

# Fall Covey Count ArcGIS Collector Instructions

09/2019

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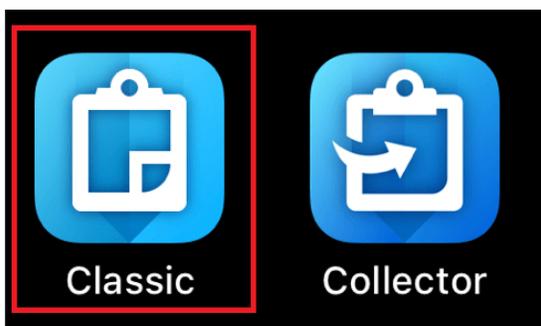
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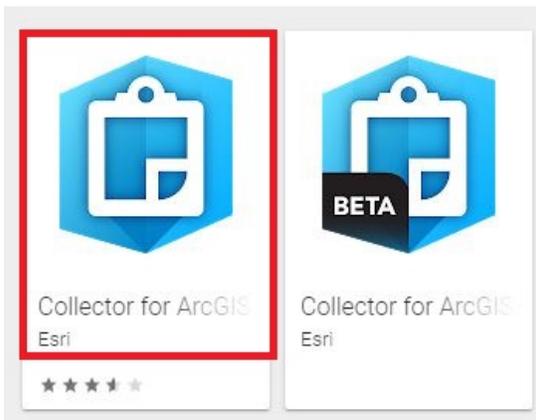
## Important Notes

- You may only use **ONE** method of data collection at any one time, either paper or Collector. You cannot have some people collecting on paper and some people collecting via the application during one survey date. If you use Collector during one survey date and then on the next survey date you use paper, that is ok.
- Download the correct app. On iOS this is called **Collector Classic** and there are different icons. On Android, the only differentiation is the icon; do not download the beta version.

### iOS Icons



### Android Icons



- If you will not have data connectivity in the field, **log in and download maps while in the office, before you go out. Stay logged in, do not sign out.**
- Distance and Time Detected fields are missing from the Covey Observation form. These will be calculated nightly on any new data that has been entered that day. This was done in effort to speed up collection in the case that you have many coveys to record at once.

## Logging into Your Collector Account

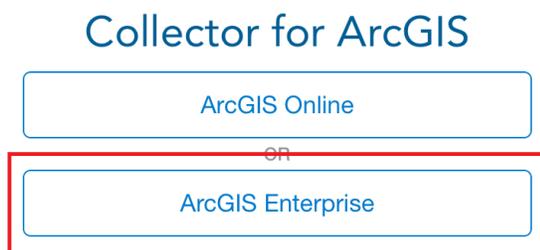
This section describes how to log in to the Collector app. There will be multiple different ways to log in depending on which type of account you're using.

### Using Your UTK Account (NetID and password)

Only state coordinators and other data entry personnel that have access to our data entry system on [quailcount.org](http://quailcount.org) will have one of these accounts. No seasonal techs or other state agency staff will have a UTK account (unless your state agency staff has access to quailcount as mentioned). Read the next section and if that section does not apply to you, move to the last section.

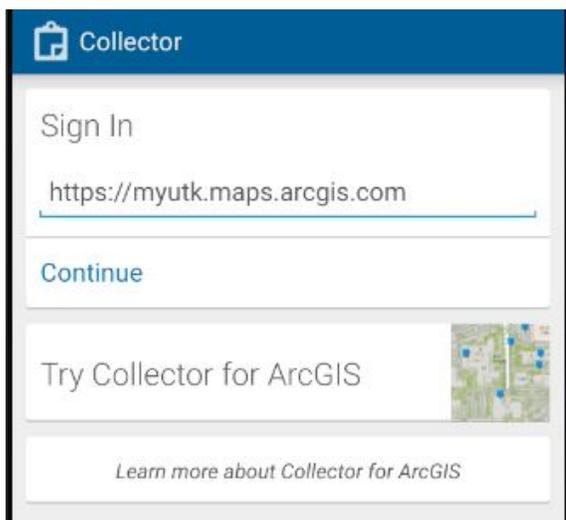
- 1) Open the Collector application
- 2) On iOS only, click "Enterprise Login." Android continue to step 3.

**iOS**

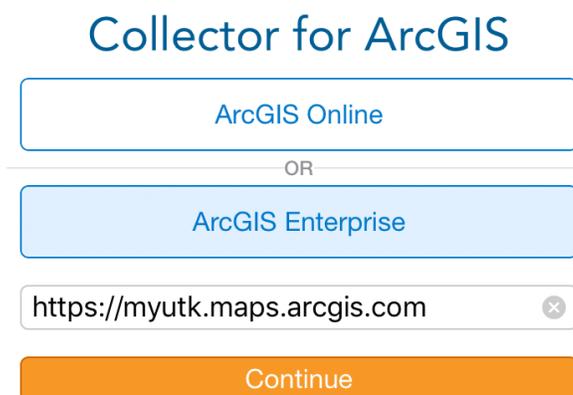


- 3) Enter the URL "https://myutk.maps.arcgis.com" and click "Continue."

**Android**



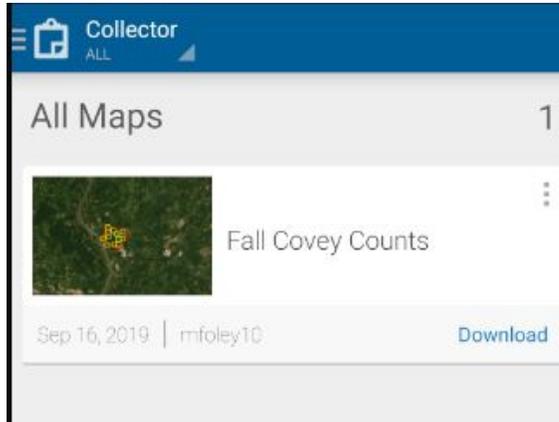
**iOS**



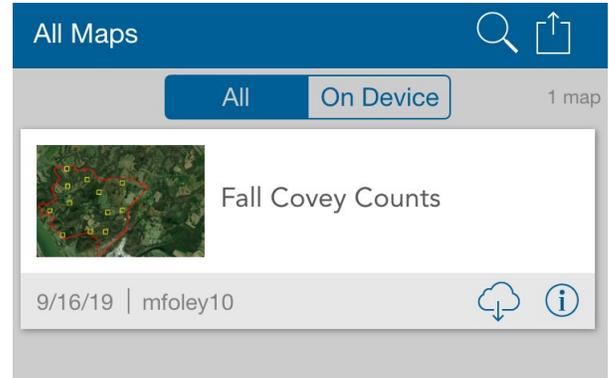
- 4) Click "University of Tennessee"
- 5) Enter your NetID and password (the same thing you use to log into the data entry application on [quailcount.org](http://quailcount.org)). Continue through the authentication like normal.

