

ArcGIS Collector

Enhanced Vegetation Management Reduction User Guide



Table of Contents

Collector by ArcGIS Online

Overviews and Tutorials	3
How to Open ArcGIS	2
Home Screen Menu	4
Map Library	6
Map Layers and Basemaps	8
Location Search	9
Adding Data	10
Symbols	11
Parcels	12
Project Starter, Vegetation Point, Vegetation Project	13
Conductor Inspector	14
GISInaccurate	15
Dos and Don'ts	16
Reference Layers	17
GARB Environmental Layer	18
Upload/Sync Offline Maps	20
Links and Resources	24

Overviews and Tutorials

ArcGIS Collector

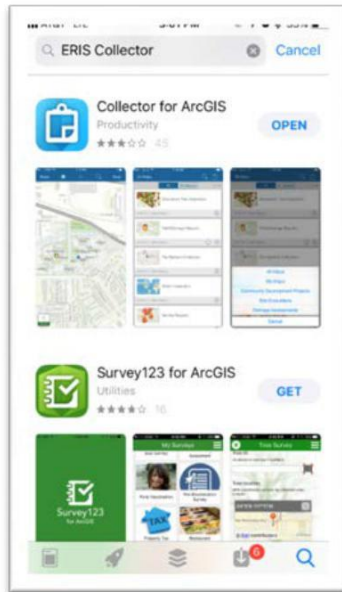
How to Open ArcGIS Online

Overview

Summary

Below are step-by-step instructions for downloading, signing-in, and launching the ArcGIS Online app.

1. If needed, download Collector App by searching ESRI Collector in the App Store.



System Requirements:

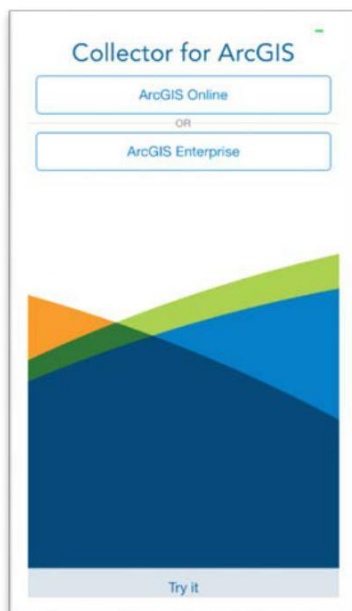
Android

- Android 4.2 (Jelly Bean) or later
- Processor: ARMv7 or later, or x86
- OpenGL ES 2.0 support
- Precise location (GPS and network-based) support

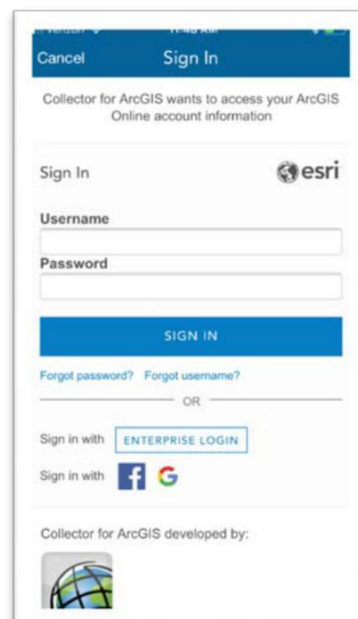
iOS

- iOS 8 or later
- iPhone, iPad, iPod touch

2. Start Collector App and sign in to ArcGIS Online.



Select ArcGIS
Online

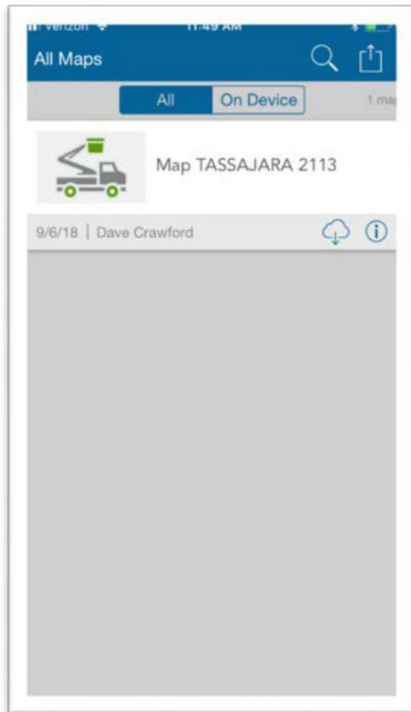


Sign-in

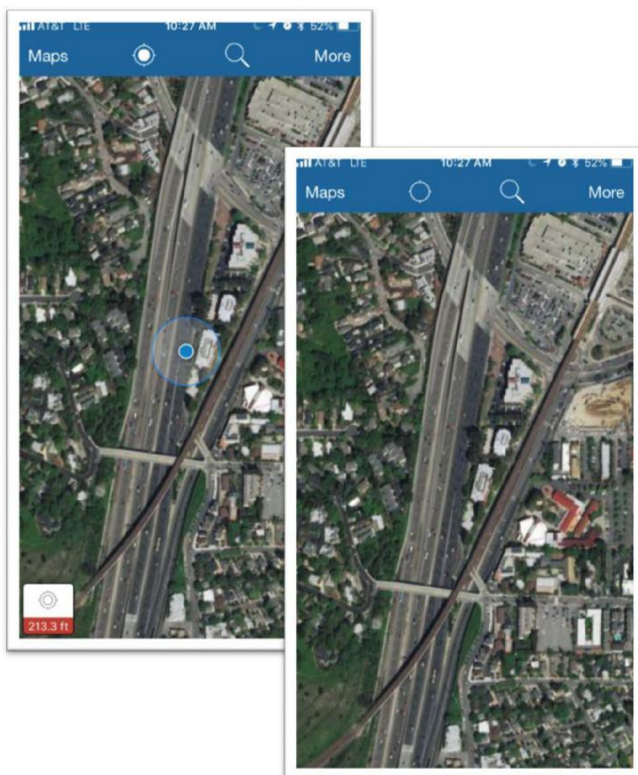
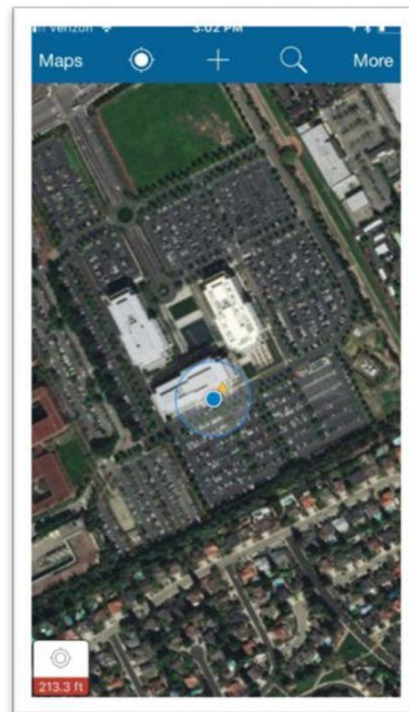
How to Open ArcGIS Online

Overview

3. Choose a map to work in.



4. The map will open and center on your location.



GPS On

When the 'Current Location' icon is highlighted white, the GPS finder is on.

