



Survey123 Update

February 2018

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Survey123 for ArcGIS

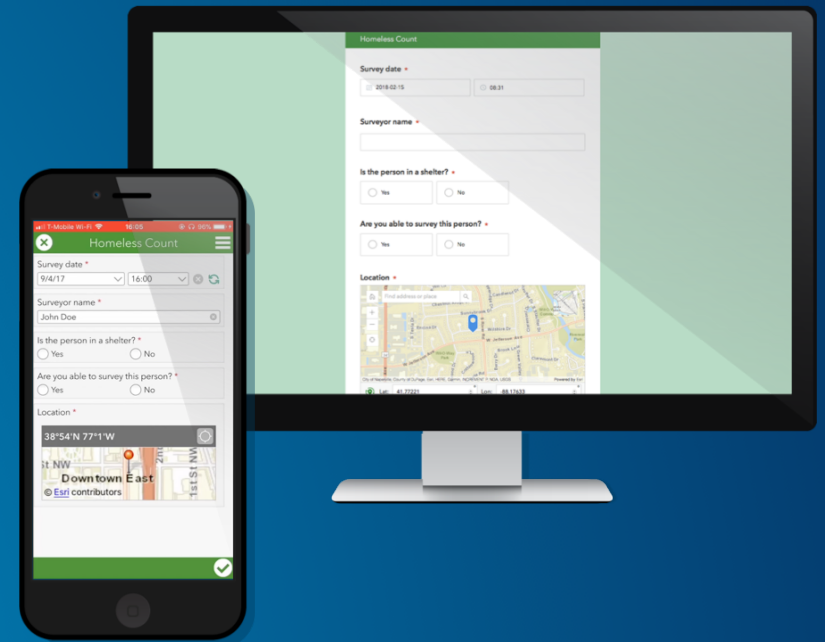
Mobile App with Form Centric Data Collection



Create smart forms

Collect anytime, anywhere

Analyze & share results





1- Ask Questions
(Design & Publish)



2- Get Answers
(Capture Data)



3- Make Decisions
(View & Analyze)

Hurricanes Harvey, Irma, Maria and Nate
August –October 2017



Improvements

5 New Things

- **Modify Table Layout**
- **Edit Existing Data**
- **Draw**
- **Record Audio**
- **Print**

Modify Table Layout

Survey123 for ArcGIS ▾ My Surveys Help Ismael ▾

Micro Litter Survey Overview **Design** Collaborate Analyze Data ↗

Modify Schema

Collected data of the survey is stored in a feature service in your named user account. The field name of a question or the code of a coded value domain can be changed before it is published. Once published, changes are not allowed.

Label ⓘ	Name ⓘ	Field Type	Field Length
Date of survey	surveydate	esriFieldTypeDate	255
<input checked="" type="radio"/> Did you find micro litter in the area?	litterfound	esriFieldTypeString	255
· Yes	yes		
· No	no		
Provide details and include a photo	details	esriFieldTypeString	2500
Location	location	esriFieldTypeGeometry	

Publish Survey

All changes will be saved. Are you sure you want to publish the survey?

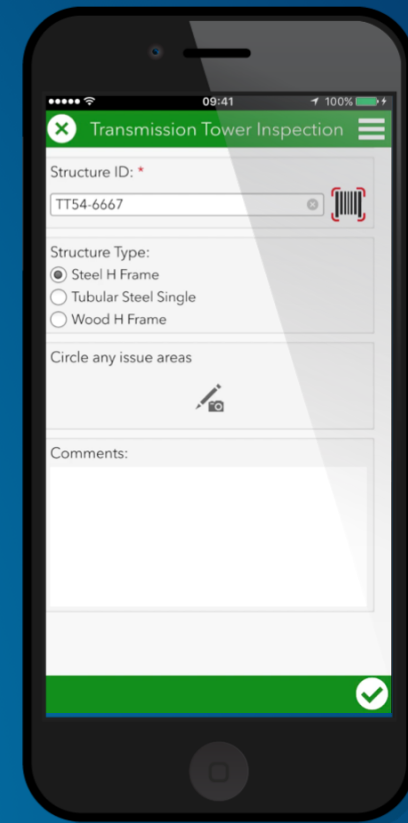
[Modify schema](#)

Inspection Workflows (Editing)

- **Work with existing data (federated services)**
- **Support for controlling the editing experience**
 - Add new records or update existing records?
 - Define which features to update
 - Control which fields are updated
- **Related Record Support**
 - General asset information / individual inspection
 - Overall condition/component condition