6) You will now see the maps available to you

### Android



### iOS

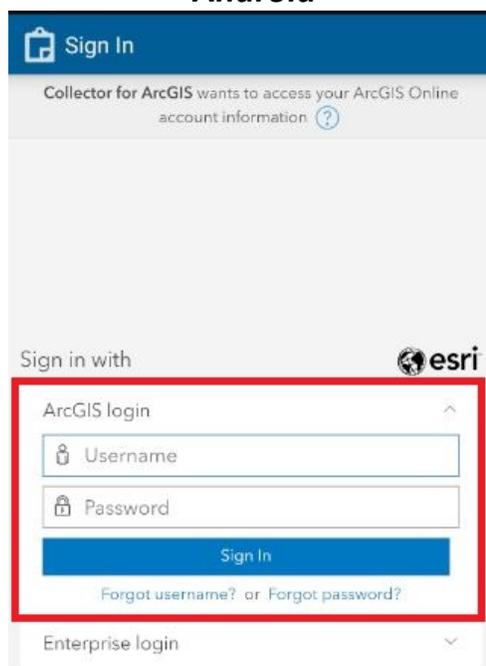


Using a UTK Volunteer Account ( <State>Collector1 or 2 and password)

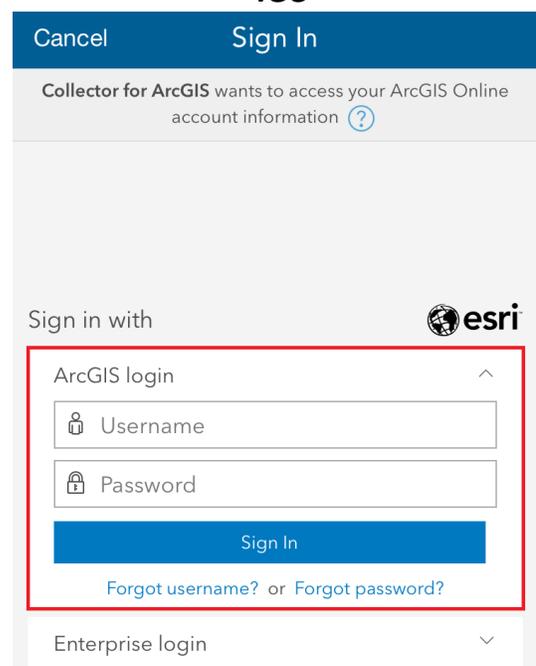
*Your state may not have one or two of these accounts; if not, move onto the next section. These accounts were only made for states where their GIS services were limited in some fashion and we could not obtain volunteer accounts through their agency. UTK does not allow me to have unlimited numbers of these types of accounts, thus it is preferable to use state agency accounts where possible.*

- 1) Open the Collector application
- 2) On iOS, click "ArcGIS Online." Then if not already expanded, click "ArcGIS Login." On Android, you will have to click "Continue" underneath the <http://www.arcgis.com> (leave the URL as is) before reaching this option.

### Android

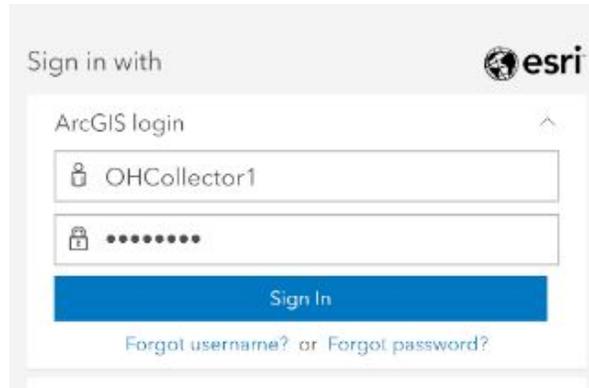


### iOS



- 3) Fill out the username and password and log in. Because these accounts were setup with UTK, it should be called something like this (replace the state with your own state's abbreviation): TNCollector1 or TNCollector2. The NBCI Data Analyst will tell you the password.

### ***Android and iOS***



Sign in with 

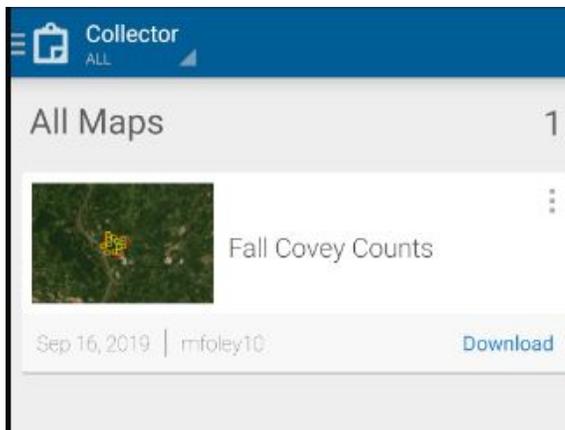
ArcGIS login

[Sign In](#)

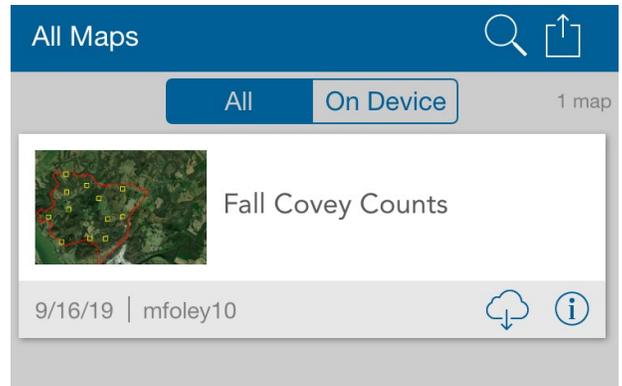
[Forgot username?](#) or [Forgot password?](#)

- 4) You will now see the maps available to you

### ***Android***



### ***iOS***

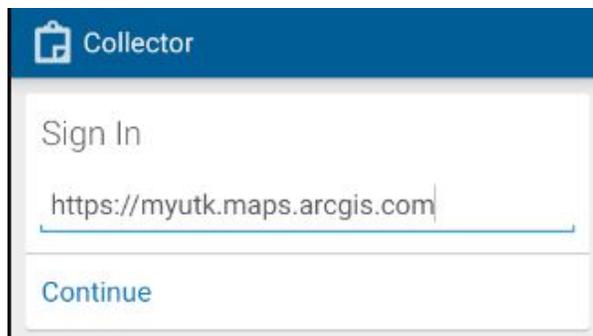


Using a State Agency Account (No affiliation with UTK accounts)

*You may need to speak with your GIS department to determine the relevant information to input when you log in. You will also need to tell the NBCI data analyst the username of these accounts before you will be able to see the maps, as they first need to be added to our group.*

- 1) Open the Collector application
- 2) If you are using an Enterprise login, continue to step 3. If you are using an ArcGIS login, continue to step 4.
- 3) On iOS – click Enterprise Login and fill out the appropriate URL supplied by your GIS department. Click “Continue.” On Android – fill out the appropriate URL supplied by your GIS department and click “Continue.”

**Android**



**iOS**



- a. Click your organization’s name that appears

**Android and iOS**



- b. Enter your state agency log in information and sign in. Continue to step 5.

- 4) On iOS – click “ArcGIS Online,” then, if not already expanded, click “ArcGIS Login.” On Android – click “Continue,” leaving the default URL shown. Then click “ArcGIS login.”

### Android

The screenshot shows the Android Collector app interface. At the top, there is a blue header with the Collector logo and the word 'Collector'. Below the header, the text 'Sign In' is displayed. A text input field contains the URL 'http://www.arcgis.com'. At the bottom of the sign-in area, a blue button labeled 'Continue' is highlighted with a red rectangular box.

### iOS

The screenshot shows the iOS Collector for ArcGIS interface. At the top, the text 'Collector for ArcGIS' is displayed. Below this, there are two buttons: 'ArcGIS Online' and 'ArcGIS Enterprise'. The 'ArcGIS Online' button is highlighted with a red rectangular box. Below the 'ArcGIS Online' button, the word 'OR' is centered. Below 'OR', the 'ArcGIS Enterprise' button is visible.

