Introducing ArcGIS Field Maps

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Field Operations | Focused apps for each activity…

Field Operations | ArcGIS Field Maps

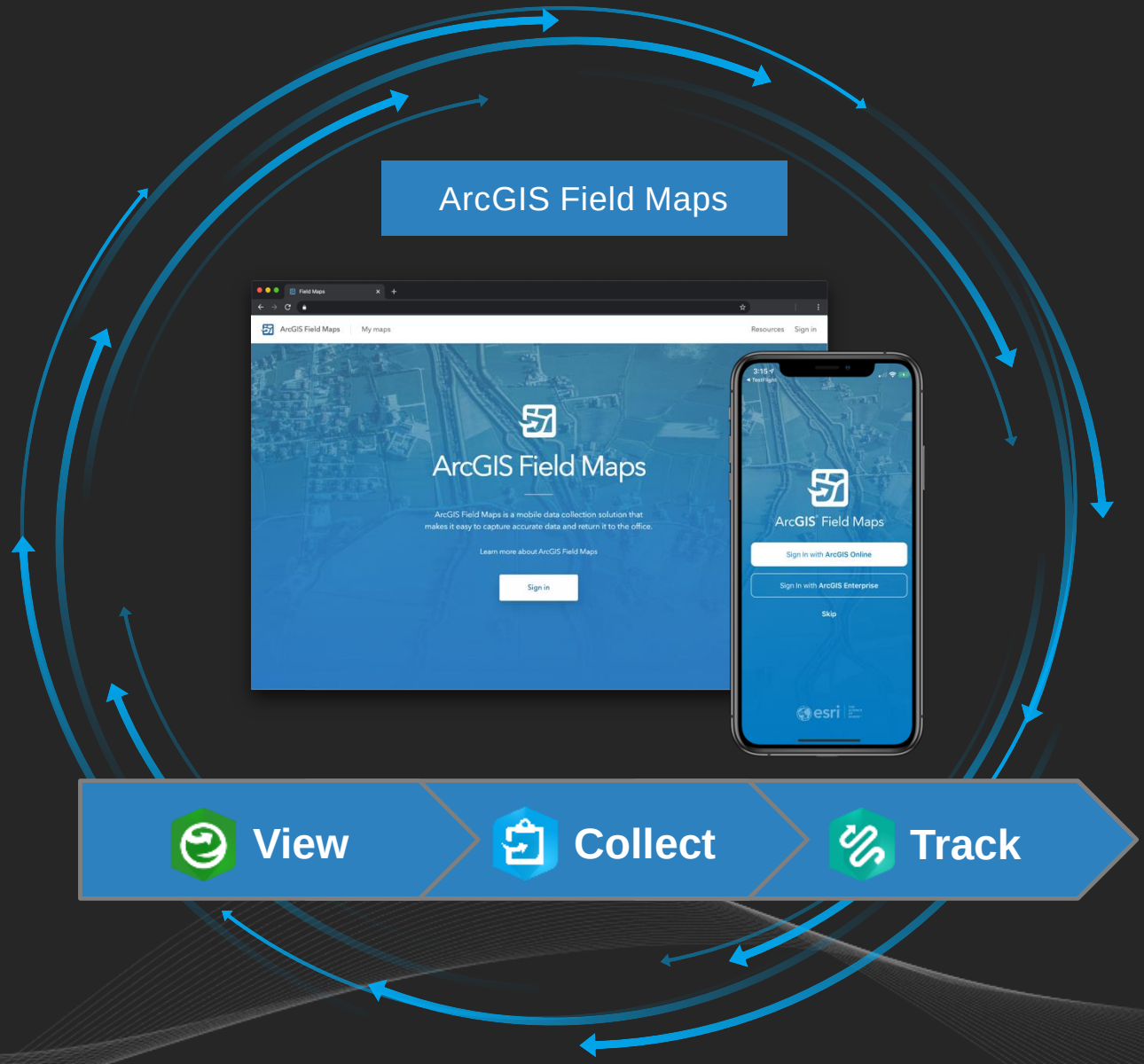
Specialized Apps

- ArcGIS Survey123
- ArcGIS QuickCapture
- ArcGIS Mission Responder
- ArcGIS Indoors
- ArcGIS Earth

ArcGIS Field Maps | One app

5 key capabilities in one app

1. **Map Viewing**
2. **Map Markup**
3. **Data Collection**
4. **Asset Inspection**
5. **Location Tracking**



