## Field Data Collection

Introduction to using and configuring the common mobile apps used for data collection Conner.

### Objectives





What makes them unique

- Use Cases
- Getting Started
- Known issues

## Get some hands-on experience using the apps

Using the same projects USAR teams use in disaster response

# As we wait to get started, download these apps

### QuickCapture

 Training a3c71 NAPSG Sandbox Wide Area Search



#### **Field Maps**

• Download Field Maps here



## The Three Main Apps





# QuickCapture

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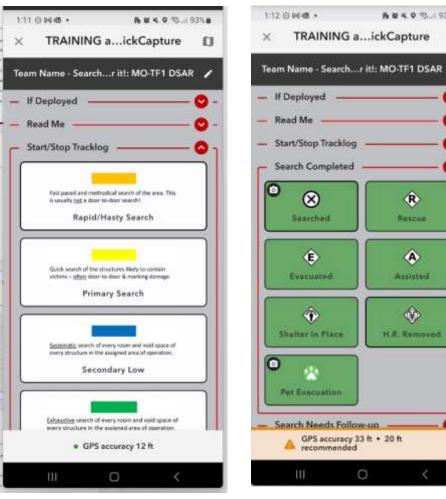
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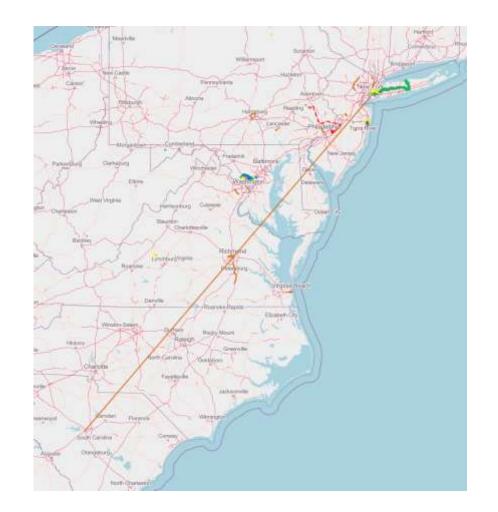
- Perfect for fast, easy data collection
- Data inputs configured on the backend
- Push button data collection points and lines
- Can be configured with user input dropdowns, choice list, or text
- Works on and offline with ability to download MMPKs for offline map
- **NEW** Ability to turn off layers in the map
- "So easy a firefighter can do it!"



- Basic functionality
  - What does each button do?
- Where to go to start configuring a project
- Saving, updating, and advanced

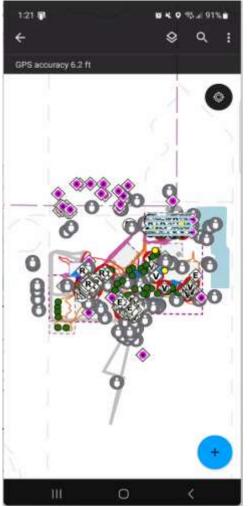
# QuickCapture – Configuration and limitations

- Configure each button
- JSON editing for advanced functions
- Webhooks
- Data is usually good about being sent to AGOL
- Trackline spiking





# Field Maps



- Great for feature layer editing in the field
- Uses existing web maps
- Smart forms can make data collection and editing easy
- Ability to see pop-ups, filter, and turn on/off layers
- Works on and offline (create offline areas with all the layers you

want)

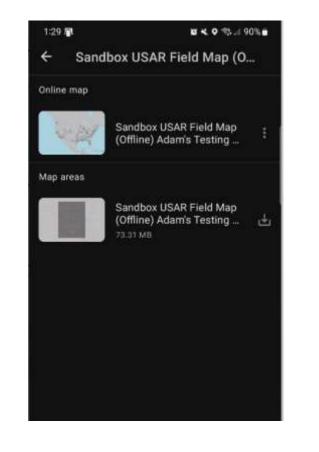


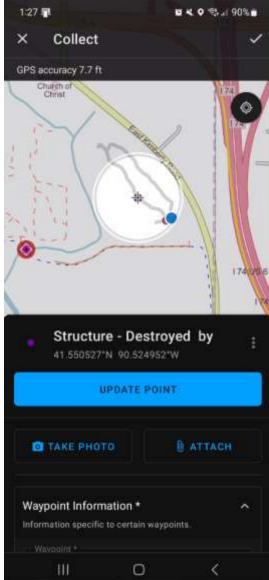
- Basic functionality
  - What does each button do?
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# Field Maps – Configuration and limitations

- Map follows same configuration as Web Map
- Smart forms let you input and edit data
- Offline maps for low bandwidth environments
- Steeper learning curve for field users
- Data collection is slower







## Survey123







- Form/ survey centric platform
- Works on web and on mobile
- Great for collecting data from crowdsource
- Survey123 Connect gives flexibility in survey design
- Works on and offline
- Can edit other existing features



# Survey123 – Configuration and limitations

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- Web and desktop configuration options
- Can work with points, lines, polygons, or

#### no geometry at all

- Web builder is very capable
- Connect learning curve
- Editing existing data is difficult
- Slowest of the three field apps





Survey123

Quick data collection

Advanced data creation and editing

Complete data creation



### Questions?

#### QuickCapture

• Training a3c71 NAPSG Sandbox Wide Area Search



### Field Maps

- Download Field Maps here
  - Click Skip Sign in & rescan QR code



### Exercise!

- Taking a walk around the block
- Mark buildings with Structures Waypoints
- Mark Cars with targeted searches or Extra 21
- Start tracks!
- Mark other things as you desire!





### Questions?



### Resources

QuickCapture Documentation https://www.esri.com/en-us/arcgis/products/arcgisquickcapture/overview

Field Maps Documentation https://www.esri.com/enus/arcgis/products/arcgis-field-maps/overview

Survey123 Documentation https://www.esri.com/enus/arcgis/products/arcgis-survey123/overview

### **THANKS!**

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napsgfoundation.org

#### Sessions after lunch:

Shaping and sizing Esri and Microsoft Tools – Room 506 Building the NAPSG Community – Room 1104 CO-TF

Research in Public Safety - Auditorium