ESRI MID-ATLANTIC USER CONFERENCE

ArcGIS Field Apps: What's New and What's Coming

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Field Operations | A capability of ArcGIS

MISSION STATEMENT

To digitally enable mobile workflows with **location intelligence** so field work can be completed **faster**, **more efficiently**, with better **return on investment**.

Optimize efficiency in field operations with the power of location intelligence

Field Operations | It starts with ArcGIS

Field Operations | Location-enable all phases of field work

Plan
Use location to assign and coordinate field activities

Navigate
Route to your work using your roads, your GIS data – even while offline

Coordinate
Act on real-time conditions in the field to update worker tasks

ArcGIS

Understand
See what's happening around you with maps

Monitor
Know where workers are and see the progress of work in real-time

Capture
Perform data collection and send it back to the office from anywhere

Field Operations | Location-enable all phases of field work

Field Operations Apps | Road Ahead

Provide consistency of experience across apps

- Offline modes in every app
- Improve sign in experience across apps
- Achieve and maintain parity across all supported platforms

Enable ArcGIS Smart Forms across apps

- Create and use smart forms within Collector
- View smart forms in Explorer (and across the platform)

Make Field Operations apps easier to set up and manage

- Collector web app

Online Navigation

- Live traffic
- Live weather

Research areas

Indoor positioning
Utility network integration
Parcel fabric integration
At-rest data encryption
Augmented reality
Windows support

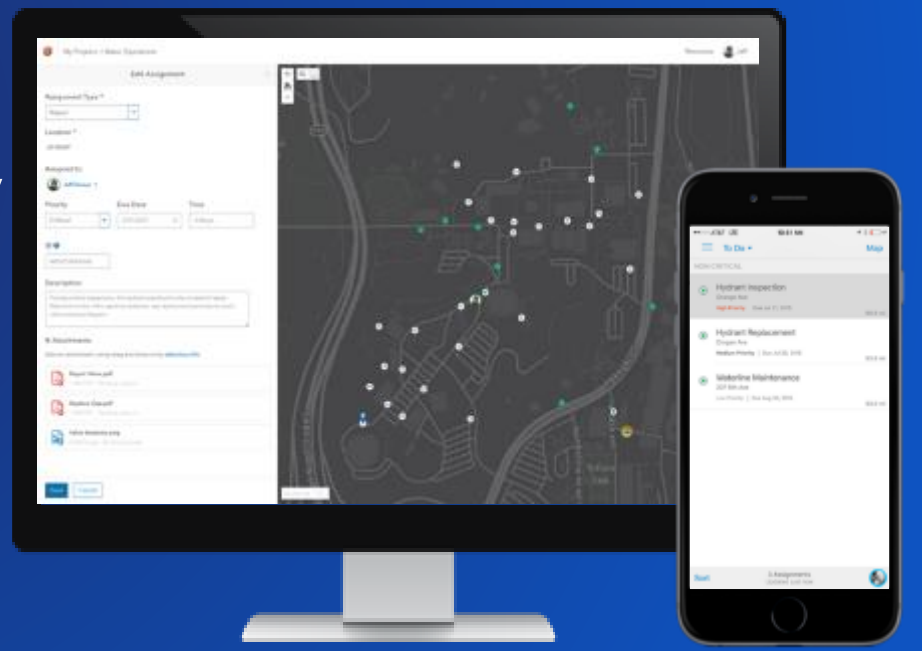
* As always, roadmap slides are subject to change at any time

Workforce for ArcGIS

Plan and coordinate field work

Plan
Use location to assign and coordinate field activities

- Plan and coordinate field work
- Use location awareness to improve efficiency
- Receive & manage field assignments



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Workforce for ArcGIS

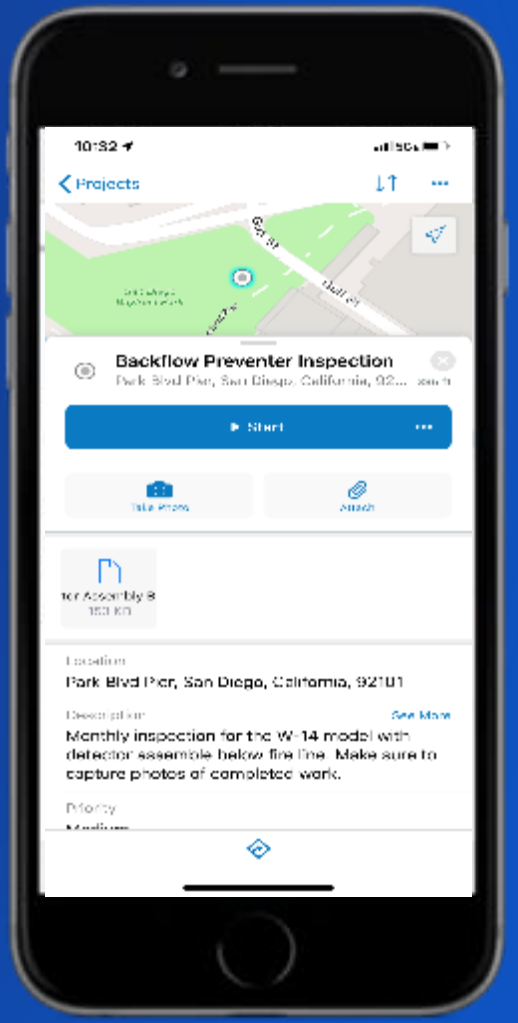
What's Next in Workforce

Support for offline workflows

Ability to display local tracks from Tracker

Pick-up work

Sequencing



Navigator for ArcGIS

Route your field workforce to where it needs to go

Navigate
Route to your work using your roads, your GIS data – even while offline

Find assets and navigate to them while offline

Use your own maps, asset inventory, and custom roads

Traverse pre-planned routes for maximum efficiency

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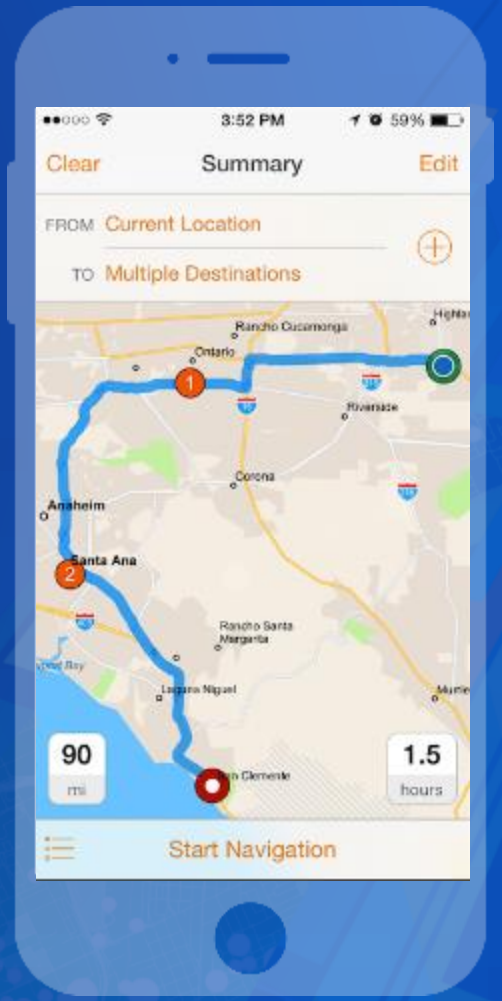
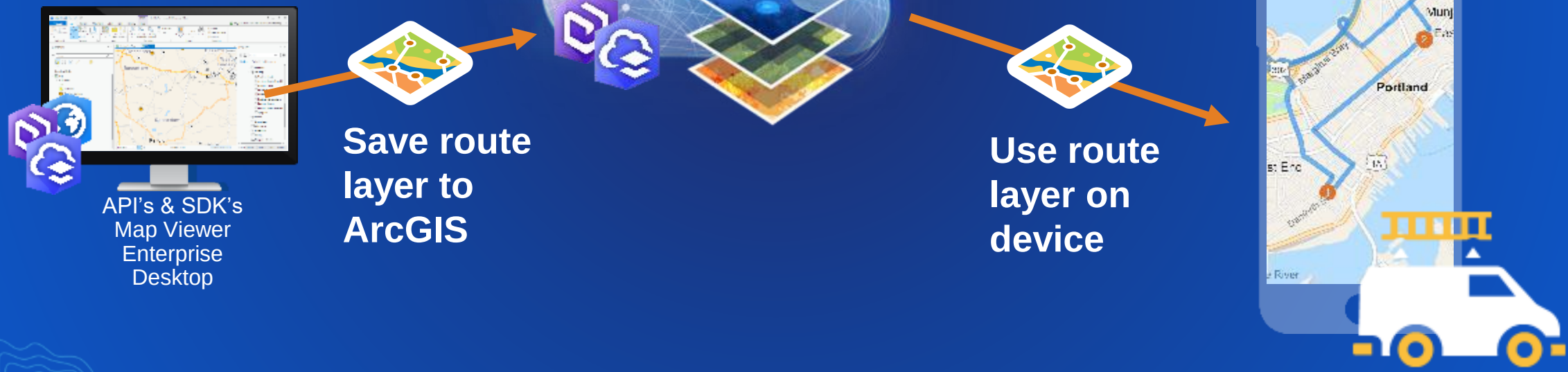