GPS Off

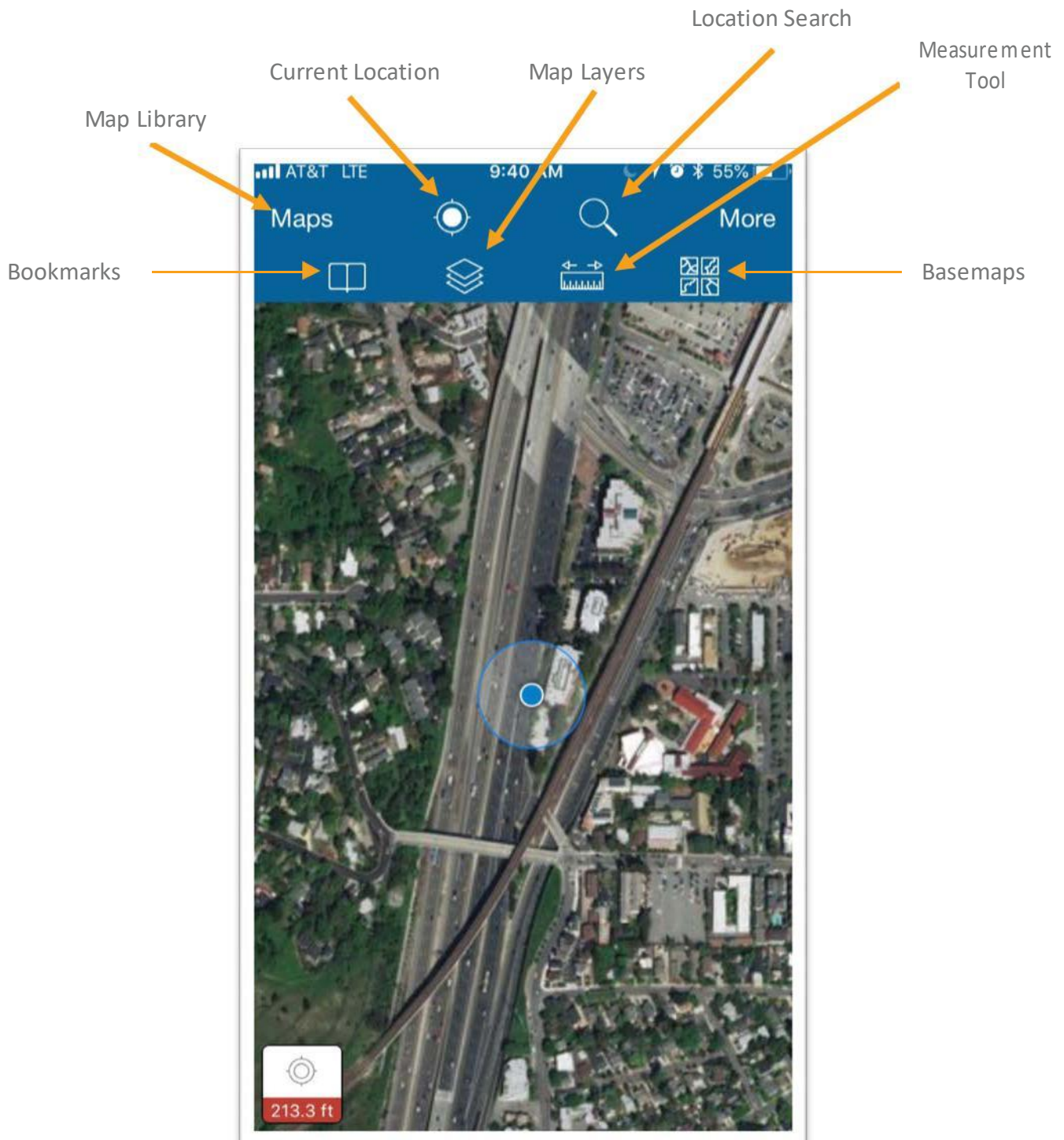
When the icon is not highlighted white, the GPS tracker is off.

Home Screen Menu

Overview










Summary

This is an overview of the ArcGIS Online for mobile interface.



Home Screen Menu

Overview

	Map Library	Navigates users back to the Map Library
	Current Location	Center map on your current location
	Bookmarks	Access your bookmarks
	Map Layers	Access Map Layers List
	Location Search	Search for addresses and locations
	Measuring Tool	Access Measurement Toolkit
	Basemaps	Access to Basemap Library
	Add a feature	Create new point, polygon, or line
	Accuracy Integration	Horizontal and Vertical Accuracy

