

# AVENZA PDF MAPS



PDF Maps

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## PDF Maps

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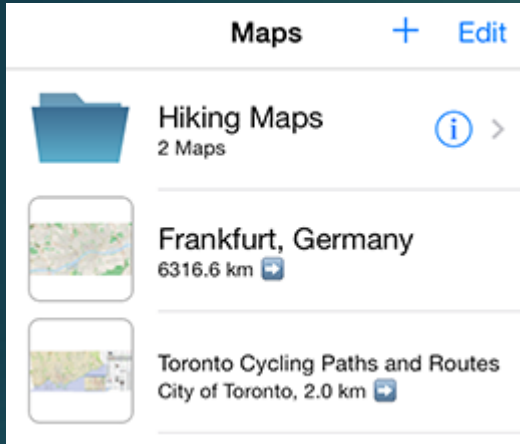
PDF Maps makes it easy to interact with mobile maps on your iOS and Android devices.

ANDROID APP ON Google play

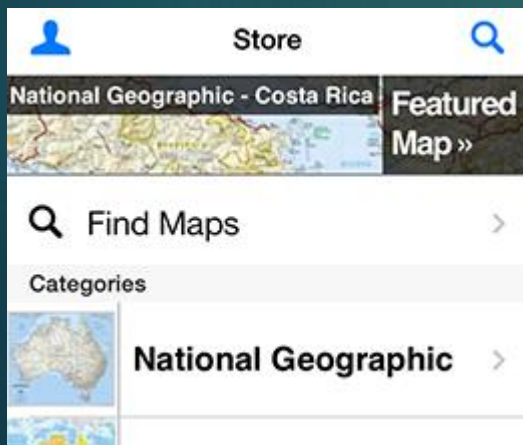
Available on the App Store

## Avenza PDF Maps Overview

Ability to read geospatial PDF, GeoTIFF, and GeoPDF® Maps



- Download maps over a Wi-Fi or cellular network to read on your Apple or Android device
- Can access these maps even when you're offline - saved to the device's memory
- Access thousands of maps in the Avenza Map Store



- Download maps created by professional map makers
- Access the Avenza Map Store directly through the app
- The store contains many categories of maps including transit, tourist and special interest maps from around the world, including USGS and Canadian Topographic maps
- Maps are available for free or are available for purchase

# Familiar gestures for navigation



You don't need to learn how to navigate these maps because you already know how

Standard Apple and Android mobile device gestures apply here:  
flick to pan  
pinch/expand to zoom  
double tap to zoom and center

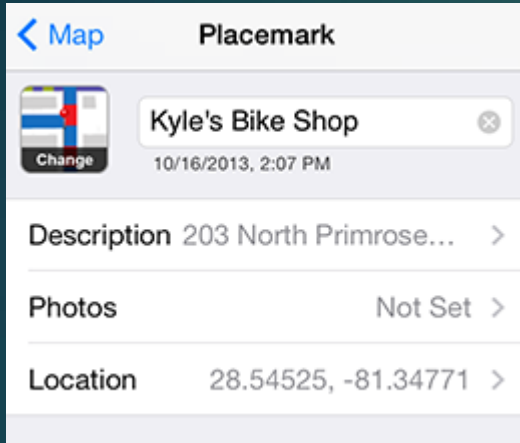
## Add placemarks



What's a map without interaction?

- Drop placemark pins anywhere on the map with the tap of a finger
- Need to move it? No problem. Just tap and hold a pin to pick it up, move it to the spot you want, then release it to drop it

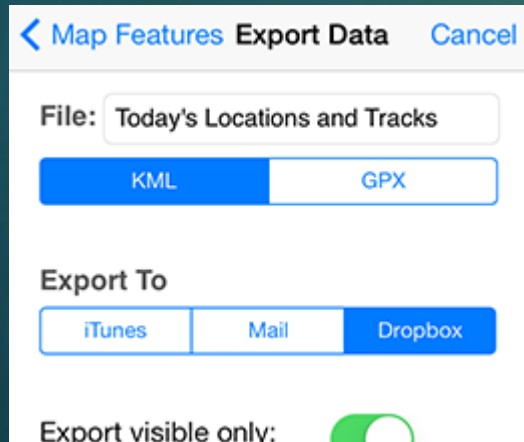
## Edit placemark attributes



Easily record attributes at any placemark

Add custom fields, insert field values, modify location, change pin color and add notes

