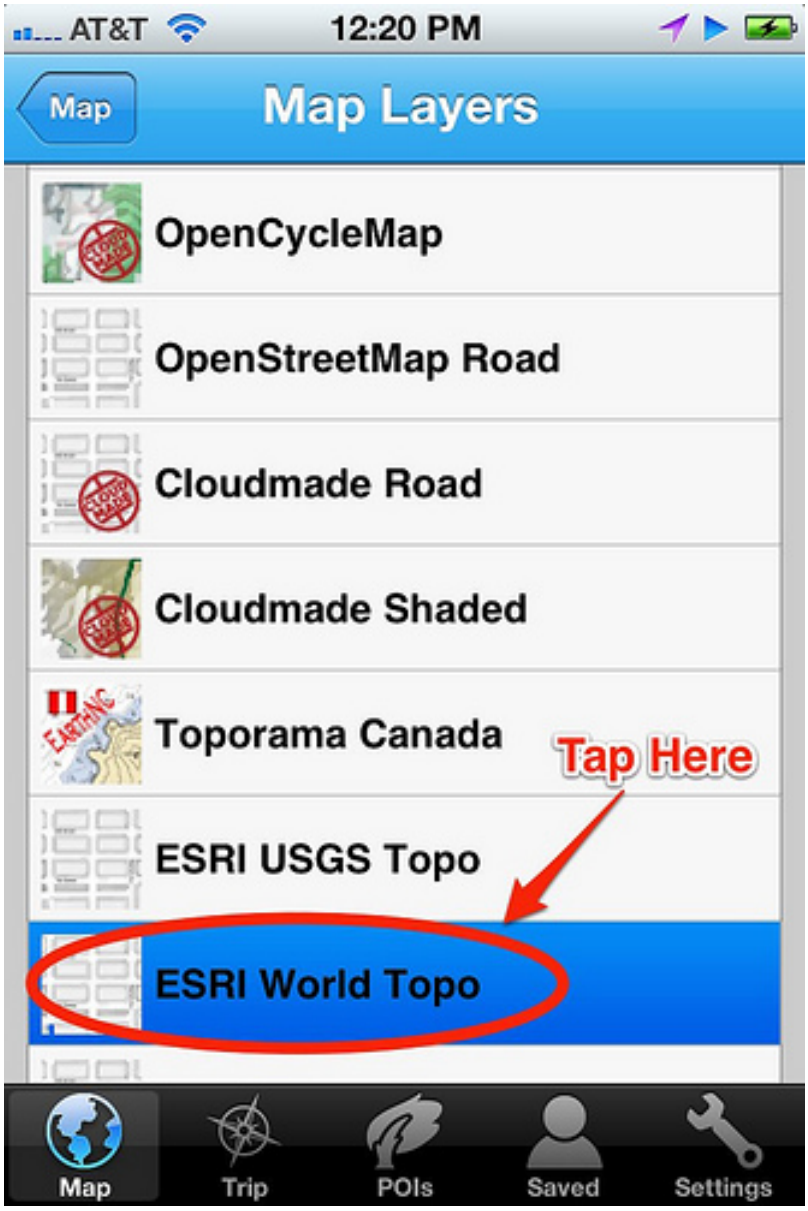


Now, your new source will appear in your map layers, on the map screen. To see your new ESRI World Topo Source displayed on your map screen follow these steps:

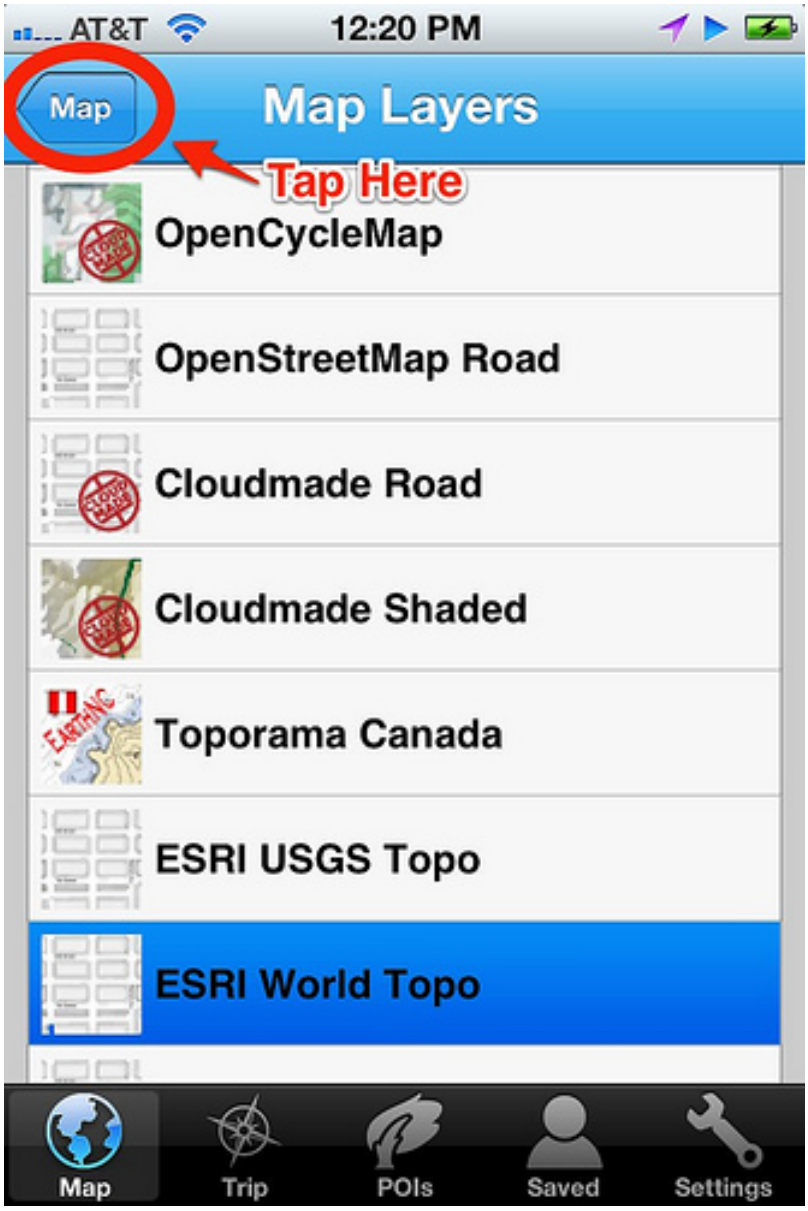
- Tap on the third blue tile on the left-side of the map screen.



- Tap on the ESRI World Topo source.



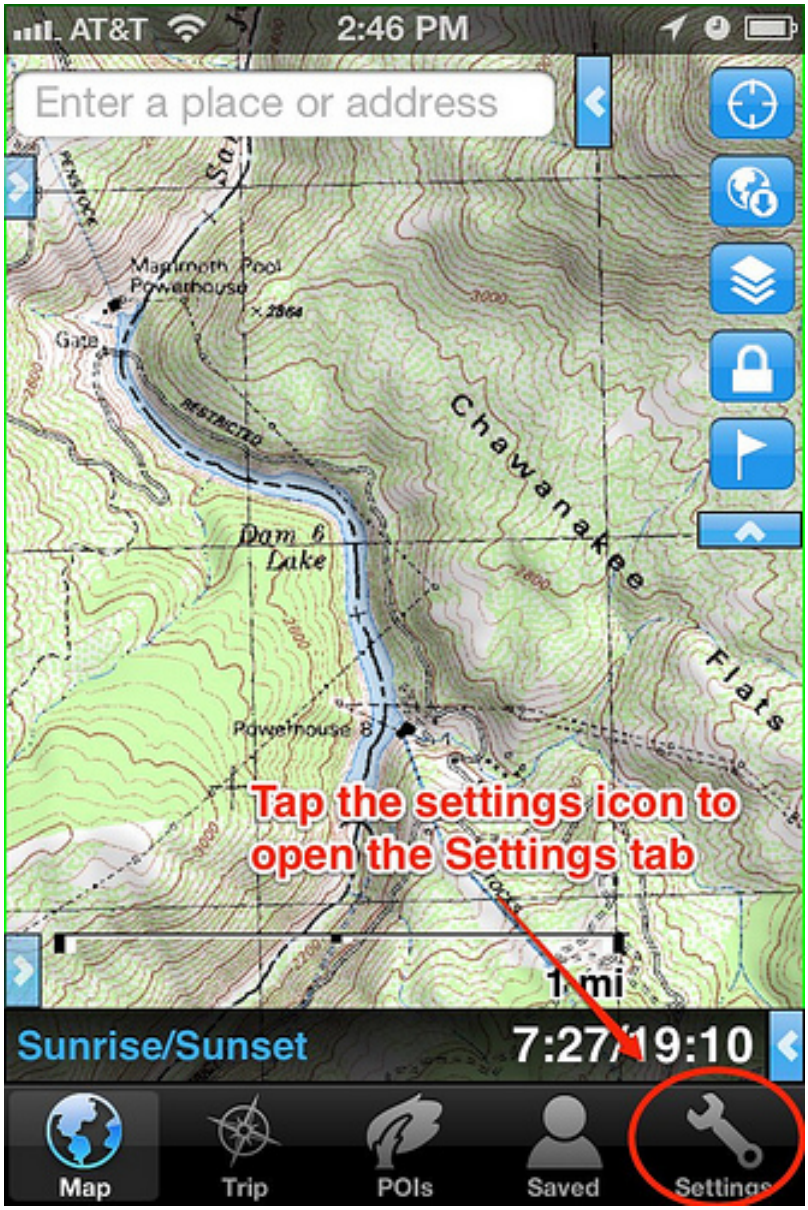
- Then tap the back arrow and you will see your new ESRI World Topo map displayed on your screen.



