

ArcGIS Collector

Gas Transmission Markers Phase II User Guide for iOS



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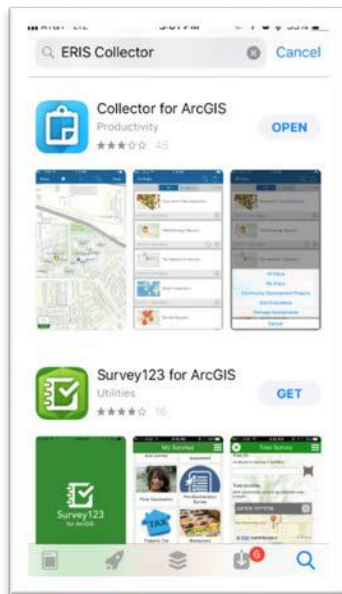
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Overviews and Tutorials

ArcGIS Collector

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:

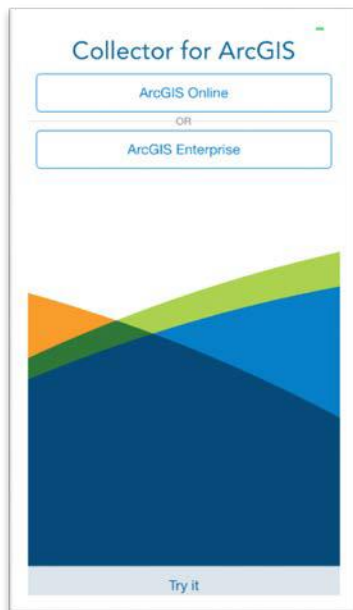
Android

- 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

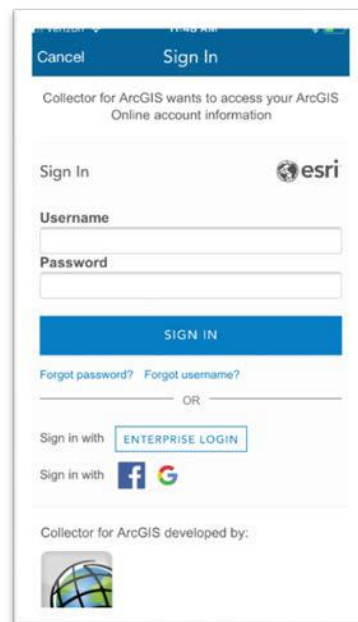
iOS

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

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

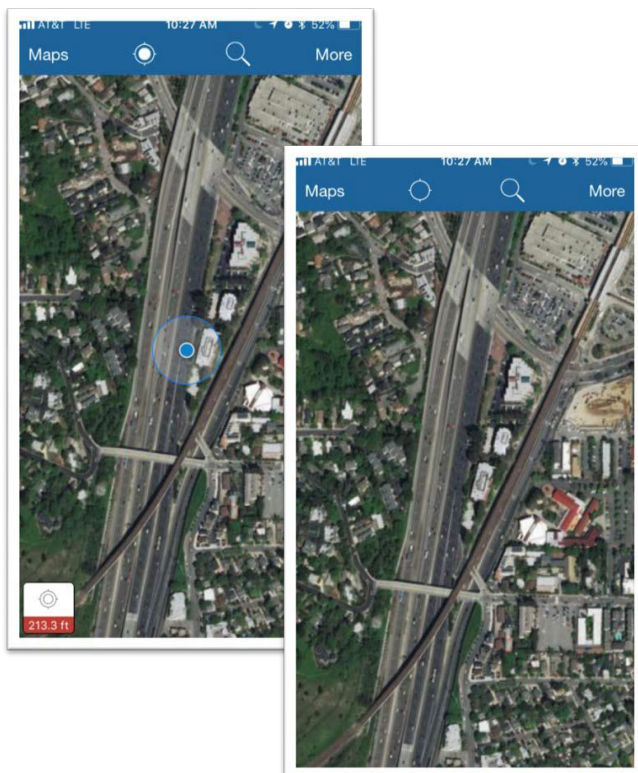
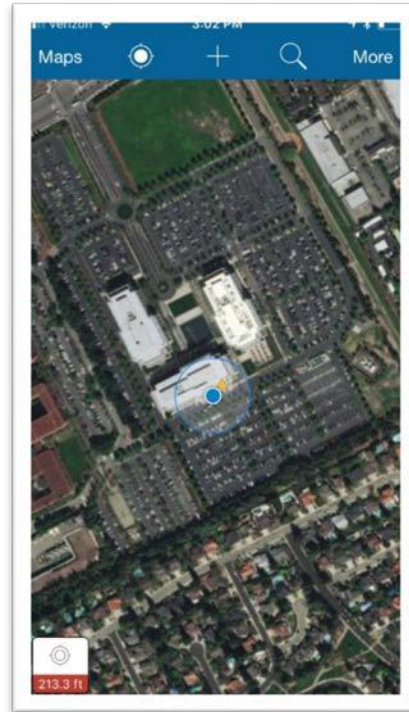
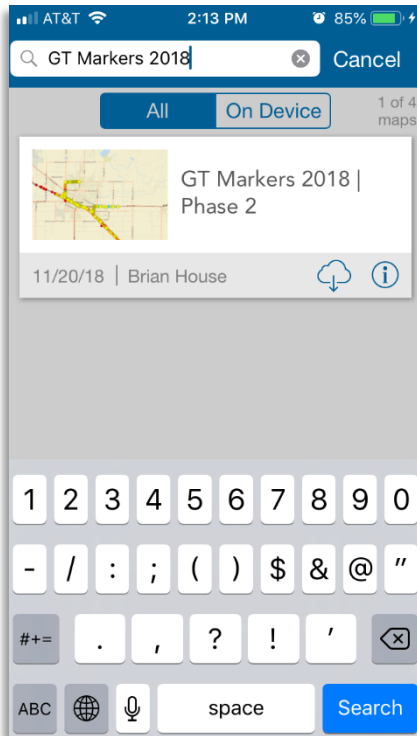