## Import and Export data

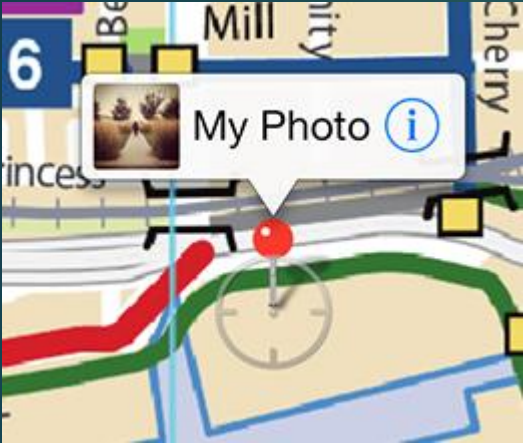


Took all that time to carefully plot placemarks?

- Save & export as KML, CSV or GPX format and export to iTunes, send as an e-mail or sync with Dropbox
- Import KML files to place placemarks on your map



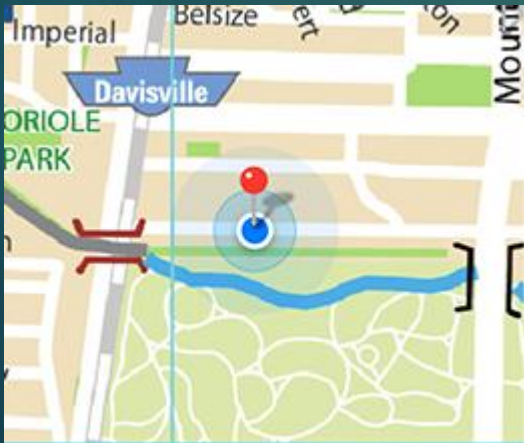
## Plot photos



Captured a photo want to plot it on your map?

Simply add the geotagged photo, a placemark will drop in the correct location on your map

## View your location using GPS



Use the built-in GPS in your Apple or Android device to locate yourself on any map (you have to be in the map's extents)

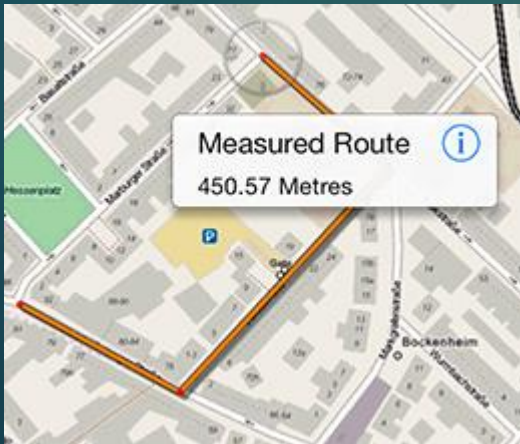
Navigating? Use the compass to orient yourself

## Quickly access Map Tools .... Icon

Tap the Map Tools button to quickly access useful tools including:

- Find Coordinates
- Find Places
- Plot Photos
- Record GPS Tracks
- Measure (area or distance)
- Open in (Google) Maps
- Compass

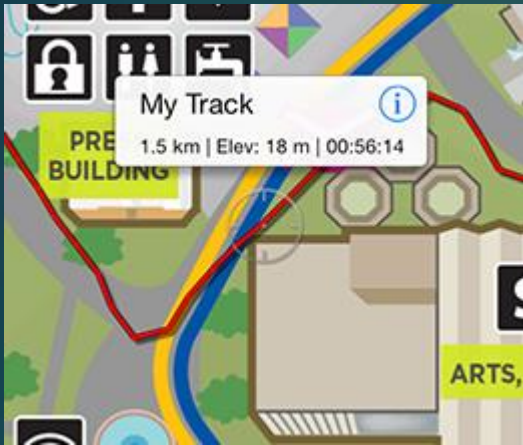
## Measure Distance



How far is it to that next Drop Point?