Use Route Layers from ArcGIS

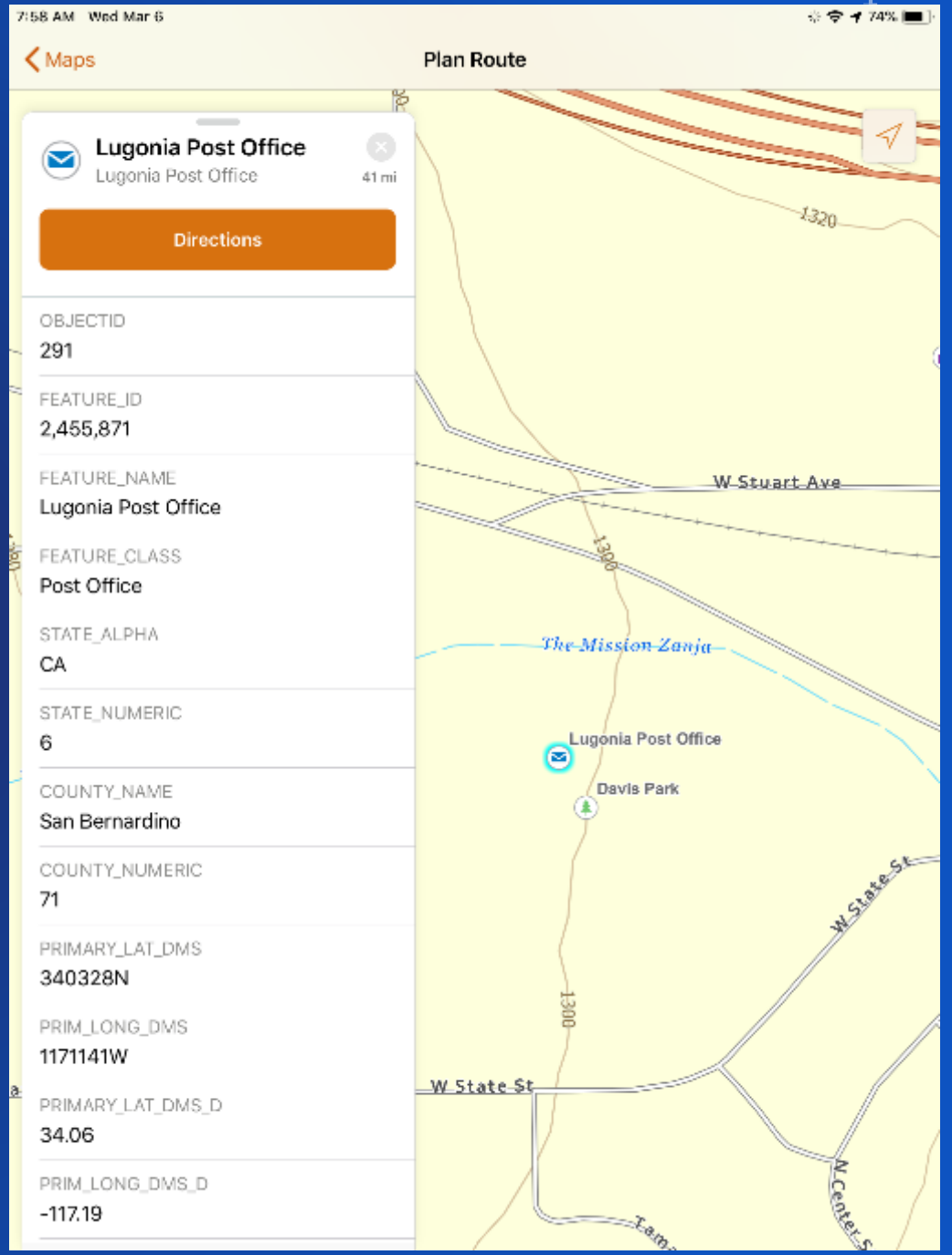
What's New in Navigator for ArcGIS



See feature details

What's New in Navigator for ArcGIS

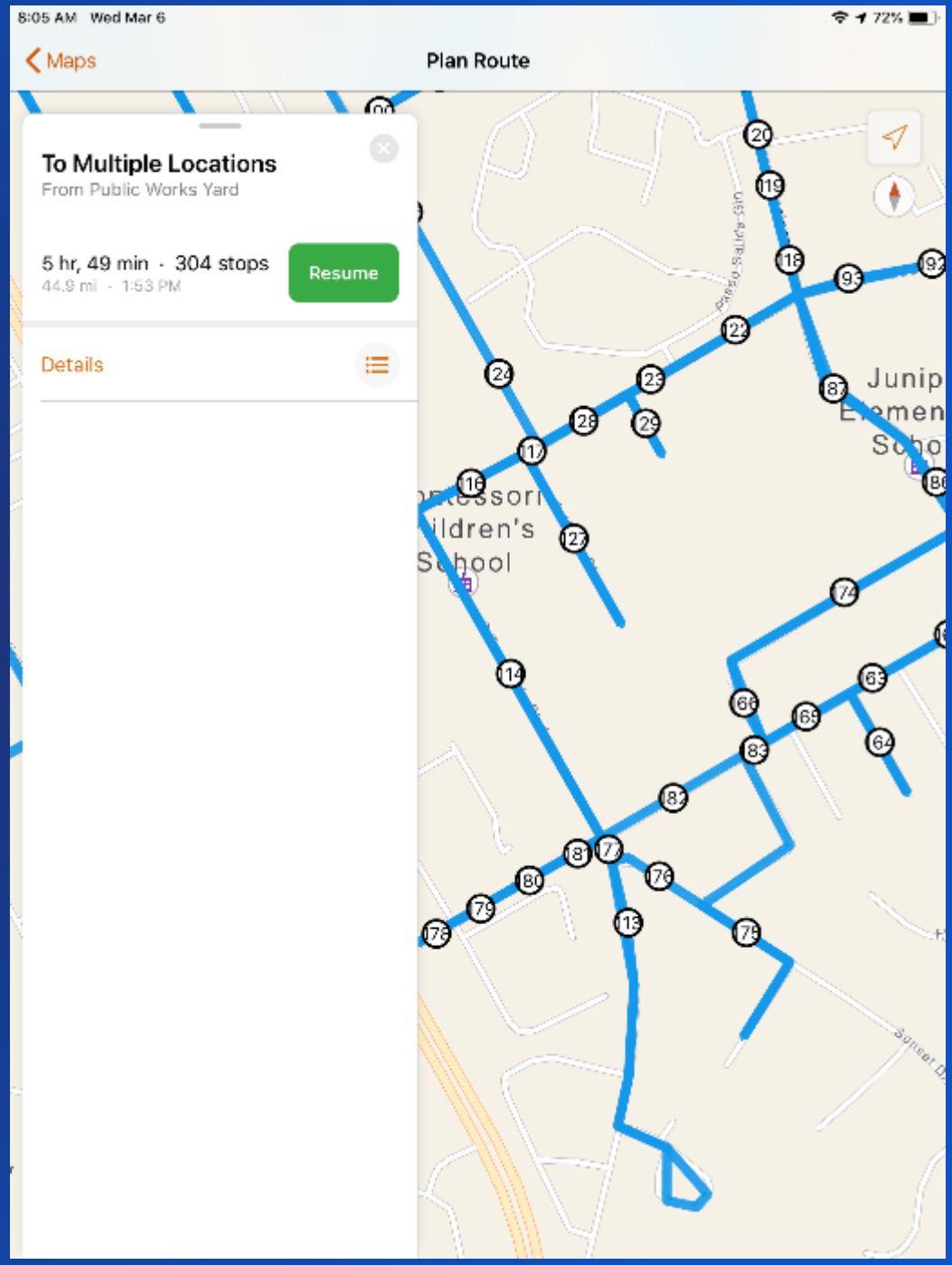
Get to the right locations by seeing attributes, attachments, and media associated with features



