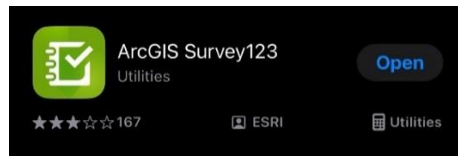**MapMyShore Tutorial**

MOBILE APP

MapMyShore is a mobile field app that enables the community to identify and map the type and location of tidal shoreline features observed along Virginia's tidal waterways. By using MapMyShore, you will play a key role in maintaining and updating Virginia's Shoreline and Tidal Marsh Inventory, contributing to a more accurate and comprehensive resource for everyone.

This tutorial briefly explains how to use the **MapMyShore** Mobile App designed to collect shoreline survey information in the field.
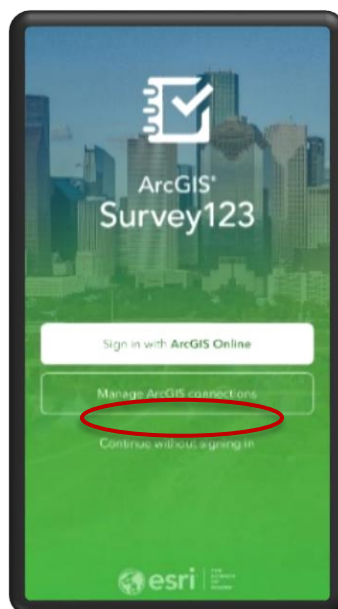
Download ArcGIS Survey123 App

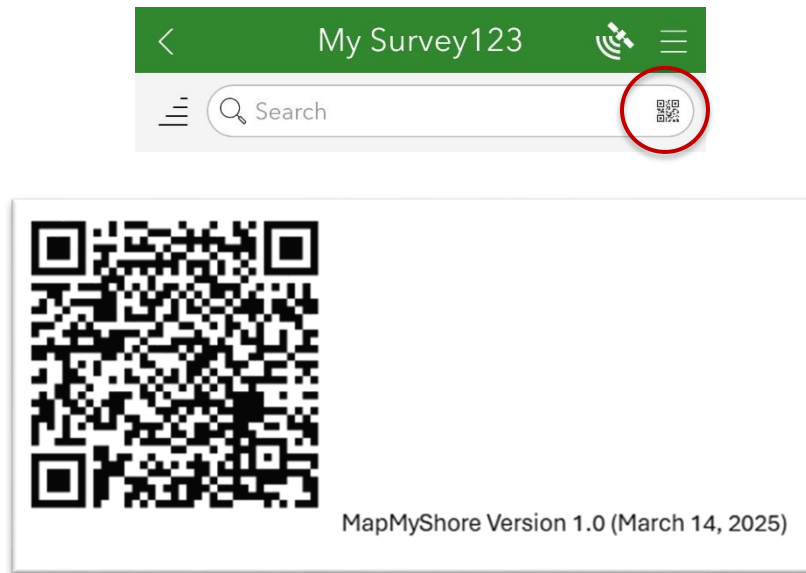- Go to your App Store/Google Play and search for ArcGIS Survey123.

- Download the app onto your mobile device.

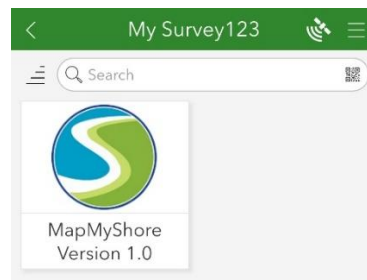**Add the "MapMyShore" Survey (Only needs to be done once):**

- Open the ArcGIS Survey123 app.
- On the opening page, tap "Continue without signing in".

- Tap the QR code on the right side of the search bar to open your QR scanner. Then scan the MapMyShore QR code provided by VIMS below to access the MapMyShore survey.
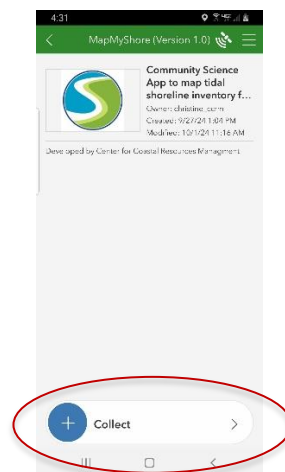

MapMyShore Version 1.0 (March 14, 2025)

- Tap "MapMyShore Version 1.0" to open the survey.