- Use the Measure Distance tool to measure how far you need to travel
- Use the option to quickly change the measurement units

## Record your GPS tracks

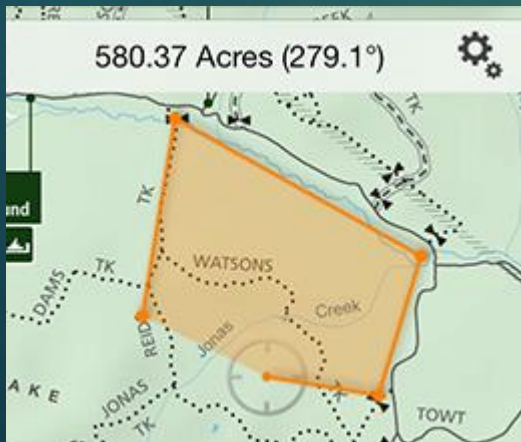


Want to see where the fireline or other linear features are?

- Record your GPS tracks
- View stats like elevation change and distance traveled on a graph including total time

Like Placemarks, you can add photos and attributes to tracks and export them to KML or GPX

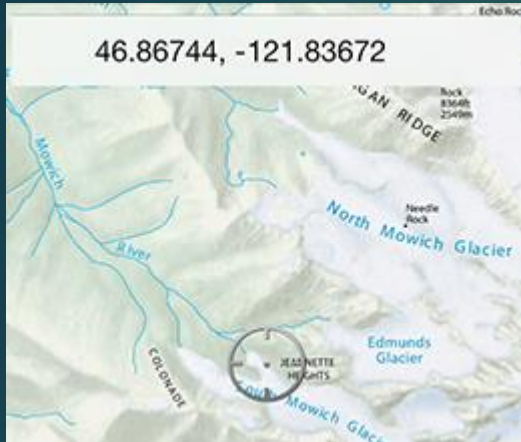
## Measure Area



Interested in getting an area of the wildfire?

- Zoom/Pan to the extent of the wildfire area
- Start measuring an area by tapping anywhere on the map
- Once you have 3 vertices/2 lines, tap the Line icon at the bottom to toggle it to Area
- If you need to undo a vertex/point tap the back arrow
- To finish, tap the checkmark icon at the bottom right to save

## Find Coordinates



Find coordinates on a map in several popular formats including:

- Latitude/Longitude (Map default or WGS84)
- Northing/Easting
- Military Grid Reference System/United States National Grid

This tool also has the ability to search for a specified coordinate

## Open in Maps



Use the Open in Maps tool to view the current map extents in the Maps app (a setting allows for maps to open in Google Maps)

Also, perform more detailed searching by opening placemark locations in the Maps app based on its coordinates



## Find Places



Conveniently search for points of interest on any map

Places are based on search engine results

Save places as placemarks that can be visible or hidden as required

Easily share these placemarks of places using Dropbox or email

## PDF compatibility



Geospatial PDF .pdf = A PDF embedded with geographic information.

