Field mapping /Collector for ArcGIS (iOS)

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Collect data

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In this tutorial, you'll use the Damage Assessment Survey map to collect a damage assessment. You'll open the data collection map, collect the new damage assessment's location, provide information about the damage, add a photo, and save and share your work.

Note:

The screen captures show the app on a phone. However, the same workflow applies when working on an iPad, and you can follow this tutorial using one.

Open the map

In Collector, browse to and open the Damage Assessment Survey map that is available in trial mode.

1. [Install Collector for ArcGIS from the App Store](#) if you don't yet have it on your phone.
2. Start the application.
3. On the initial screen, tap Try it.

4. **Note:**
5. If you already installed and logged in to the app, you can access the trial functionality by signing out. Expand the menu and tap Sign out.
6. The trial user's content is loaded in the application and you're taken to the list of All Maps.
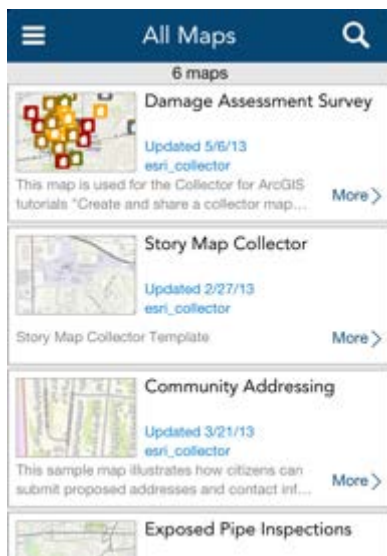

7. **Note:**
8. Since the trial user is a real account, the maps available to it are dynamic and updated over time. You might see a different list of maps than is shown.
9. In the All Maps page, search for Damage to find the Damage Assessment Survey map.
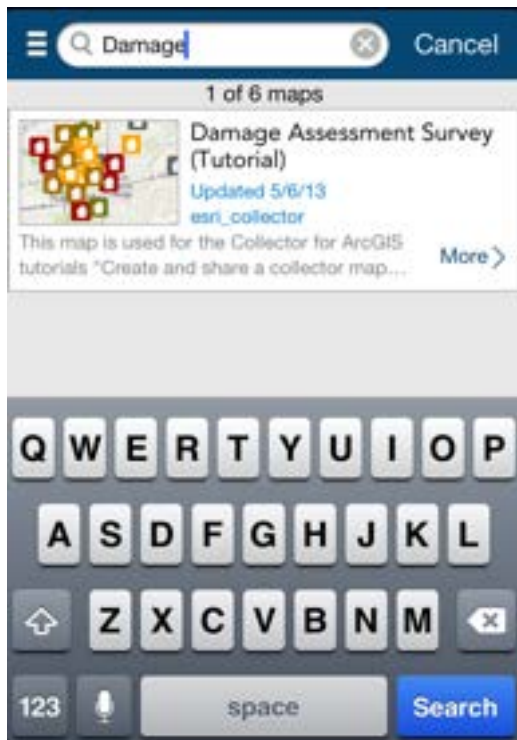
10. **Note:**
11. You may have a different thumbnail for the map, but that's fine—it matches the thumbnail used on ArcGIS Online.
12. Tap the Damage Assessment Survey map's thumbnail to open it.
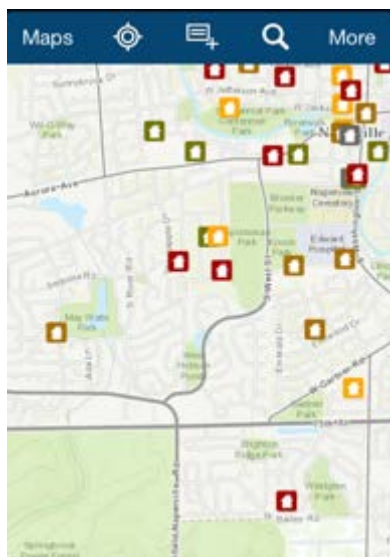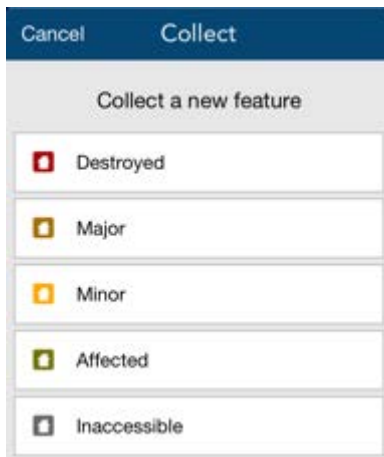