- After downloading **MapMyShore**, the survey will remain accessible from your MySurvey123 home page, until it is removed.
- Before using the app again, make sure to check for updates. If you don't see an automatic 'Updates Available' message, simply pull down on your screen from the top to refresh.
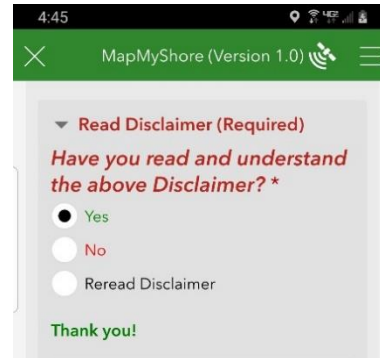
Open Survey

To start the process of collecting data, tap the "Collect" button at the bottom of the screen

To Get Started

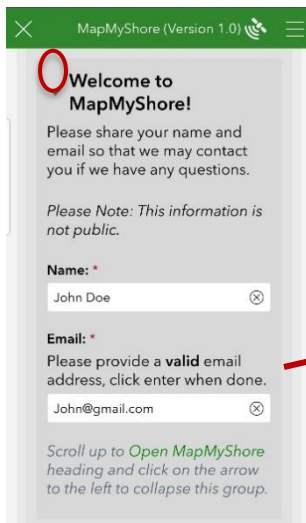- Click "Open MapMyShore" to reveal the disclaimer and start entering survey information.

- Read the disclaimer and click "Yes" to proceed.

- Click "*Reread Disclaimer*" to review it again, then select "Yes" to proceed.
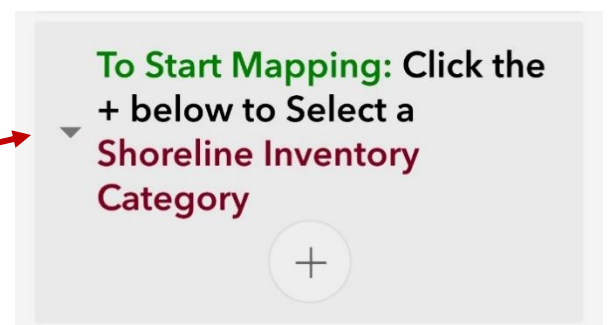
- After you confirm reading the disclaimer, scroll down to enter your name and email address. These are required to use **MapMyShore.**

- Enter your name and valid email address, then click Enter or Done when complete. Your name and email information will not be made public.

TIP: Collapse Welcome section by scrolling up to *Open MapMyShore*. Tap the arrow to the left. (*The arrow to the left of all sections in the app to hide or expand the sections*).

- "**To Start Mapping**:" should appear automatically after your name and email address are typed in.
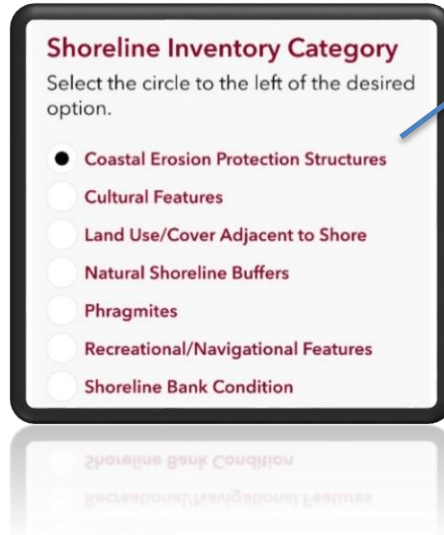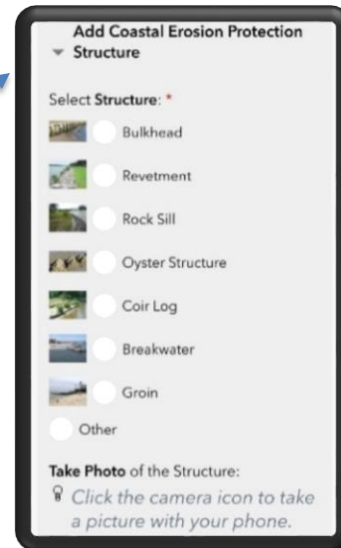
What Shoreline Features to Survey