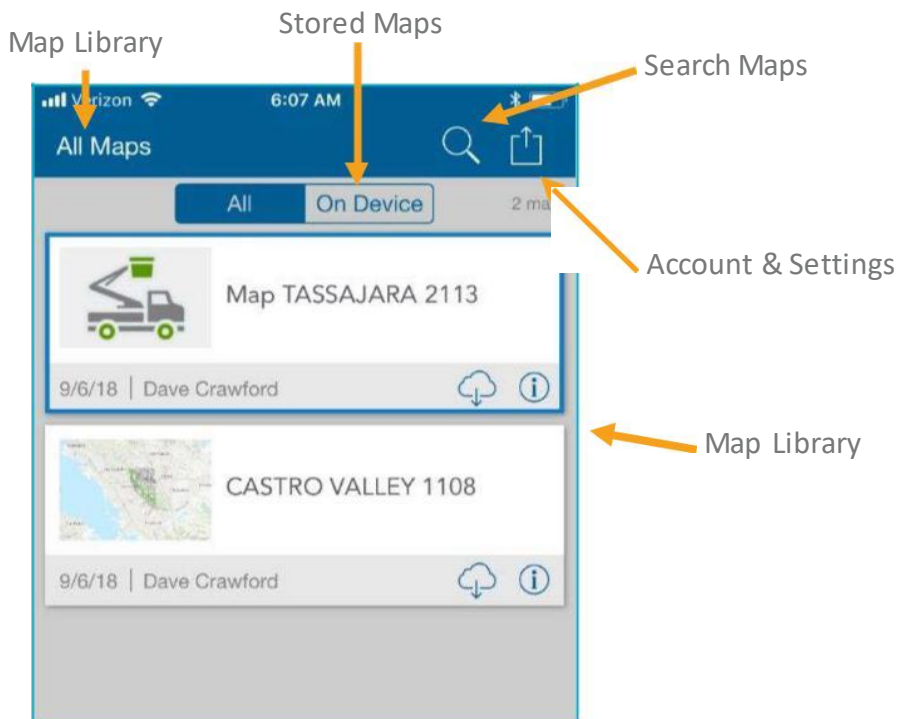
Map Library

Overview

Summary

This is where all your maps are stored. You'll have the option to store the map on your device.

Map Library Toolbar



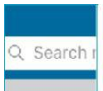
All Maps

Navigates users back to the Map Library



Stored Maps

Toggle between Cloud-Based and On Device



Search Maps

Search through Map Library



Download to Device

Store Maps on Device for 'offline use'

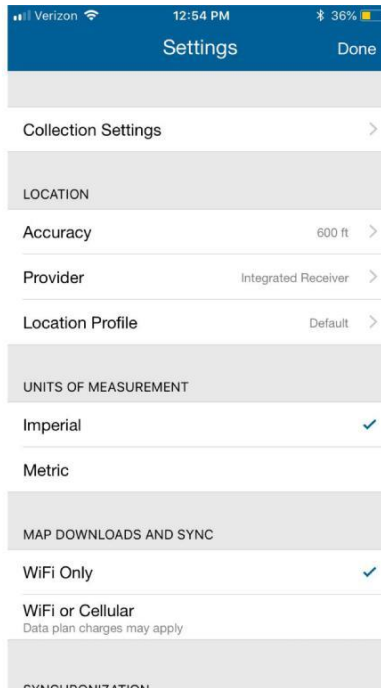
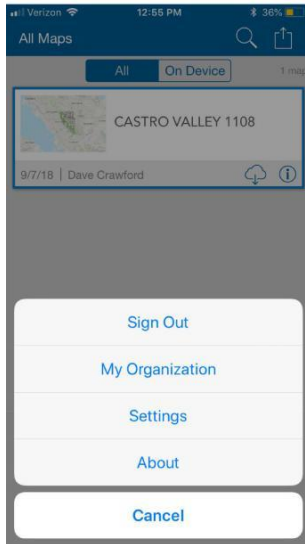


Map Details

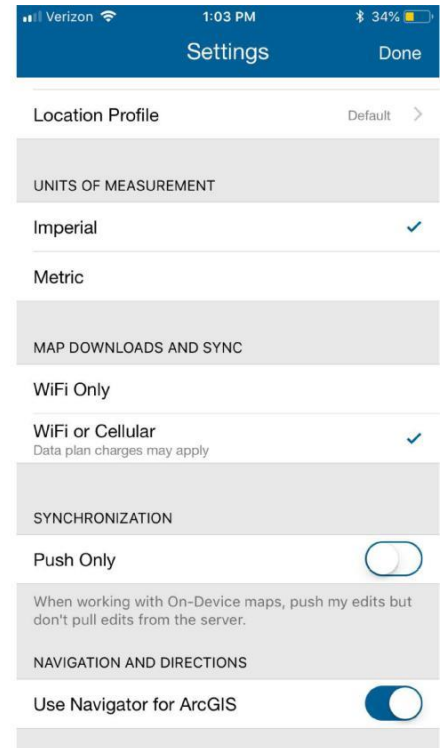
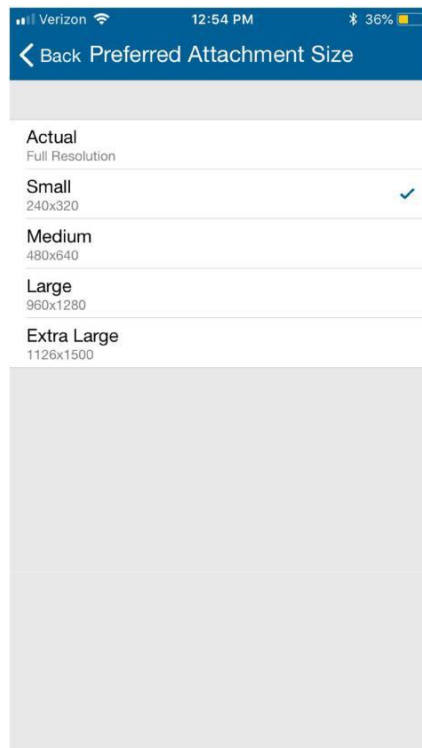
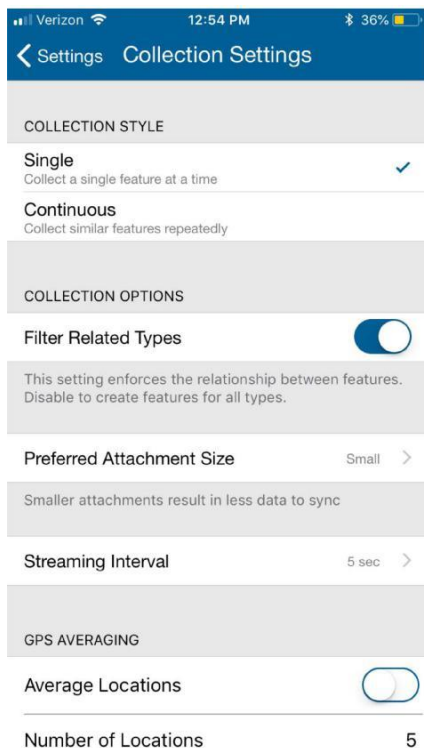
View map and survey details

Map Library

Overview



- ☐ Attachments should be saved as a small file type.
- ☐ Syncing of offline data should be available via wifi or cellular data.
- ☐ These can be configured in settings on the home screen.
- ☐ Open Settings and click on Collection Settings.



