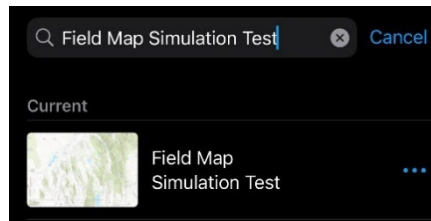


Using Field Maps for Bannock County Emergency Management

This tutorial is designed to acquaint you with the Field Maps App developed to support the Bannock County Wildfire Hazards project for Bannock County, Idaho. The data collected with this app will be incorporated into the [Bannock County Hazards Experience Builder](#) in real time. We recommend taking the time to complete this tutorial before an emergency arises so you will be able to fully use its capabilities when needed. In addition, we welcome your input and ideas to make this app better able to support emergency management decisions.

1. To complete this tutorial, you need to download the Field Maps app from the App Store or Google Play Store. It's free and works correctly as long as you have an ArcGIS Online account.
 - a. Open the app on your mobile device.
 - b. Log in using your credentials.
2. Once Field Maps opens on your smart phone you should see a screen that shows all maps available to you and a search bar. Locate the Field Map Simulation Test to test the functions of our field map (HINT: In the search bar at the top of your screen, type Field Map Simulation Test).



- a. The Field Map Simulation Test is for testing and learning the functions/features of field maps. In a real emergency event, be sure to use the Emergency Events Field Map. It is identical to the simulation test map we are using here, but intended to be used for real-time situation mapping.
 - b. It is very important that you use the Field Map Simulation Test when testing and the Live Field Map when during an actual emergency or event.
3. Let's practice adding point data to the online map.
 - a. Touch/click the blue Collect button from the bottom right of your screen.



- b. You will see a list the features you can collect and we will begin by collecting a point feature. Your options include:
 - Aerial Hazard
 - Airstrip or Airport
 - Camp
 - Drop Point
 - Fire Origin
 - Fire Station
 - First Aid Station
 - Heat Source

- Helibase
- Helispot
- Hot Spot
- Incident Base
- Incident Command Post
- Lookout
- Miscellaneous
- Mobile Weather Unit
- Mud Pit
- Repeater
- Retardant Pickup
- Safety Zone
- Spot Fire
- Staging Area
- Telephone
- Unknown
- Water Source
- Wind Speed
- Other

- Click the Spot Fire feature type
- You will be prompted to enter a name for this specific feature/event.
- Provide notes for your collection considering the information you think other people might need to know. For this tutorial you can simply type **Point Test**.
- Next, select the date/time field in the onscreen form. In most instances, you will be collecting a feature or observation made NOW, and in this case, you can simply click the Today link. Alternatively, you can select the date and time you want associated with the collection.

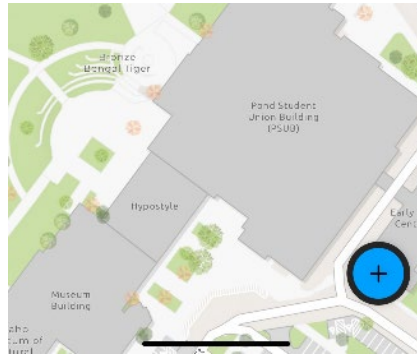
The screenshot shows a mobile application interface for data collection. At the top, there are three buttons: 'Cancel', 'Collect', and 'Submit'. Below these is a map showing a location labeled 'Test Point' with coordinates 42.861166°N 112.432860°W. The form contains several fields: a text input for 'Test Point' (containing 'Test Point'), a dropdown for 'POINT_EVENT_TYPE *' (set to 'Camp'), a text input for 'NOTES' (containing 'Test notes'), and a 'DATETIME' section. The 'DATETIME' section has a date picker set to '10/14/25' and a 'Today' link. Below the date picker is a calendar for 'October 2025' with the 14th highlighted in blue. The calendar shows days of the week (SUN to SAT) and dates from 1 to 31.

- Lastly, click submit from the top right of the screen.

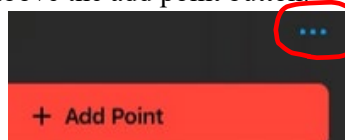
Once your collection has been successfully submitted these data will be automatically added to the Bannock County Hazards Experience Builder web maps and available for everyone to view. If you are currently using the Experience

Builder, you may have to refresh the page to see the new submission, although the field map layers automatically refresh in the experience builder site every 15 minutes.