- New and existing types of shoreline features can be surveyed using **MapMyShore**. These features are organized by **Shoreline Inventory Category**.
- First select the main **Category**, then choose from a list of **features** in each Category.
- Survey only one feature at a time. Repeat the survey for each feature.

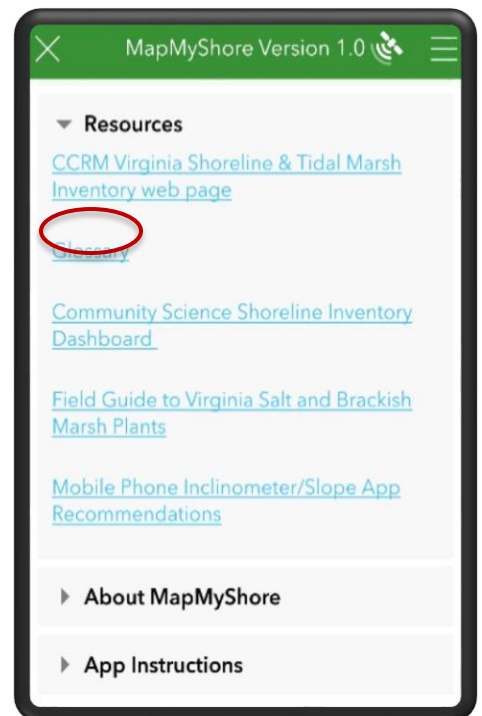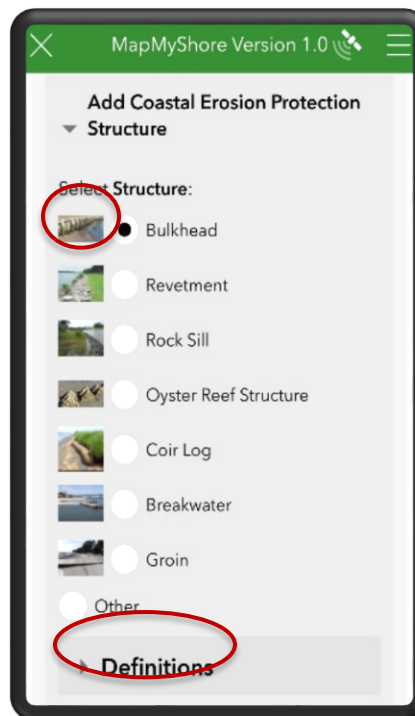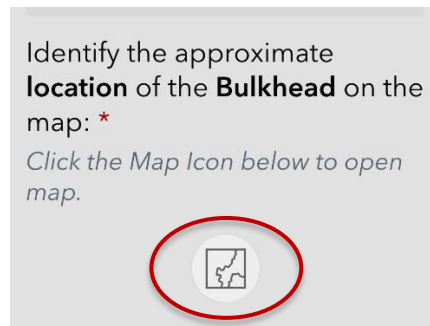| SELECT FIRST Shoreline Inventory Category	THEN CHOOSE FROM List of Features
Coastal Erosion Protection Structures	Bulkhead Revetment Rock Sill Oyster Reef Structure Coir Log Breakwater Groin Other
Cultural Features	User Defined Man-Made or natural feature important to a community Examples include: Archaeology – Historic Sites Waterfront Cemeteries Sentimental Places & Trees
Natural Shoreline Buffers	Tidal Marsh Beach Dune
Phragmites	Phragmites
Recreational/Navigational Features	Boat House Boat Ramp Community Pier Jetty Marina Pier/Dock Wharf Other
Land Use/Cover Adjacent to Shoreline	Agricultural Industrial/Commercial Paved Residential