ArcGIS Field Maps | Mobile app

December 2020 Release

- Map viewing
  - View rich cartographic maps, update in real-time
  - Search location, addresses, features
  - Support for Indoor maps
- Map markup
  - Notes, freehand sketch, markers
  - Share peer-to-peer, by email, to organization
- High accuracy data collection
  - Capture point, line, area features
  - Use external GPS or Map
- Robust smart form editing for inspections
  - Simplified form management, conditional visibility, required fields
- View, record and share location tracks
  - Apple watch support, track for duration

Field Maps requires iOS 13.5, Android 8 (API 26)

ArcGIS Field Maps | Mobile app

Mapping capabilities

Map Support

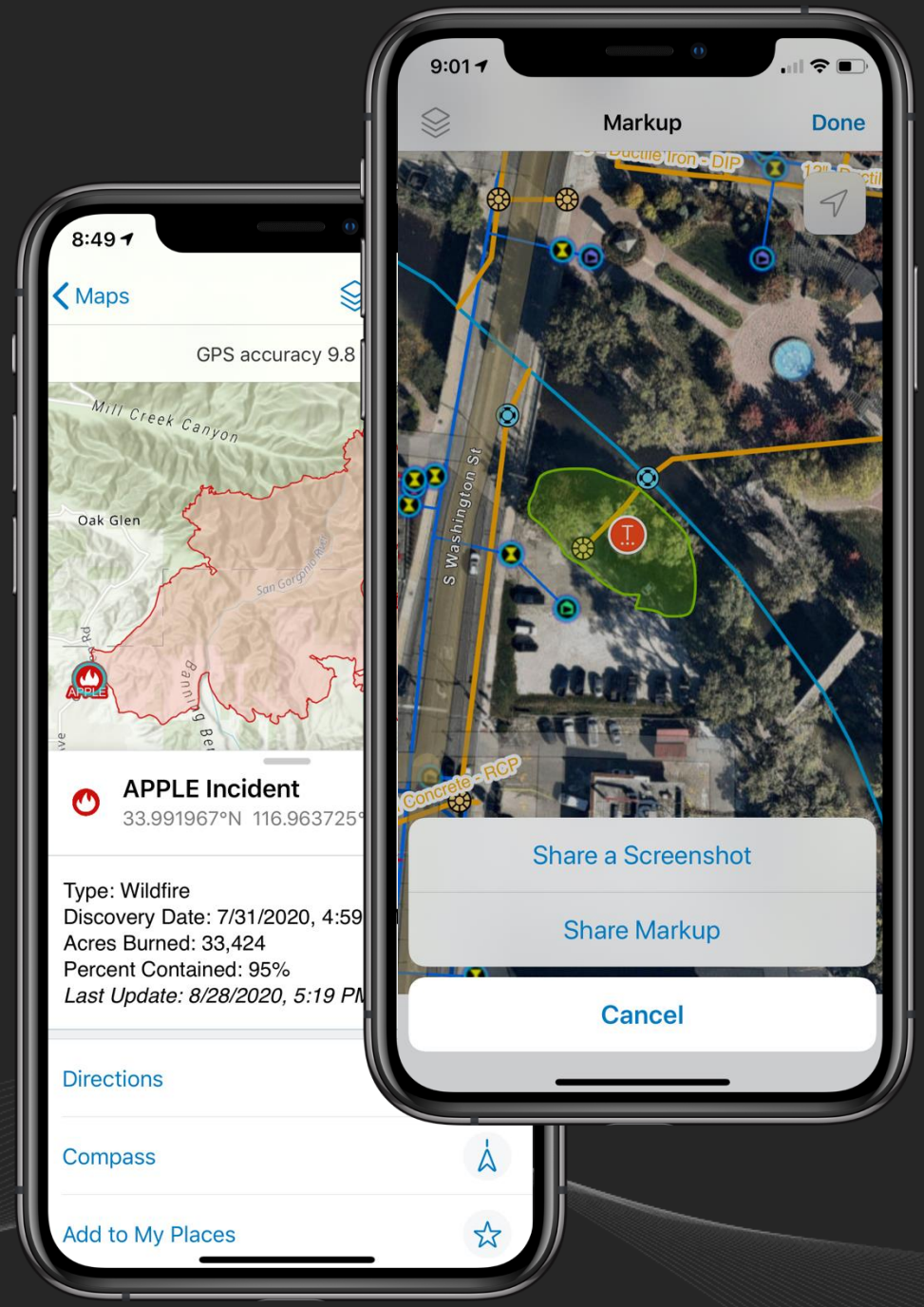
- Advanced symbology/Labeling (w/Arcade)
- Group layers, Annotation
- Popups (w/Arcade including feature sets)
- Layer refresh for auto-updates