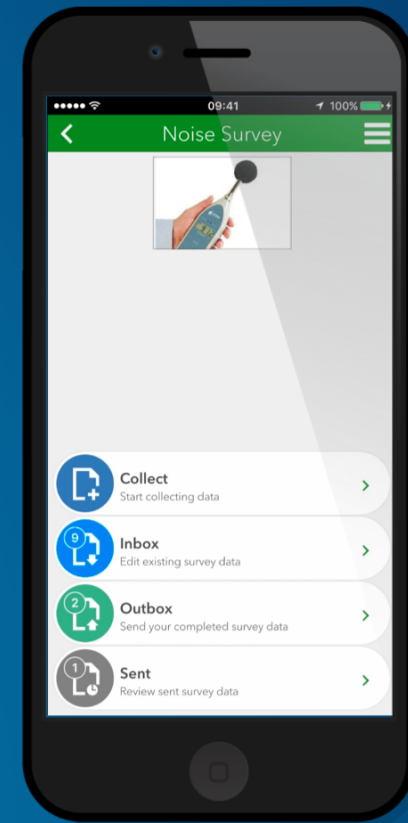
Sketching/Photo Enhancements

- Enhances inspection workflows
- Uses grids, diagrams or actual photos
- Access location of photos – separate from form location



Audio Recording

- Significant request within Citizen Science collection activities (animal calls)
- Stored as attachments
- Challenge: Exposing collected audio content in apps



Better Reports

- Reporting on the web
- Flexible templating system using MS Word

The screenshot displays the Survey123 web interface for a manhole inspection. The browser address bar shows the URL: survey123.arcgis.com/survey/2d569b269442d90bc0ca9007964/data. The page title is "Manhole_Inspection" and the navigation bar includes "Overview", "Design", "Collaborate", "Analyze", and "Data". The main content area is divided into a map view on the left and a data table on the right. The map shows a street grid in Redlands, CA, with a blue dot indicating the inspection location at 380 New York Street. The data table below the map lists the inspection details:

Inspection Date & Time	Weather	Facility ID	Location Description	Cover Type	Specify other.	Material	Manhole Depth	Diameter
Dec 18, 2017	☀	0055874	380 New York Street, Redlands CA, 92373	Large - Water Tight		Cast Iron	20	48

Additional information on the right side of the interface includes: Submitted By: survey123demo, Submitted Time: 12/18/17 11:03 AM, Inspection Date & Time: 12/18/17 10:48 AM, Weather: ☀, Facility ID: 0055874, and GPS Location: Lat: 34.058 Lon: -117.196. A smaller map below the GPS location shows the location in Redlands, CA, with the address 380 New York Street, Redlands CA, 92373.

What's Coming

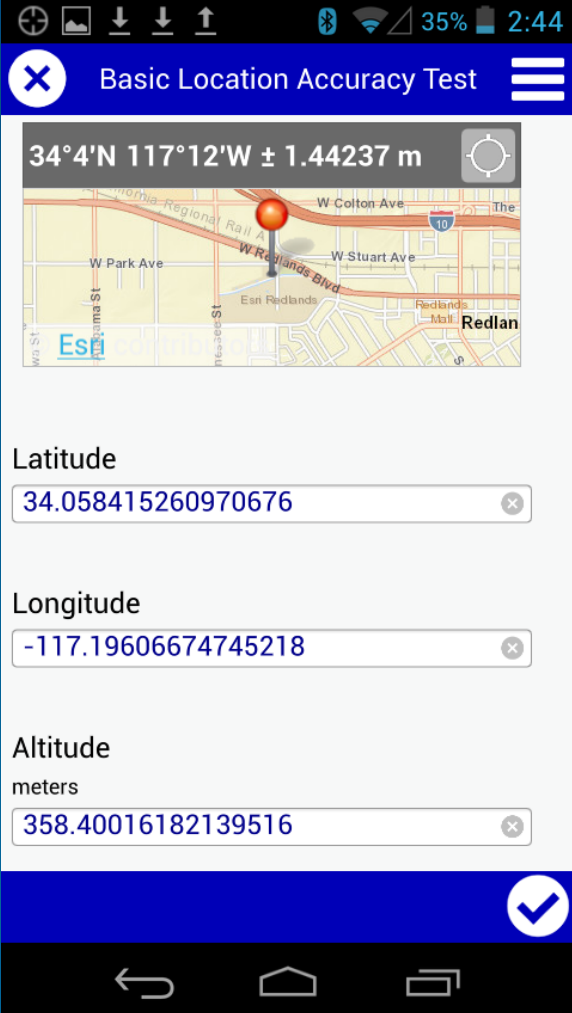
External Devices: Spike

- **Rangefinder + Device's Camera**
- **Measure**
 - Distances
 - Length/Area in photo
- Ex: Video demonstration



External Devices: GNSS receivers

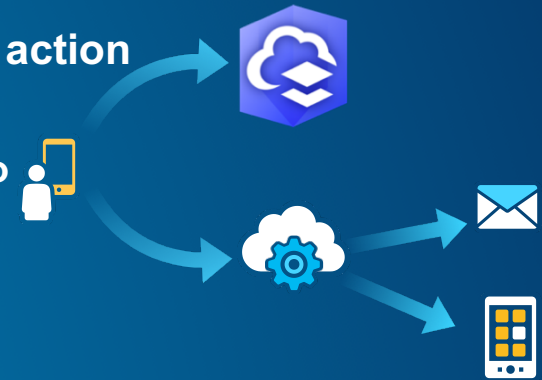
- Survey123 supports some 'better accuracy' workflows
- In progress: direct connection to external GPS receivers for true high accuracy workflows
- If you have interested customers, let us know!
 - Which devices?