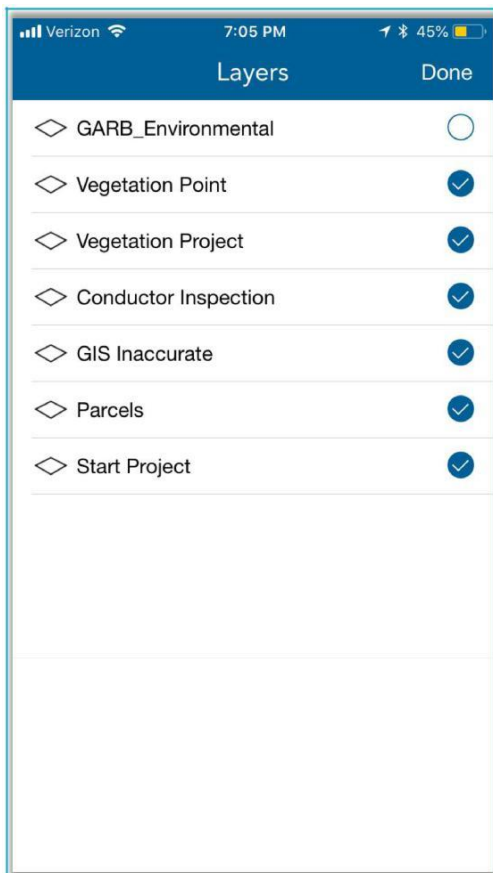
Open Preferred Attachment Size

Choose small attachment size.

Choose Wifi or Cellular for Syncing

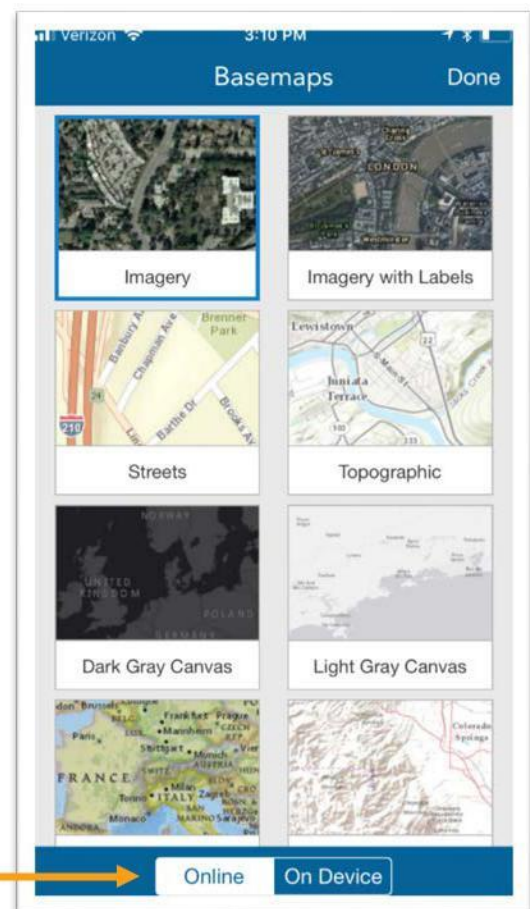
Map Layers and Basemaps

Overview



The available layers to view are 'GARB Environmental', 'Vegetation Point', 'Vegetation Project', 'Conductor Inspection', 'GIS Inaccurate', 'Parcels' and 'Start a Project'. If the blue circle to the left of the layer option is checked and blue, the layer is turned-on and will appear on the map.

If connected to WIFI or mobile data (not working 'On Device') you can access any ESRI basemap at any time. While connected to WIFI or mobile data, you can store basemaps to be used when working 'On Device'. This is where you can change the display type of the map that appears on your screen.



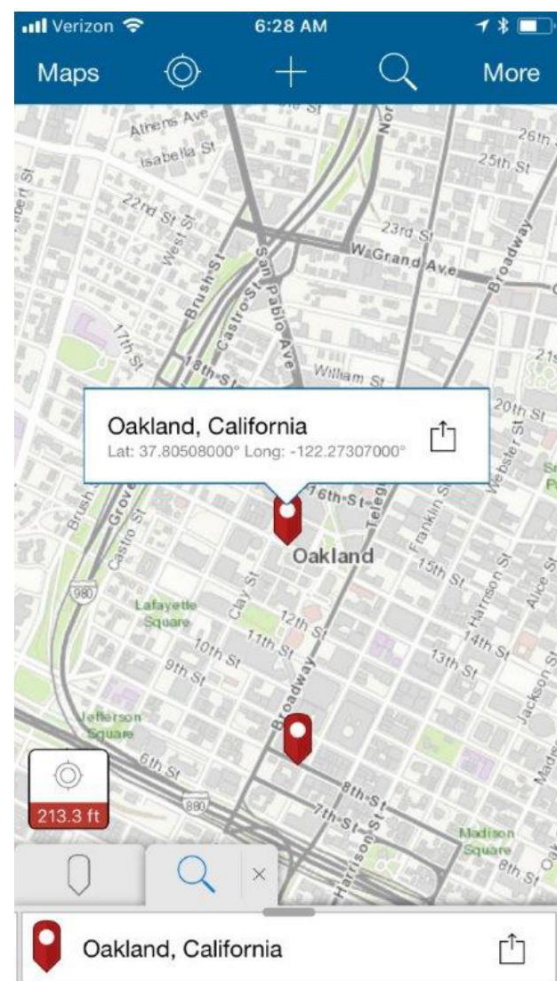
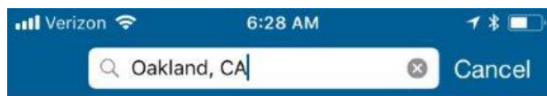
Online/On
Device Toggle

Location Search

Overview

Summary

This is where you can search for places or addresses. Once you enter the place or address you would like to locate, the map will adjust accordingly.



Adding Data

ArcGIS Collector

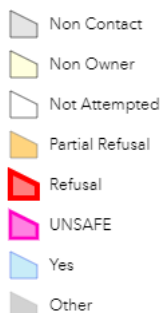
Symbols

Legend

Summary

Below are the meanings of the symbols and colors that are seen throughout the map as you input the information for each layer. These are based off of the Fuel Reductions Standards.

1. EVM Parcels



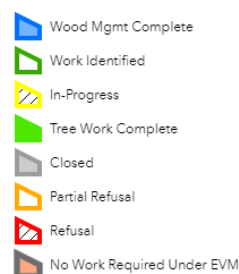
The first layer that will be updated will be the EVM Parcels.

2. Start Project

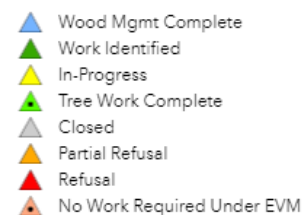


The second layer that is updated is the 'Start Project' layer. This layer is used to add a Vegetation Project or to Add a Vegetation Point.