Route pausing

What's New in Navigator for ArcGIS

- Navigator remembers where you were in your route and intelligently resumes where you left off.
- 'Lunch mode'

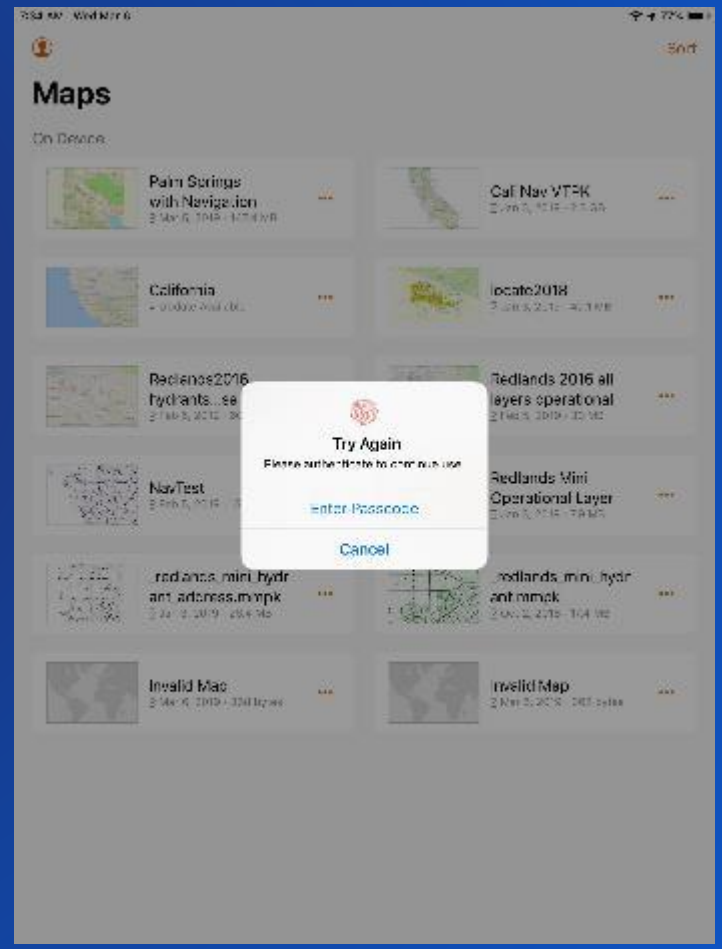


Support for IWA

What's New in Navigator for ArcGIS

Biometric authentication

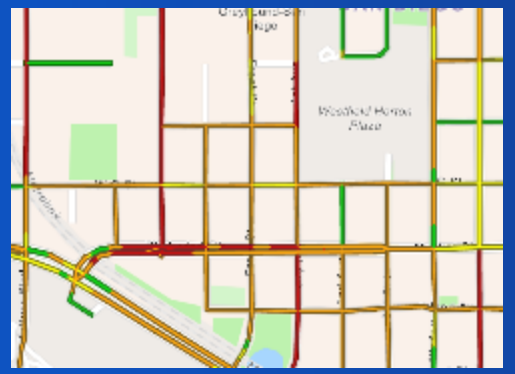
What's New in Navigator for ArcGIS



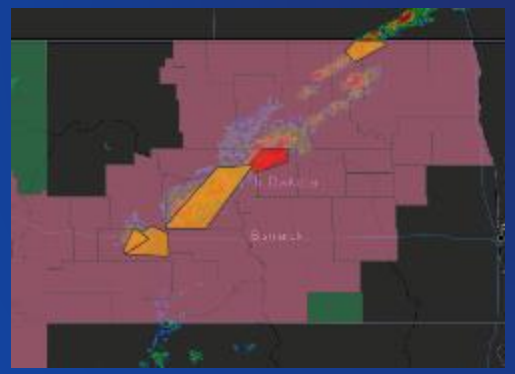
What's Next?