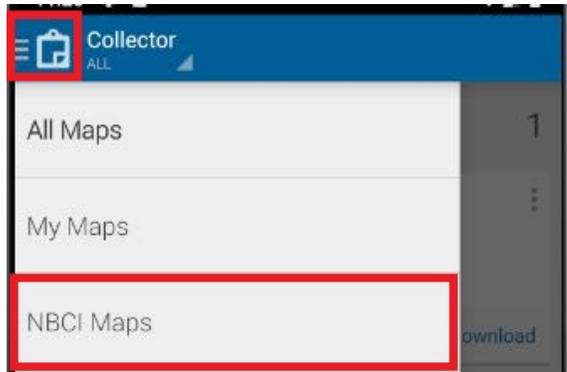
The screenshot shows the Android Collector app sign-in screen. At the top, there is a blue header with the Collector logo and the word 'Sign In'. Below the header, the text 'Collector for ArcGIS wants to access your ArcGIS Online account information' is displayed. Below this, the text 'Sign in with' is followed by the esri logo. Below the logo, there is a dropdown menu with 'ArcGIS login' selected. Below the dropdown, there are two input fields: 'Username' and 'Password'. Below the input fields, there is a blue button labeled 'Sign In'. Below the button, the text 'Forgot username? or Forgot password?' is displayed. At the bottom, there is a dropdown menu with 'Enterprise login' selected. The entire sign-in form area is highlighted with a red rectangular box.

The screenshot shows the iOS Collector for ArcGIS sign-in screen. At the top, there is a blue header with the text 'Cancel' and 'Sign In'. Below the header, the text 'Collector for ArcGIS wants to access your ArcGIS Online account information' is displayed. Below this, the text 'Sign in with' is followed by the esri logo. Below the logo, there is a dropdown menu with 'ArcGIS login' selected. Below the dropdown, there are two input fields: 'Username' and 'Password'. Below the input fields, there is a blue button labeled 'Sign In'. Below the button, the text 'Forgot username? or Forgot password?' is displayed. At the bottom, there is a dropdown menu with 'Enterprise login' selected. The entire sign-in form area is highlighted with a red rectangular box.

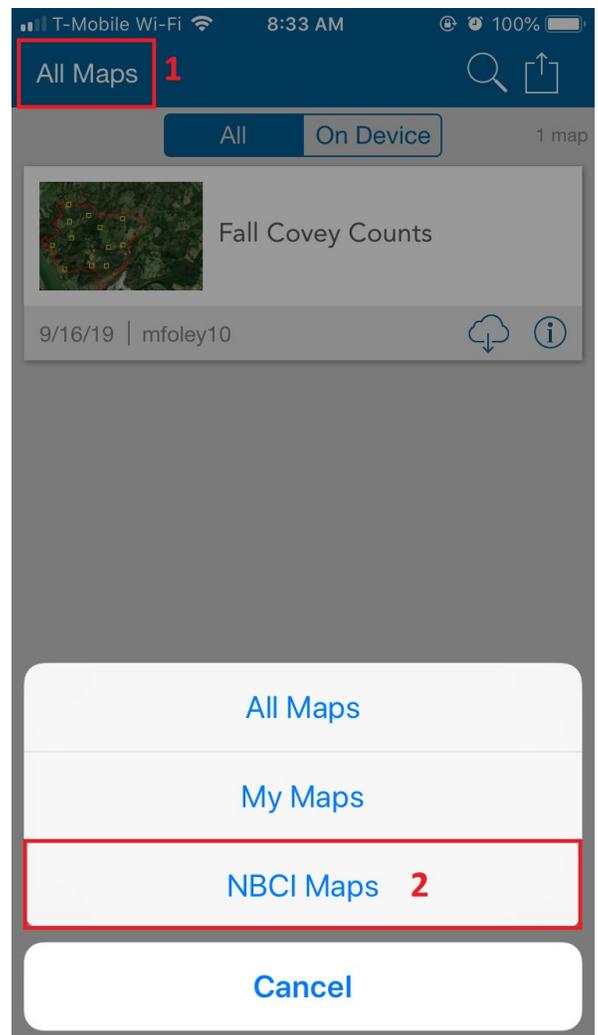
- a. Enter your state agency log in information and sign in

- 5) After logging in, you will either see the map on your screen, or if you have a lot of maps in your organization, you may want to filter down just to our group. To do this, click the menu denoted by the Collector icon or “All Maps” button, depending on your OS. Click “NBCI Maps.” You will now see the appropriate maps appear.