13. **Note:**
14. The extent the map shows when it's opened matches that used when the map was saved. For this tutorial, it doesn't need to match the extent shown in the screen capture.

Collect damage location

With the map open, you're ready to create a damage assessment. In this tutorial, you'll create a damage assessment for minor rain damage.

1. Tap Collect New to create a new damage assessment report.
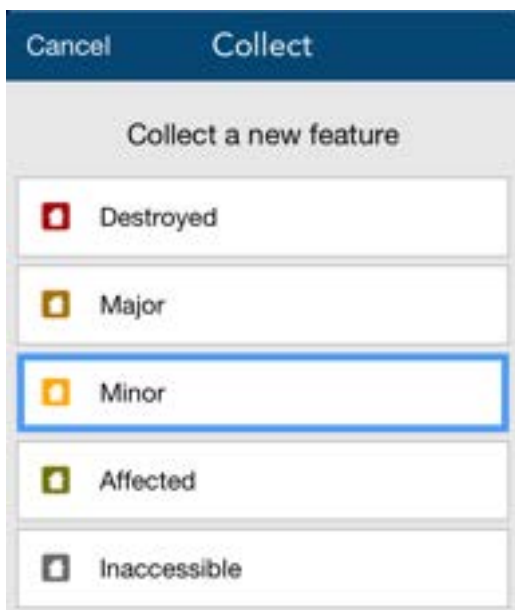
   The Collect New tab opens.

   Note:

   If you're working on an iPad, you do not have a Collect New tool on the toolbar nor a Collect New tab. Instead, you'll use the Collect a new feature panel on the right side of the screen.

2. Tap Minor to create a damage assessment for minor rain damage.

3. The Attributes tab displays, showing an intelligent data entry form. The contents of this form match what was authored as the pop-up window for the map.

4. Notice that the location of the damage has already been set based on your location. In the next step, you'll change that location by interacting with the map.

5. For this tutorial, assume that you can view the damage, but you're not at its location. Perhaps it's inaccessible due to other damage in the area. However, you still want the assessment report that you collect to be associated with the correct location. By default, Collector has used your location to set the collection location; you will now use the map and set a different location. Tap Map to view the current location.
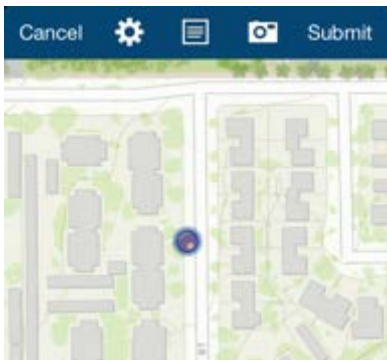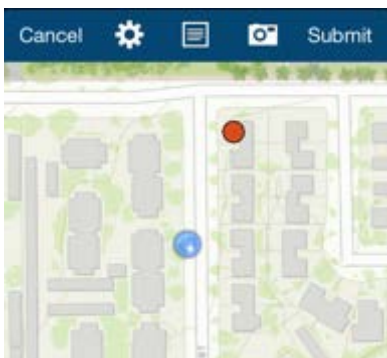

6. Tap elsewhere on the map—for example, on the first house at the north end of the street—to set a new location for the damage report.

The minor damage assessment moves to the tapped location.

Note:

To place the damage assessment more precisely, tap and hold to get a magnifier and use that to place the assessment.
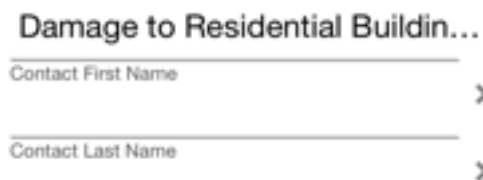

Provide damage information

With the location of the damage set, it's time to fill out the information requested in the form.

