ArcGIS Collector and Survey123

Coupon Test Station
User Guide For Androids

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Overviews and Tutorials
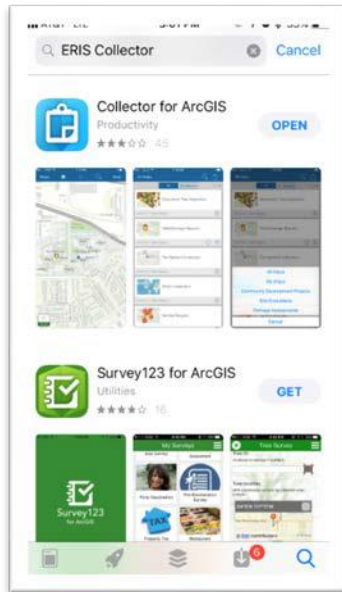
ArcGIS Collector and Survey123

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.**
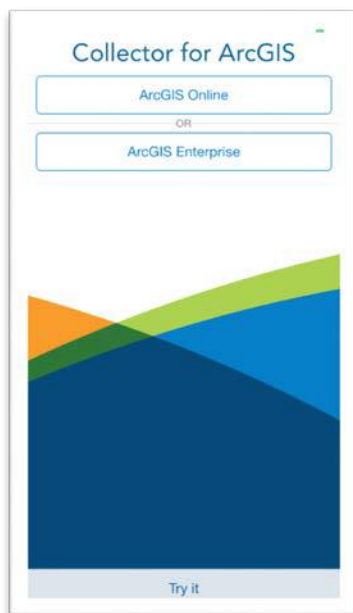

System Requirements:

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 Survey123

Overview

Summary

Below are step-by-step instructions for downloading, signing-in, and launching the Survey123 app.

1. If needed, download the Survey123 App by searching Survey123 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
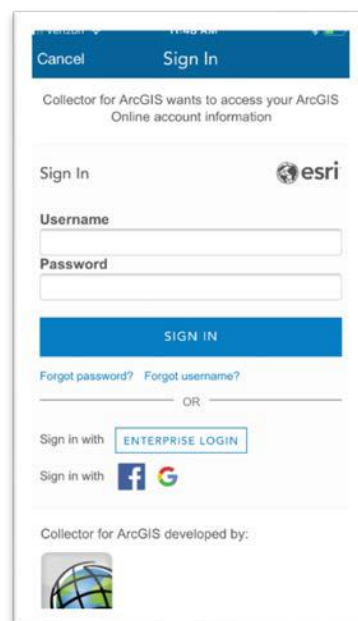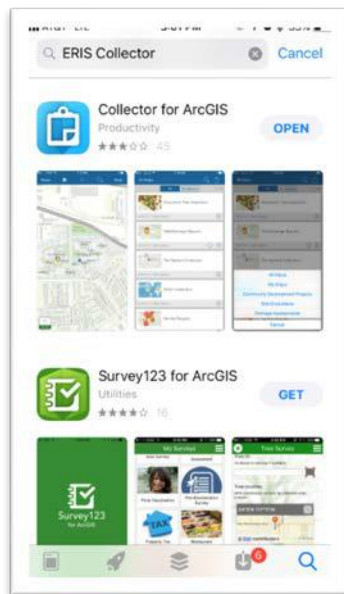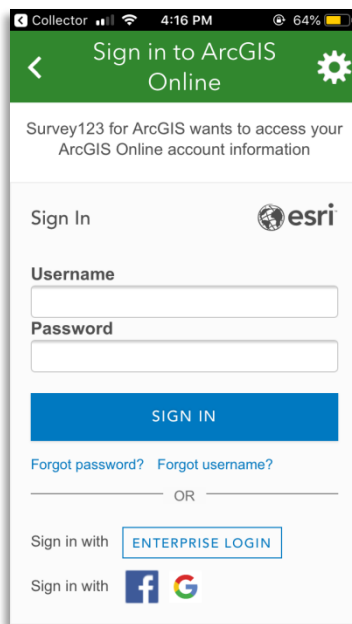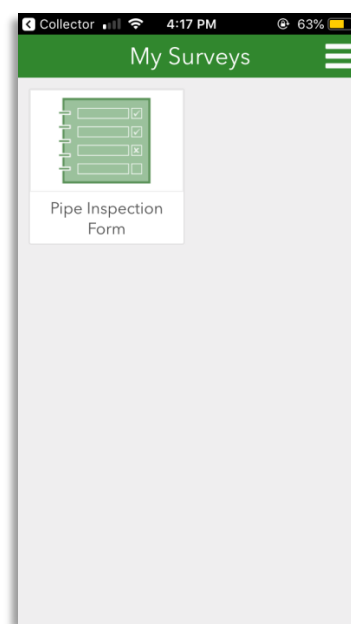- Precise location (GPS and network-based) support