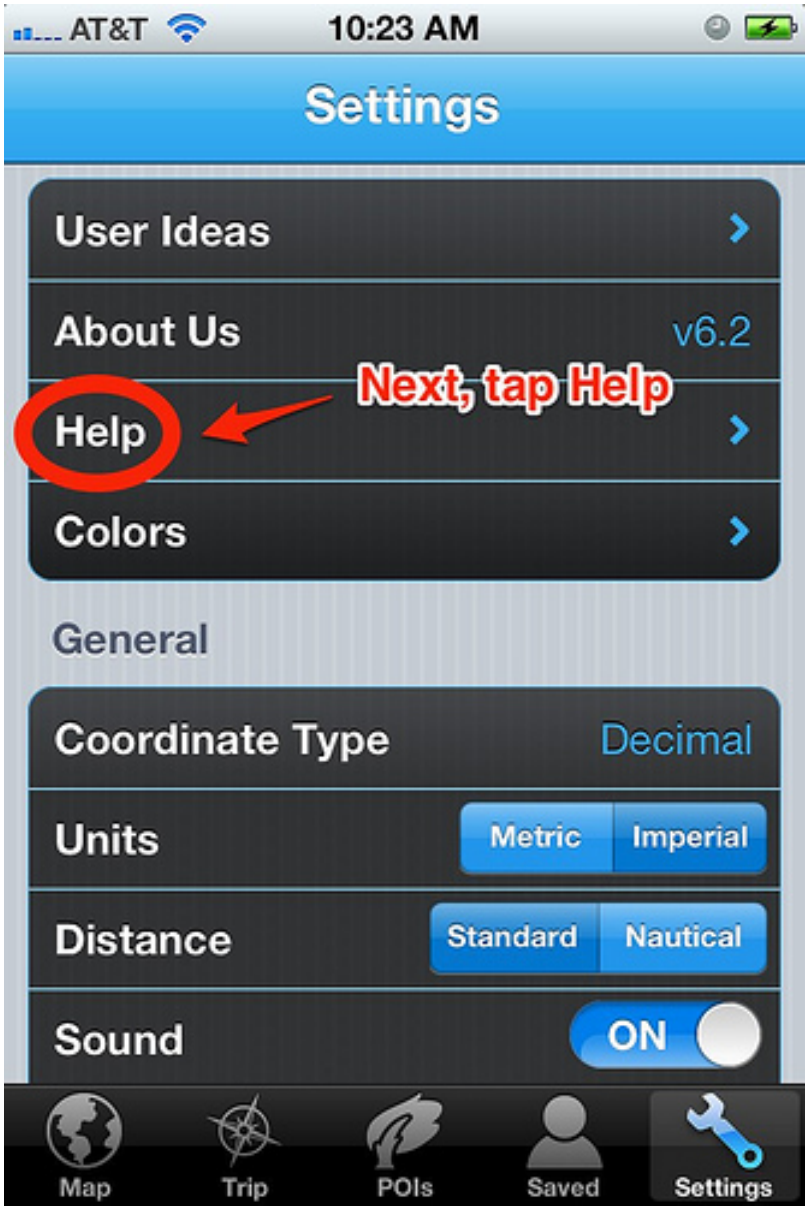
Where can I find topo maps of Canada?