Map Tools

- GPS, Basemaps, Bookmarks, Layers, Legend
- Measure, Search
- Download, Sync
- Directions, Compass

Markup and Share Map

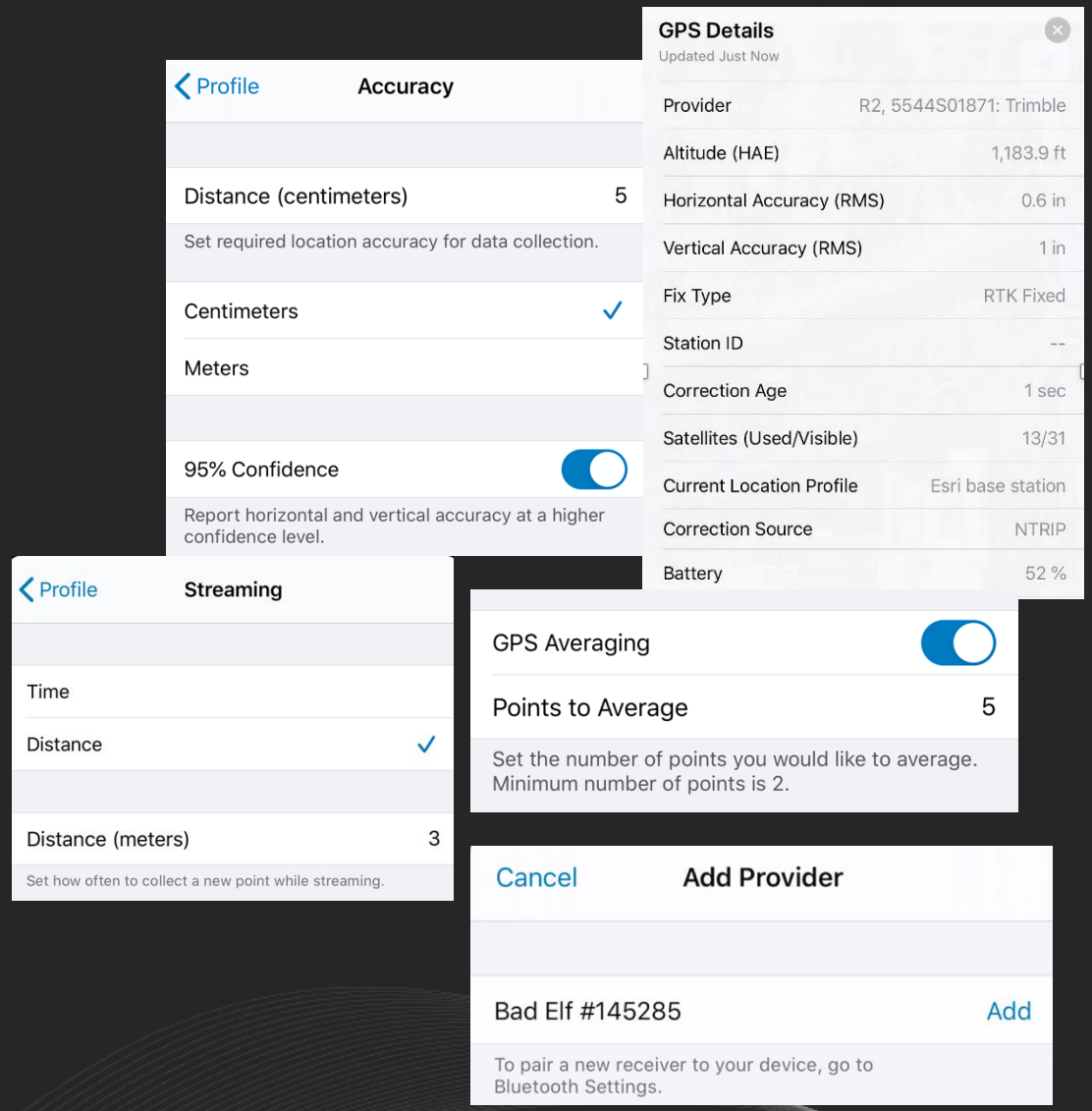
- Place a marker
- Freehand sketch lines and areas
- Recognize shapes