Shoreline Bank Condition	Bank Height
	    0-5 ft
	    5-15 ft
	    15-30 ft
	    >30 ft
	
	Bank Slope
	    Flat
	    Low Slope
	    Moderate Slope
	    Steep Slope
	    Very Steep Slope

Features in the Category:

EXAMPLE

Help is Available

- Tap thumbnail to view **photo**
- **Definitions** and **Glossary** available
- Feature Definitions will appear under "**Definitions**" and also in a Glossary link under "Resources".
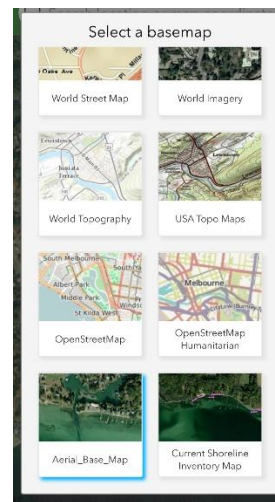
Locate Feature on Map

- Each shoreline feature inventoried must be located on a map. This is required.

- Scroll down to the map icon and click on it to open the map. **MapMyShore** is GPS enabled so your feature should be located in the map area. *(Note: If the Category has a feature list, this icon will not be visible until a feature is selected above.)*

Basemap Gallery

An aerial image is the default background. Change the basemap by clicking on the Basemap Gallery icon at the top of the map tools.

"Current Shoreline Inventory Map" displays coastal protection structures only

The map should open to your current GPS location. **There may be a pause while the GPS location is found.**

- You can zoom to your location by clicking on the GPS icon anytime it appears.

- To zoom in or out on the map, use two fingers and pinch to zoom out or separate your fingers to zoom in.

- To move the map, use one finger and drag across the screen.
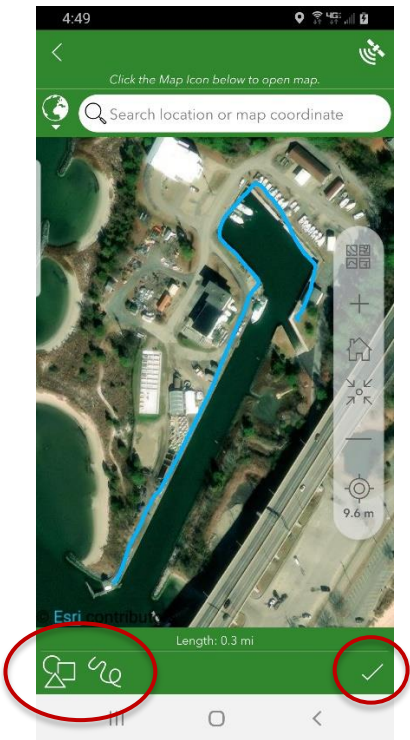
Draw Lines & Trace Areas

- Go to the feature location on the map. Drawing icons will appear automatically based on the Category. Some will be represented by lines and areas. Others will be mapped with a point

Drawing Symbol	Shoreline Inventory Category
Lines & Shapes Freestyle	Coastal Erosion Protection Structures Land Use/Cover Natural Shoreline Buffers Phragmites Shoreline Bank Condition

- Use your finger tip to draw a line or area that estimates the approximate position on the map. General estimates are all that is necessary.

Select shapes to insert straight lines or standard shapes around the target feature.

Use freestyle to sketch custom lines or areas around target feature.
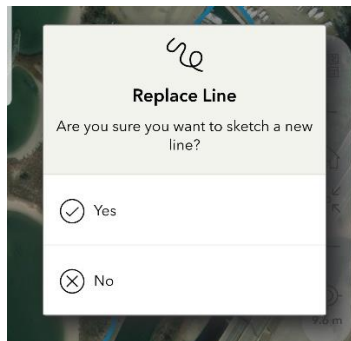

Tap check mark to finish drawing.

- The drawing icon will flash while selected. Tap again to turn off drawing tool.

- Tap check mark to finish drawing.

- To replace a drawing, tap or again to start over. Follow prompt to Replace feature and start over with a new drawing.