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

2. Start the Survey123 App and sign in
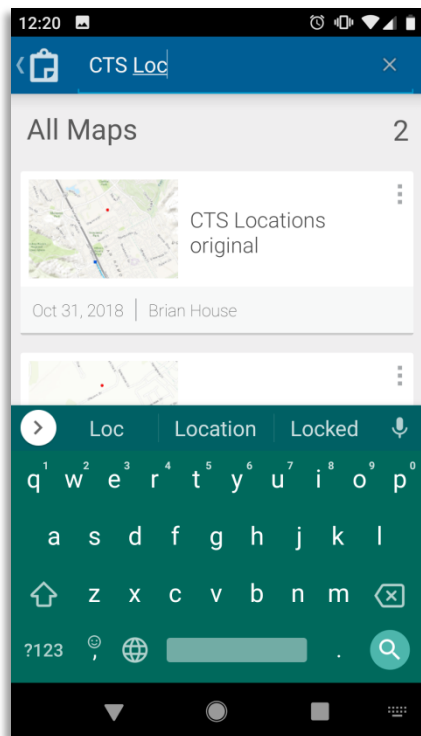

3. Select Pipe Inspection Form

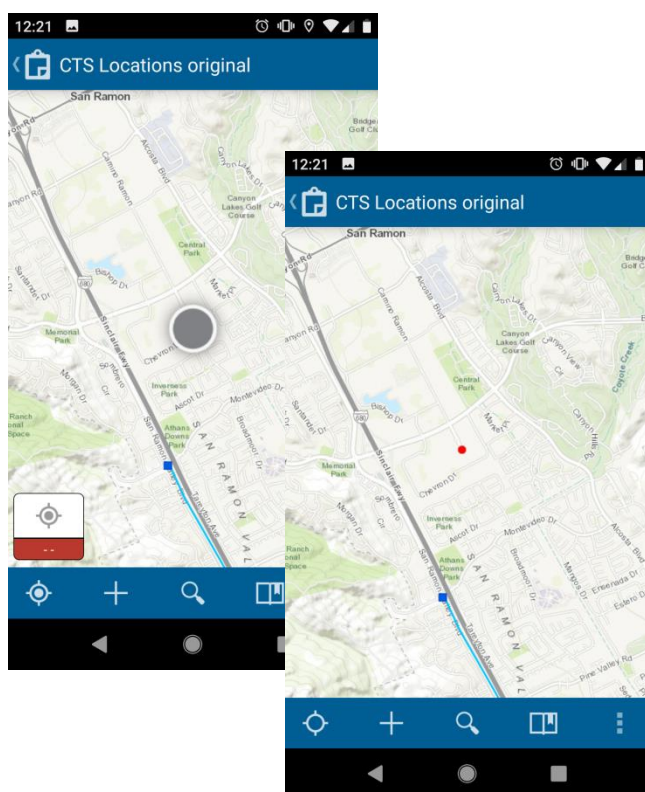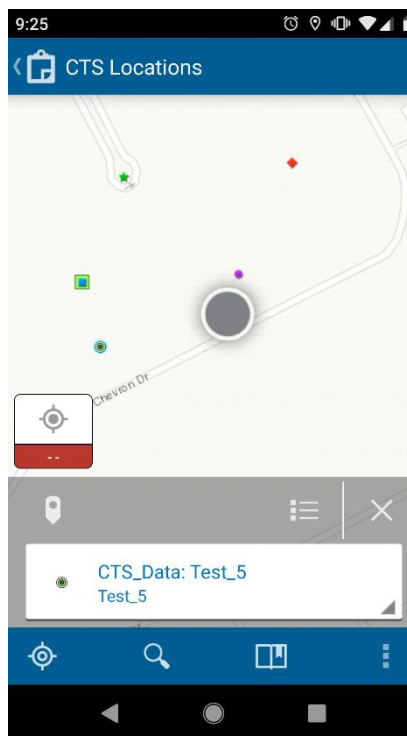- Note: Surveys are device specific.

How to Open CTS Locations Map

Overview

1. Search and open CTS Locations

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

GPS On

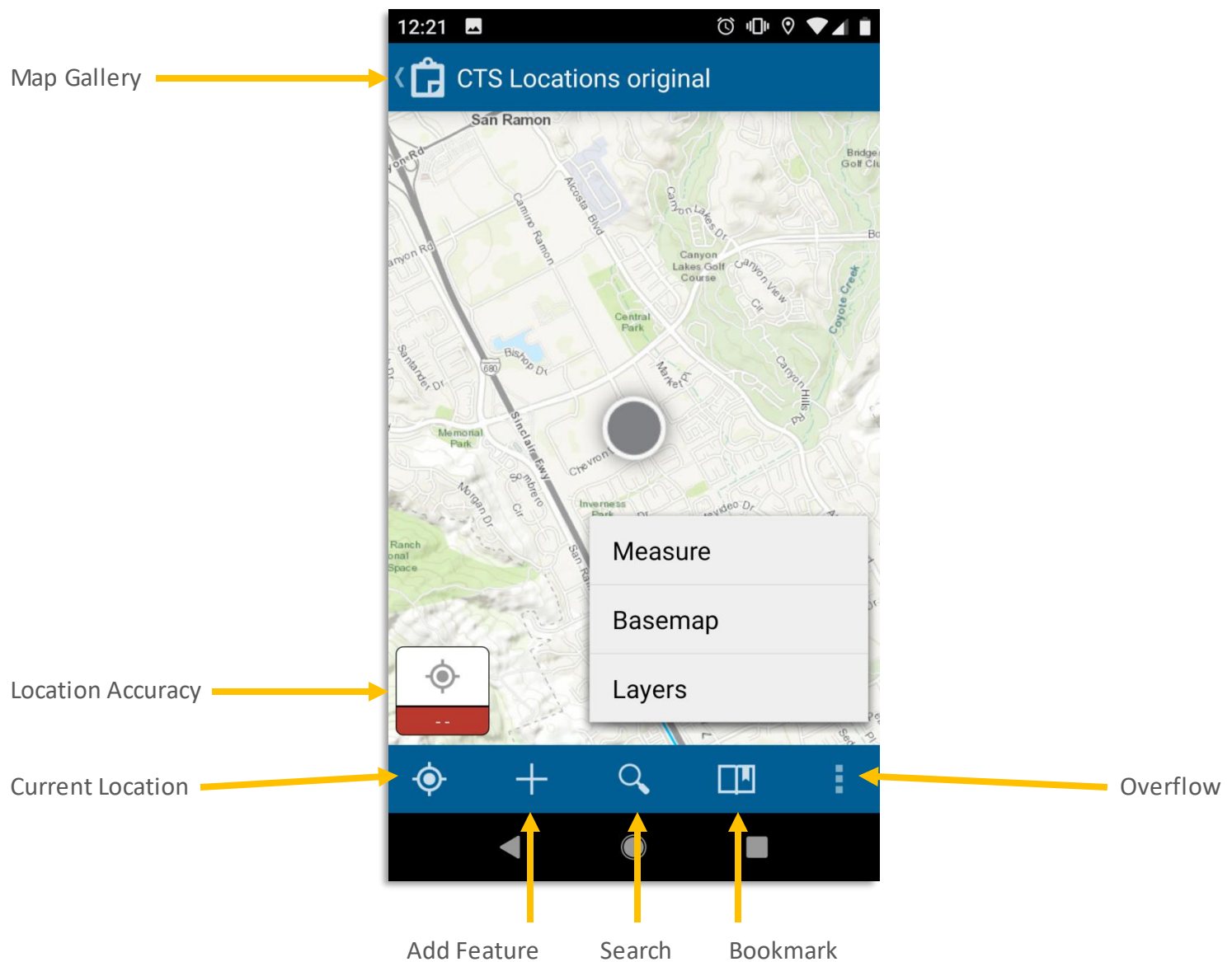When the 'Current Location' icon is highlighted white, the GPS finder is on.