### *Android*



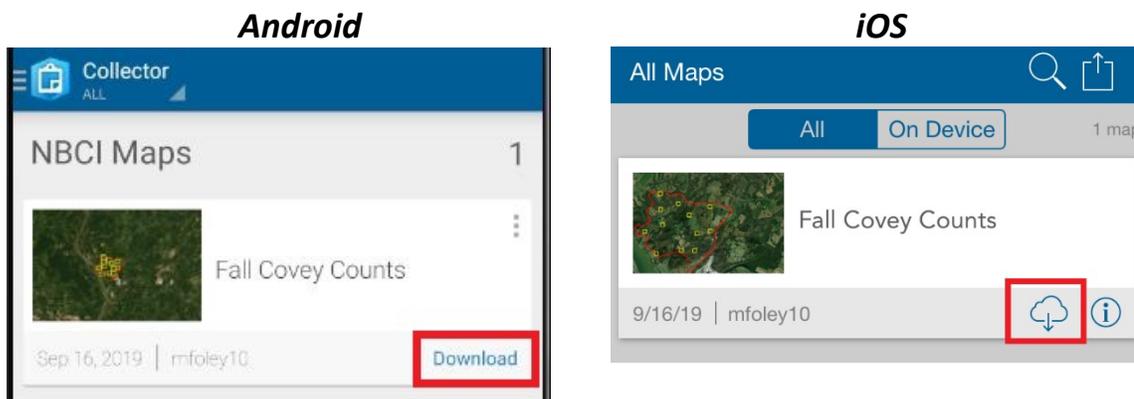
### *iOS*



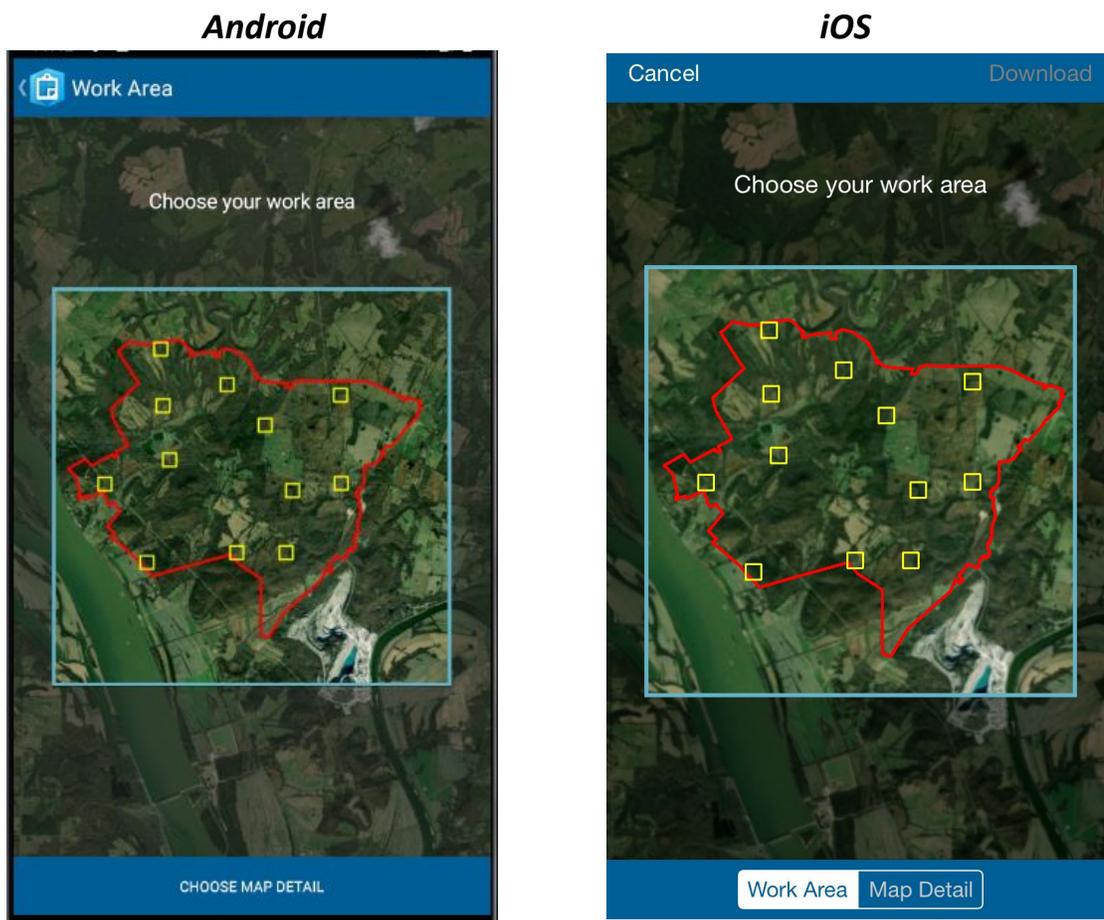
## Downloading the Map to Your Device

This section explains how to download the map to your device in the case that you will not have data connectivity in the field.

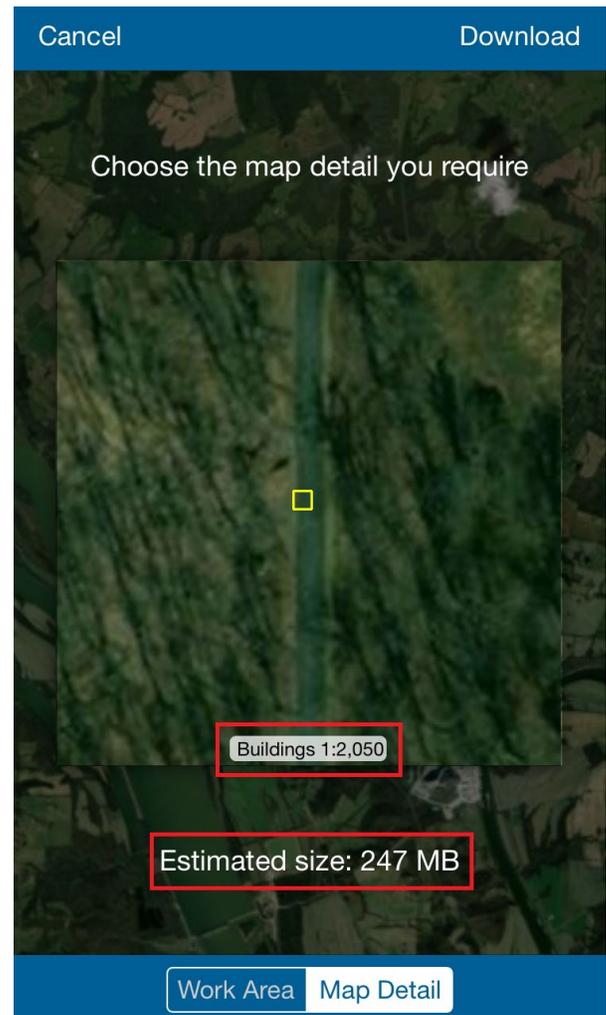
- 1) Click the “Download” button or the cloud icon depending on your iOS



- 2) Choose your work area by zooming in or out depending on how much area you want to cover. You could download your entire focal area or you could download just the points you are surveying that day



- 3) After setting your work area, click “Map Detail” or “Choose Map Detail.” Zoom in to your desired level of detail on the map. The further you zoom in, the more accuracy you are likely to have when placing your points during the survey. You will see a scale on the screen that says something “City 1:85200.” If your focal area is relatively remote, you will likely be able to get down to “Building” scale; watch the “Estimated size” as well when you’re zooming in. Aim for at least 50 to 300 mb if possible.

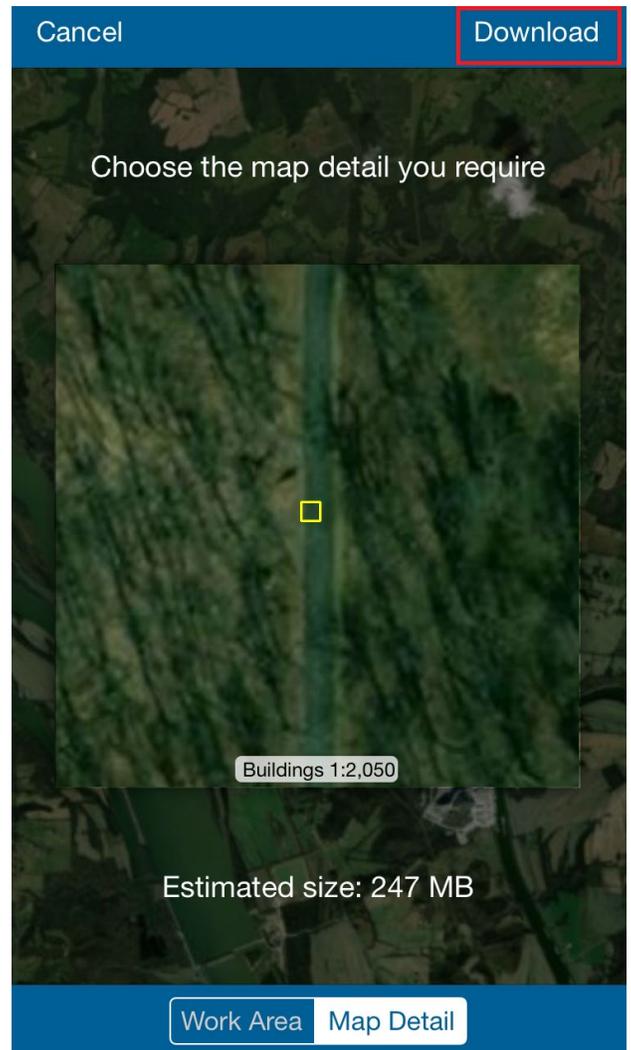
**Android****iOS**

- 4) After you are finished setting the map detail, click “Download.” You will see a progress bar. Be patient; depending on your wifi connection and how big your map is, this may take a while, maybe even 10 minutes.

### *Android*



### *iOS*



- 5) Your map is now ready to use offline.