GeoTIFF .tif, .tiff

A GeoTIFF is a TIFF file embedded with geographic information

JPG.zip

A JPG must be packaged with either TFW & PRJ or JGW & WKT in a ZIP file



## Device compatibility

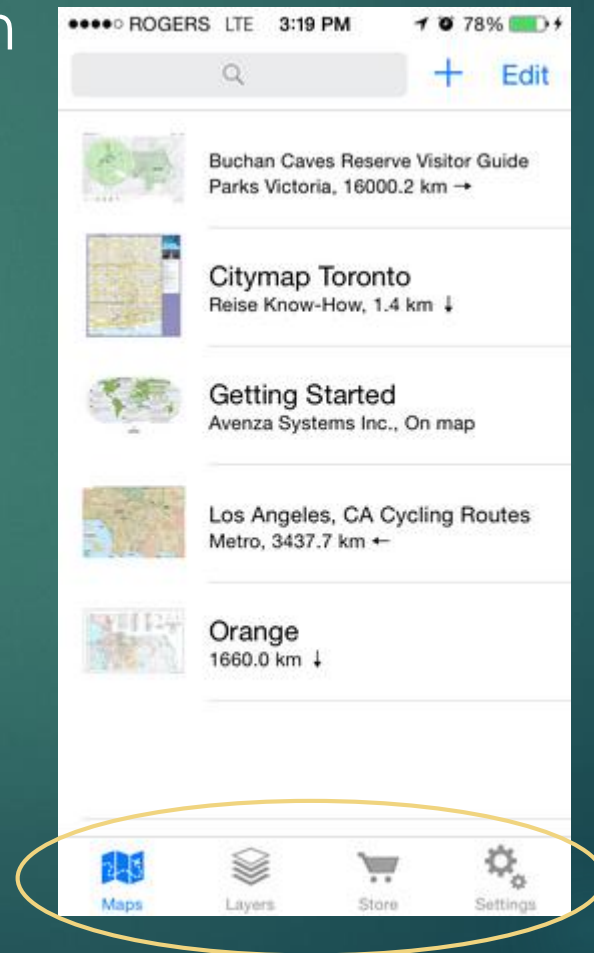
Apple: At minimum, use a Fourth Generation iPod Touch or better, iPhone 3GS or better, iPad 2 or iPad 2 Wi-Fi + 3G. Devices must be installed with at least iOS 6.0 or higher.

Android: For best results, use Android 4.1 or higher on a device with at least 1 GB of RAM. PDF Maps 1.4.3 requires Android 4.1 or higher. Note: PDF Maps may not be supported on some Android devices with an Intel processor.

# Getting Started, Main User Interface

- ▶ The PDF Maps app has four main tabs

- ▶ Maps
- ▶ Layers
- ▶ Store
- ▶ Settings



# Main User Interface - Maps

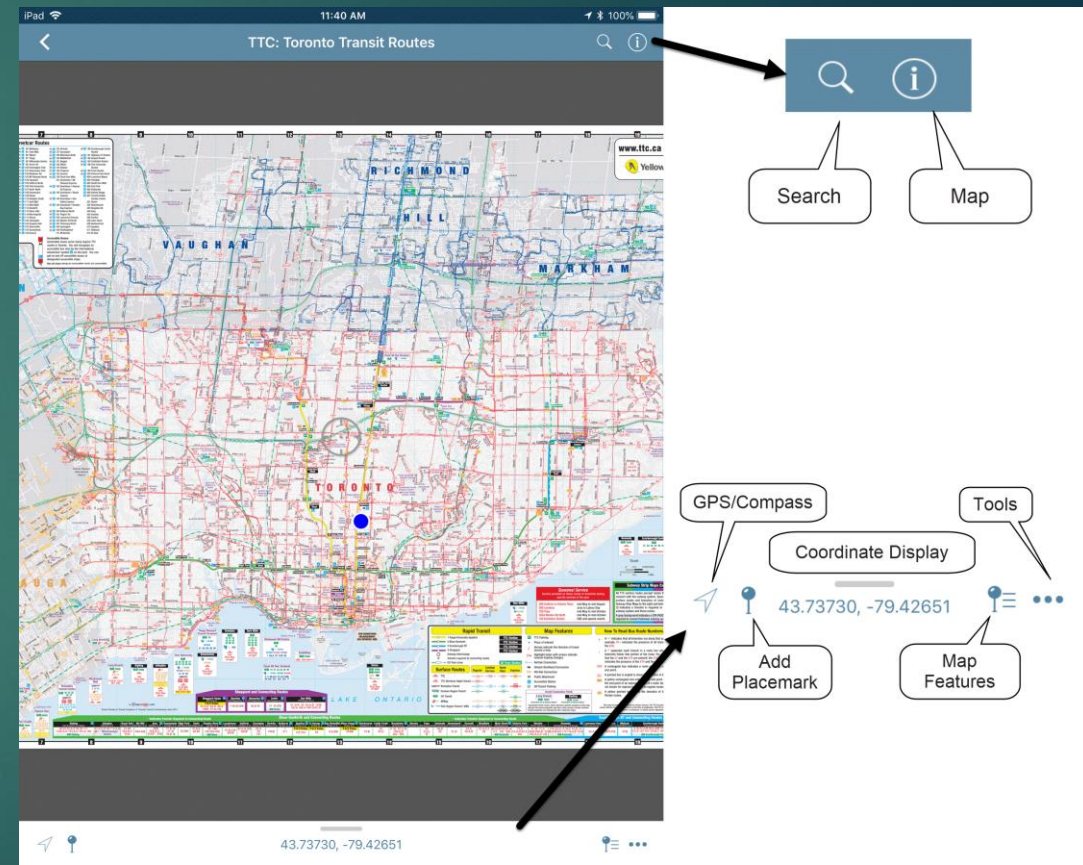
- ▶ Map View
- ▶ The map view consists of several components
  - ▶ 1. Back
  - ▶ 2. Search
  - ▶ 3. Map Information
  - ▶ 4. Toolbar