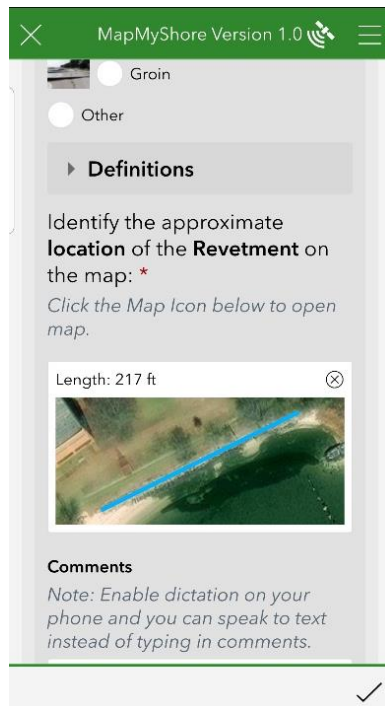- Select Undo to return to previous drawing.

Map a Point Feature

Drawing Symbol	Shoreline Inventory Category
Points	Cultural Features Recreational / Navigational Features

Move map under the pin to the approximate location
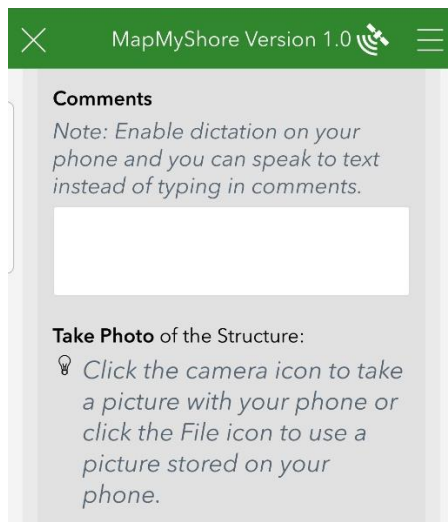
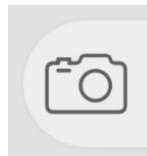Tap check mark to finish point

Add Feature Description

A map of the feature should show up under "Identify the approximate location of *feature name* on the map."

Scroll down to add more information about this feature.

- Add Comments and Take Photo(s) to further explain why the feature is being surveyed.
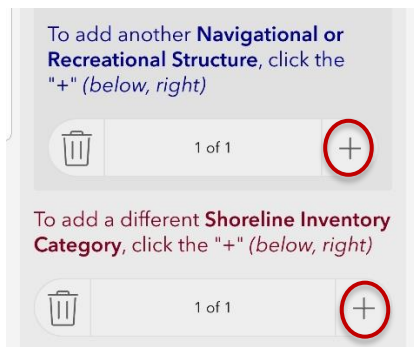

Talk-to-text enabled comments

Use camera to take photo(s)

REPEAT THE MAPPING PROCESS FOR EACH SHORELINE FEATURE INCLUDED IN A SURVEY
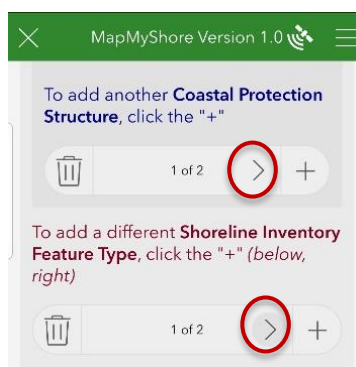
Add Multiple Features

- Scroll down under photo section to add more features to the Current Survey.
- To add another feature in the same Category, look for the blue text.
- To add another feature in a different Category, look for the red text.

To add another **Navigational or Recreational Structure**, click the "+" (below, right)

Click here to add another feature in the <u>same</u> category

To add a different **Shoreline Inventory Category**, click the "+" (below, right)

Click here to add another feature in a <u>different</u> category

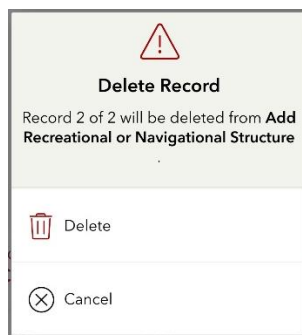- The number of features surveyed is counted in "1 of x". Each one is displayed on the map above.