## Collecting Field Data

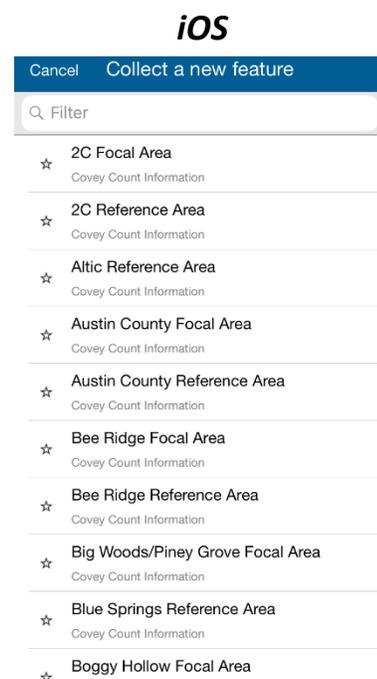
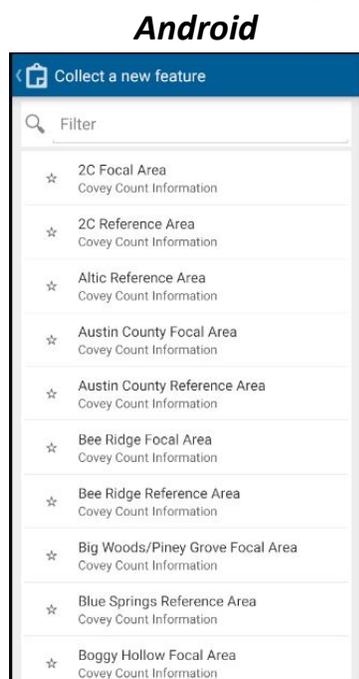
*This section covers how to record covey count data and covey observation data using Collector.*

### Collecting Covey Count Information

- 1) Open your live or downloaded map
- 2) Monitoring points are represented a yellow boxes. Zoom in as necessary. Walk as close to the center of the yellow box as you can get, you should see a blue dot that represents you (GPS won't be exact so you'll probably be off some).
- 3) Click the plus sign to begin collecting data about your covey survey



- 4) Click the focal area you're collecting data for

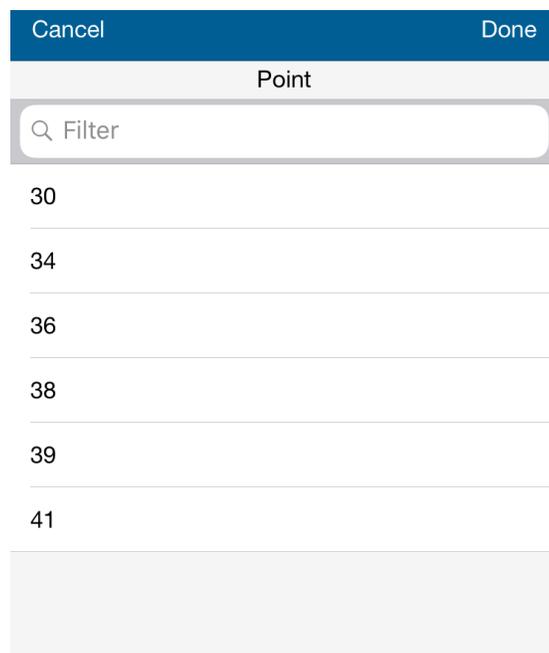


- 5) Fill out the form appropriately. Click the various attributes to change their values.
- The "Point" field will show a list of your fall survey points for the focal/reference area you have selected.

**Android**

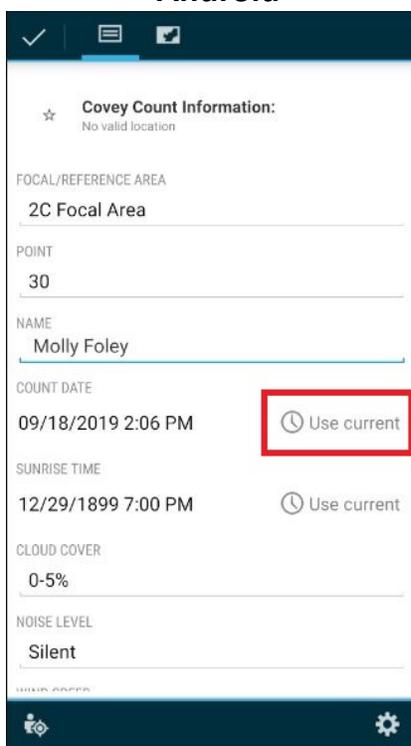


**iOS**

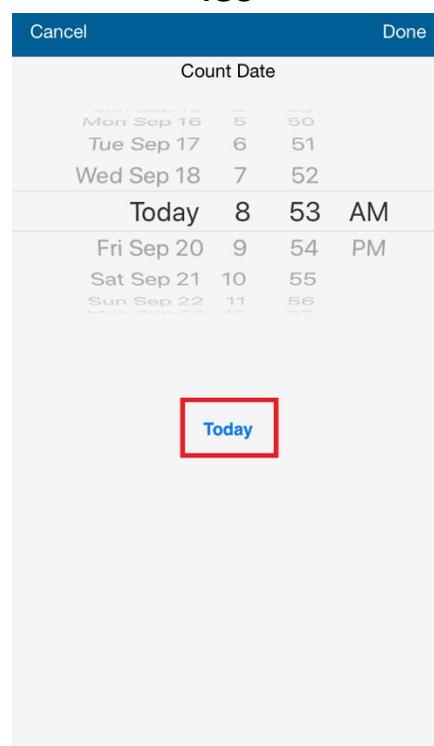


- "Count Date", "Sunrise Time", and "Start Time" have a convenient "Today" or "Use Current" button that will automatically set it to the current date and time.

**Android**

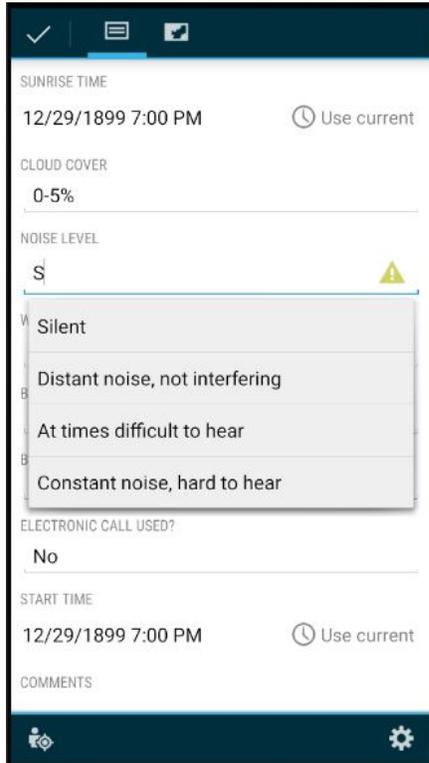


**iOS**

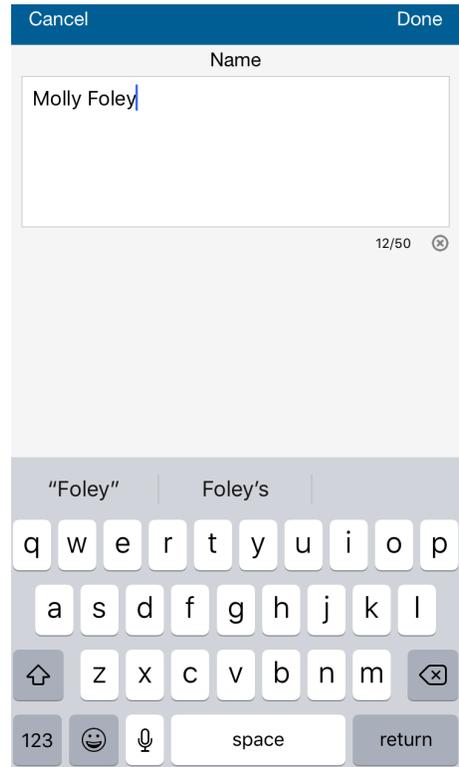


c. Other fields are pick lists or text boxes for you to fill out.