ArcGIS Field Maps | Mobile app

Data collection capabilities

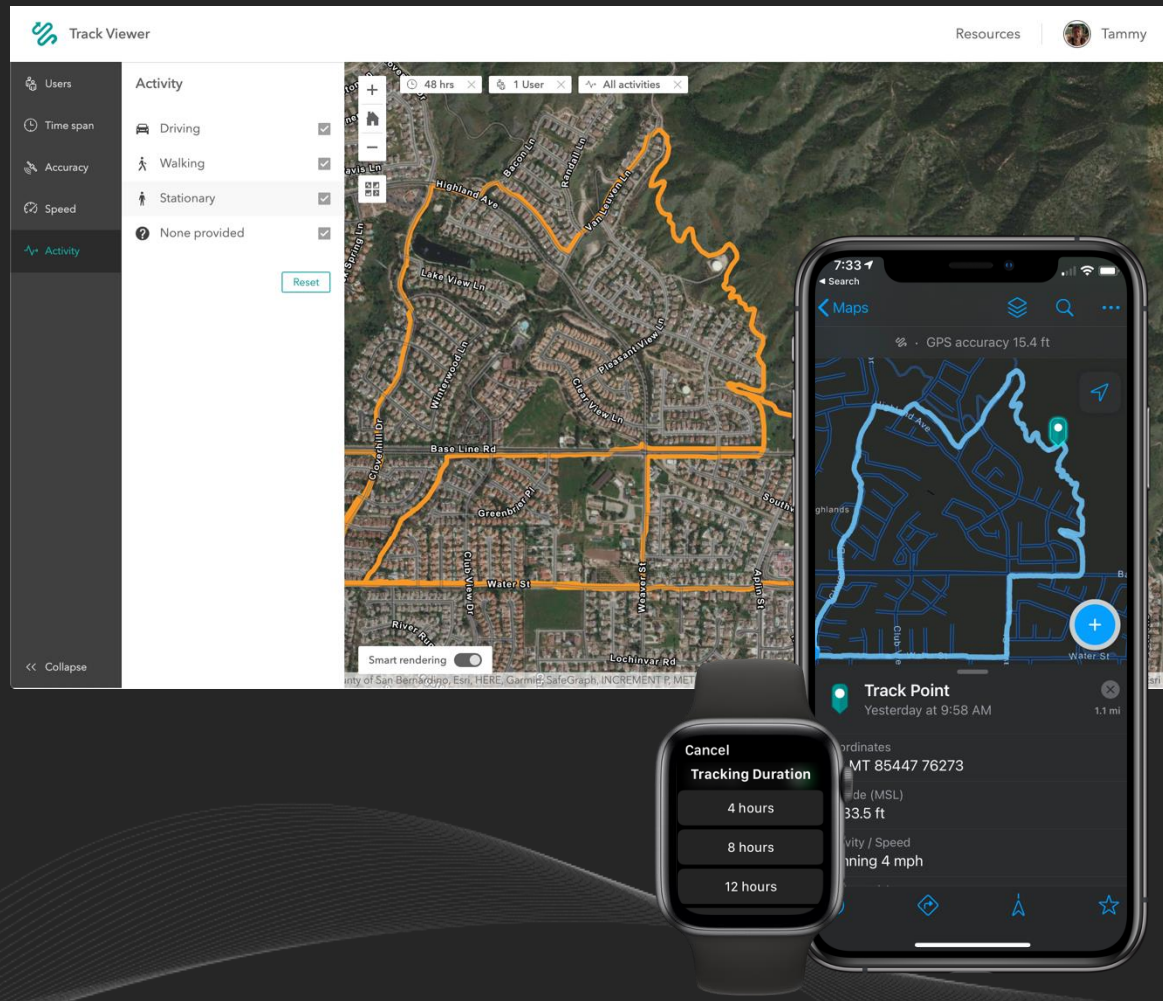
- GPS Capture capabilities
  - Single Point/vertex capture (w/ Z-value)
  - Streaming data capture (lines/areas)
  - Averaging
- Understanding Accuracy
  - GPS bar
  - GPS metadata
  - Required accuracy
  - Confidence level
- Connecting to Receiver
  - Location Provider
  - Location Profile



ArcGIS Field Maps | Mobile app

Location Tracking capabilities

- Supports Viewer user type + ArcGIS Tracker license
- Battery savings location tracking capability, driven by activity
- Switch tracking on/off for all maps from maps screen or within a map
  - Track for a duration
- View location tracks in any map (iOS/Android)
  - Turn tracks layer on/off
  - Set track duration
- Supported on Apple Watch
- Use Track Viewer to share tracks with others