For Canadian topo maps, we suggest adding an extra source to Gaia GPS. To add an extra source, follow these simple steps:

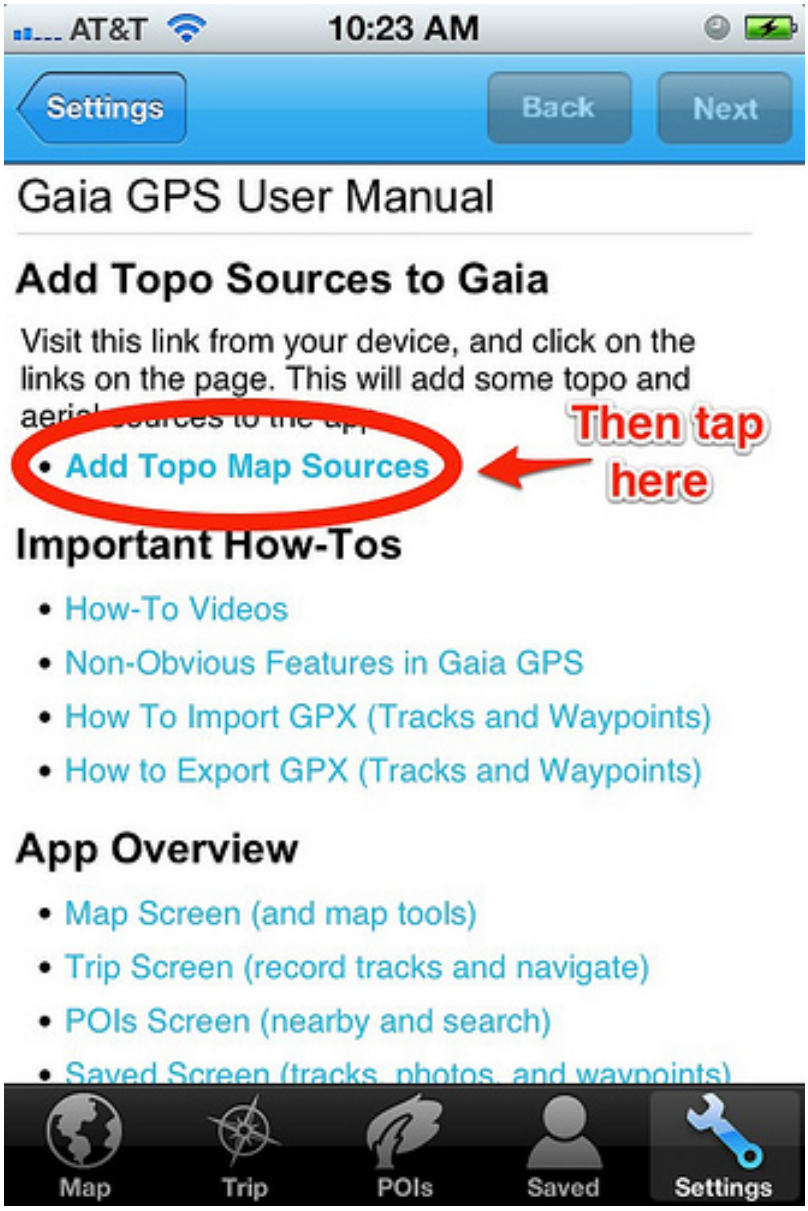
1. In Gaia GPS, tap on the Settings tab



2. Once you are in the Settings screen tap Help