Vegetation Project



Vegetation Point



3. Conductor Inspection



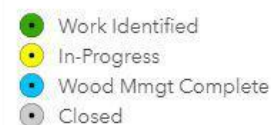
The last layer that will be updated after the inspection complete, is the Conductor Inspection Layer.

4. GIS Inaccurate



If necessary, a GIS Inaccurate line can be added if the line in GIS is not consistent with the line in the field.

5. Wood Management



If necessary, Wood Management points are used by the Wood Management Team.

6. GARB



GARB is an environmental reference layer. See more details on page 17.

Parcels

Map Layers

Summary

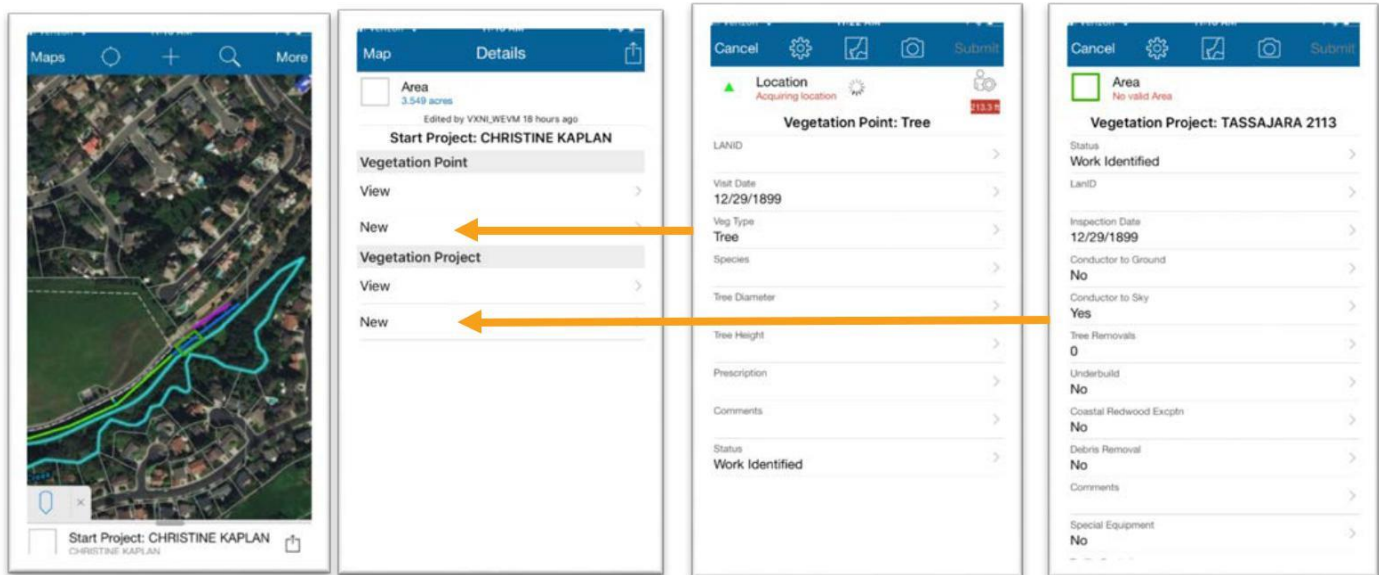
The 'Parcels' layer is where you can enter the details for each property in the project assigned to you. Once you click on the 'Parcels' option listed under the 'Map Layers' icon, you will see a list that needs to be completed with information about the parcel. Make sure that an answer is selected for each of the items listed.

A screenshot of a mobile application form. The top status bar shows 'Verizon LTE', '4:52 PM', and battery level. The app's top navigation bar has 'Cancel', a settings gear icon, a map icon, a camera icon, and 'Update'. The form content includes: a square icon followed by 'Area' and '39.63 acres'; a line of text 'Edited by WEVMAPS on Saturday at 9:13 AM'; a bold header 'Parcels: PATRICIA A KENNEDY'; and a list of fields, each with a right-pointing chevron: 'Acknowledgement' (with 'Not Attempted' below it), 'Contact', 'Contact Name', 'Phone', 'Email', 'Customer Rep LAN ID', 'Land Rights Status', 'Attempt1Result', 'Attempt1Date', 'Attempt 2 Result', and 'Attempt 2 Date'.

Map Layers

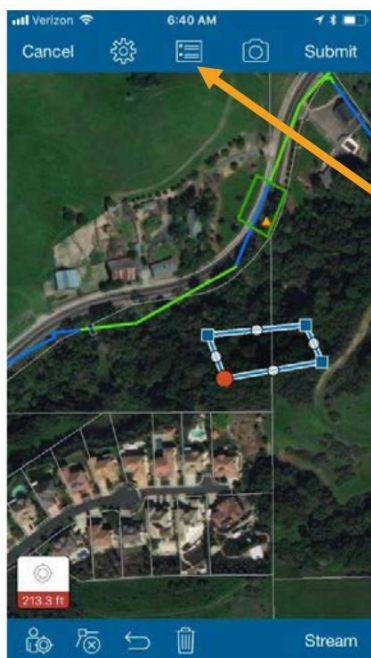
Start a Project

Use the 'Start a Project' layer to create a new Vegetation Project or to add a new Vegetation Point. Once you open the 'Project Starter', to add a new project or point, click on 'New'. This will open up the screen with all the fields that need to be filled out for each project or point. After filling out each field, toggle to the map to draw a new project or drop a new point.