GPS Off

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

Home Screen Menu

Overview

Summary

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

Map Gallery

Location Accuracy

Current Location

Overflow

Add Feature   Search   Bookmark

Home Screen Menu

Overview

Icon	Name	Description
	Overflow	Expands toolbar and shows the additional tools
	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

Stored Maps

Map Details

Download

Overflow/Account Settings
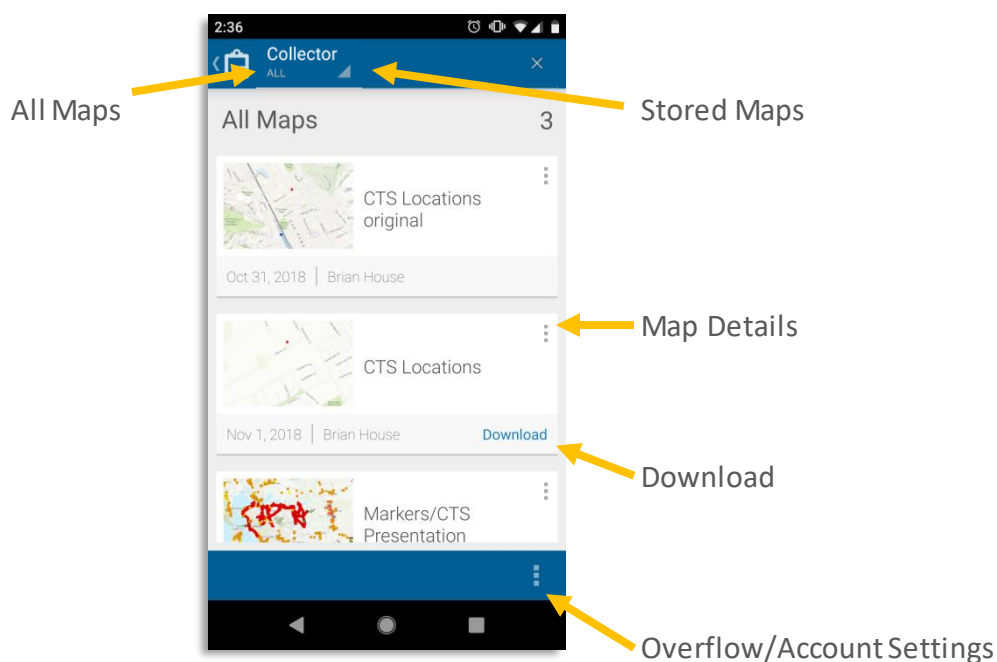
	All Maps	Navigates users back to the Map Library
	Stored Maps	Toggle between Cloud-Based and On Device
	Search Maps	Search through Map Library
	Download to Device	Store Maps on Device for 'offline use'
	Map Details	View map and survey details