ArcGIS Field Maps | Web app

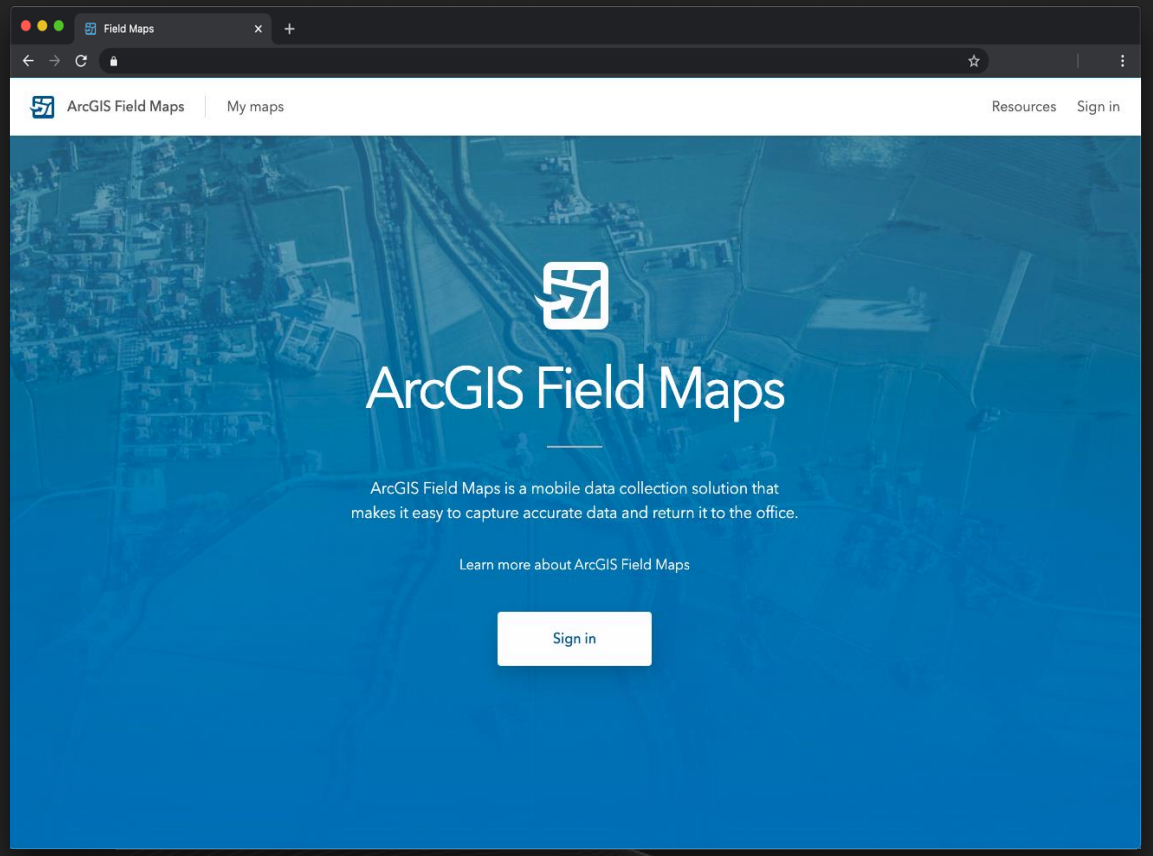
December 2020 Release

Capabilities

- Configure **map visibility** and **properties**
- Configure **map content**
- Manage **offline** experience
- **Share** maps into groups

Requirements

- ArcGIS Online or ArcGIS Enterprise 10.8.1+
- Not supported on IE 11 browser
- Create privilege required
- Maps you own



