Collector for ArcGIS

An Introduction
Collector for ArcGIS

- Web Maps
- Work Offline
- High Accuracy GPS
Collector for ArcGIS | How is it being used?

- Collect and Maintain Data
- Capture Observations
- Perform Rapid Assessments
Collector for ArcGIS | Asset Inventory

- Improve accuracy and currency of data
- Modernize field workflows

Sign Inventory

UAV Flight Control

Hydrant Collections
Collector for ArcGIS | Asset Maintenance

- Replace redundant, inefficient field processes
- Improve operational efficiency

Aquatic Surveys

Pipeline Operations

Mosquito Control
Collector for ArcGIS | Le-Ax Water District

Travis Anderson
Civil Engineer
Deploying Mobile Solutions | Collector uses Web Maps

- **Collector uses maps that include:**
  - Layers from 1+ feature services (editable)
  - Location Tracking layer (optional)
  - Basemap
  - Application settings
  - Offline Mode advanced settings

- **Share Maps to field workers using Groups:**
  - Create Named Users for each field worker
  - Invite field workers to groups
  - Share maps into groups
Collector for ArcGIS: Edit Using Feature Layers

• **Supported Types:**
  - ArcGIS Online (Hosted)
  - ArcGIS Server (On Premise)

• **Supported Operations:**
  - Editing options
  - Sync capabilities

• **Popups and fields:**
  - Define the form experience in Collector
  - Take advantage of Geodatabase capabilities
    - Domains and Subtypes
    - Related Tables
    - Feature Templates
    - Field validation
    - Editor tracking
• Templates for creating new feature layers
• Use directly or fine tune them with the map viewer

• Examples:
  - AEDs Inventory
  - Boom Placement
  - Bridge, guardrail inventory
  - Water quality assessment
  - Environmental Impact
  - Ground Control Points

• Over 60 Collector-based Solution Templates!
High Accuracy Data Collection
- Set a location provider
- Define a location profile
- Attach accuracy information to your data
- Receive alerts and notifications
- GPS averaging

Additional Enhancements
- SD card support for basemaps (Android)
- Renaming media

App Integration
- Workforce, Navigator

Collector HA Python Scripts
Collector URL Scheme
Collector What’s Coming This Year

Early Q3
- **Trimble Catalyst (Android)**
- 95% confidence interval
- Coordinate unit display
Collector – The Big New Thing

- Better maps
  - Labels, Advanced symbology
  - Vector basemaps
- High Accuracy
  - Support Z values
- New user experience
  - Collect experience
  - Map/Form experience
- Offline
  - Pre-planned workflows
- Smarter forms
  - More input types (Barcodes, QR codes)
  - Arcade expressions
  - Grouping, conditional visibility*
- Simpler deployments
  - Pre-configured settings
  - Restrictions
Demo
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