Map Library
Overview
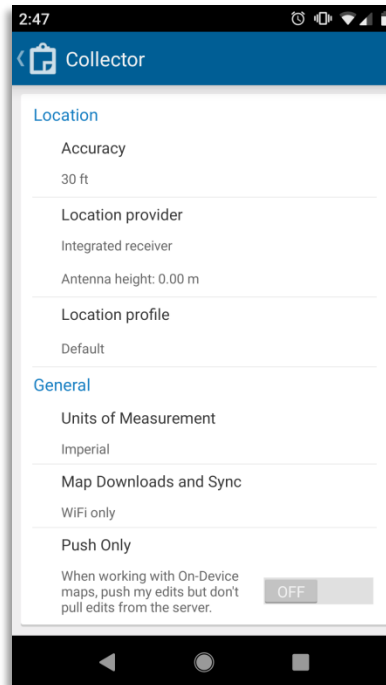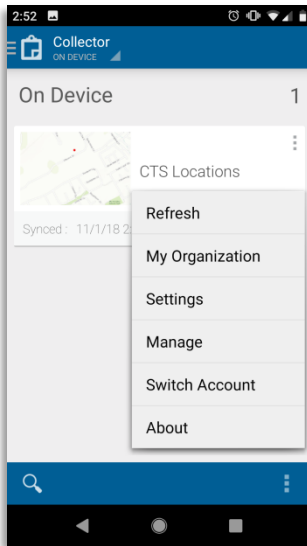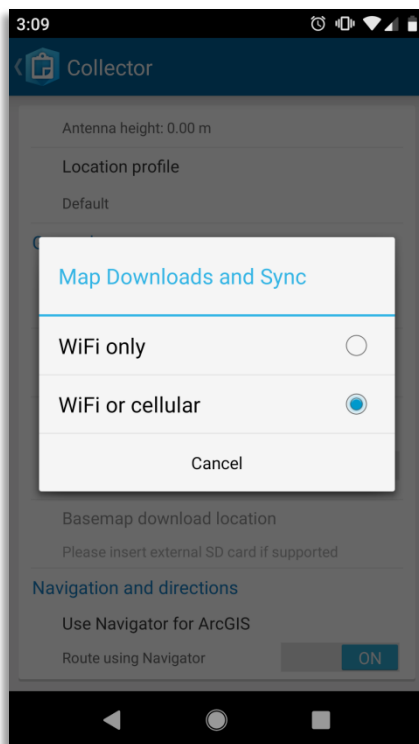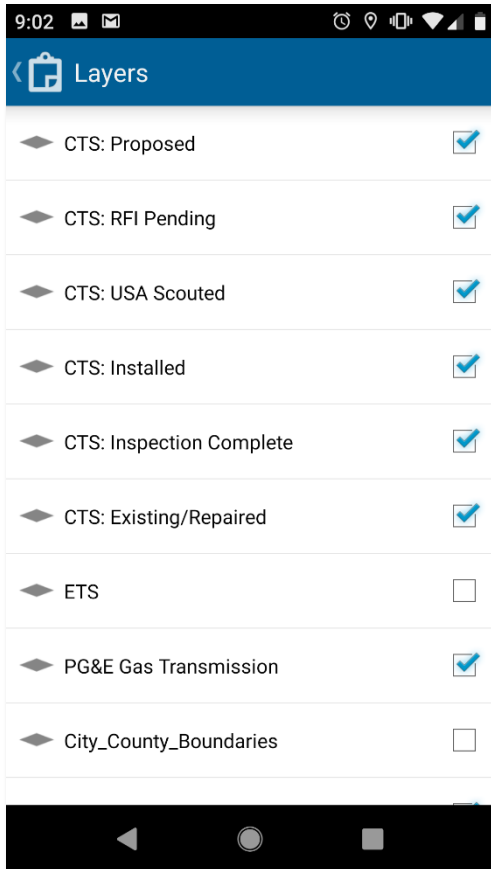

- Syncing of offline data should be available via wifi or cellular data.
- These can be configured in settings on the home screen.
- Open Settings and scroll down to General
- Select Maps Downloads and Sync
- Select Wifi or Cellular

Map Layers and Basemaps

Overview

The available layers to view are CTS: Proposed, CTS: RFI Pending, CTS: USA Scouted, CTS: Installed, CTS: Inspection Complete, CTS: Existing/Repaired, ETS, PG&E Gas Transmission, City County Boundaries, 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.
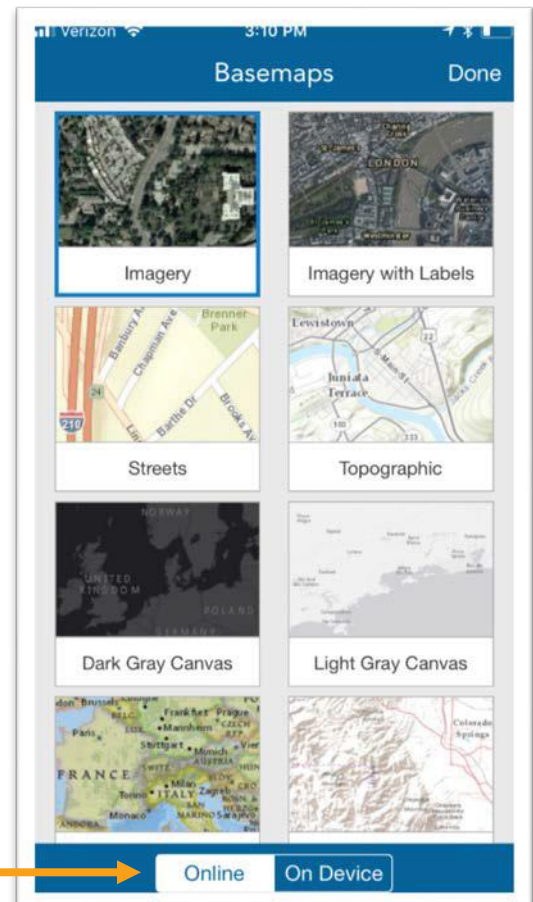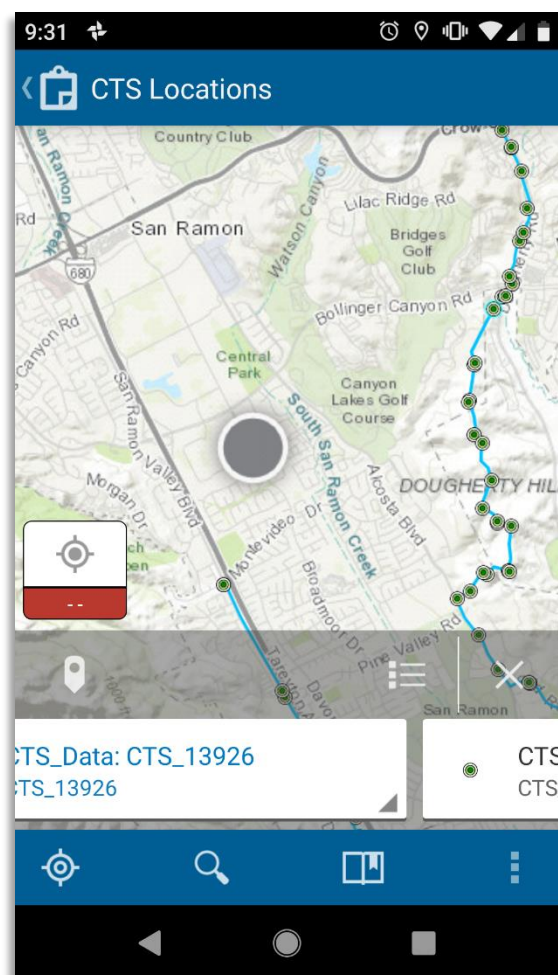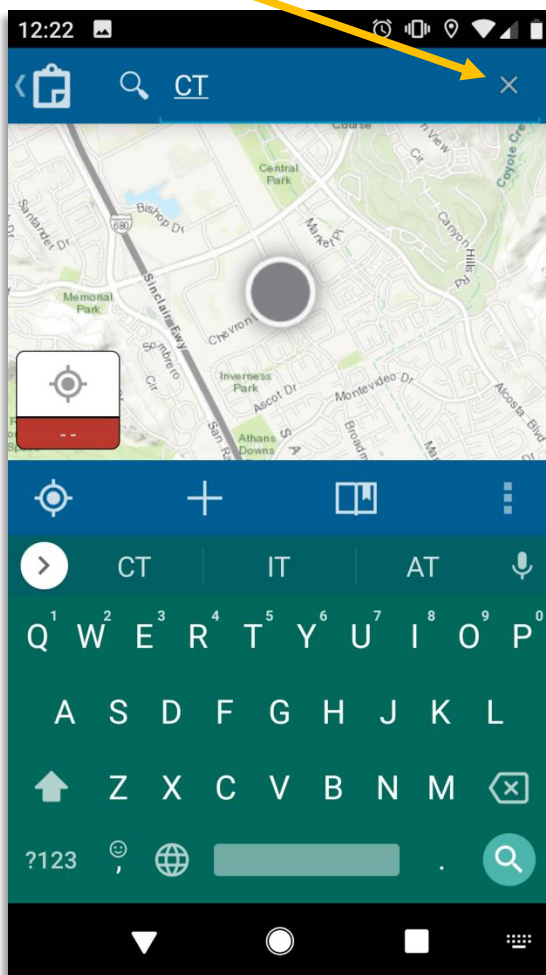