1. If you're still viewing the map, return to the Attributes tab by tapping Collect Attributes .

2. Provide information about your contact for the report. First, tap the arrow to the right of the Contact First Name field.
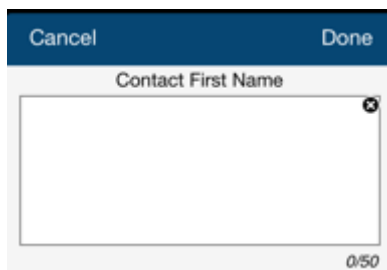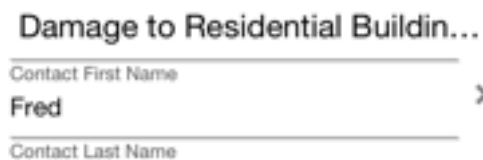
3. The Contact First Name page displays, showing a text box.

4. Type Fred in the text box. Tap Done. You're returned to the Attributes tab and the Contact First Name field is populated.

5. Repeat the previous step to provide a last name for the contact by specifying the Contact Last Name as Woods.

6. Provide information about the resident of the damaged building. First, tap the arrow to the right of the Owner/Occupant field.

7. The valid values for that field—Owner, Occupant, and Owner/Occupant—display. The choices come from the data, and the data-driven form improves data quality by assisting with information entry, making it impossible to enter an invalid value.
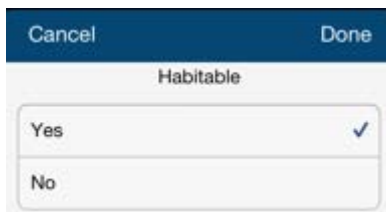

8. Tap Owner to select it and tap Done. You're returned to the Attributes tab and the Owner/Occupant field is populated.

9. Tap the arrow to the right of the Habitable field to edit its value.

The valid choices for that field—Yes and No—display.

Tap No to select it and tap Done. You're returned to the Attributes tab and the Habitable field is populated.

10. Continue to populate the fields of the form by tapping the arrow to the right of the field and either selecting or entering the information for the field, then tapping Done.

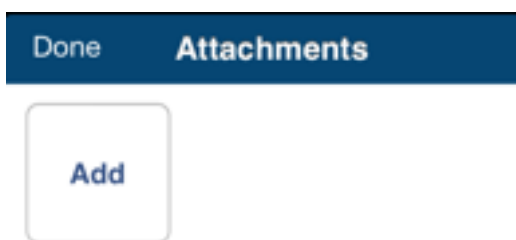Use the values as shown here or make up your own:

Add a photo

In the previous sections, you created a new damage assessment, set a location, and assessed the damage. Now you'll add an image of the damage as additional information for your report.

1. Tap Attachments on the toolbar.

2. The Attachments page opens.

3. Tap Add.

   The choices for getting your attachment display.

4. Tap Take Photo or Video .

   The camera opens on your phone.

5. Take a picture of the damage.

6. If you're happy with the picture, tap Use; otherwise, tap Retake to take a new picture.

   Once you accept an image, you're returned to the Attachments page, which now shows your damage picture.
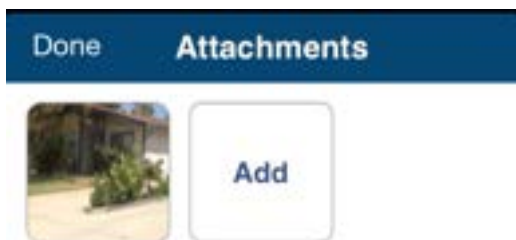
7. Tap Done to finish adding attachments.

   You're returned to the Attributes tab, and your photo is ready to be added to the damage assessment.

Save, share, and review the report

You have completed your report. Now save it, share it, and review it.