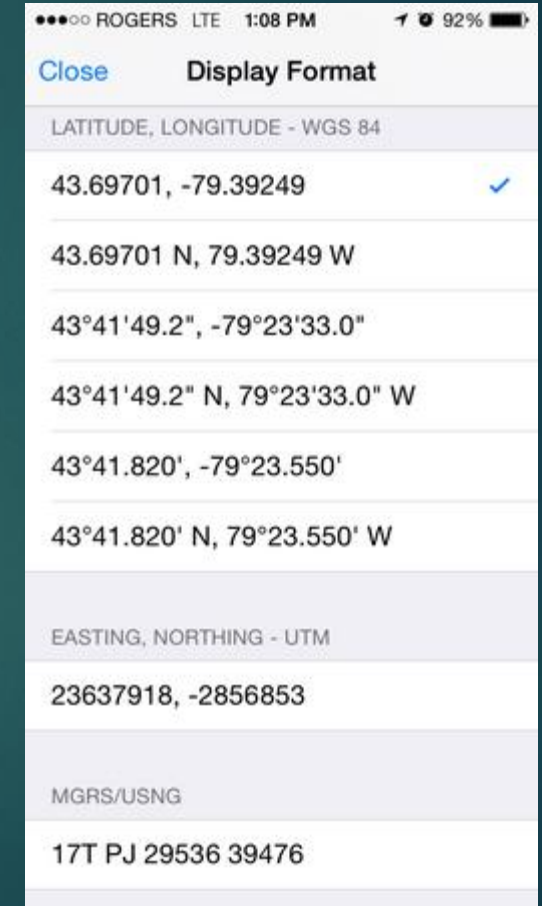
# Map View - Toolbar

- ▶ The toolbar consists of several tools
  - ▶ 1. GPS and Compass
  - ▶ 2. Add Placemark
  - ▶ 3. Map Features/Layers
  - ▶ 4. Map Tools



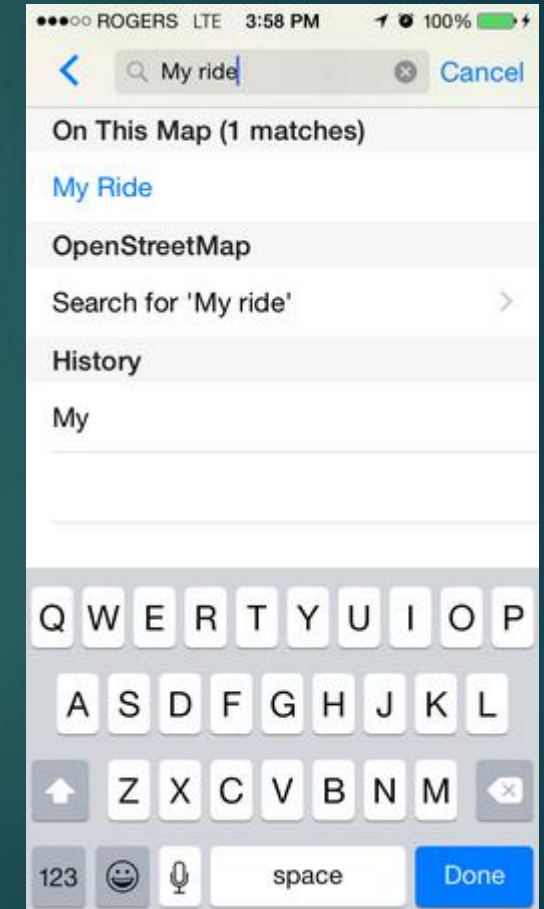
# Change Coordinate Format

- ▶ Map coordinates are displayed in the toolbar at the bottom of the screen.
- ▶ To change the coordinate display format,
  - ▶ Tap the displayed coordinates
  - ▶ Choose from a variety of display formats including map default, WGS 84, UTM, and MGRS/USNG.