Online/On Device Toggle

Location Search
Overview

Summary

This is where you can search for places, addresses, or specific CTS 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.
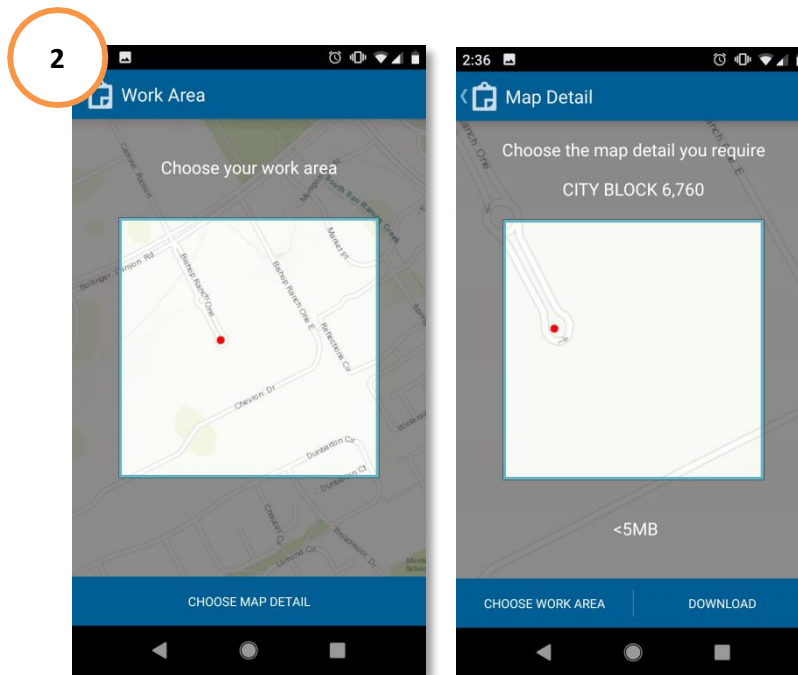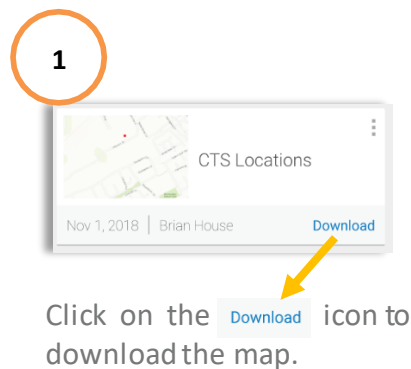
Upload and Sync Offline Maps

ArcGIS Collector
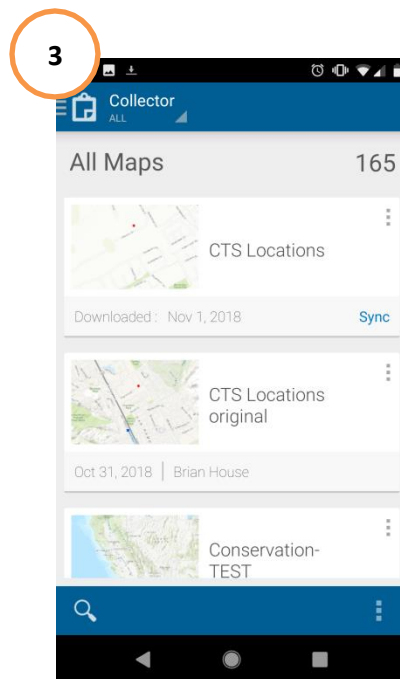
Upload/Sync Offline Maps

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 'sync' these features to ArcGIS Online. This requires cellular data or WIFI connection.

Downloading a map for offline use

1

CTS Locations

Nov 1, 2018 | Brian House   Download

Click on the **Download** icon to download the map.

2

Upload/Sync Offline Maps

3

Sync means the map is now downloaded onto your device and is ready to sync

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.