Draw a project

Draw a point



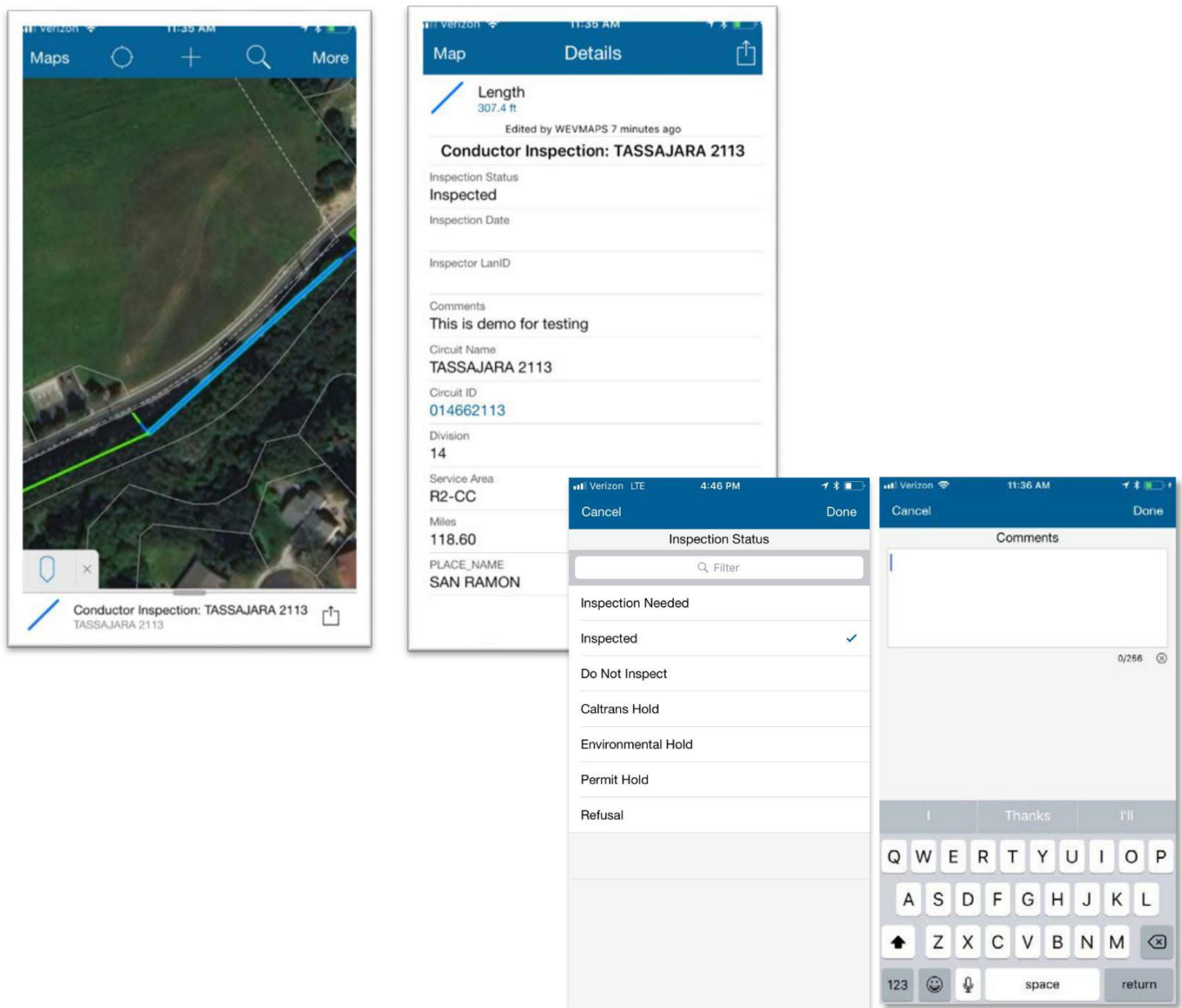
Click to toggle
back to the
data fields

Conductor Inspection

Map Layers

Summary

The 'Conductor Inspector' layer is where you can enter the details for each powerline in the project assigned to you. Once you click on the 'Conductor Inspector' option listed under the 'Map Layers' icon, you will see a list that needs to be completed with information about the power line. Make sure that an answer is selected for each of the items listed.



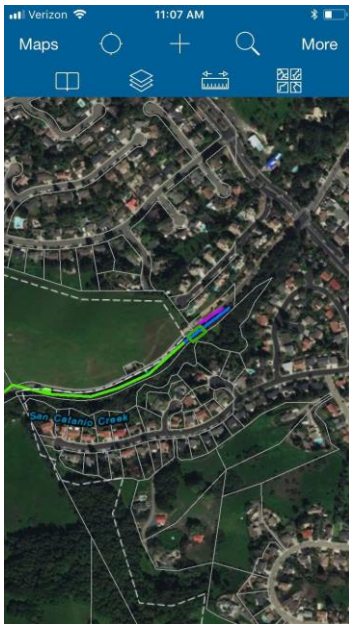
You will be prompted to either pick from a list or enter text in an open field box.

GIS Inaccurate

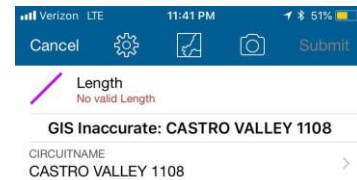
Map Layers

Summary

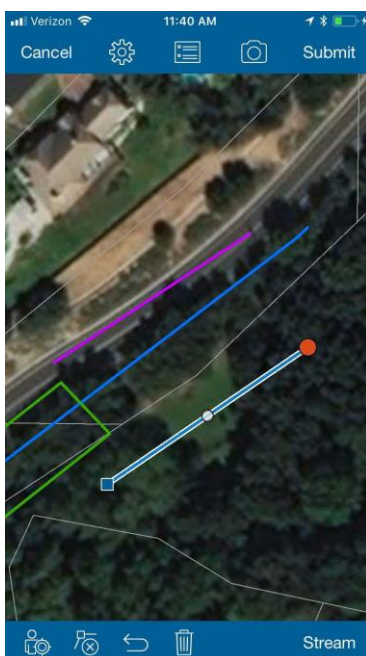
GIS Inaccurate is used when the electric line in the field is different than it is in GIS. if the line is inaccurate in GIS, draw a line showing where the line is in the field.



Click on the + symbol to add a line



Click on the map symbol to draw the line



Draw the line and hit submit



There is now a new line segment

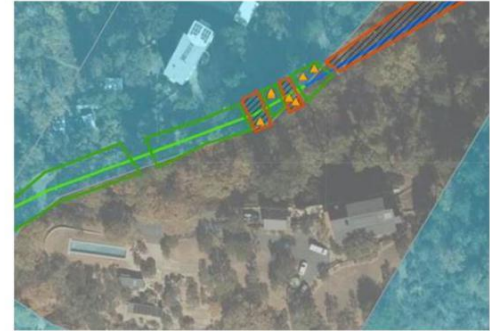
Dos and Don'ts

Data Collection Best Practices

Follow these guidelines when creating projects and updating attributes.

Do

- Draw projects to encompass area of vegetation in the field
- Draw projects to incorporate the line
- Draw multiple projects for locations where line is along property line
- Associate all projects with the correct parcel
- Fill out all attribute fields
- Only draw projects where the work is



Don't

- Draw overlapping projects
- Draw projects without line present.
If necessary, add a GIS inaccurate layer.
- Draw projects across multiple parcels
- Draw projects with the GIS Inaccurate line.