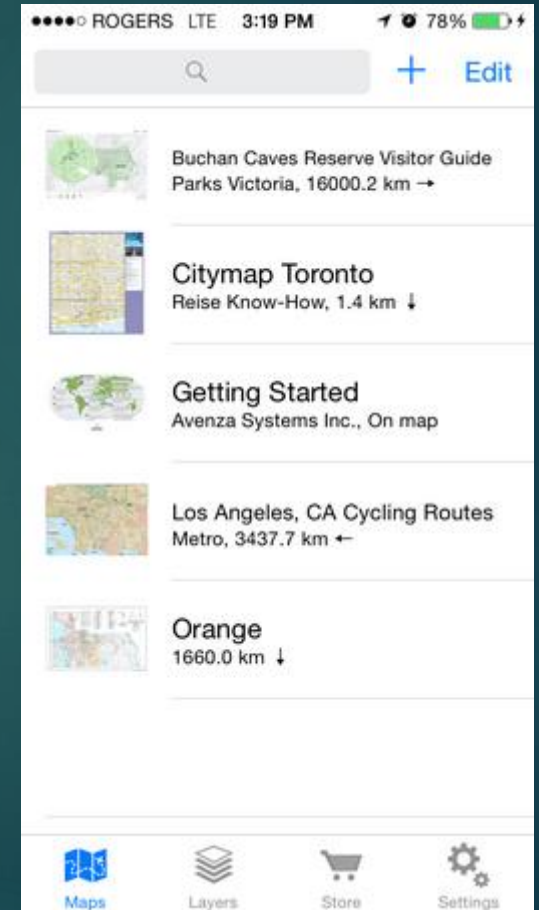
# Searching a Map

- ▶ On any map, you can search for existing placemarks, lines or tracks. Enter a term into the search box and a list of results will appear below it.
- ▶ If you have internet access...
- ▶ If no matches are returned or if you're searching for other points of interest, you can search OpenStreetMap.



# Maps

- ▶ The Map List is an easy way to access and view maps. The map list displays
- ▶ The map's title
- ▶ The map publisher
- ▶ The distance and direction from your location
- ▶ You can add and manage maps from this page





# Viewing a Map

The following is a list of supported gestures and what they perform:

- ▶ Single tap and drag: pan the map
- ▶ Single tap and flick: pan the map quickly
- ▶ Single tap and hold: pick up a placemark, drag to reposition
- ▶ Double tap: zoom-in and center
- ▶ Two-finger tap: zoom-out and center
- ▶ Two-finger rotate: rotates the map