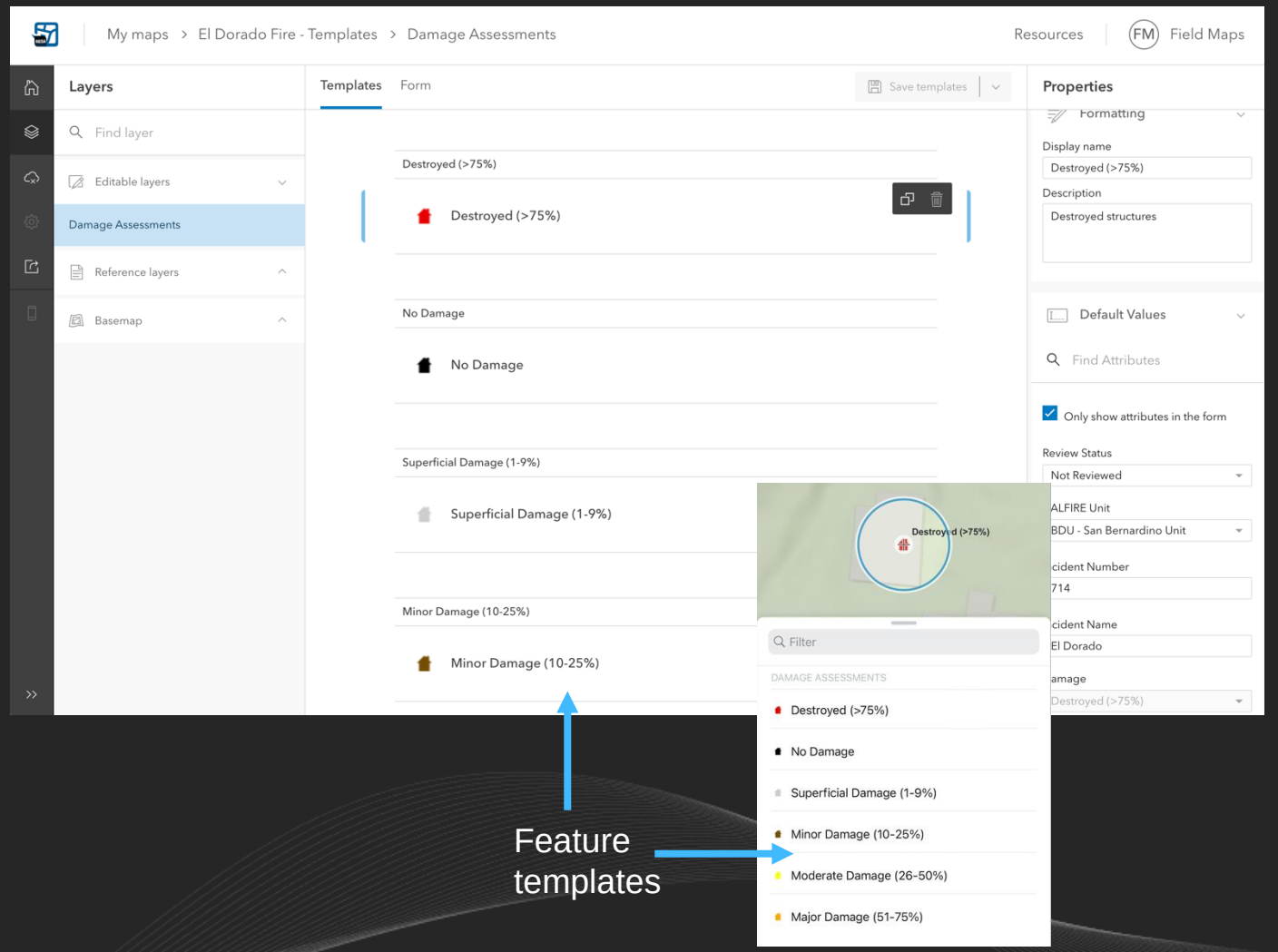
ArcGIS Field Maps | Feature templates

Data collection types

Feature Templates

- Unique types of features you create in a feature layer using the map or GPS
- Include a symbol, name, description, and set of values

- Configuration Capabilities
  - Order Feature Templates and Types
  - Alter name and description
  - Apply default values per template
  - Delete templates
  - Duplicate templates