Navigator for ArcGIS

Connected services

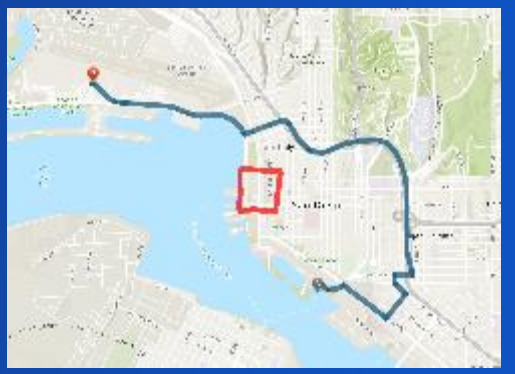


Live traffic



Live weather

Web maps



Barriers

Explorer for ArcGIS

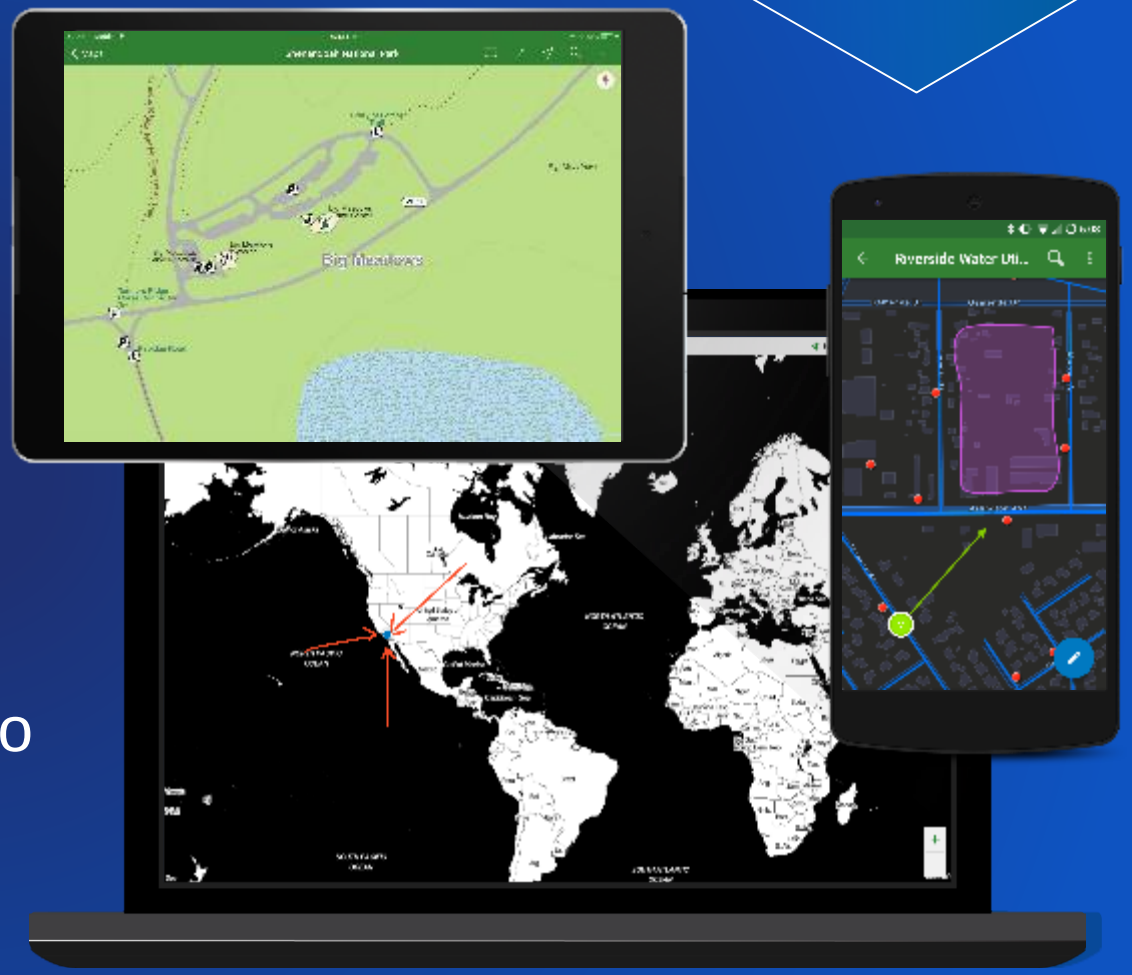
Maps at your fingertips

Understand
See what's happening around you with maps

View your maps anywhere

Easily find field assets

Create and share notes on-the-go



Get it from Microsoft

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Windows 10 support

What's Coming in Explorer for ArcGIS

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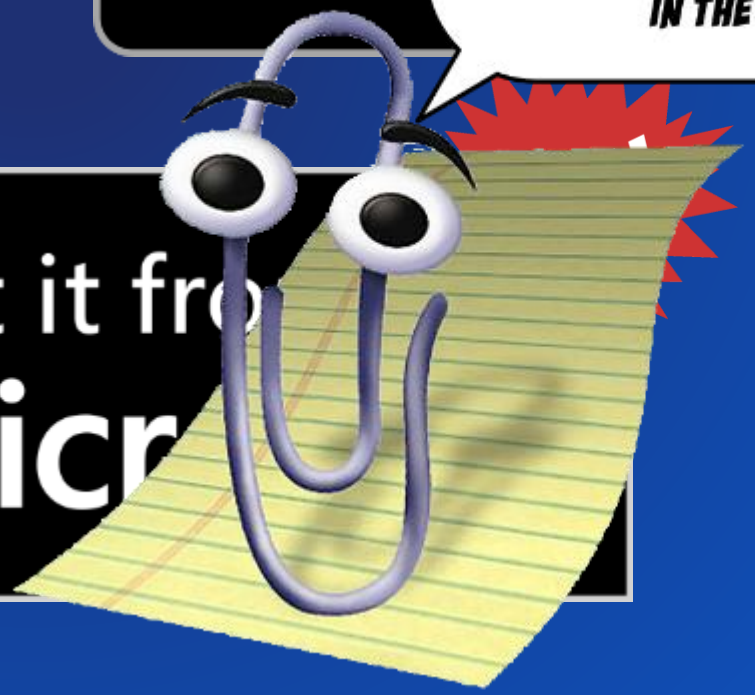
Download on the

JUST SEARCH FOR "EXPLORER FOR ARCGIS" IN THE MICROSOFT STORE

Get it fr Micr



Try the beta now!

Layer refresh interval support

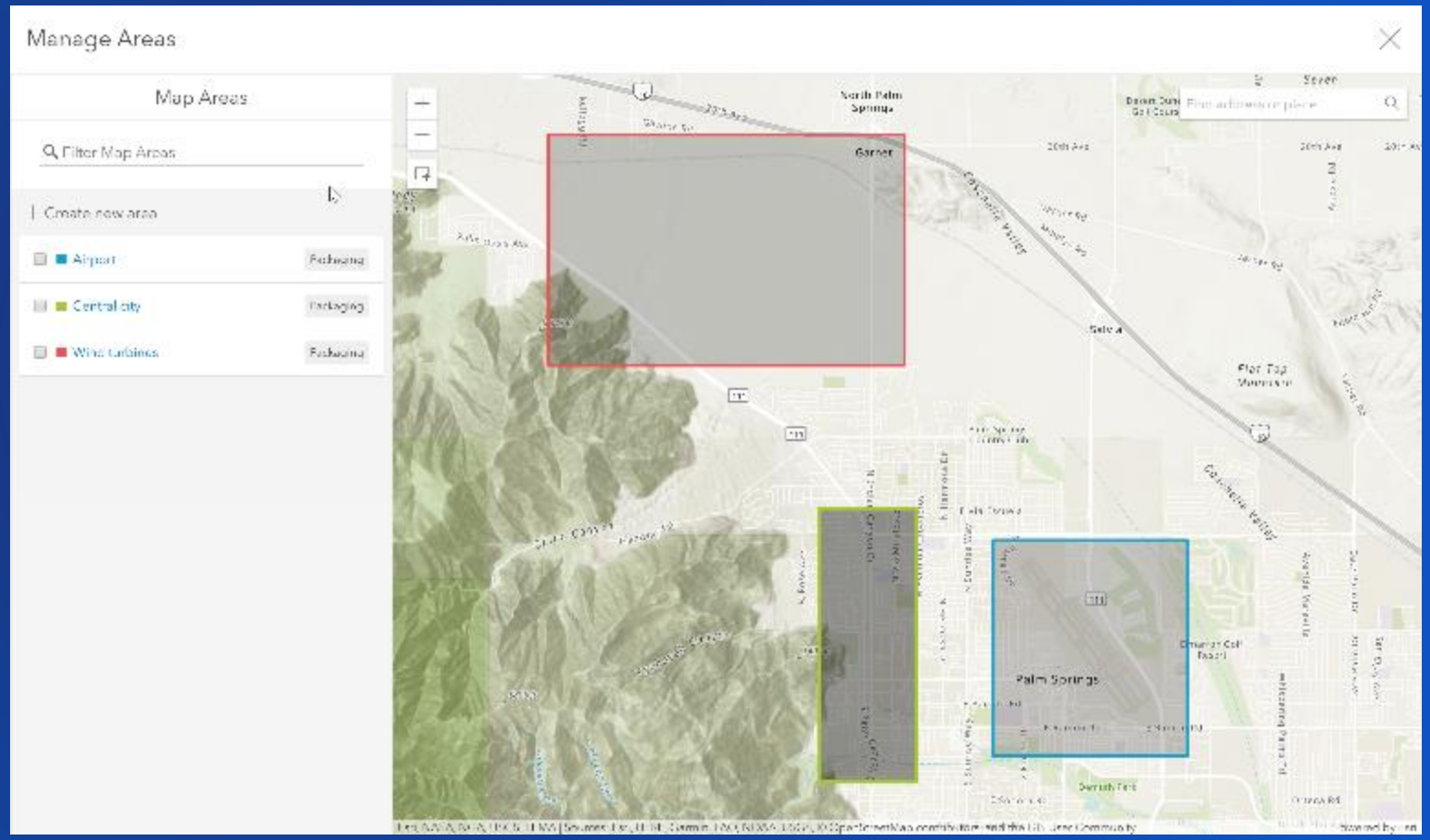
What's Coming in Explorer for ArcGIS

Offline improvements

What's Coming in Explorer for ArcGIS

Offline Areas

Areas are defined in the webmap by the author and loaded onto the device via Explorer