**Android**

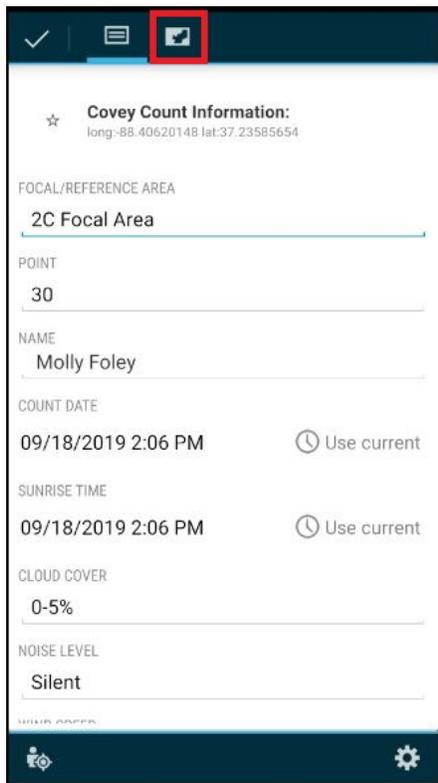


**iOS**

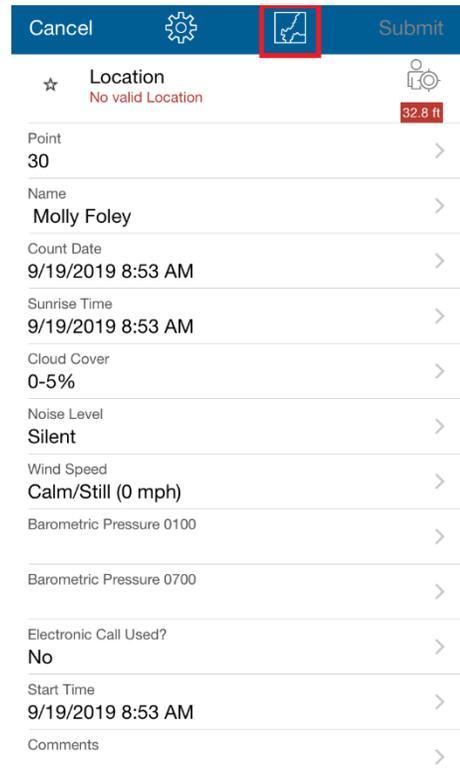


6) Click the map icon.

**Android**

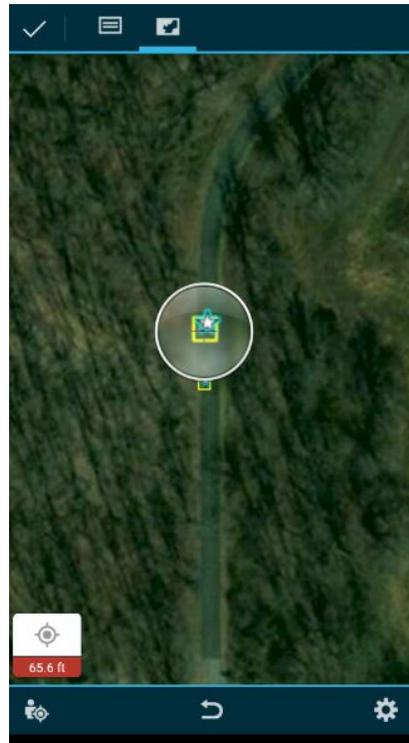


**iOS**



- 7) On the map, place a point by tapping on the screen. The point should be on top of your current position inside the yellow box. You can press and hold on the screen and a magnifying glass with a crosshair in the middle will appear to help you place your point more precisely.

### **Android**



### **iOS**



- 8) Click "Submit" or a check mark icon

### **Android**



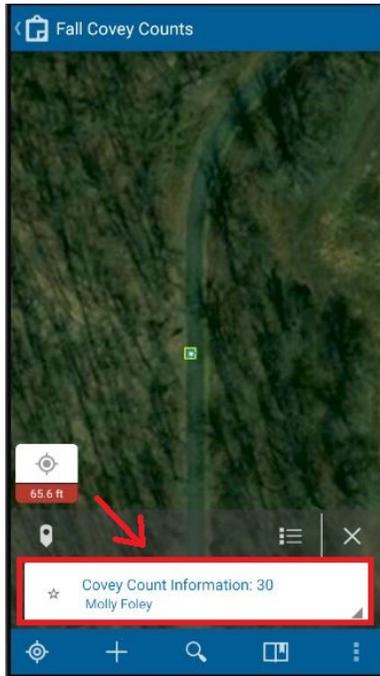
### **iOS**



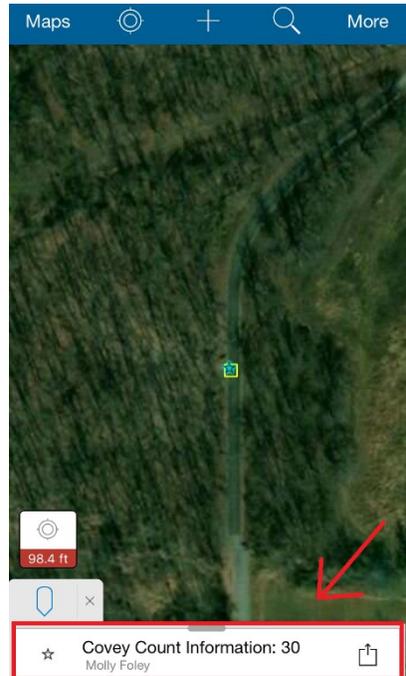
Collecting Covey Observation Information

- Now that you have started your survey, click the record that appears of the covey count information point you just placed.

**Android**

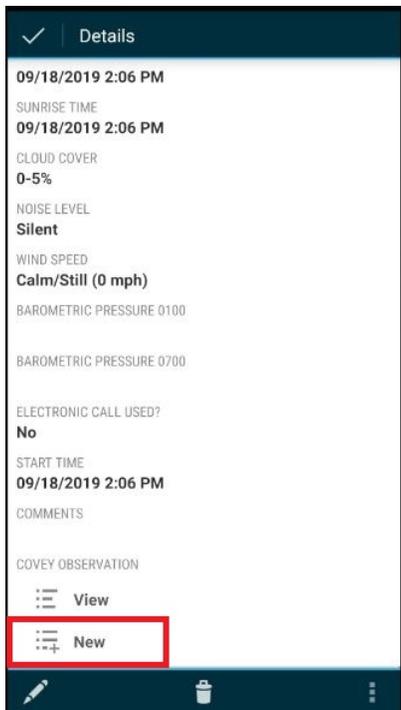


**iOS**

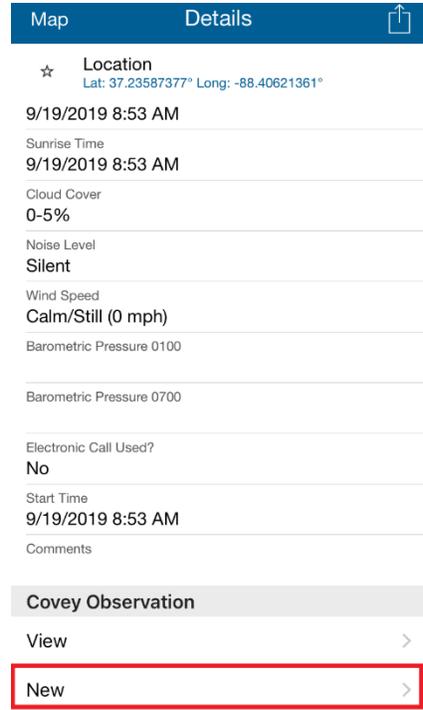


- The menu pops up that shows all the attribute information you just added to the count. Scroll to the bottom and click "New"

**Android**



**iOS**



- 11) Enter the appropriate information in the relevant fields. Please note, it is imperative you map as many coveys as possible, so if you multiple calling at once, you may just go straight to the map icon, place your point and submit. You can then come back and fill in the appropriate information later.