Select ArcGIS Online



Sign-in

1. Search and open GT Markers 2018 | Phase 2
2. 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.

Summary

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





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

Access Measurement Toolkit



Basemaps

Access to Basemap Library



Add a feature

Create new point, polygon, or line



Accuracy Integration

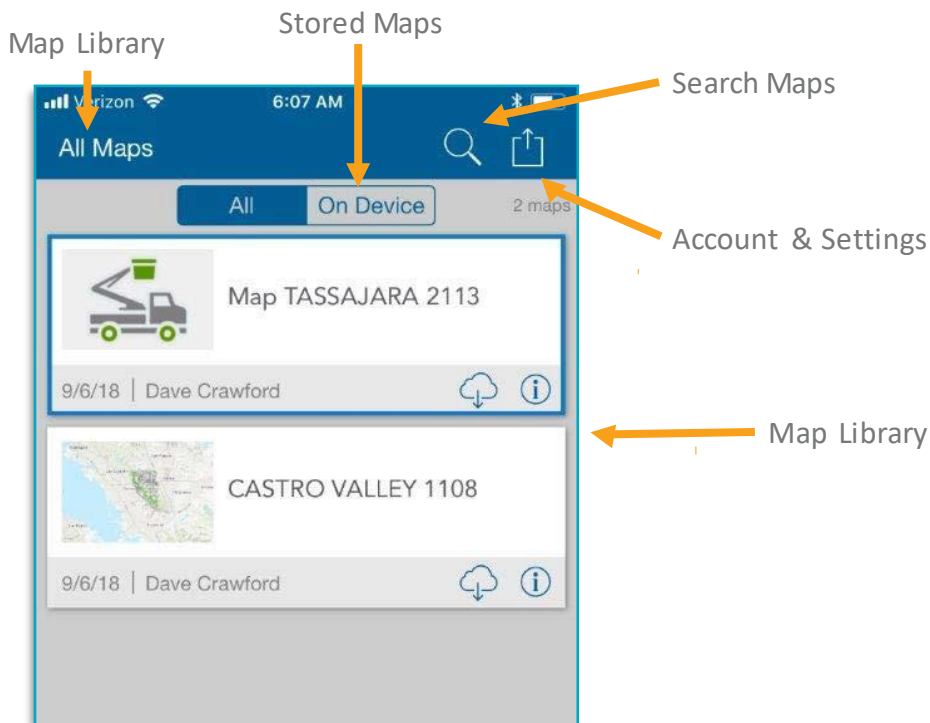
Horizontal and Vertical Accuracy



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 MapLibrary



Stored

Toggle between Cloud-Based and On



Search

Search through MapLibrary



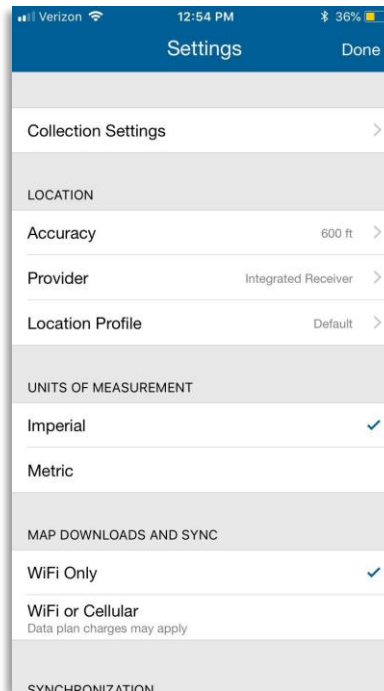
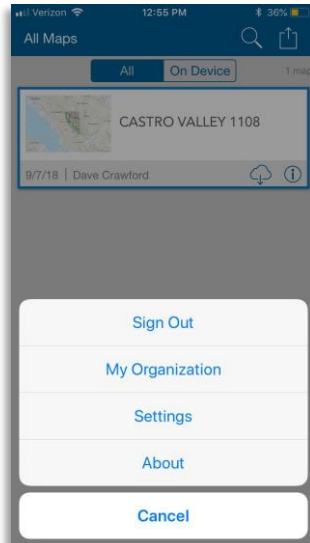
Download to Device