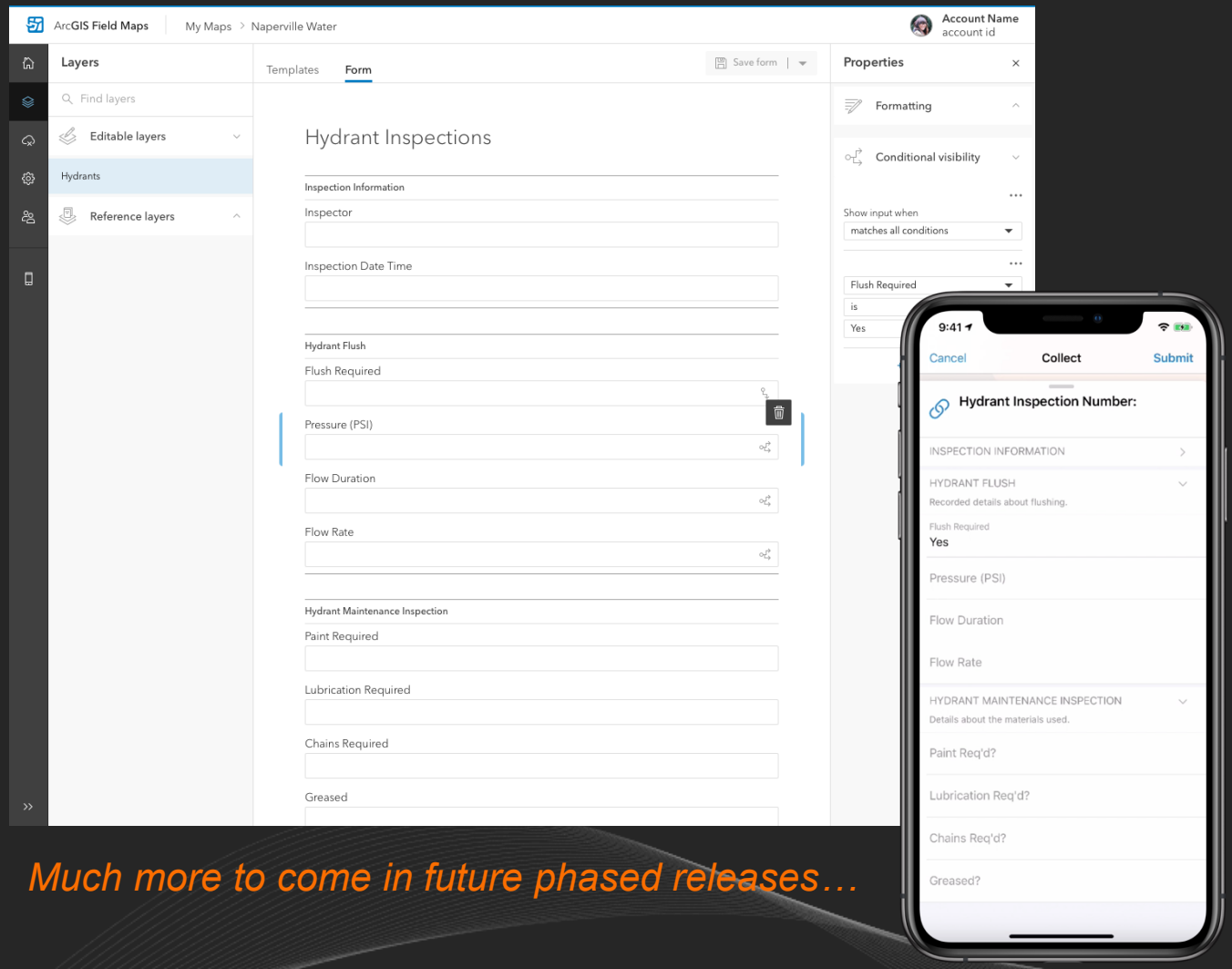
ArcGIS Field Maps | Smart forms

Map-based forms

- New way to create and edit attributes in ArcGIS
  - Forms included in web maps
  - Form editing in Map Viewer Beta
- Simplifies field editing experience
- Design experience in Field Maps web app

Key capabilities

- Use groups to organize fields
- Apply conditional visibility to fields
- Format your form and it's fields
- Qualify required and read-only fields