### *Android*

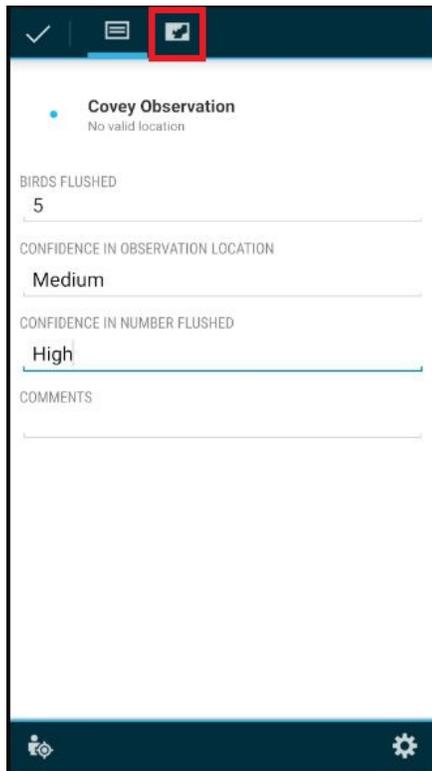
The screenshot shows the Android application interface for a 'Covey Observation' form. At the top, there is a dark blue header with a checkmark, a list icon, and a share icon. Below the header, the title 'Covey Observation' is displayed with a sub-note 'No valid location'. The form contains several input fields: 'BIRDS FLUSHED' with the value '5', 'CONFIDENCE IN OBSERVATION LOCATION' with the value 'Medium', and 'CONFIDENCE IN NUMBER FLUSHED' with the value 'High'. There is also a 'COMMENTS' section with a text input area. At the bottom, there is a dark blue footer with a location icon and a settings gear icon.

### *iOS*

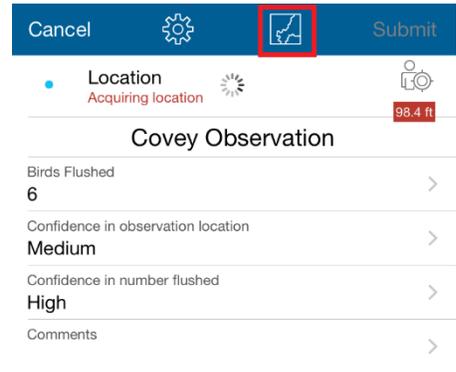
The screenshot shows the iOS application interface for a 'Covey Observation' form. At the top, there is a dark blue header with 'Cancel', a settings gear icon, a map icon, and 'Submit'. Below the header, the title 'Covey Observation' is displayed. The form contains several input fields: 'Location' with a red dot and the text 'Acquiring location', 'Birds Flushed' with the value '6', 'Confidence in observation location' with the value 'Medium', 'Confidence in number flushed' with the value 'High', and 'Comments'. At the bottom right, there is a red box with the text '98.4 ft'. At the bottom, there is a dark blue footer with a location icon and a settings gear icon.

12) Click the map icon

**Android**



**iOS**



13) Place your point. You can press and hold on the screen and a magnifying glass with a crosshair in the middle will appear to help you place your point more precisely.

**Android**



**iOS**



14) Click "Submit" or a check mark icon



15) On iOS, repeat steps 9 - 14 to continue to collect observations. On Android, steps 10 – 14.

## Editing or Deleting Data

This section cover editing or deleting data if you've made mistakes or need to change an attribute value.

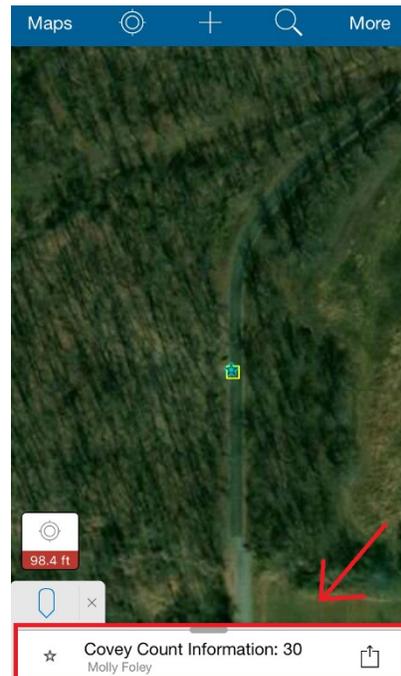
### First Method

- 1) From the map view, select the point (either covey count info or your covey observation point) you want to edit or delete and click the record of your point that appears.

#### Android

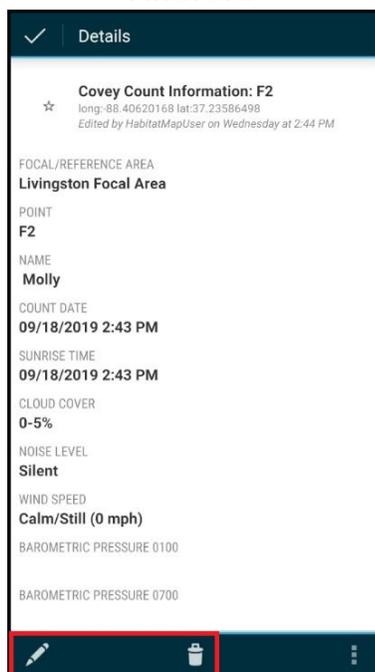


#### iOS

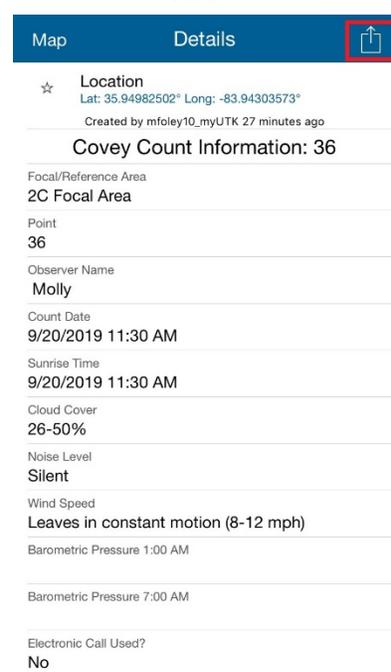


- 2) Android – Click the pencil icon for editing or the trash can icon for deleting.  
iOS – click the box/arrow icon and then click “Edit” or “Delete.”

#### Android

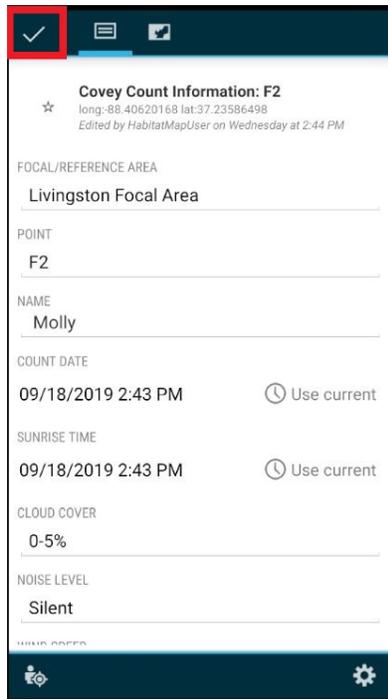


#### iOS

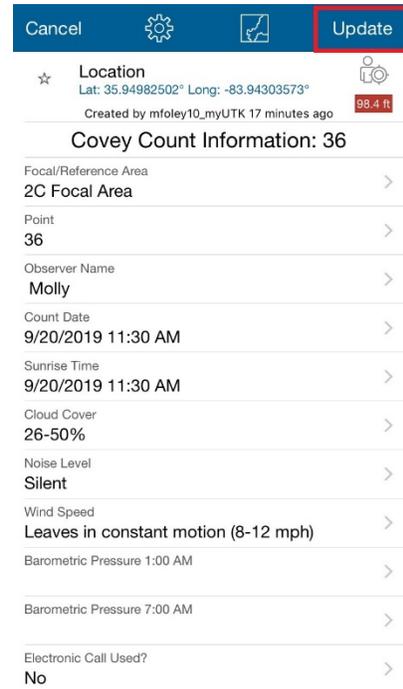


- 3) If editing, fix the information or move the point to a new location (after clicking the map icon).
- 4) Submit by clicking the check mark icon or "Update"