Store Maps on Device for 'offline

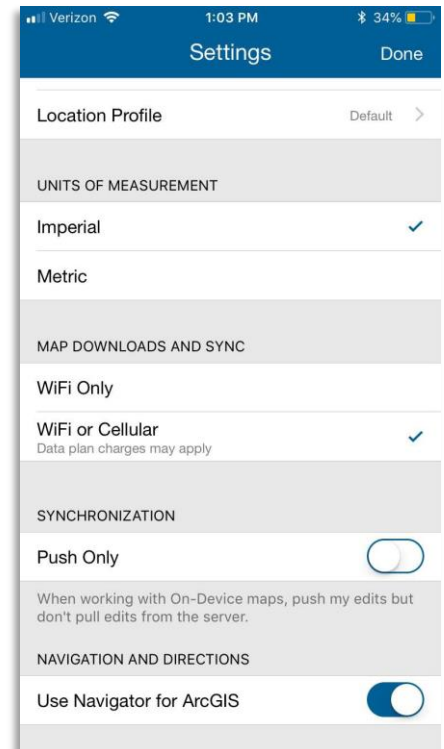
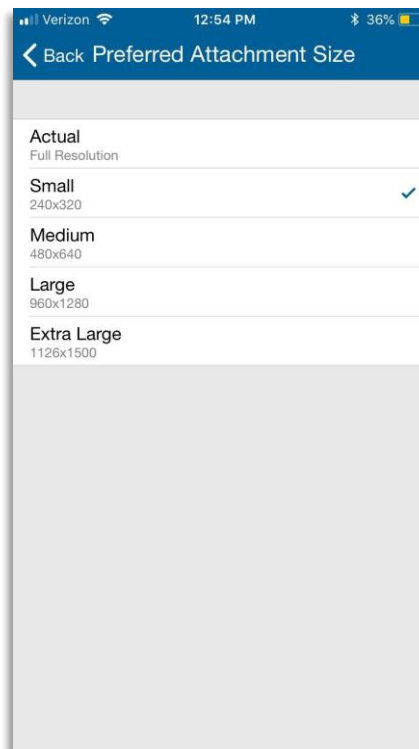
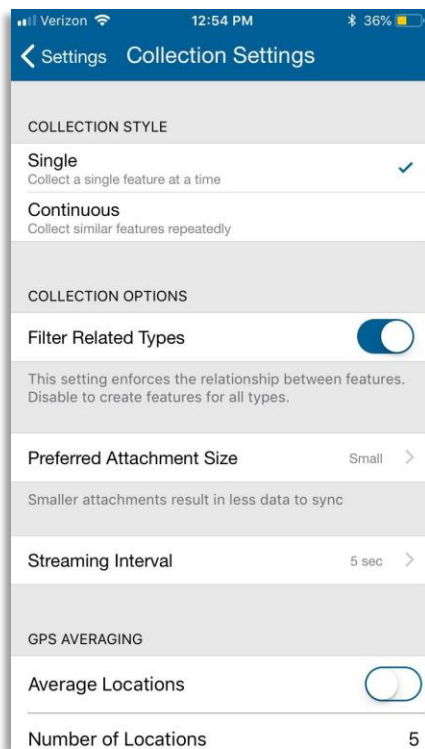


Map Details

View map and survey details

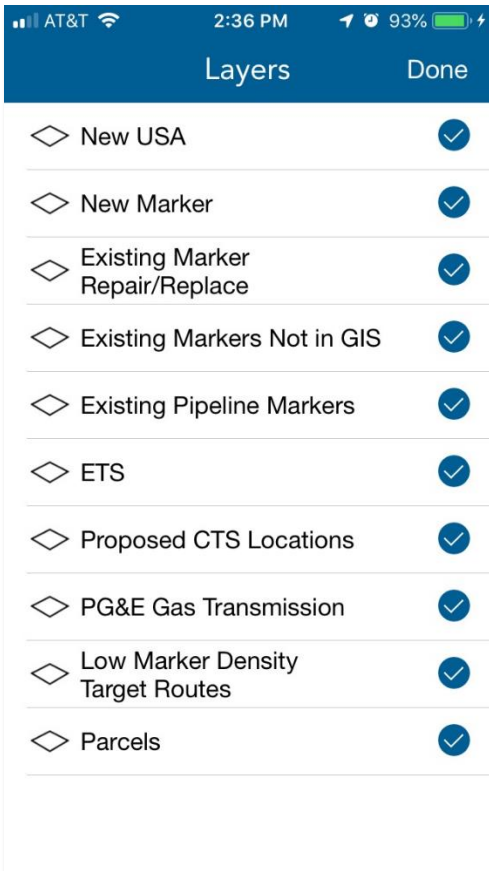


- Attachments should be saved as a small file type.
- Syncing of offline data should be available via wifi or cellular data.
- These can be configured in settings on the home screen.
- Open Settings and click on Collection Settings.



