

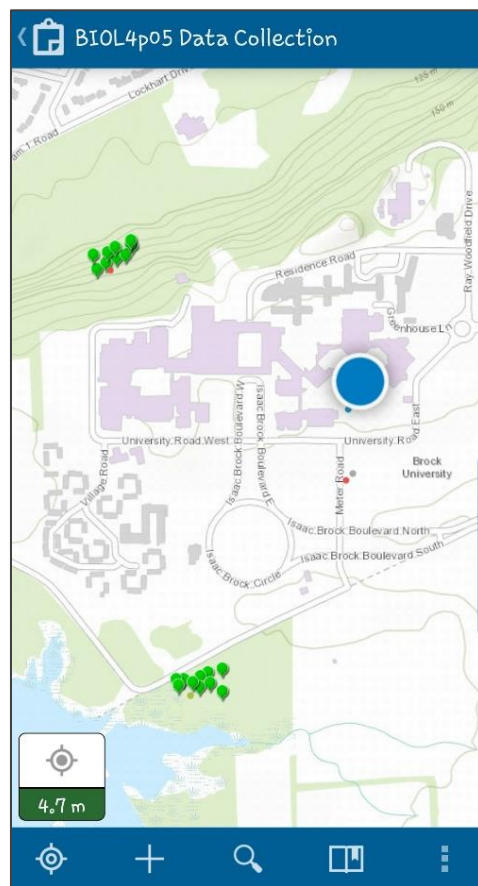
Using Collector for ArcGIS

Collector for ArcGIS is a geospatial app used for field data collection. The following steps provide a brief workflow for using the technology. The app may be downloaded from iTunes and the Google Play app store.


Before starting, install the Collector for ArcGIS app and have your ArcGIS Online Organizational account sign in information handy.

On your mobile device, ensure the location option is turned on. NOTE: This software will use mobile data if you are outside of a WIFI zone.

1. **Open Collector for ArcGIS** app and login to ArcGIS Online. A map has been created with layers for capturing tree sample data.
2. Tap the map titled **BIOL4P05 Data Collection**. Your screen will appear different depending on your device. The following images were captured using an Android.



3. To capture a data point, tap the plus sign. A prepared form appears prompting you for details about that data point.

4. Under Common Name, tap <No value> to access a dropdown showing acceptable entries. (NOTE: on my android I had to click the toggle button  to access the full list of names).

5. Enter the rest of the details available through the form.


A screenshot of a mobile application interface for recording tree data. The form has a dark blue header with a checkmark, a list icon, and a map icon. The main content area is white with a light blue border. It contains the following fields:

- trees**: A title field with a small asterisk icon.
- long:-79,24681602 lat:43,11888861**: A coordinate field.
- COMMON NAME**: A label above a text input field containing "Oak".
- DIAMETER**: A label above a text input field containing "15".
- CANOPY**: A label above a text input field containing "healthy".
- NOTES**: A label above a text input field.
- ATTACHMENTS**: A label above a list area.

The bottom of the screen has a dark blue bar with three icons: a camera, a paperclip, and a gear.

- To attach a photo of the study area, tap the paperclip attachment button and select camera to capture an image in the field. Click OK to accept the image.


A screenshot of the mobile application interface showing the attachment selection dialog. The dialog is a white box with a blue header that says "Add attachment from". It has two buttons: "Camera" with a camera icon and "Gallery" with a gallery icon. The background is a dimmed version of the form from the previous screenshot.

- The entry is complete. Now tap on the map icon  to pin the record to the map.

A screenshot of a mobile application interface for recording tree data. The form has a dark blue header with a checkmark, a list icon, and a Twitter icon. The main content area is white with a light blue border. It contains the following fields:

- trees**: A label with a small blue dot icon.
- long:-79,24681602 lat:43,11888861**: A text field showing coordinates.
- COMMON NAME**: A section header.
- Oak**: A text input field.
- DIAMETER**: A section header.
- 15**: A text input field.
- CANOPY**: A section header.
- healthy**: A text input field.
- NOTES**: A section header with a text area below it.
- ATTACHMENTS**: A section header.
- attachment1.jpg**: A thumbnail image of a tree trunk with a measurement tape.
- Downloaded**: A text label below the thumbnail.

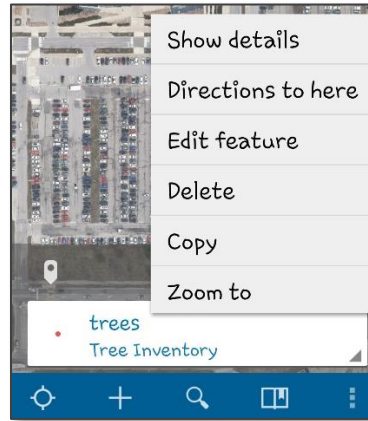
The bottom of the screen has a dark blue bar with three icons: a person with a gear, a plus sign, and a gear.

8. Tap the waypoint averaging button  and if the accuracy is acceptable, tap the checkmark to submit the entry. The best accuracy I found was 2.4 metres.



9. Alternately, you can tap anywhere on the map to manually select the location.

10. To delete a point on the map, tap the point (make sure it's the one you want to delete) and click the small triangle to the right of the popup to access the context menu. Click **Delete**.
11. You can also tap **Edit Feature** to move the feature to a different location. Simply tap on the map to select a new location then tap the checkmark to save the changes.



Small triangle to access context menu

Additional Help:

Quick Reference iPad/iPhone <https://doc.arcgis.com/en/collector/ipad/help/quick-reference.htm>

Quick Reference Classic Android <https://doc.arcgis.com/en/collector-classic/ios/collect-data/quick-reference.htm>

Contact maplib@brocku.ca or sjanzen@brocku.ca for further assistance.