**Android**



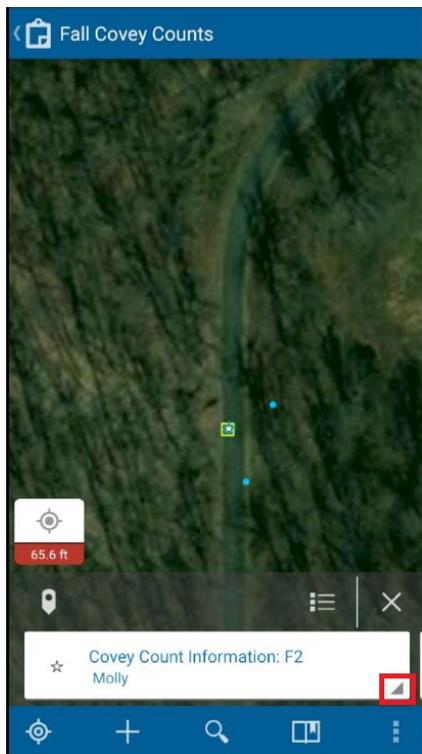
**iOS**



**Second Method**

- 1) Click the small gray triangle or the box/arrow icon on the covey count information record

**Android**

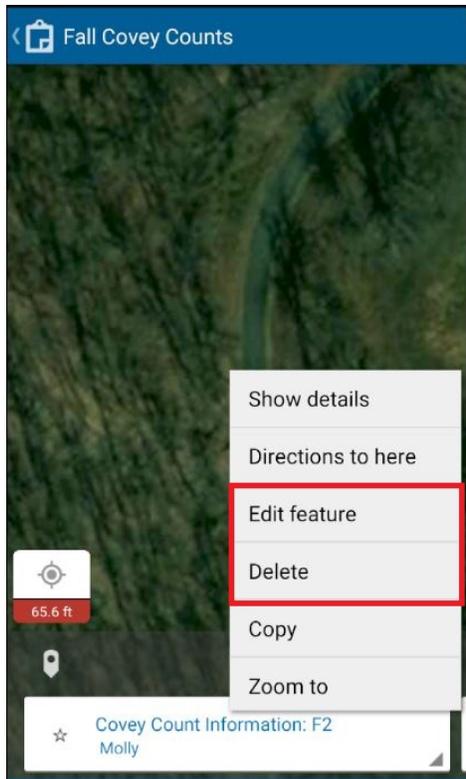


**iOS**

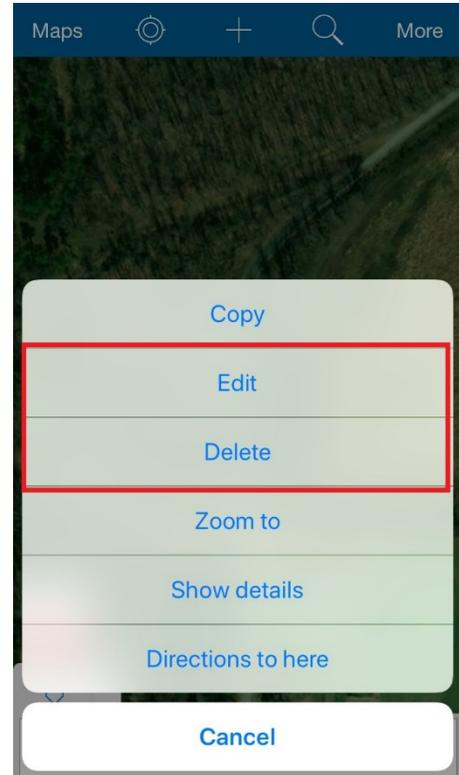


- 2) Click Edit Feature, Edit, or Delete based on your OS.

### **Android**



### **iOS**



- 3) If editing, fix the information or point location on the map (after clicking the map icon), then submit via the check mark icon or "Update" button (see screenshots in first method).

## Submitting (Syncing) Your Data

This section covers submitting your data when you have collected while offline (using a downloaded map).

### Live Map Submittal

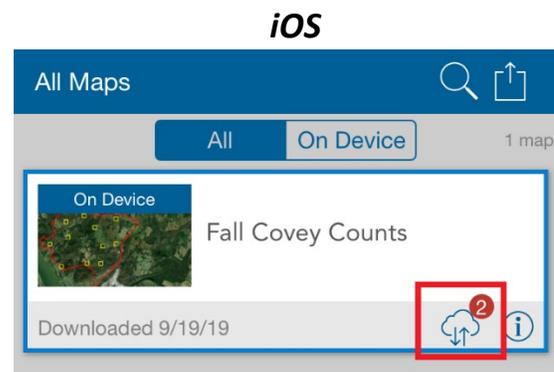
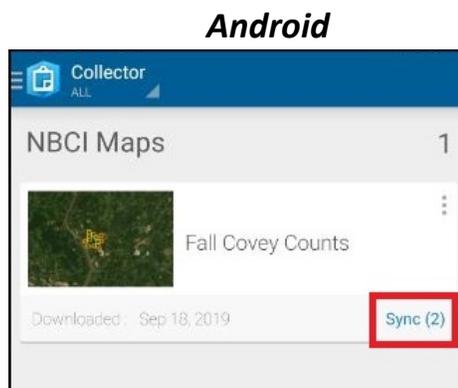
- You're done! All your edits/additions are synced immediately to the database

### Downloaded Map Submittal

- When you've completed collecting data, go back to your maps homepage by clicking "Maps" or the name of the map ("Fall Covey Counts")

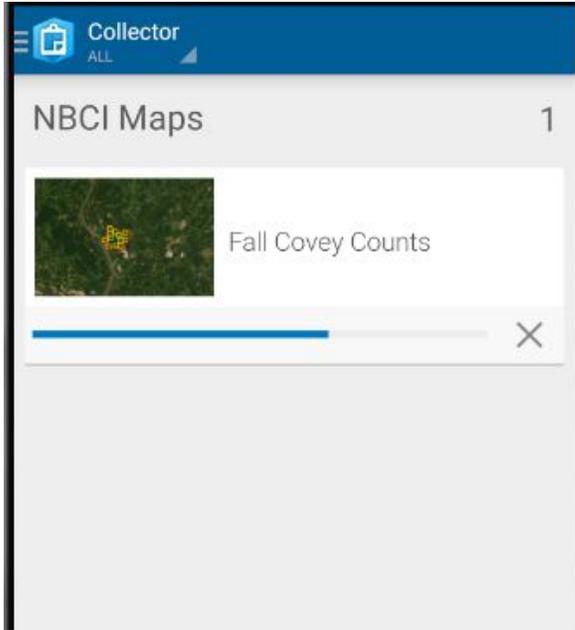


- Click "Sync" or the cloud icon with a red dot. You will see a value that represents how many edits you made to the map.



- A progress bar will appear. Once it's done, your edits have been successfully added to the database.

**Android**



**iOS**