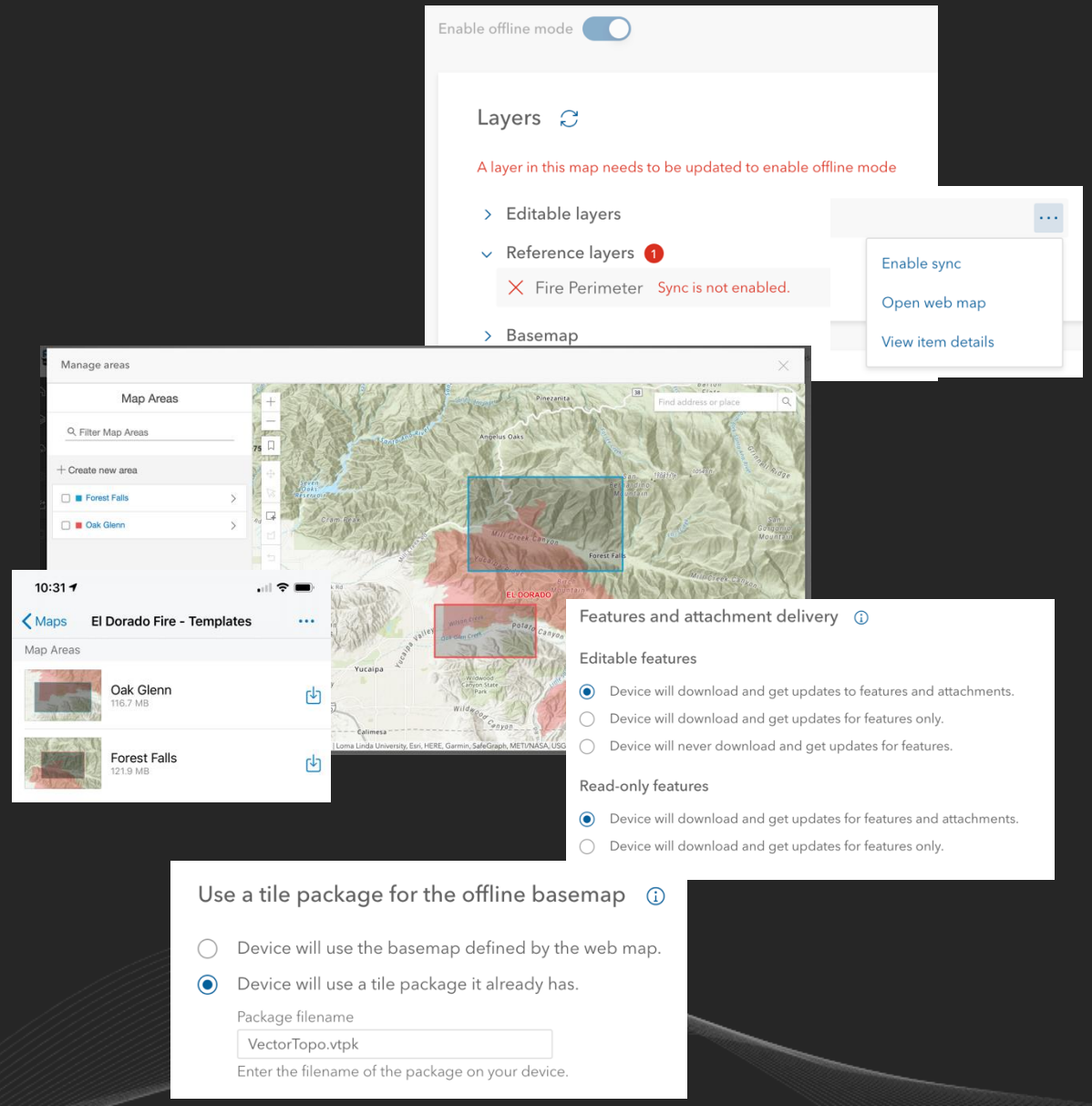
Much more to come in future phased releases…

ArcGIS Field Maps | Offline maps

Central management of offline capabilities

Manage Offline Map Capabilities

- Enable/Disable offline mode
- Diagnose and fix map layer issues
- Create and manage offline map areas
- Adjust delivery of features and attachments
- Reference offline basemaps



ArcGIS Field Maps

DEMO

Evaluate quitable drinking fountain distribution

ArcGIS Field Maps | Additional information

Resources

Product Content

- Product page and resources page
- Blog articles
- Guides
  - Migration guide, Offline guide
- Learn Pathways
  - Try ArcGIS Field Maps
- YouTube Playlist
- GeoNet (community, ideas)

5 things to try in Field Maps

ArcGIS Field Maps offers a variety of features for working with maps in the field. Check out these five capabilities to get started.

Read this article

Article

Announcing ArcGIS Field Maps

ArcGIS Field Maps is Esri's new premier maps app on iOS and Android devices.

Read this article

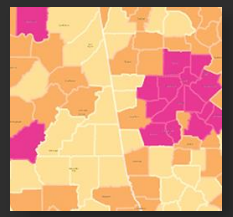
Article

Migrate to ArcGIS Field Maps

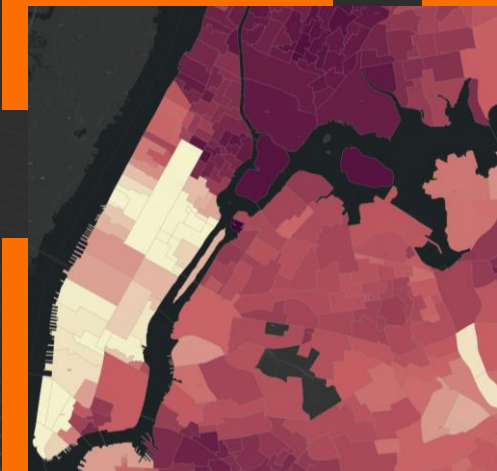
Resources for migrating to ArcGIS Field Maps from ArcGIS Collector, ArcGIS Explorer, and ArcGIS Tracker.

Read this article →

Article



esri | THE SCIENCE OF WHERE



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