1
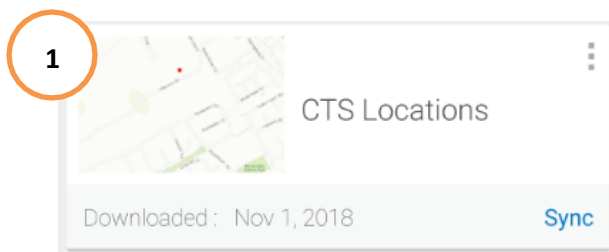
Select Sync submit the features added offline to ArcGIS Online.

Upload/Sync Offline Maps

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.

2

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

3

Select Overflow and then Manage.

4

Select "Remove"

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

NOTE: DO NOT REMOVE DOWNLOADED MAP UNTIL ALL DATA IS UPDATED AND SENT IN SURVEY123.

Collecting Data

ArcGIS Collector

Symbols

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

CTS: Proposed

CTS: RFI Pending

CTS: USA Scouted

CTS: Installed

CTS: Inspection Complete

CTS: Existing/Repaired

ETS

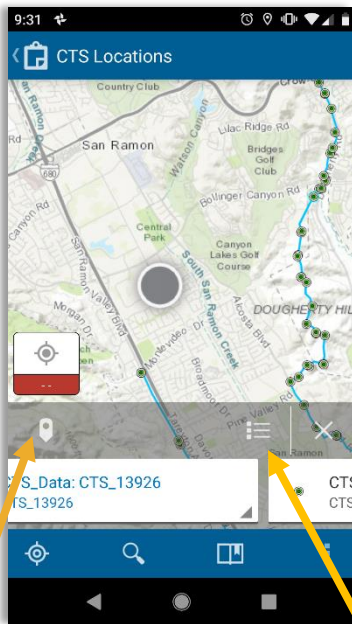PG&E Gas Transmission

City County Boundaries

Parcels

Editing Data
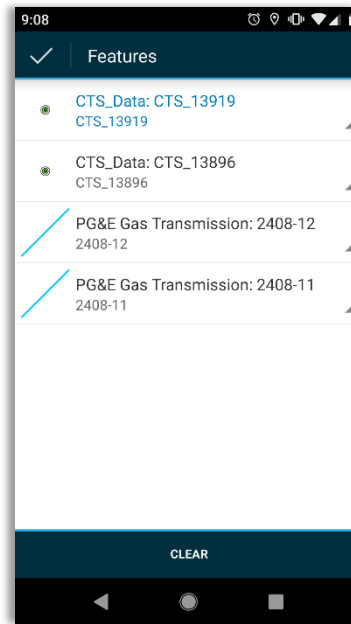## Map Layers

1. Search for specific CTS Location
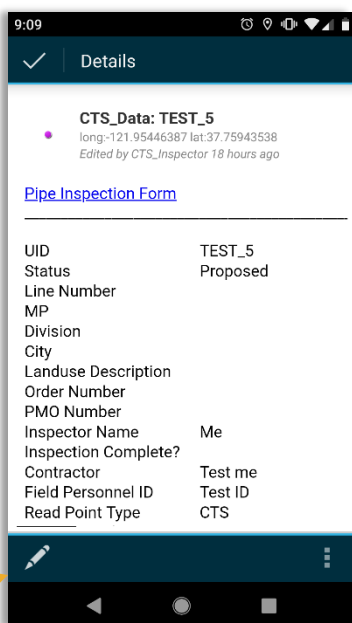

Pin Icon   List

2. Select the Pin icon or List to identify the specific CTS location that needs to be edited
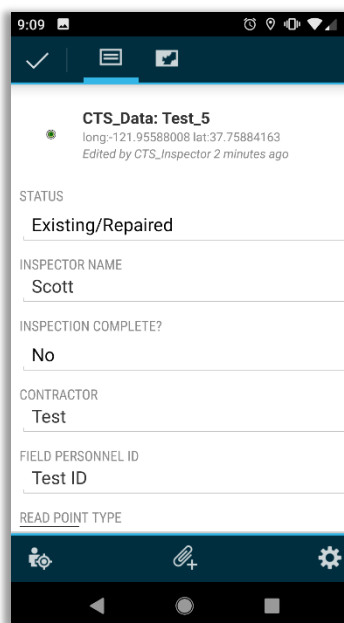

3. Select specific CTS Location to open details and select edit

Edit

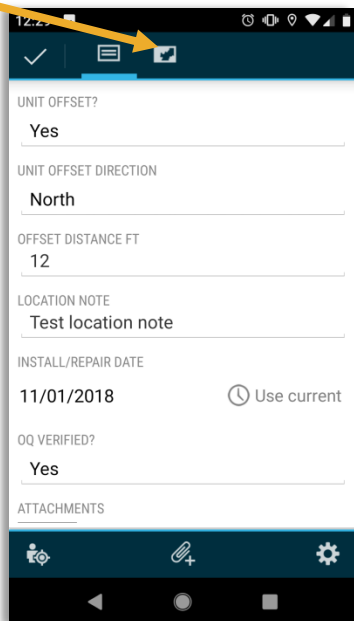4. Fill out all the pertinent data within collector before going into Survey123

Editing Data

Map Layers

5. If a CTS location is incorrect and needs to be moved:
   - Select map icon (this will highlight the CTS point)
   - Hold finger down on the screen in order to move the CTS location to the correct area