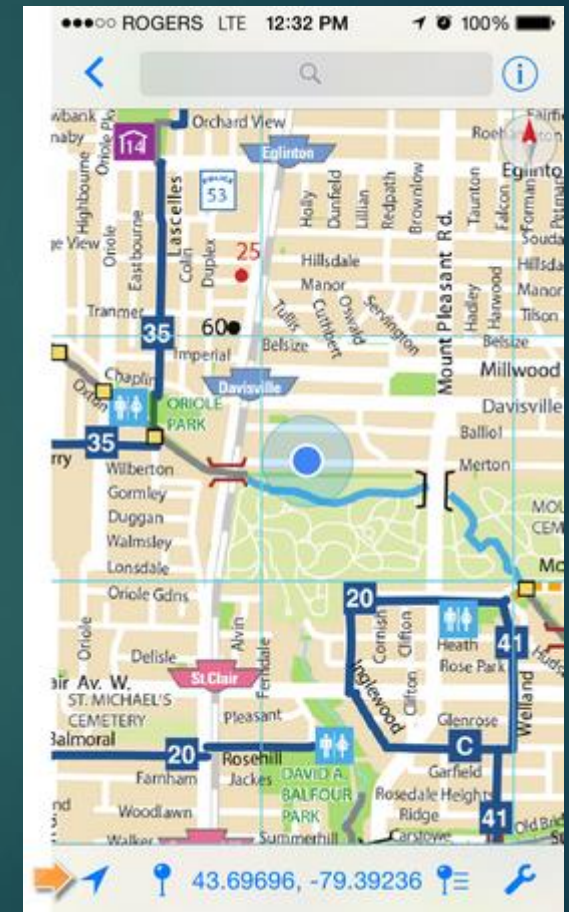


# Locating with GPS

- ▶ Tap the GPS button to find your location on the map
  - ▶ Your location is displayed as a blue dot
  - ▶ The blue transparent circle is An indication of the accuracy of the GPS fix

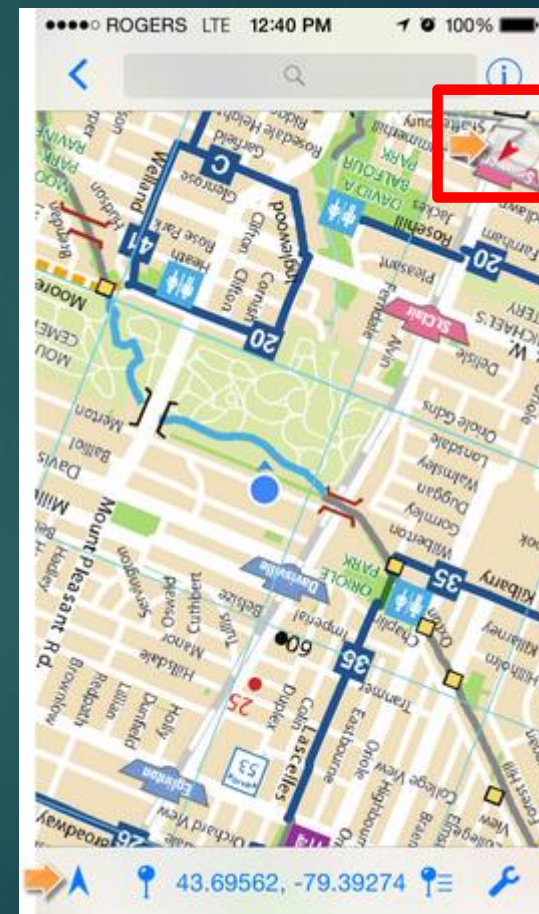
If you're not physically within the extents of the map, "Not on map" will be displayed where the map coordinates are

- ▶ On devices with built-in GPS, your location will be triangulated within a few seconds. Your location is determined using a combination of cellular, Wi-Fi, Bluetooth, and GPS depending on your device



# Locating with Compass

- ▶ Tap the GPS button to enable the Compass.
  - ▶ A compass appears in the top-right of the map view
  - ▶ The map rotates to align with the direction you are facing, which is indicated by the arrow on the blue location dot
- ▶ You can also rotate the map manually using a two-finger rotate gesture
- ▶ To set the map north-up or to exit GPS mode, tap the compass in the top-right of the map view
- ▶ To exit GPS mode but remain with an oriented map rotation, tap the GPS button





# Adding a Placemark

- ▶ A placemark marks a position on the map. At it's most basic, a placemark is indicated by a default icon and stores geographic location.
  - ▶ To add a placemark
    - ▶ Pan to a position on the map centered by the crosshair
    - ▶ Tap the Add Placemark icon. A placemark is added with a default icon color (red) and a default name.- ▶ Moving a placemark on a map
  - ▶ To move a placemark on the map, tap and hold a placemark, move it to another position and release.





# Placemark Details

- ▶ Tap the Information icon on a placemark label to see details about the placemark
- ▶ On the placemark detail screen, you can change the
  - ▶ placemark title
  - ▶ Icon
  - ▶ enter a description
  - ▶ add photos
  - ▶ edit the location coordinate
  - ▶ edit attribute schema (advanced powerpoint)



# Questions

- ▶ All of this information is available on line at:
  - ▶ <https://www.pdf-maps.com/support>