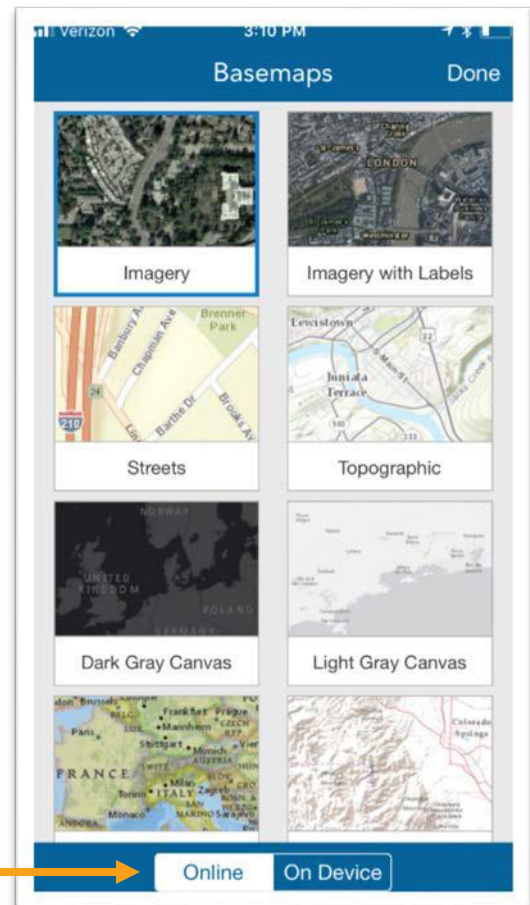
Open Preferred Attachment Size Choose small attachment size.

Choose Wifi or Cellular for Syncing



The available layers to view are New USA, New Marker, Existing Marker Repair/Replace, Existing Markers Not in GIS, Existing Pipeline Markers, ETS, Proposed CTS Locations, PG&E Gas Transmission, Low Marker Density Target Routes, and Parcels. 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.

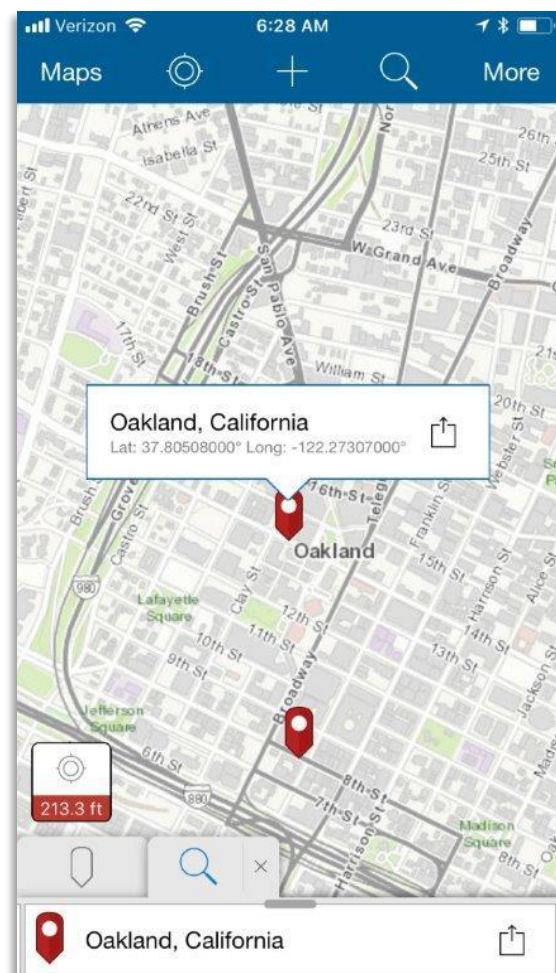
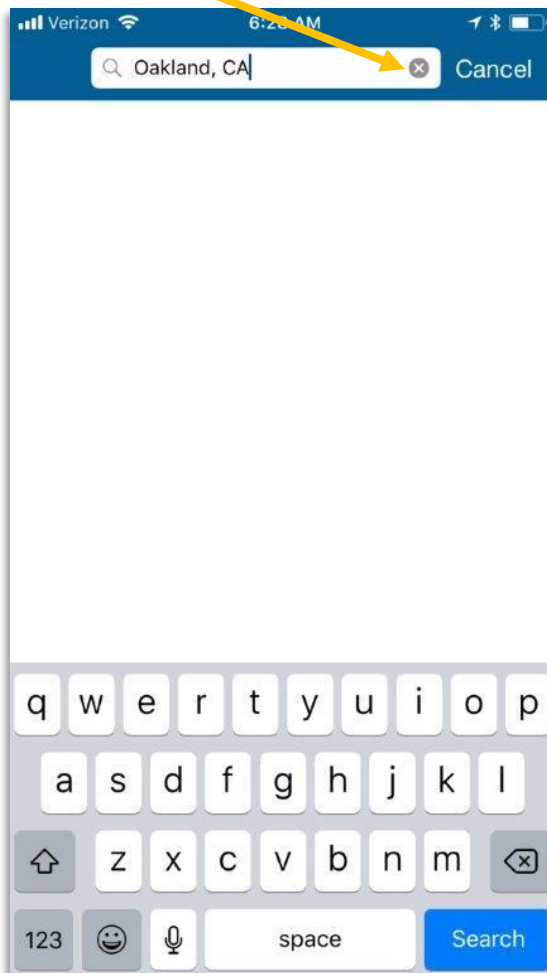
If connected to WIFI or mobile data (not working 'On Device') you can access any ESRI basemap at any time. While connected to WIFI or mobile data, you can store basemaps to be used when working 'On Device'. This is where you can change the display type of the map that appears on your screen.