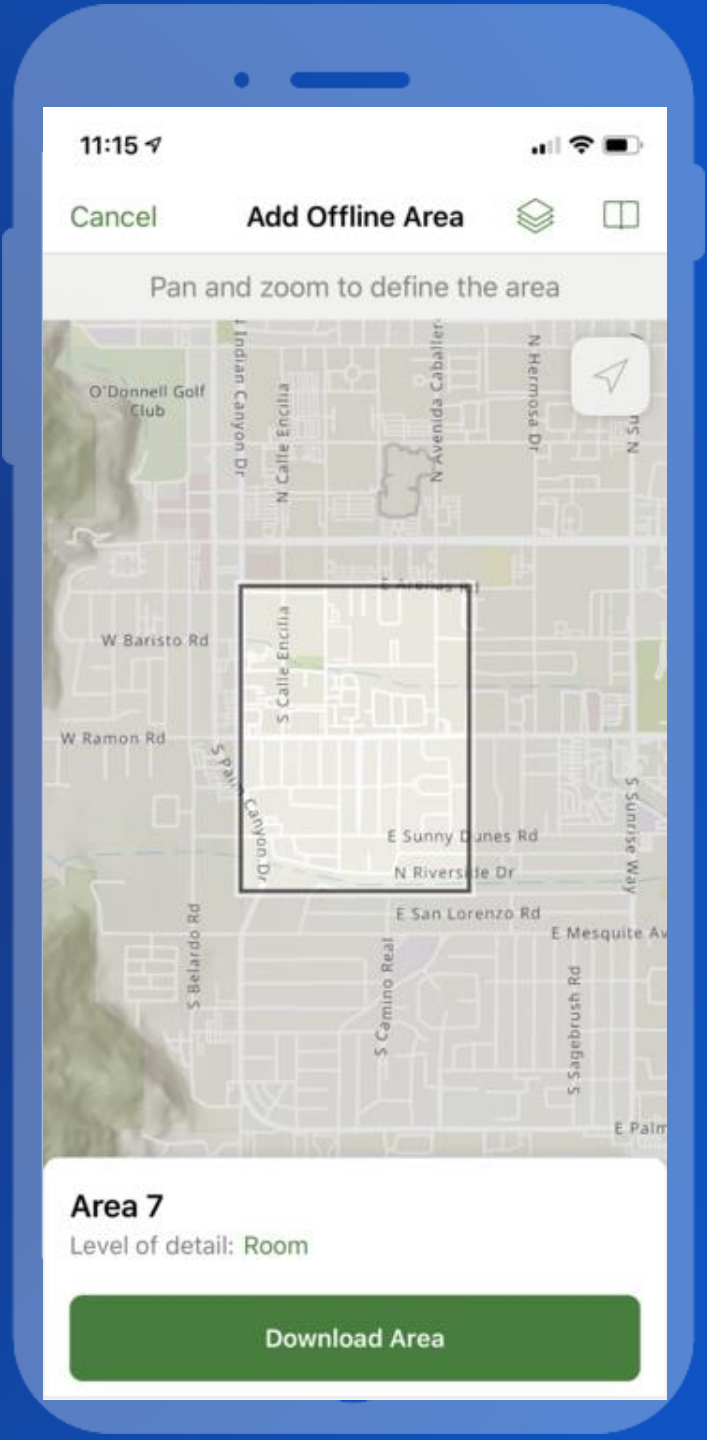
Offline improvements

What's Coming in Explorer for ArcGIS

Offline On-demand

The ability to take part of a webmap offline from within Explorer

Functionally equivalent to what is in Collector today

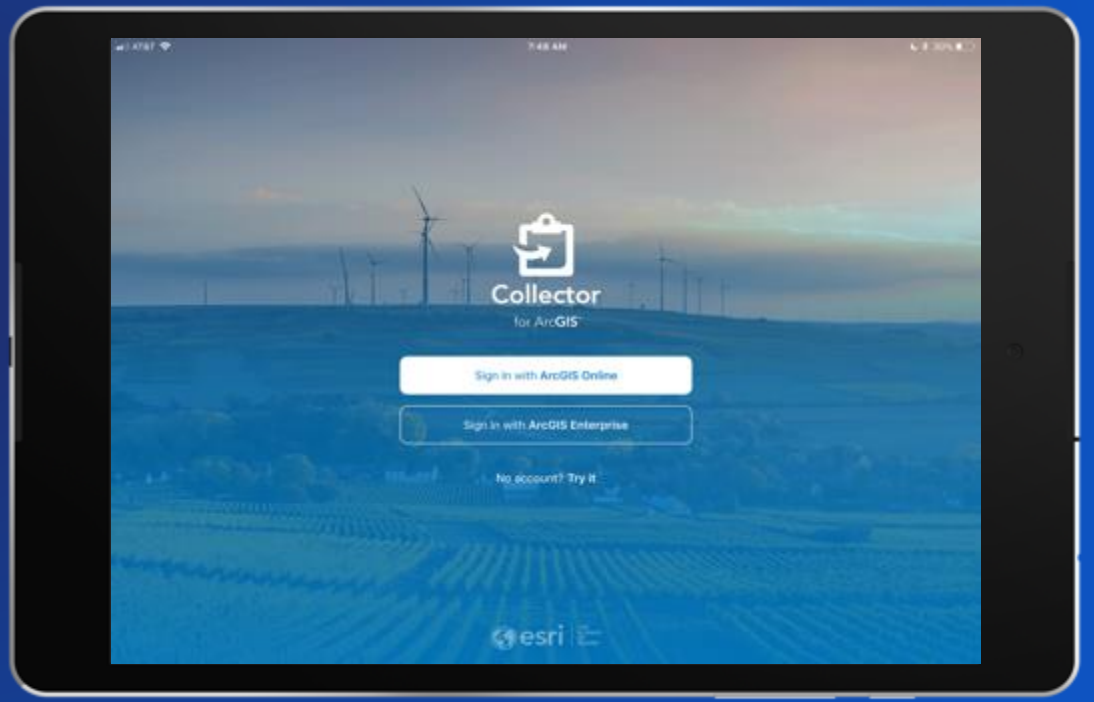


Collector for ArcGIS

Accurate data collection made easy

Capture
Perform data collection and send it back to the office from anywhere

- Efficient data collection
- Works anywhere, anytime
- High data accuracy



Get it from Microsoft

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Collector for ArcGIS

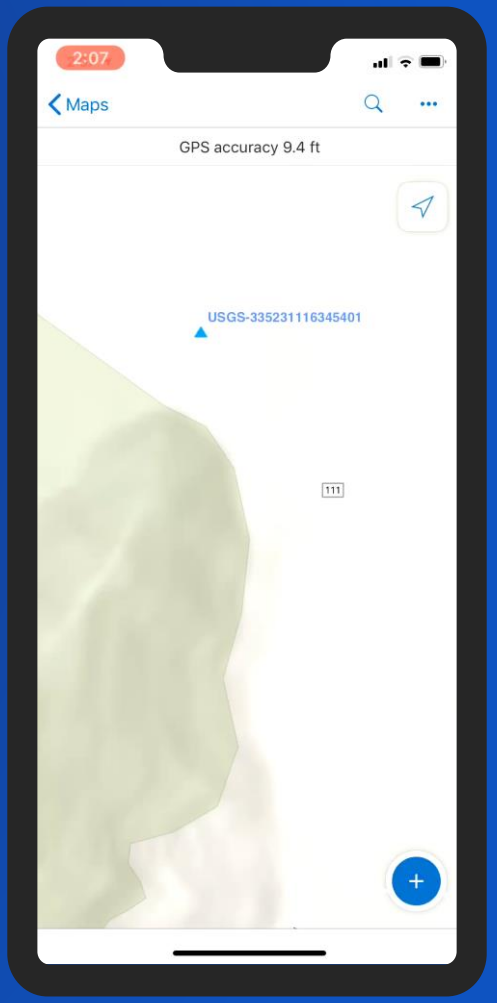
What's New and What's Coming

What's New

- Parity release bringing Collector in line with Collector Classic
- Referenced basemaps, using the Files app, new transformations, more…

What's Coming

- Locate workflows
- PKI support
- Parcel construction
- Snapping
- Bulk attribute update
- Simplifying field deployments with a new web interface
- Android support for new generation of Collector
- Introducing support for ArcGIS Smart Forms
- Utility Network support