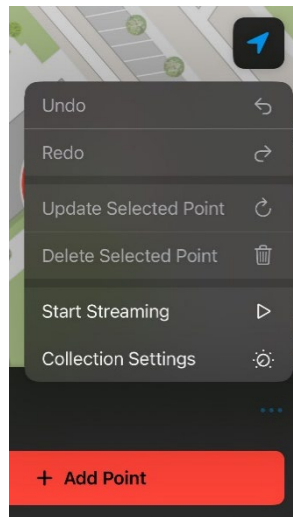
4. Next, let's collect line data and add it to the map. These features might be the perimeter of a spill or the track of a bulldozer used to cut a firebreak.
 - a. You can collect line and polygon/area features in a very similar way. We will walk through it now.
 - b. Let's start with a line feature. Once again click the blue **Collect** button from the bottom right of your screen.



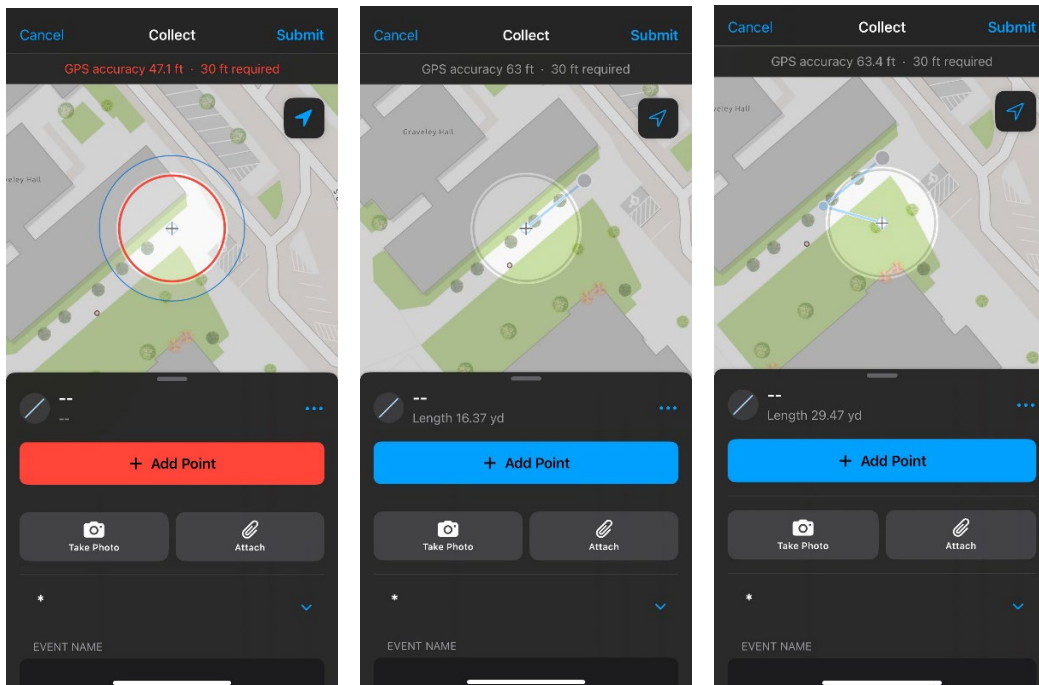
- c. You will see a list of features you can collect.
 - Aerial Hazard
 - Air Tanker Foam
 - Air Tanker Retardant
 - Completed Dozer Line
 - Completed Line Break
 - Fire Spread Prediction
 - Hand Line
 - Heat Line (IRIN)
 - Helitanker Foam
 - Helitanker Water
 - Other
 - Planned Fire Break
 - Planned Fire Line
 - Planned Secondary Line
 - Plow Line
 - Proposed Dozer Line
 - Ridge / Geographical Feature
 - Uncontrolled Fire Edge
 - Unknown
 - Explosive Line Break
- d. Scroll down through the line features and choose **Proposed Dozer Line**
- e. You can now start adding points along the line. Try adding two more points to your line feature by either walking (streaming mode) along the desired line or by placing points on the screen with your finger.
- f. You will find using streaming mode to collect data points in the field to be quite easy. To use this capability:
 - i. Select the three dots above the add point button.



ii. Select Start Streaming.

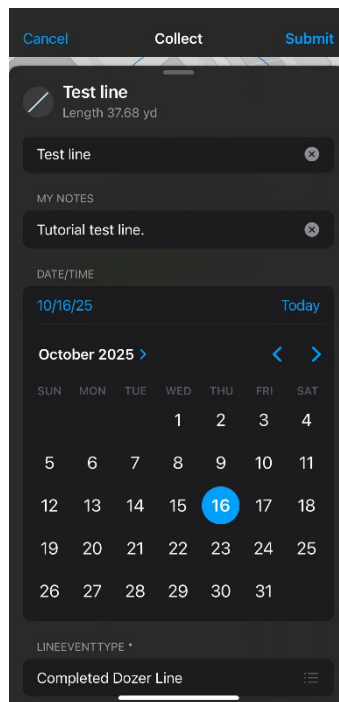


iii. By default, the app will collect a point every 10 ft. you travel, or for whatever collection settings you set (this can be done from the same menu using **Collection Settings**).



g. To stop collecting points, select the stop streaming button and scroll down to the attributes section.
NOTE: Make sure to scroll down and complete all fields.