Click the trash can icon to delete a feature
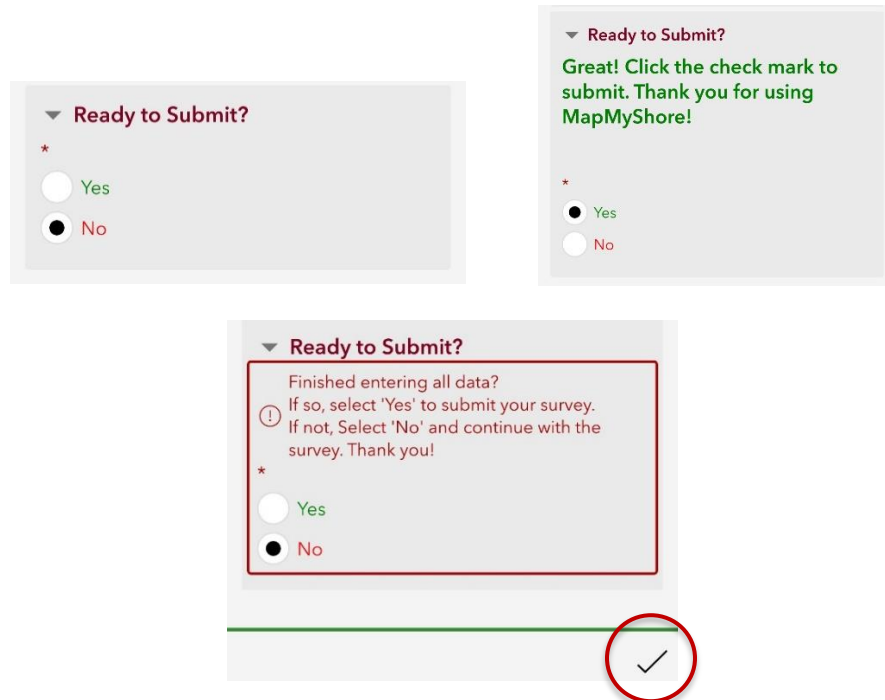
Click arrows to view surveyed features

Deleting Features & Photos

- To delete a feature, scroll through the features to find the one to delete. Click the trash can icon.

- To delete any photos you have added, click the trash icon beside the photo you want to delete from your submission. This only deletes photos from the Survey123 app, It will not delete the photo from your phone.
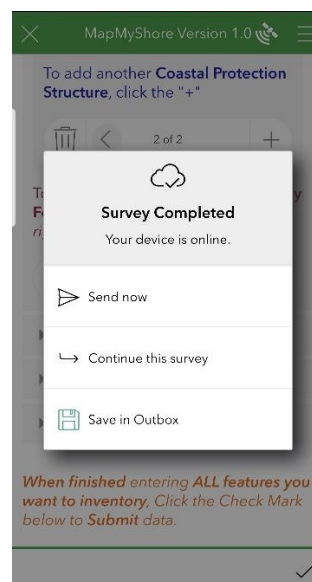
Submit Survey