Survey123 for ArcGIS

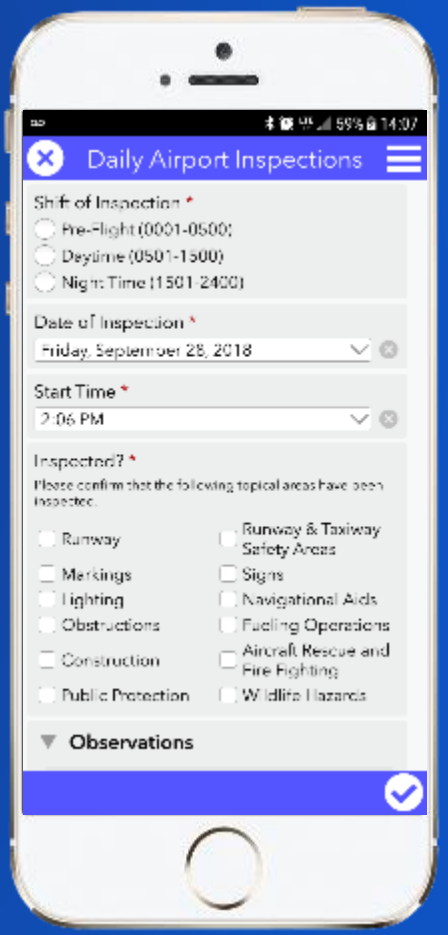
Form Centric Data Collection

Capture
Perform data collection and send it back to the office from anywhere

Simple data collection experience

Sophisticated smart form capabilities

Web & Native



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Survey123 for ArcGIS

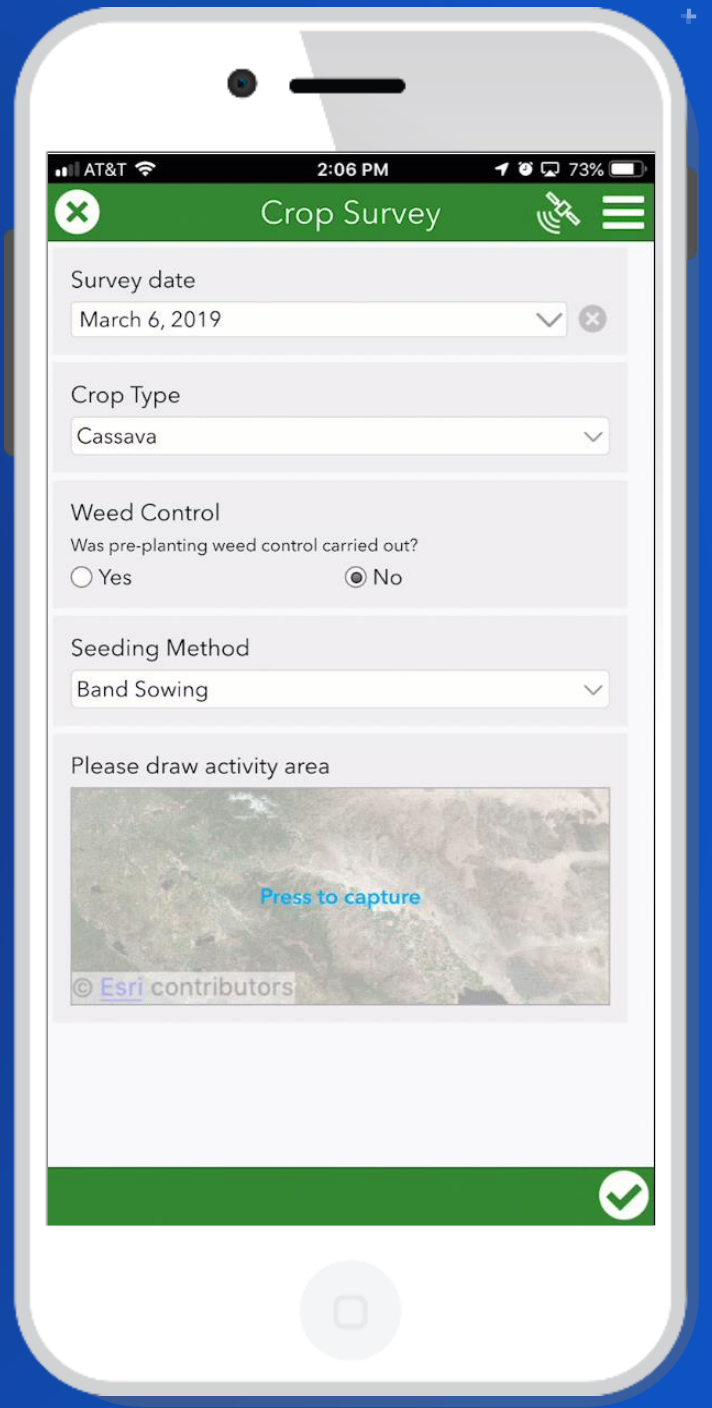
Form Centric Data Collection

What's New

- Feature reports
- Photo Watermarking
- Polygon + line data capture

What's Coming

- Feature report PDF output
- Web maps, mmpk's, VTPK's
- On-prem API/website setup
- Extensibility framework
- Project update notifications



ArcGIS QuickCapture

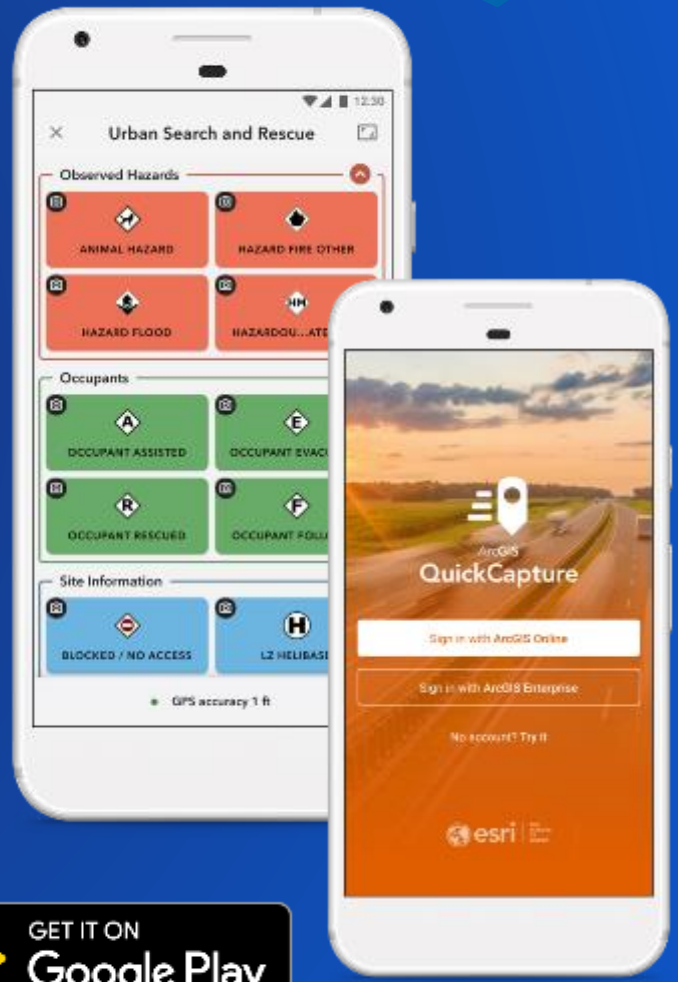
Rapid data collection

Capture
Perform data collection and send it back to the office from anywhere

A “big button” mobile app

Simplest way to capture field observations

At-speed data collection workflows



Windows

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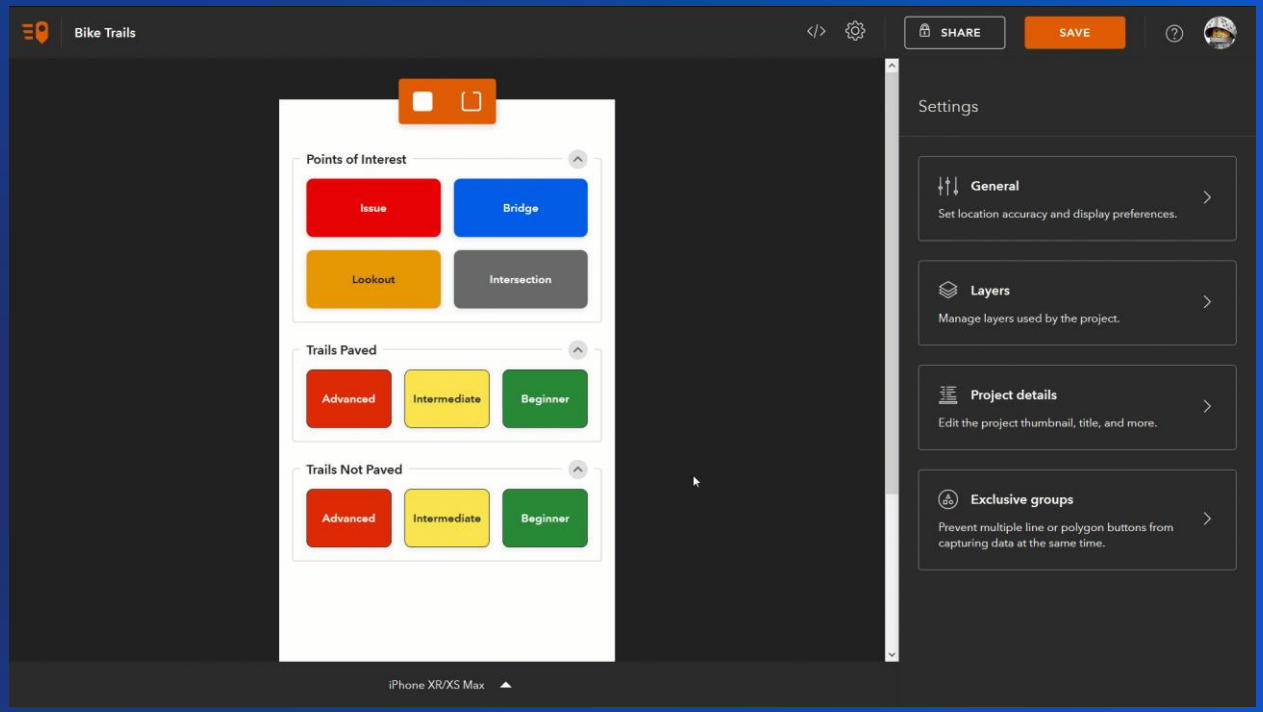
ArcGIS QuickCapture