1. Tap Submit to save the assessment.

2. Messages indicate the changes are being submitted and notify you of the success.


3. You're returned to the map, and you can see the report you created. Since your edits were saved back to the server that has all the damage assessment data, your report is now shared with everyone using the map.

4. Tap your assessment.

   Information displays about the location you tapped, including an entry for your assessment. Swipe to the left or right on the result shown to view the other assessments (if any) at the location you tapped.
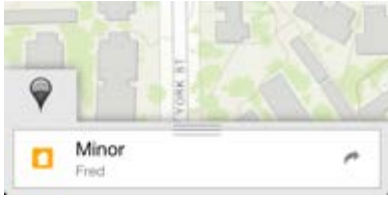
Note:

If you're working on an iPad, a panel on the right side of your screen will display the information about the location you tapped.
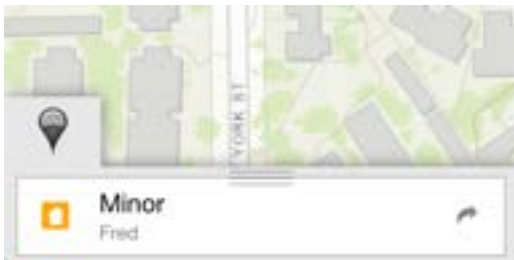
5. Pull the results tab to the top of the screen to view all the results as a list.

6. Drag the results tab back down to collapse it to a single result. Swipe back to your assessment. It's highlighted on the map when it appears in the results container.
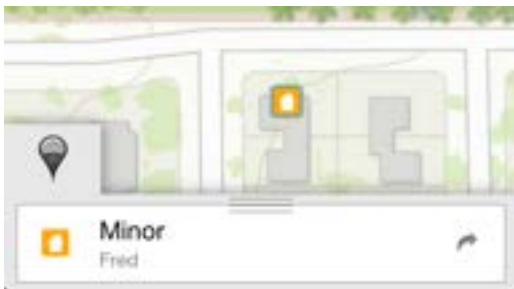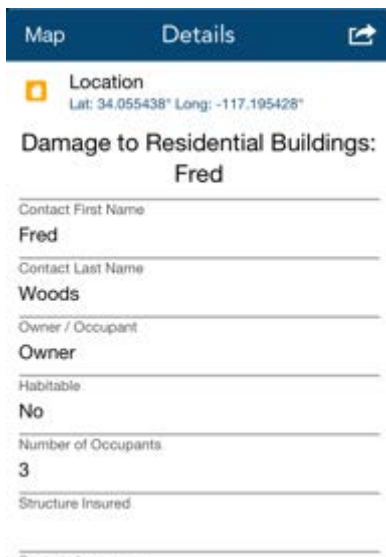

7. Tap the arrow to the right of it to see the actions you can take with it.

8. Tap Show details to see the information about your assessment.

   You can see the values you entered.

9. Scroll down to view the rest of the details and see your photo at the bottom of the details.


10. Tap the arrow to download the image and see a thumbnail.

Primary Cause of Damage

Photo2.jpg
72.0 KB

11. Tap the photo to view it, and tap Done to close it.

Done

Photo3.jpg

Retake   Preview   Use

12. The information is correct, so tap Map to dismiss the assessment details and return to the map.
13. Remove the list of results from the map by dragging the results tab to the right edge of the screen. As you drag, a garbage can appears. Continue to drag the tab to the garbage can to remove the results from the map.

Minor
Fred
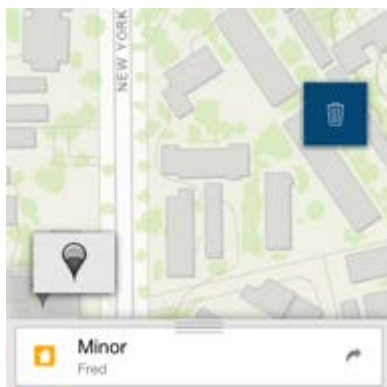
14. **Note:**
15. You are only deleting the list of results that was found when you tapped the map. You are not deleting the damage assessments from the map.

You collected a new damage assessment and included a picture with your report. You are now familiar with Collector. You are ready to use the app to collect data for your organization.