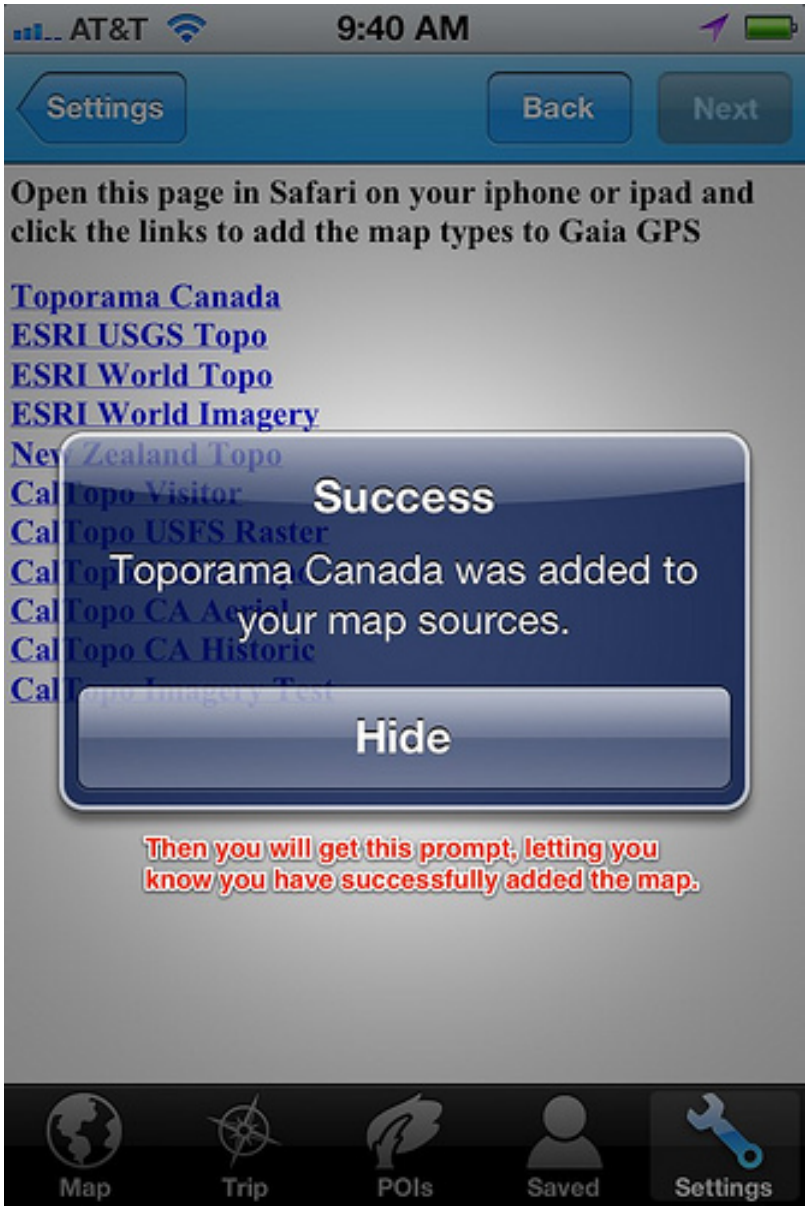


3. From there, tap Add Topo Map Sources



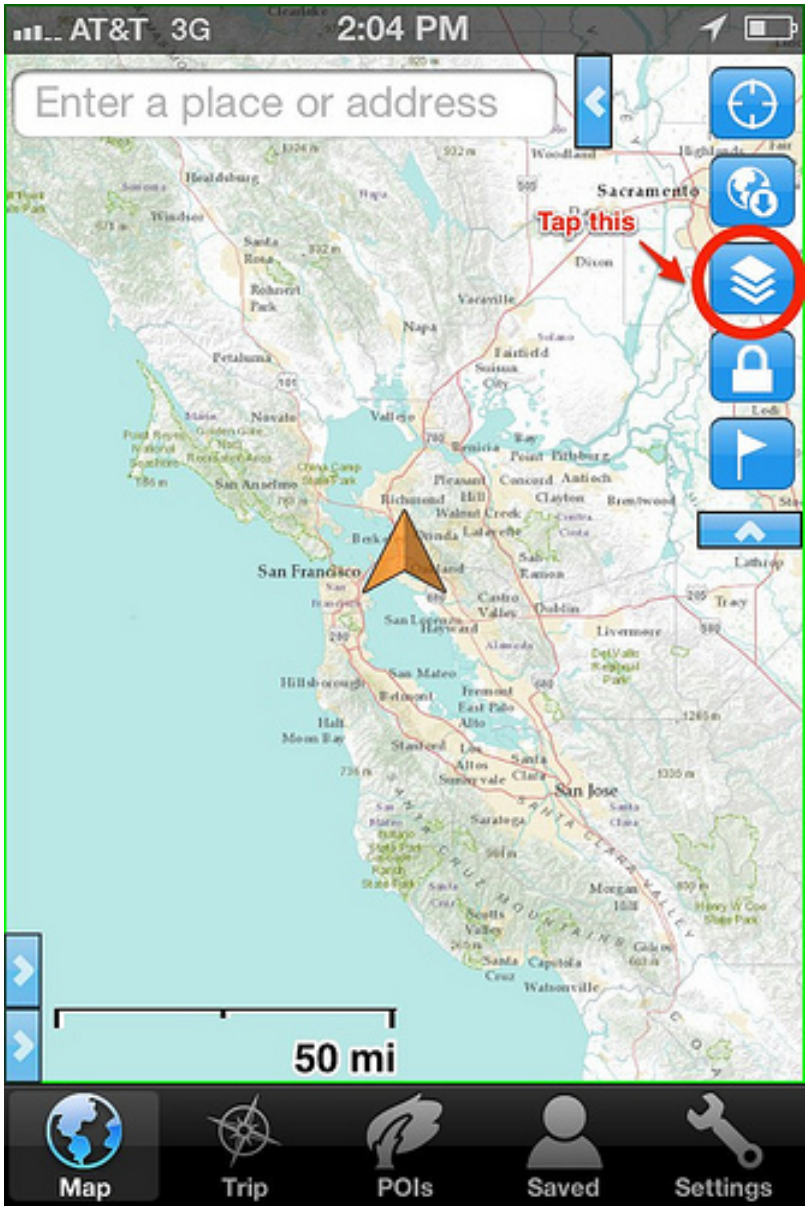
4. Then tap the map source you would like to add. We recommend Toporama Canda for our Canadian users.

5. Then a dialogue box will pop-up letting you