Online/On
Device Toggle

Summary

This is where you can search for places, addresses, or specific marker locations. Once you enter the place or address you would like to locate, the map will adjust accordingly. The search can be removed by selecting the 'x' mark within the search bar.



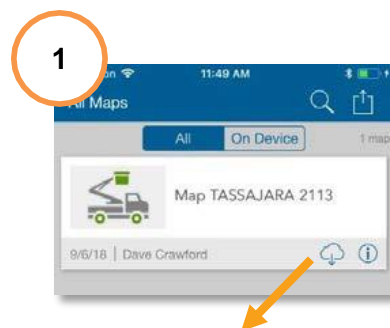
Upload and Sync Offline Maps

ArcGIS Collector

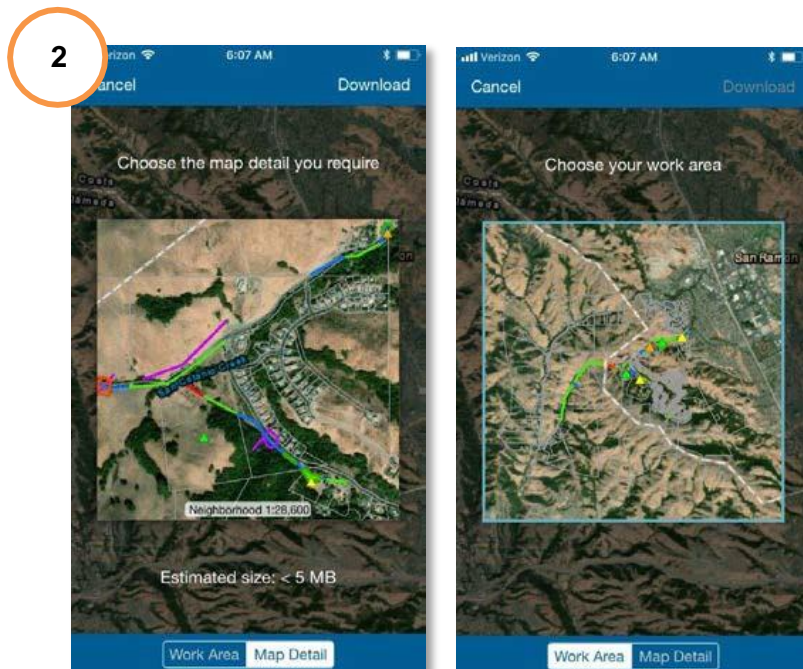
Summary

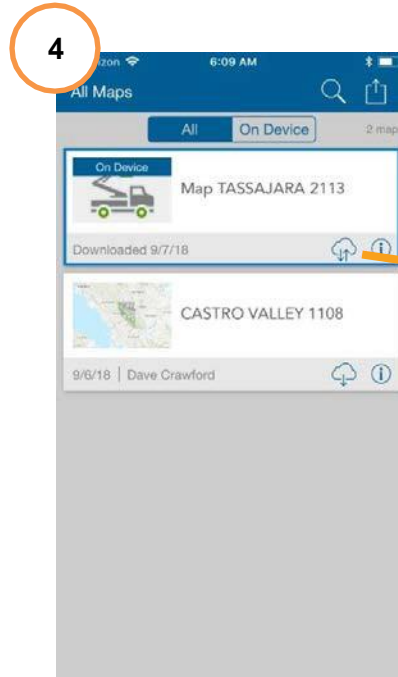
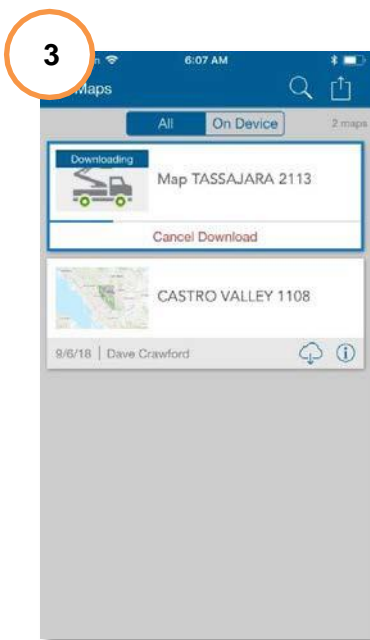
If you are working in a remote area with limited cellular service, you can download a map to work offline to work 'On Device'. If offline or working 'On Device', after you have re-established cellular service, you will need to go back to the 'Maps' menu under 'On Device' and click the up/down cloud icon 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.