Map Icon
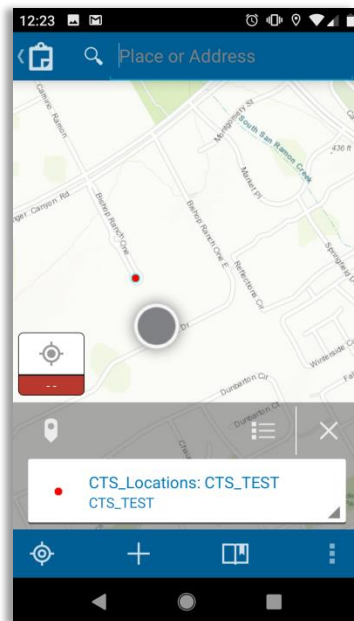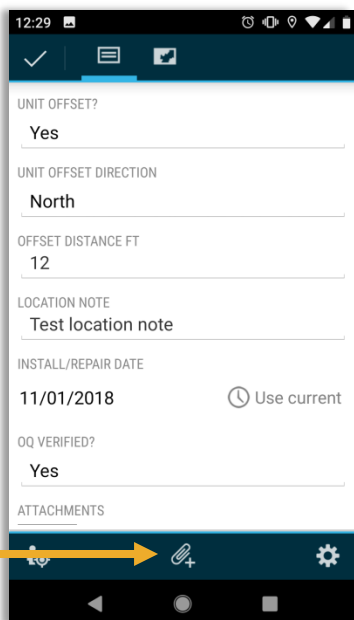
6. Select the camera button to take a photo

7. Select camera, take photo (do not choose from gallery), click on photo and rename, and select checkmark

Camera Button
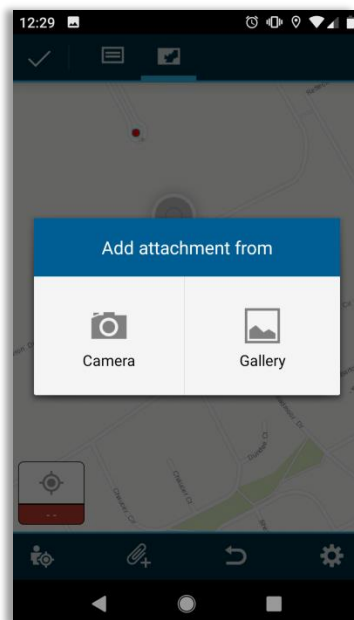
8. Types of photos to be included:

- **Pre-construction**: This will be a picture of the site before any disturbance has occurred
- **TOP prep**: this will be a picture of the site before any disturbance has occurred
- **Cad-weld or Pin Braze**: this label will depend on which applications were used and self-explanatory.
- **Handi cap or Hot wax**: this label will depend on which application was used and self-explanatory.
- **AC measurement**
- **DC measurement**
- **CTS Terminated**: this is a picture of the wires terminated in the post head
- **Restoration**: this is a picture of the area restored and completed
- **Pre-dig**
- **Project documents**: (Optional) any other documents that may be pertinent to the install JSA, Hot work, excavation report, Asbestos chain of custody, coating report if Hot wax was used, etc.
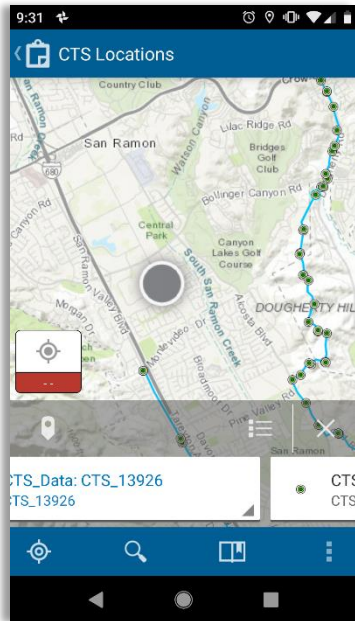
9. Once all edits are complete, select checkmark

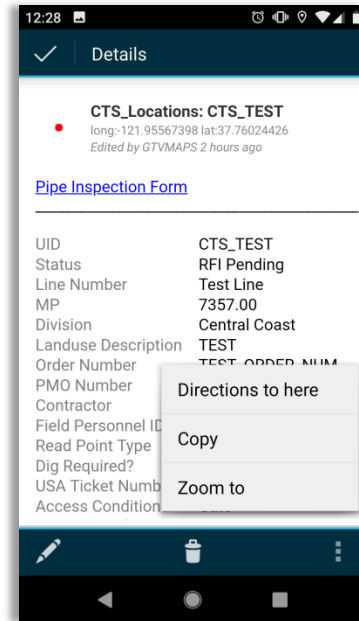# Inspectors Only - Collecting Data

Survey123

Inspectors Only - Collecting Data Survey123

1. Within Collector, select Pin or List Icon and select specific CTS Location

2. Select Pipe Inspection Form hyperlink from the Details page in Collector in order to open Survey123

2. Fill out all information. There shouldn't be any blank fields.

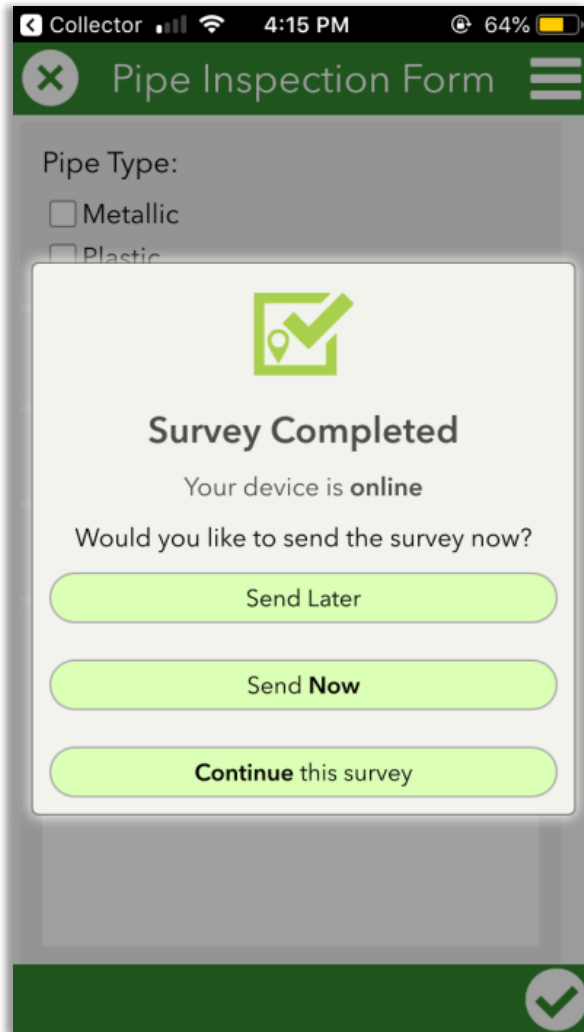3. Select checkmark when complete.