- h. When finished, click the submit button in the upper right corner of the screen.

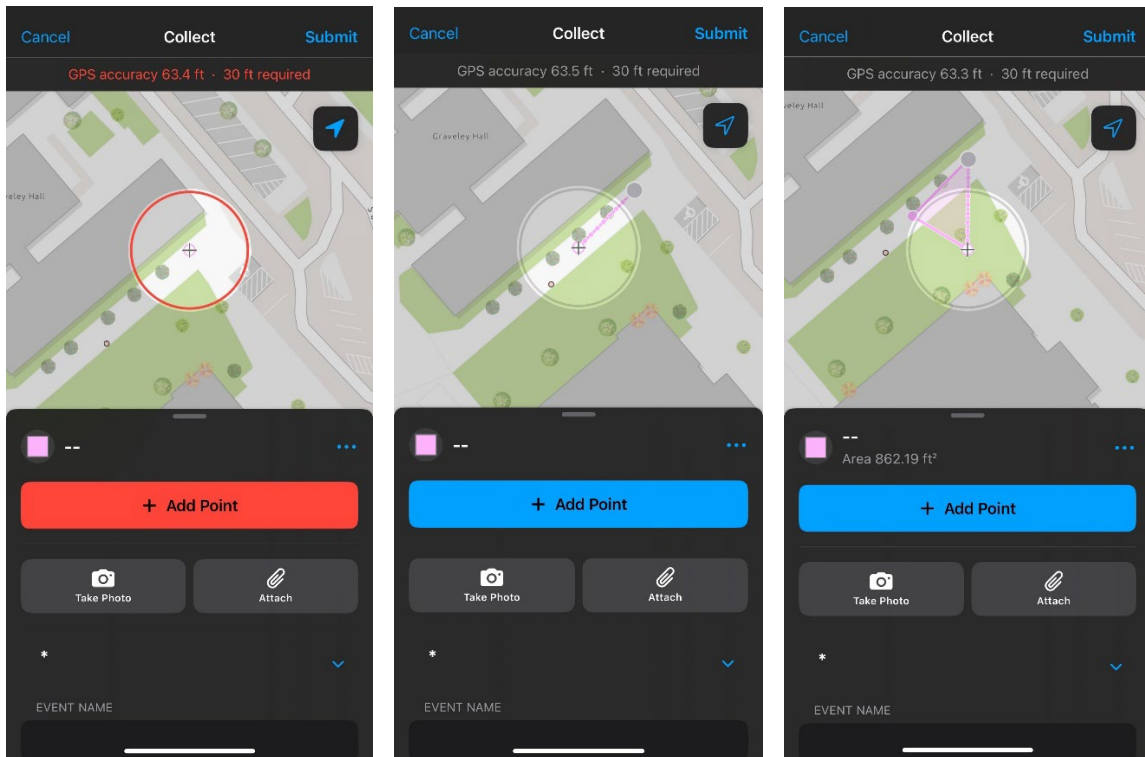


- i. Once your features have been submitted, they will appear in the Bannock County Wildfire Hazards Experience Builder site.

5. Now let's create a polygon feature. Select the blue "Collect" button on the bottom right of your screen.



- a. Once the collect button is selected, you will see a list of features that you can select from.
- b. Scroll down to the Polygon Events Features.
- c. You will see a list of polygon features you can collect, including;
- Fire Area
 - Safe Area
 - Rough Terrain
 - Marsh
 - Body of Water
 - Forest
 - Spill
 - Other
- d. Once a specific polygon feature type is selected, you can start adding points to draw the boundary of the polygon areas. Try adding points to the feature by either walking along the edge of the area using streaming mode, or by dragging the screen with your finger and adding points manually.
- e. Just like how you added a line feature, you can add points along the boundary of a polygon using streaming mode. In the field, this is frequently the best approach.



- f. Be sure to stop streaming to end the collection
- g. Next, scroll down and fill out the attribute fields.
- h. When finished, click the submit button in the upper right corner of the screen.
- i. Once your features have been submitted, they will appear in the Bannock County Wildfire Hazards Experience Builder site.

If you experience problems using this specific app or have suggestions to improve this app, please contact ISU's GIS Center by sending an email to giscenter@isu.edu

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