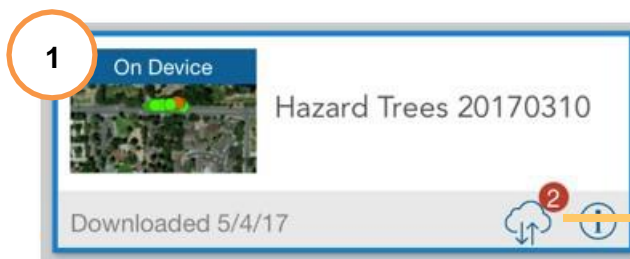




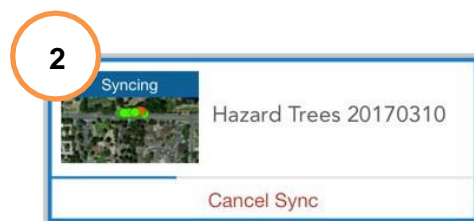
This icon means the map is now downloaded onto your device

Syncing your offline activity

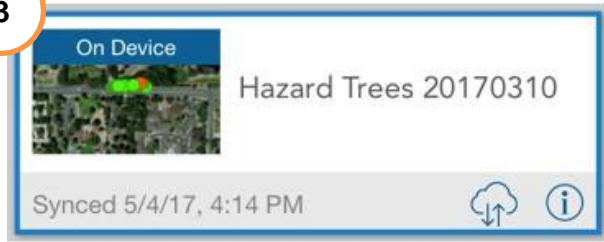
If you are working offline or 'On Device', be sure to sync your data once you have re-established either cellular service or have a WiFi connection. Once you have finished syncing all your offline maps, you can delete the saved maps from your device.



Select Sync to Cloud icon to submit the 2 features added offline to ArcGIS Online.

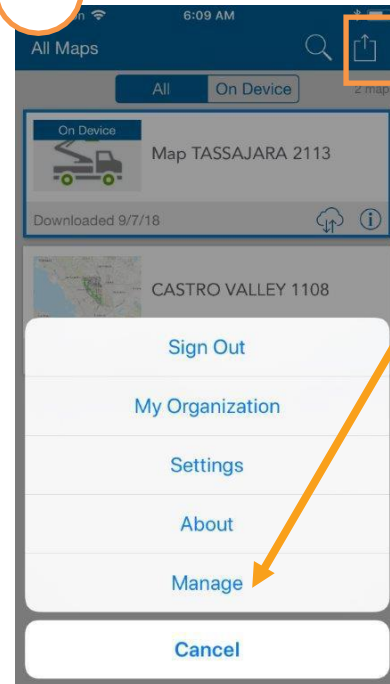


3



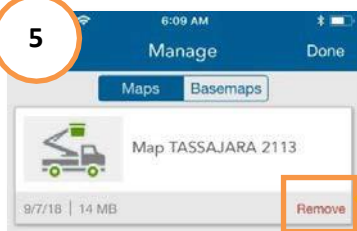
If you are working online, connected to ArcGIS Online with WiFi or cellular data, you do not need to sync because it is done every time you select submit.

4

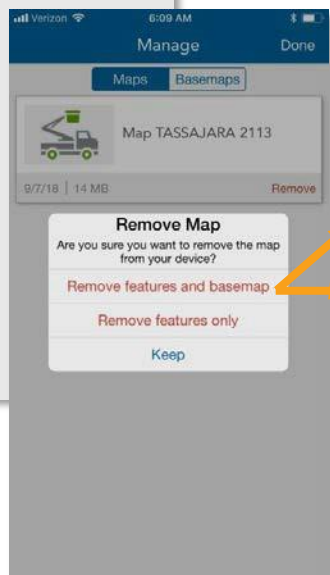


Click here and select "Manage" to delete the map off of your device once you have completed synced to ArcGIS

5



Select "Remove"







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

Collecting Data

ArcGIS Collector

Summary

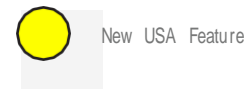
Below are the meanings of the symbols and colors that are seen throughout the map as you input the information for each layer.

Legend	
New USA	
	
New Marker	
	
Existing Marker Repair/Replace	
	
Existing Markers Not in GIS	
	
Existing Pipeline Markers	
	
Proposed CTS Locations	
MARKER_DENSITY_VALUE	
	8.23 - 12.40
	4.06 - 8.22
	0.00 - 4.05
Low Marker Density Target Routes	
	

Layer Description: Underground service alert that indicates there is a preliminary clearance to do work in the area.

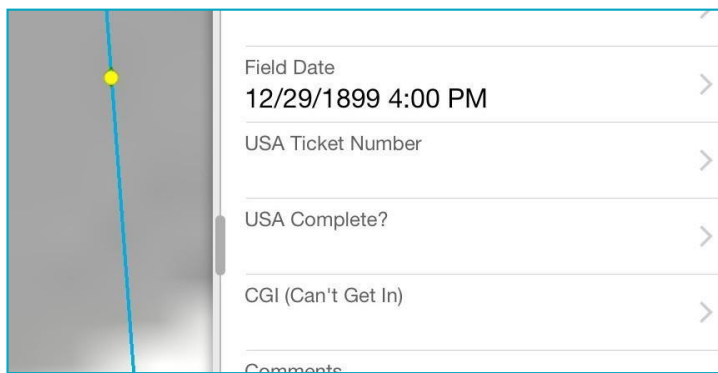
Create New Feature for “New USA” layer

- Select ‘+’ tab
- Select “NEW USA” from list.
- Place point manually onto the map



Input/Change Attributes for “New USA”

- Place “New USA” point manually
- All fields are required except the Comments field
- For the correct Field Date, select TODAY