Rapid data collection



What's New

- App launch in July 2019
- Localized to support all languages
- URL scheme support
- Configure Exclusivity Groups in Designer

What's Coming

- Configurable maps (offline and online)
- Side-by-side map view for tablets
- Configure User Inputs in Designer
- Public projects for crowdsourcing and citizen science initiatives

Research

- Hey Quick! (voice operated commands)
- QuickCapture AI (integration with AI object detection)
- Integration with Android and Apple Watch

Tracker for ArcGIS

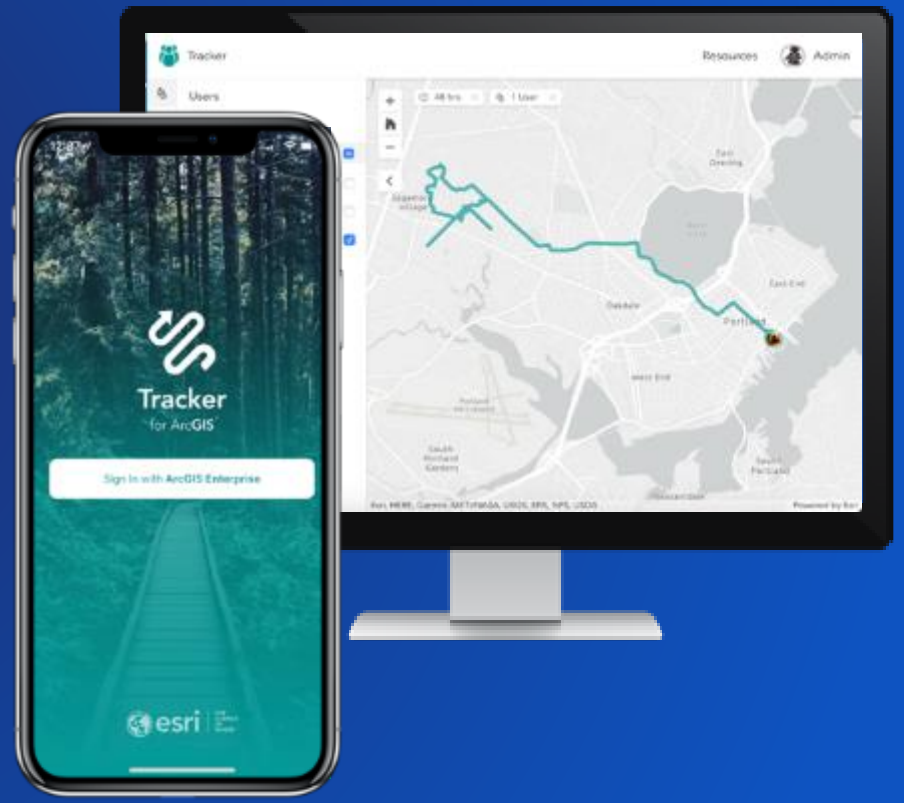
Know what happens in the field

Monitor
Know where workers are and see the progress of work in real-time

Share your location

Know where everyone is

Own your location data



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Tracker for ArcGIS

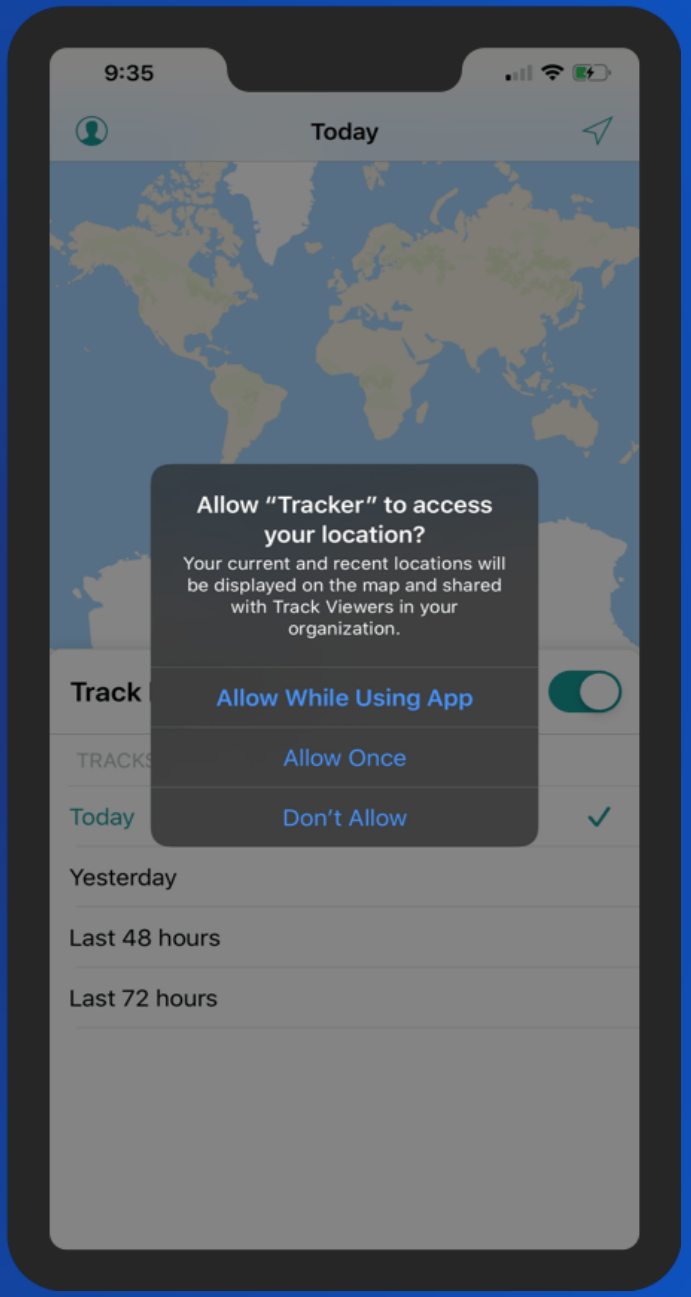
Know what happens in the field

What's New

- App launch in July (ArcGIS Enterprise only)
- Updates to support iOS location privacy changes

What's Coming

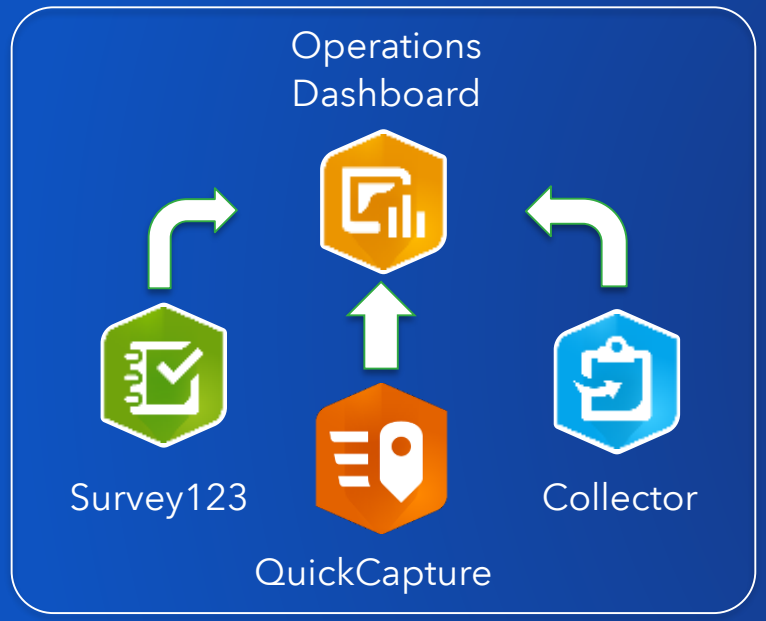
- Availability in ArcGIS Online
- Updates to support Android location privacy changes
- Basic analysis + charting capabilities in the Track Viewer web app