Checkmark

1. Select 'Send Now'

Inspectors Only - Sending Data (offline)
Survey 123

1. Select 'Send Later'
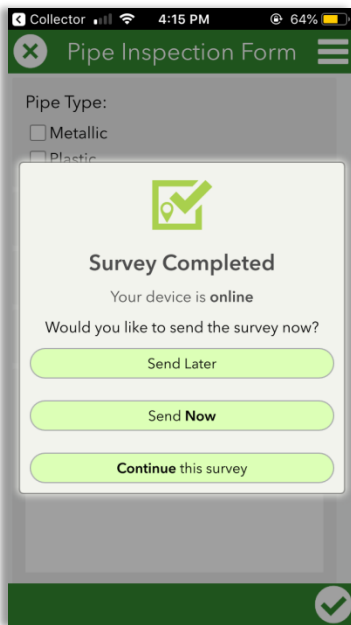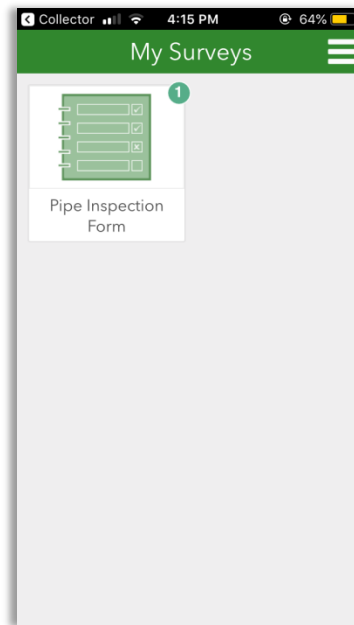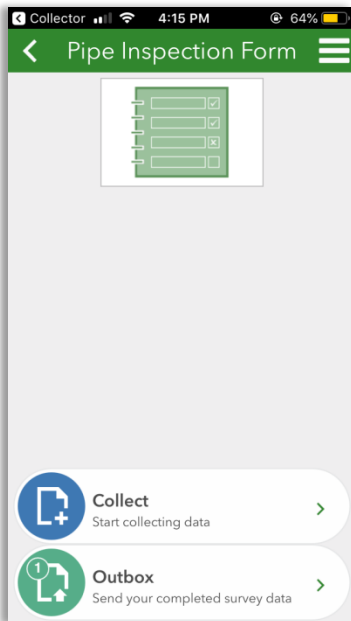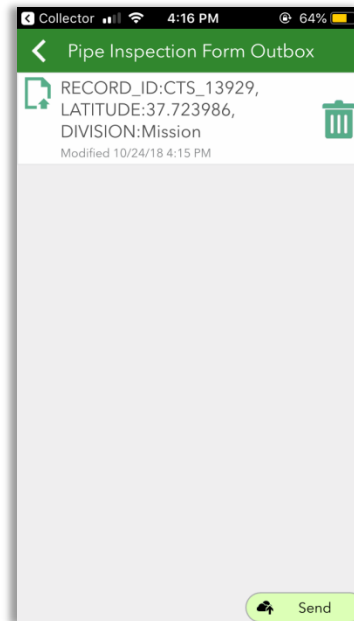

2. Once you're back in service, go to My Surveys and select Pipe Inspection Form. There should be a '1' in the corner.

3. Select Outbox

4. Select Send

General Workflow

1. Crews will use the web map titled "CTS Locations" to collect data. If the work site is in a location outside of cellular service, the map area must be downloaded to a device prior to being offline.

2. Within the "CTS Locations" web map, crew will navigate to appropriate CTS data point and begin collecting data

      -All editable fields should be collected

3. If RFI is needed, the crew sets status of point to "RFI Pending" and moves the location of the point to where the actual install will take place

4. Record the reason for the RFI in comment section

5. Construction Manager will assess the "RFI Pending" point and change the status to "Proposed" once it is approved on the Shovel Ready Report

6. Crew will collect the following photos and attach to the point data in collector

    - **Pre-construction**: This will be a picture of the site before any disturbance has occurred

    - **TOP prep**: this will be a picture of the site before any disturbance has occurred

    - **Cad-weld or Pin Braze**: this label will depend on which applications were used and self-explanatory.

    - **Handi cap or Hot wax**: this label will depend on which application was used and self-explanatory.

    - **AC measurement**

    - **DC measurement**

    - **CTS Terminated**: this is a picture of the wires terminated in the post head

    - **Restoration**: this is a picture of the area restored and completed

    - **Pre-dig**

    - **Project documents**: (Optional) any other documents that may be pertinent to the install JSA, Hot work, excavation report, Asbestos chain of custody, coating report if Hot wax was used, etc.

7. Inspector will use the web map titled "CTS Locations – Inspector" to collect data and access the pipe inspection form.

    - Within this map, the inspector will fill out the "Inspector Name" and "Inspection Complete" fields

8. Inspector will follow "Pipe Inspection Form" hyperlink to fill out/submit the Survey123 Form

Links and Resources

ArcGIS Collector
and Survey123

Links and Resources

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

S5LZ@pge.com

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