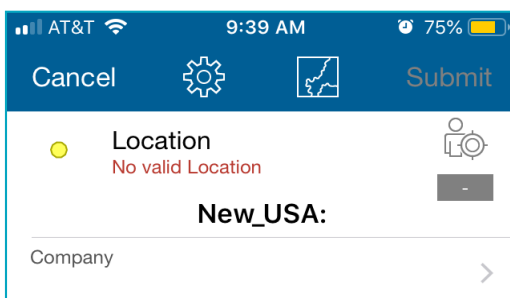


Field Personnel Full Name
Required

Required Field
Indication

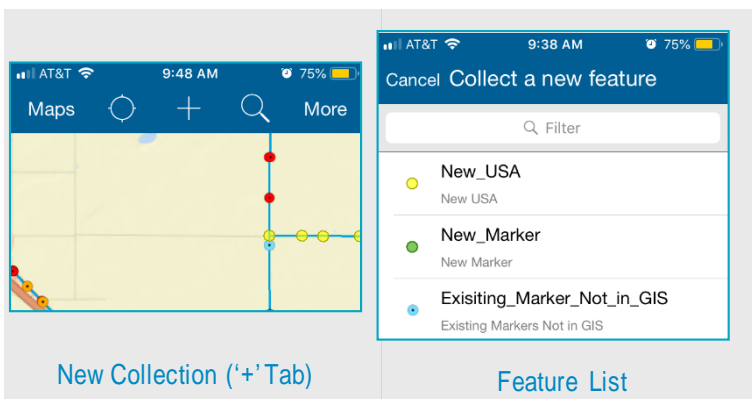
Submit

- Select SUBMIT located in right corner to save changes



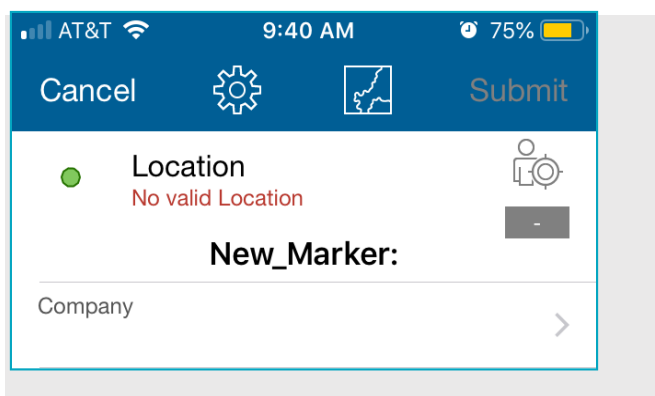
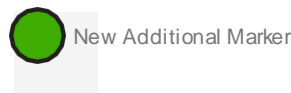
Layer Descriptions

New Marker: Points where additional 'Line of Sight' or 'PI' pipeline markers are installed. These are installed at contractor's discretion.



Add "New Marker"

- Select '+' to access layer list
- Select "New Marker"
- Input attributes in the input boxes



Input/Change Attributes

- Input the necessary attributes

Inspection Complete? >

USA Ticket Number >

Installation Type >

Installation Type

Q Filter

<No value> ✓

Crossing

Additional

LOS

PI

Select Installation Type

- Select Installation Type on the Attributes List
- Installation type, select from:
 - » Additional
 - » LOS
 - » PI

*note: do not select Crossing

Marker Type

Q Filter

Paddle Marker

Pipeline Disc Indicator

Pavement Decal

Tri-View Marker

Composite Marker

Plastic Post Marker

Select MarkerType

- Input the necessary attributes

Submit

Location

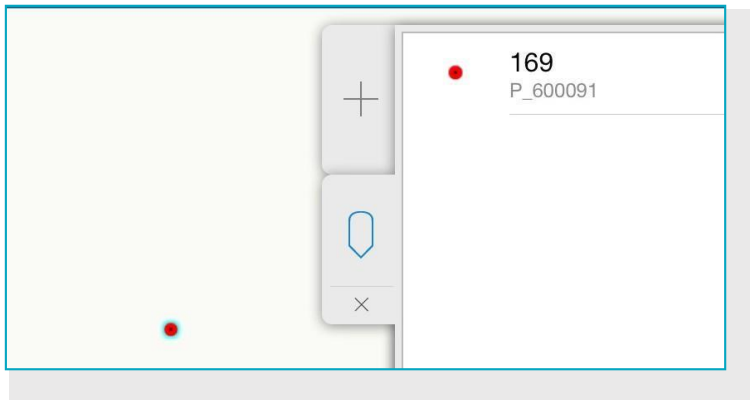
Lat: 37.75828441° Long: -121.95525799°

Full Name

Submit

- Select SUBMIT to save changes

Layer Description: All existing markers that are identified in the field are added to this layer. This indicates to office staff and others that these features have been checked in the field. Sub-meter accuracy if possible.