- When you are finished entering **all** features in a survey area, select Ready to Submit OR tap the check mark at the bottom right corner. A Ready to Submit confirmation message will open.
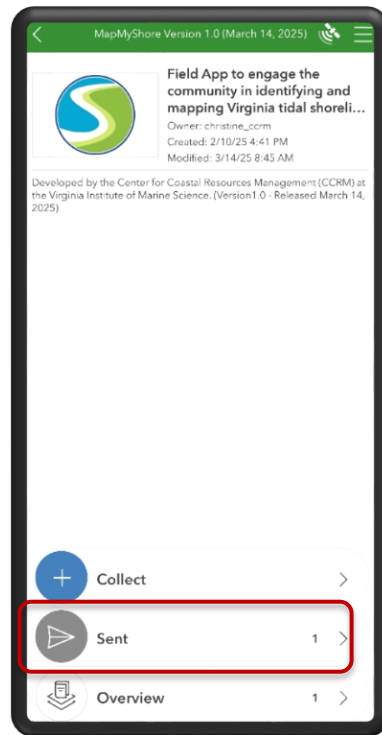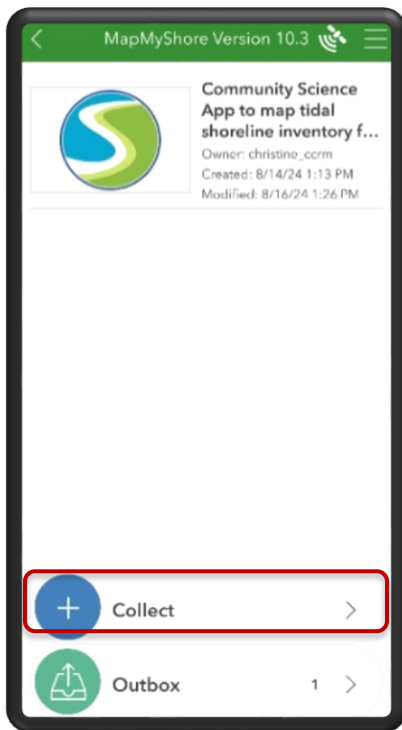
- Tap the check mark in the lower right corner to submit the survey.

- Any missing required fields will be flagged. Fill in any missing information. Tap the check mark again.

- Click "Send Now" to submit your survey to VIMS.

- Select "Continue this survey" to return to the survey in progress.

- Select "Save in Outbox" to save entries and continue adding information later.

- If you saved your survey in the outbox, you can access it from the starting screen. Instead of "Collect" click on "Outbox".

- Surveys that did not successfully submit with Send Now will also be stored in the outbox. Simply go into the outbox and edit/send the survey when you can.
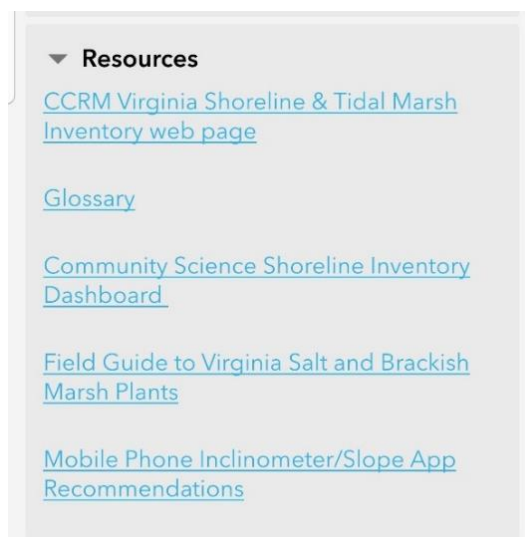
- **Sent** surveys can be found in the Sent folder.

- The **Overview** folder located below the Sent Folder allows you to find your Sent surveys by a list with the date or by location. A point will be located on a map. Clicking on the point will open the survey conducted at that location.

All submittals will be reviewed by CCRM to determine official inclusion into the shoreline inventory data.

Resources

- Expand the "Resources" tab for links to outside resources that will open in a separate browser window.

- CCRM Virginia Shoreline & Tidal Marsh Inventory web page
  - A link to the current Virginia shoreline and tidal marsh inventory by CCRM

- Glossary
  - Contains the definitions of terminology used in the MapMyShore survey.

- Community Science Shoreline Inventory Dashboard
  - A link to the statistics gathered from users' participation in the MapMyShore app

- Field Guide to Virginia Salt and Brackish Marsh Plants
  - A link to a resource for identifying Virginia's salt and brackish marsh plants.

- Mobile Phone Inclinometer/Slope App Recommendations
  - Recommended apps to measure the slope of a shoreline bank.

About MapMyShore

- Find information about the app version, background, and partnerships.

- Contact information is provided to answer questions about the survey or the Shoreline Inventory

- Email CCRM ccrminfo@vims.edu or call (804) 684-7273

App Instructions

- Find a link to this mobile app tutorial.