know that you have successfully added a new map source.



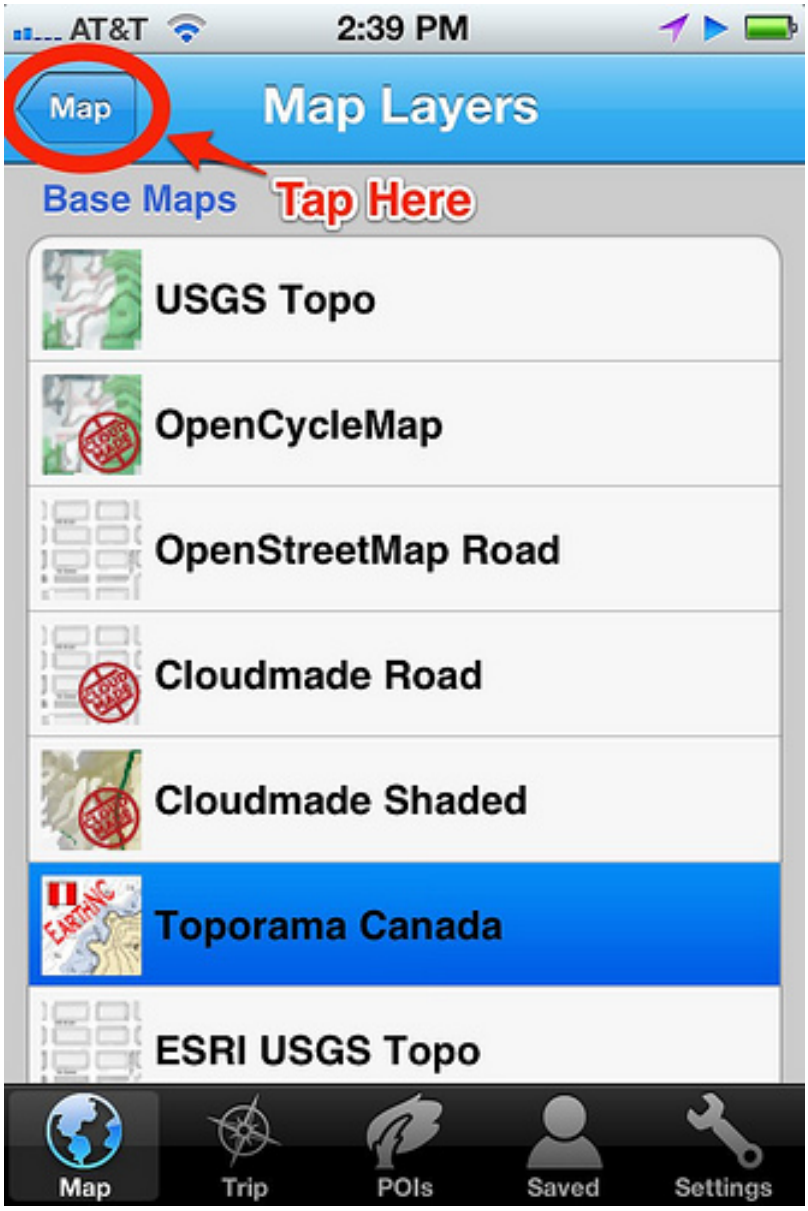
Now, your new source will appear in your map layers, on the map screen. To see your new Toporama Canada map source displayed on your map screen follow these steps:

- Tap on the third blue tile on the left-side of the map screen.



- Tap on the Toporama Canada map source.

- Then tap the back arrow and you will see your new Toporama Canada map source displayed on your screen.



How can I print my tracks?

If you would like to see your track online on your PC and then print it out, we would recommend joining Everytrail.com . When you choose to export one of your tracks in Gaia GPS, you can either email it or upload it to Everytrail.com . Everytrail.com is a website where users can share their hikes, bicycle routes, city walks and all other kinds of tracks with other users or just keep a saved database of their own tracks. When you export your track to Everytrail.com . it will be displayed beautifully on your choice of Google maps, satellite, terrain, or earth, as well as USGS topo and terrain maps. You can adjust your zoom on your track and then print it out in whatever size you would like. You can also share your track with friends or download tracks from other users that you would like to explore on Everytrail.com .

The app automatically comes with the following maps:

- USGS Topo Maps
- Cloudmade OpenCycleMap
- OpenstreetMap
- Cloudmade Road
- Cloudmade Shaded
- Toporama Canada

There are also user-added maps, which are particularly useful for international users. These user-added map sources can be added to Gaia GPS through links in our user manual, on the Add Topo Maps page .

Does Gaia GPS have nautical maps?

Gaia GPS does not have nautical charts. For NOAA nautical charts, please check out our partner EarthNCs app, Marine Charts . This app provides all US marine charts (coasts and major inland rivers), and it has features oriented towards boating, such as tides, marina/anchorage listing, and boat-centric navigation. If you have already been using Gaia, you will find it very simple to use since it has a very similar inteface.

Gaia GPS is a more full featured version of Offline Topo Maps . Offline Topo Maps allows you to download topographical maps from all over the world for use when you do not have a cell signal. You can also add waypoints, and the app will navigate you to those waypoints. Gaia GPS allows you to do all of that and more. With Gaia GPS you can record your tracks while you hike. Along with displaying your saved track on a map, Gaia GPS records your speed over time, altitude changes, and overall time spent moving along that track. You can also export these tracks and trip data to share with friends or import other tracks so that you can follow tracks people have already mapped.

We love receiving new ideas from our users. Please submit your idea to our UserVoice page so that other Gaia users can comment on it or vote for it. If we decide to develop the idea or eventually release a version with the idea included, we can let everyone who commented on or voted for the idea know, through the UserVoice page .
You can submit ideas through this link or by going into Settings and then tapping User Ideas.
We look forward to hearing from you!

If you have a bug to report or a question to ask that is not addressed by our manual, send us an email at support@gaiagps.com . Feel free to ask us any questions you may have, we really appreciate user feedback and love to help our users to get the most out of Gaia GPS. On business days, Monday to Friday between 9am and 5pm PST, you can expect a reply within a few hours. On the weekend or a holiday, you can expect a reply within a day or two. We look forward to helping you with your issue.

Resources

EveryTrail.com - Download GPX files.
TravelByGPS.com - Download GPX files.