Reference Layers

ArcGIS Collector

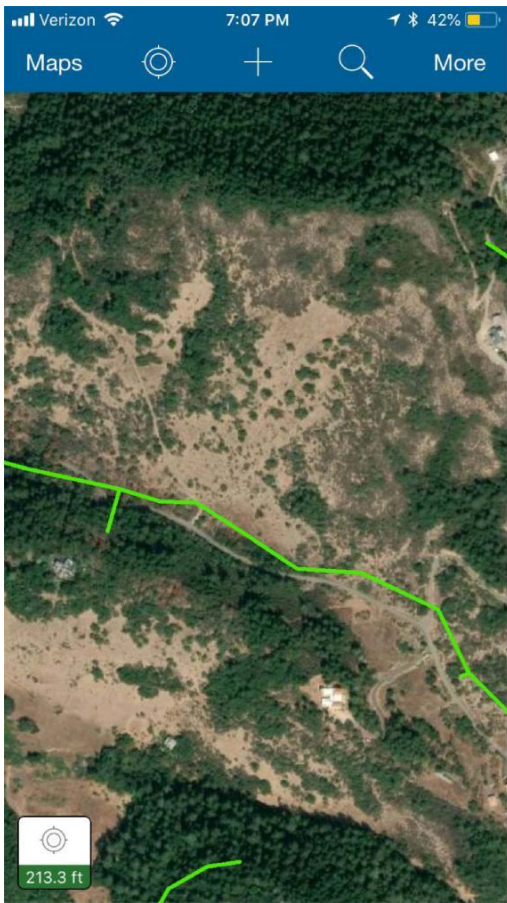
GARB Environmental Layer

Map Reference Layers

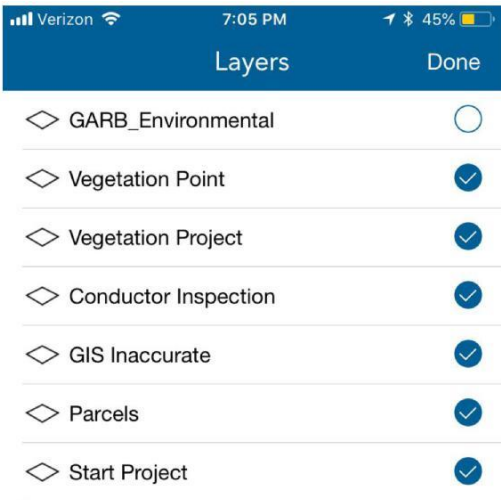
Summary

GARB is a reference layer visually displaying environmental information on the line as well as where there may be additional constraints.

GARB	
<div></div> Green	<input type="checkbox"/> Green: Cleared with Standard BMPs – okay for ground to sky. Apply the Green Environmental Release to Construction (ERTC)
<div></div> Purple	<input type="checkbox"/> Red: Agency land: Do not work. Permit Required. Consult with Environmental Lead.
<div></div> Red	<input type="checkbox"/> Yellow: Caution: Conductor to sky only. Specific AMMs may apply. Amber ERTC can be obtained from the Environmental Lead.
<div></div> Yellow	<input type="checkbox"/> Purple: Places where reports have been written



The GARB layer is not turned on upon login.



Open Layers to turn on the GARB layer.

GARB Environmental Layer

Map Reference Layers



Once the GARB layer is turned on it will be visible over the Conductor Inspection Layer.



GARB is for reference only and will not be editable.

Upload and Sync Offline Maps

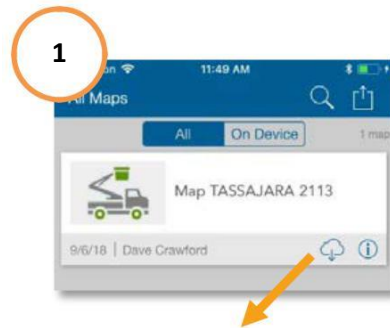
ArcGIS Collector

Upload/Sync Offline Maps

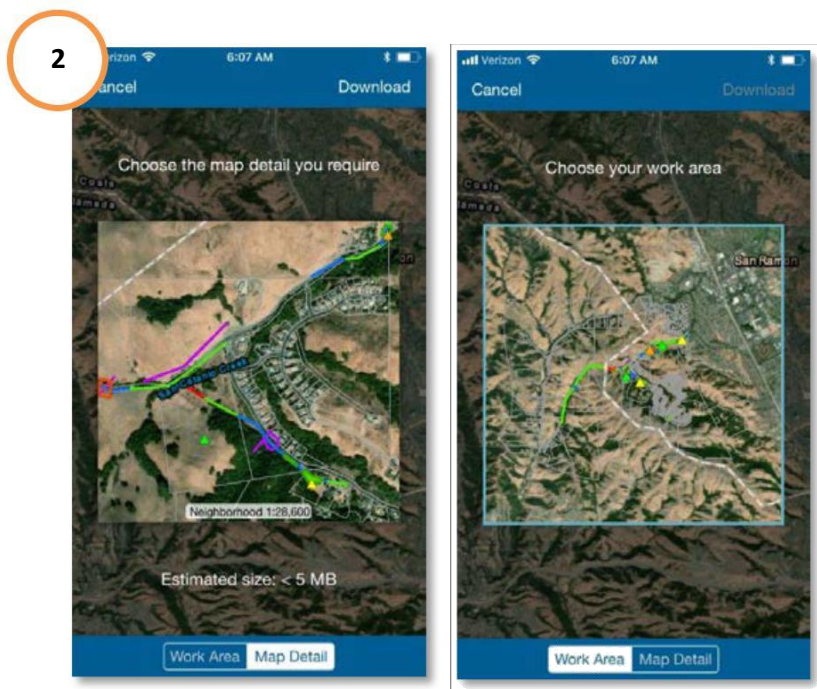
Summary

If you are working in a remote area with limited cellular service, you can download a map to work offline to work 'On Device'. If offline or working 'On Device', after you have re-established cellular service, you will need to go back to the 'Maps' menu under 'On Device' and click the up/down cloud icon with the red number (indicating the number of features that have not been uploaded to ArcGIS Online) and select the cloud to submit and sync these features to ArcGIS Online. This requires cellular data or WIFI connection.