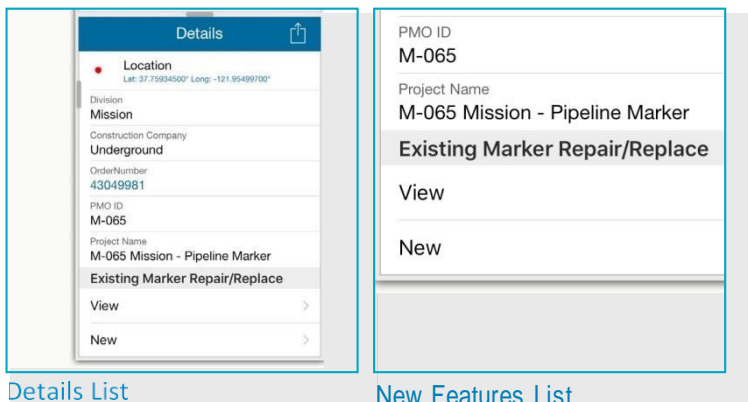
Select “Existing Pipeline Marker” located on the map

- Existing Repair/Replace Markers are related to Existing Pipeline Markers, you need to select the feature that you are going to repair and replace.
- A blue box will appear once it is selected.



Existing Pipeline Marker

Create New Related Feature to “Existing Marker Repair/Replace” layer



Details List

New Features List

- Scroll down to the bottom of the Details list
- Select NEW under “Existing Marker Repair/ Replace”
- The attributes list will pop up
- Collector will automatically determine your location via GPS receiver.



Existing Marker Repair/Replace Marker

A screenshot of a mobile application interface. On the left is a map with a yellow location pin. To the right of the map is a form titled 'Location' with the coordinates 'Lat: 37.75886241° Long: -121.95539672°'. Below this is a section titled 'Existing Marker Repair/Replace:' containing three input fields: 'PIPE GIS ID' with the value 'P_600091', 'Company', and 'Field Personnel ID'. Each input field has a right-pointing chevron icon.

Input/Change Attributes for feature being repaired and replaced

- Required fields are indicated below the attribute names

A screenshot of the same mobile application interface, but with a blue 'Submit' button at the top. The form content is identical to the previous screenshot, showing the 'Location' details and the 'Existing Marker Repair/Replace:' section with the 'PIPE GIS ID' field containing 'P_600091'.

Submit

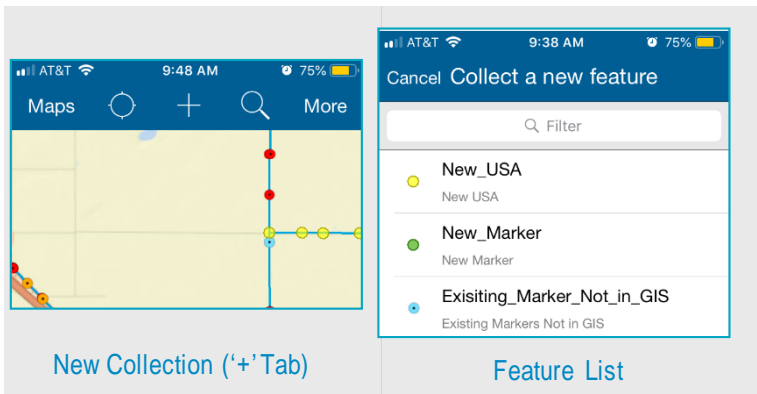
- Select SUBMIT to save changes

Note: This is used in the rare situation where you find a Pipeline Marker in the field that has no existing GIS Feature. When using this option, you are responsible for adding a new feature to PG&E’s master dataset of Pipeline Markers



Existing Pipeline Marker

Layer Description: This layer is for markers found in the field and are not currently identified in the buffer. Sub-meter accuracy if possible.

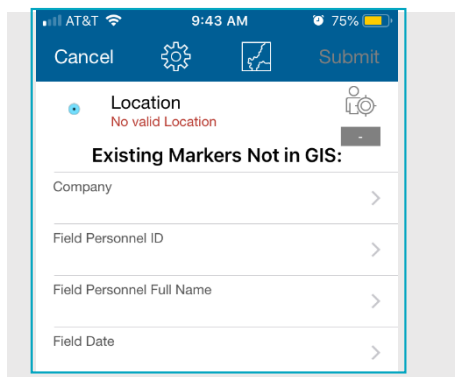


Create “Existing Marker Not in GIS” feature

- Select ‘+’ tab to access layer list
- Select “Existing Marker Not in GIS” from layer list

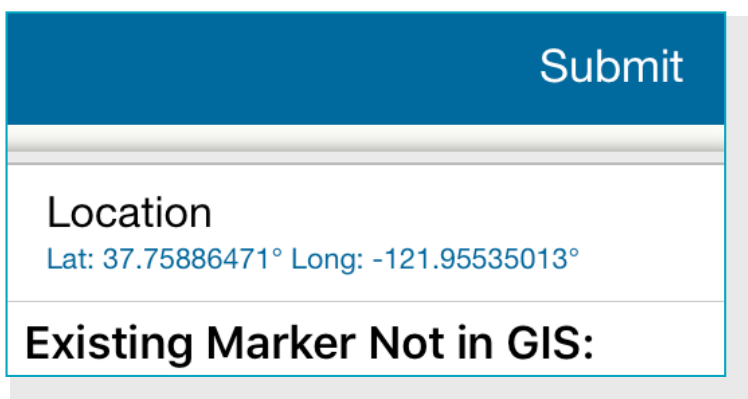


Existing Marker Not in GIS



Input/Change Attributes

- Required fields are indicated below the attribute names
- The GPS will automatically find your location and set the marker on the map



Submit

- Select SUBMIT to save changes