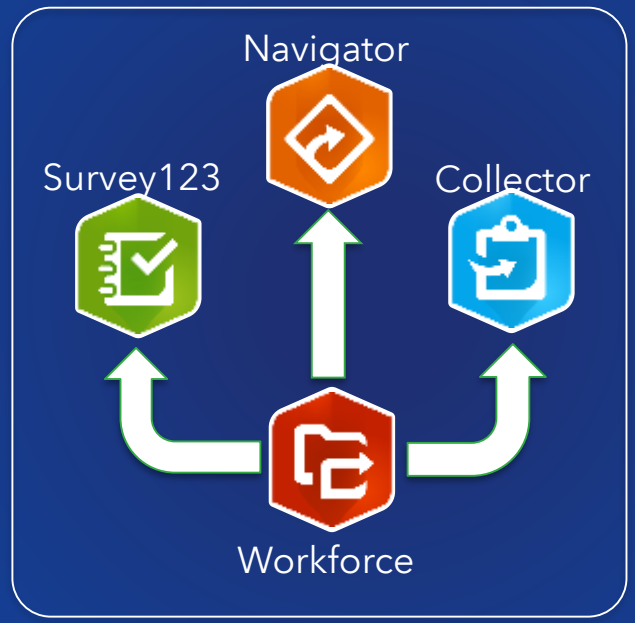
Enhance workflows by pairing apps

Maps + Forms

Collect and Monitor

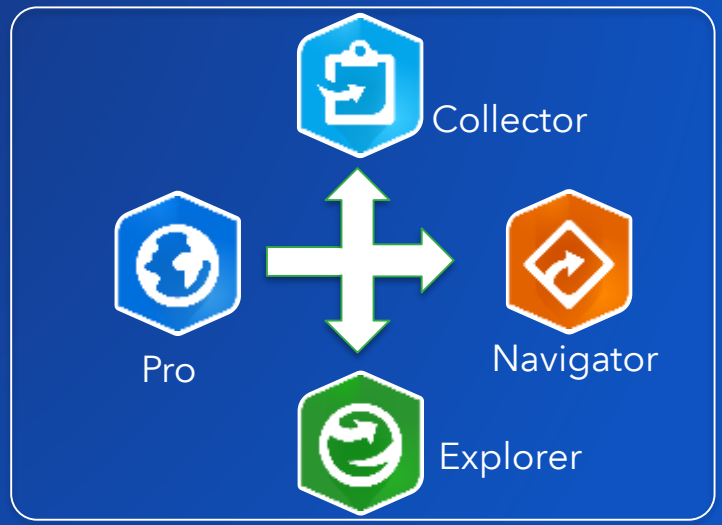


Workforce Launchpad



Forms + Maps

Prepare - Field



Third Party Integrations

Field Operations | How can you enable Field Operations?

Explorer is available to all user types, including Viewers

Includes Workforce, Collector, Survey123, and QuickCapture

Viewing | Editing | Authoring

Available in ArcGIS Online and Enterprise

Field Operations | How can you enable Field Operations?

Field Worker User Type

Comes with Workforce, Collector, Survey123, and QuickCapture

Can use Explorer

Add premium apps as needed

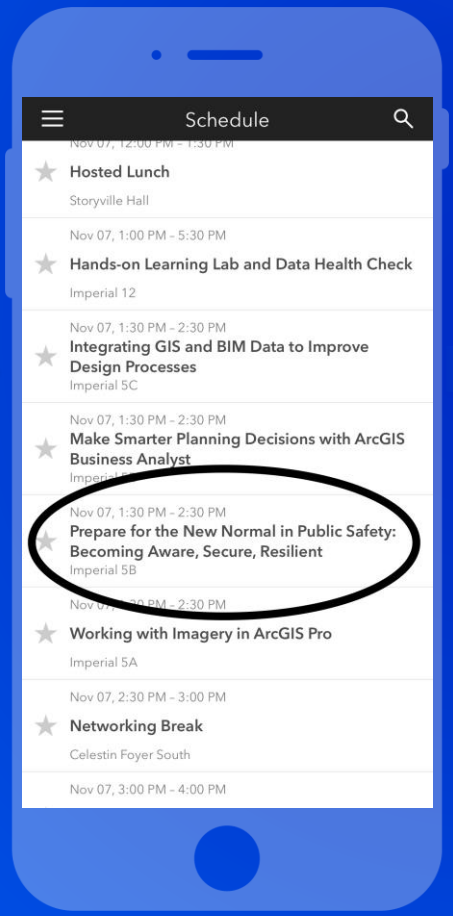
Navigator

Tracker

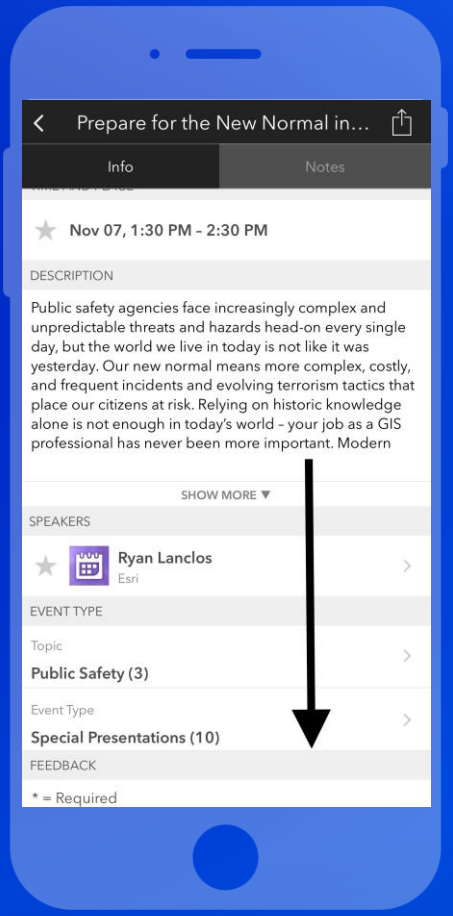
Give Us Your Feedback

Download the Esri Events app and find Mid-Atlantic UC

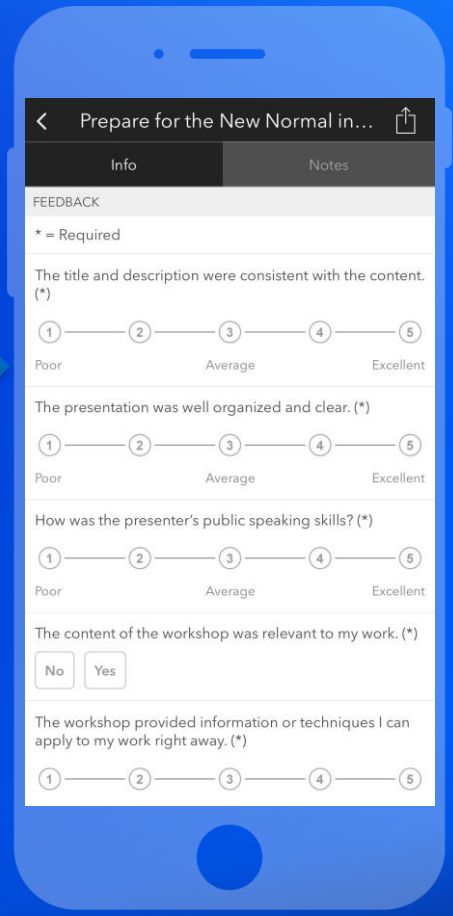
From the schedule, select the session you attended



Scroll down below the description to find the feedback section



Complete answers and select “Submit”



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