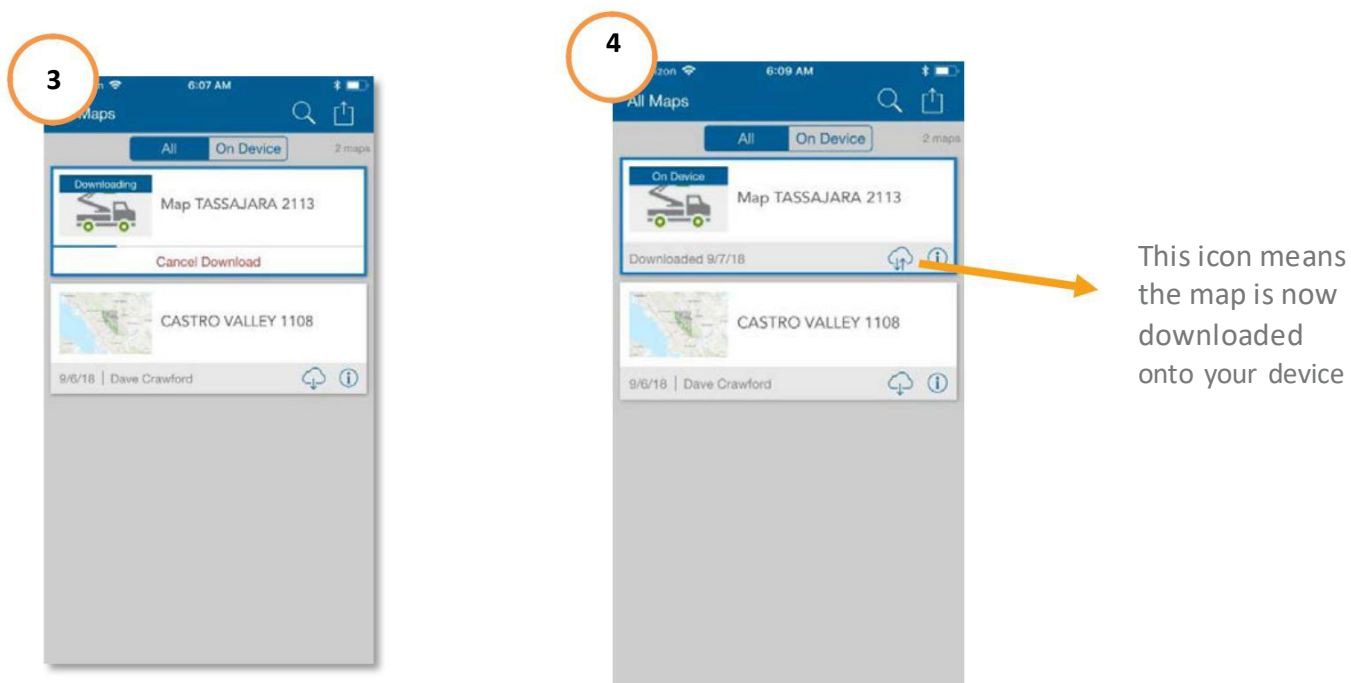
Downloading a map for offline use



Click on the  icon to download the map.



Upload/Sync Offline Maps



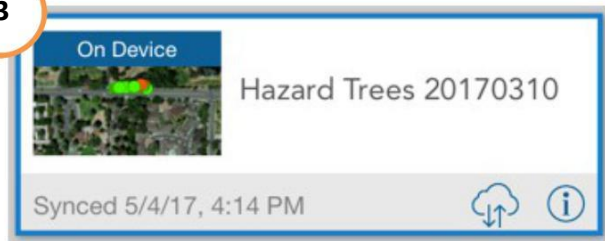
Syncing your offline activity

If you are working offline or 'On Device', be sure to sync your data once you have re-established either cellular service or have a WiFi connection. Once you have finished syncing all your offline maps, you can delete the saved maps from your device.



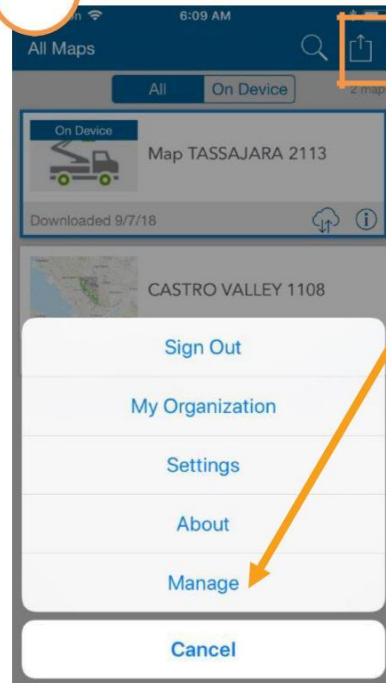
Upload/Sync Offline Maps

3



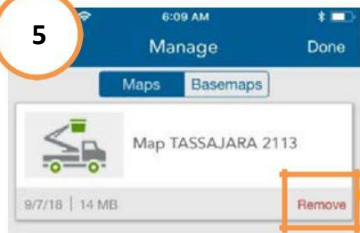
If you are working online, connected to ArcGIS Online with WiFi or cellular data, you do not need to sync because it is done every time you select submit.

4

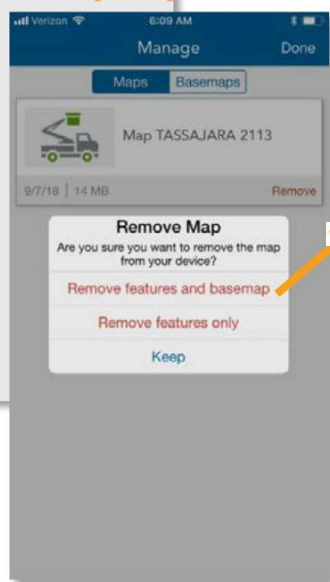


Click here and select "Manage" to delete the map off of your device once you have completed synced to ArcGIS

5



Select "Remove"



Select "Remove features and basemap" to delete the map from your device

Links and Resources

ArcGIS Collector

Links and Resources

All Documentation can be found at the following link:

<https://tinyurl.com/EVM-User-Guide-pdf>

The following can be found in this folder:

- ☐ User Guide
- ☐ Quick Start Guide
- ☐ Collector Videos
- ☐ First Time Login Instructions
- ☐ General Guides

Questions related to Collector (adding and editing features, layers, etc.) can be directed to the following email address:

AWRRMapsSupport@pge.com

Questions related to logging in or resetting passwords can be directed to **TSC Support** at the following number: 415-973-3411.