The screenshot shows a mobile application interface titled "Basic Location Accuracy Test". At the top, there is a status bar with icons for zoom, camera, download, upload, Bluetooth, Wi-Fi, signal strength, 35% battery, and the time 2:44. Below the status bar is a blue header with a close button (X) and the title "Basic Location Accuracy Test", along with a hamburger menu icon. The main content area features a map showing a location in Redlands, CA, with a red pin. Above the map, the coordinates and accuracy are displayed: "34°4'N 117°12'W ± 1.44237 m". Below the map, there are three input fields for location data: "Latitude" with the value "34.058415260970676", "Longitude" with the value "-117.19606674745218", and "Altitude" with the value "358.40016182139516" and the unit "meters". At the bottom of the form is a blue bar with a white checkmark icon, indicating a successful save or confirmation. The very bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

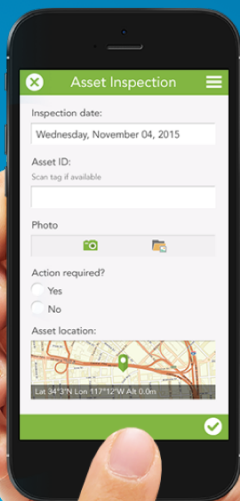
Post-Submission Actions

- **Configure additional actions to occur after a form is submitted**
 - E-mail a customer
 - Log in a secondary system
- **Will use a 3rd party provider to configure, accomplish the action**
 - Providers generally support chaining, evaluation of form
 - Example providers: Zapier, Microsoft Flow, Integromat, Tray.io





What's coming next



Improvements

- Complex Web Forms
- Editing Related Records
- Auto-save forms
- Audio Recording
- Sketching

Near-term

- Built-in Reports
- Mobile Map Package Support
- Integration with sensors (GNSS, Spike)
- More Smart Form features
- Post-submission actions
- Geosearch/MGRS input

Mid-term

- Advanced Form Layouts
- Enhanced Survey Templates
- Form update notification
- Polygonal/Linear feature collection

**Subject to change*

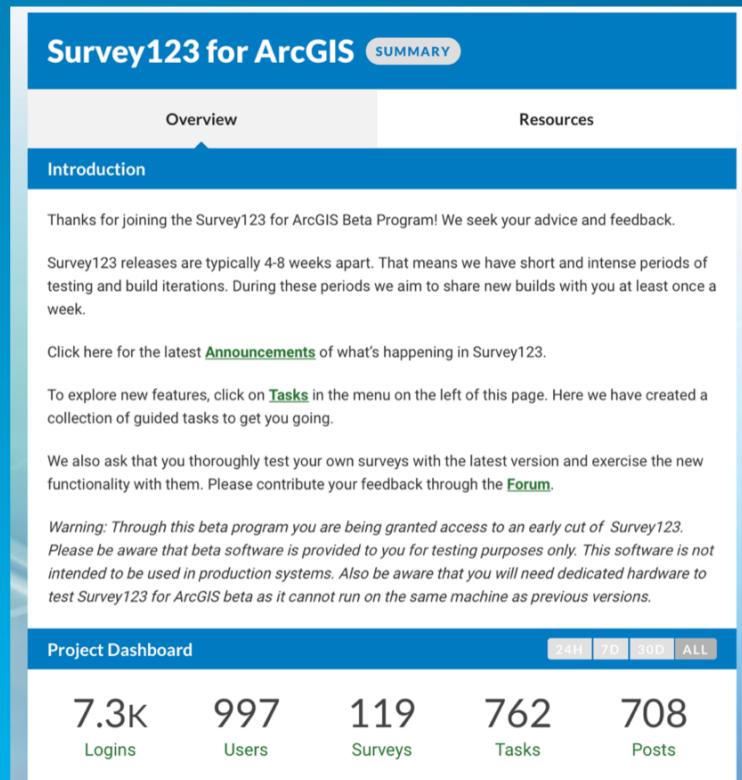
Survey123 for ArcGIS

Release Cycle

- **≈6-8 week release cycle**
- **Product Priorities derived from customer feedback through**
 - **GeoNet : <https://geonet.esri.com/groups/survey123>**
 - **<https://ideas.arcgis.com>**
 - **Talk to the your Account Manager & Survey123 team**
- **2.6: January 23**
- **2.7: Late March**

Survey123 Beta Program

<https://bit.ly/S123beta>



Survey123 for ArcGIS SUMMARY

Overview Resources

Introduction

Thanks for joining the Survey123 for ArcGIS Beta Program! We seek your advice and feedback.

Survey123 releases are typically 4-8 weeks apart. That means we have short and intense periods of testing and build iterations. During these periods we aim to share new builds with you at least once a week.

Click here for the latest [Announcements](#) of what's happening in Survey123.

To explore new features, click on [Tasks](#) in the menu on the left of this page. Here we have created a collection of guided tasks to get you going.

We also ask that you thoroughly test your own surveys with the latest version and exercise the new functionality with them. Please contribute your feedback through the [Forum](#).

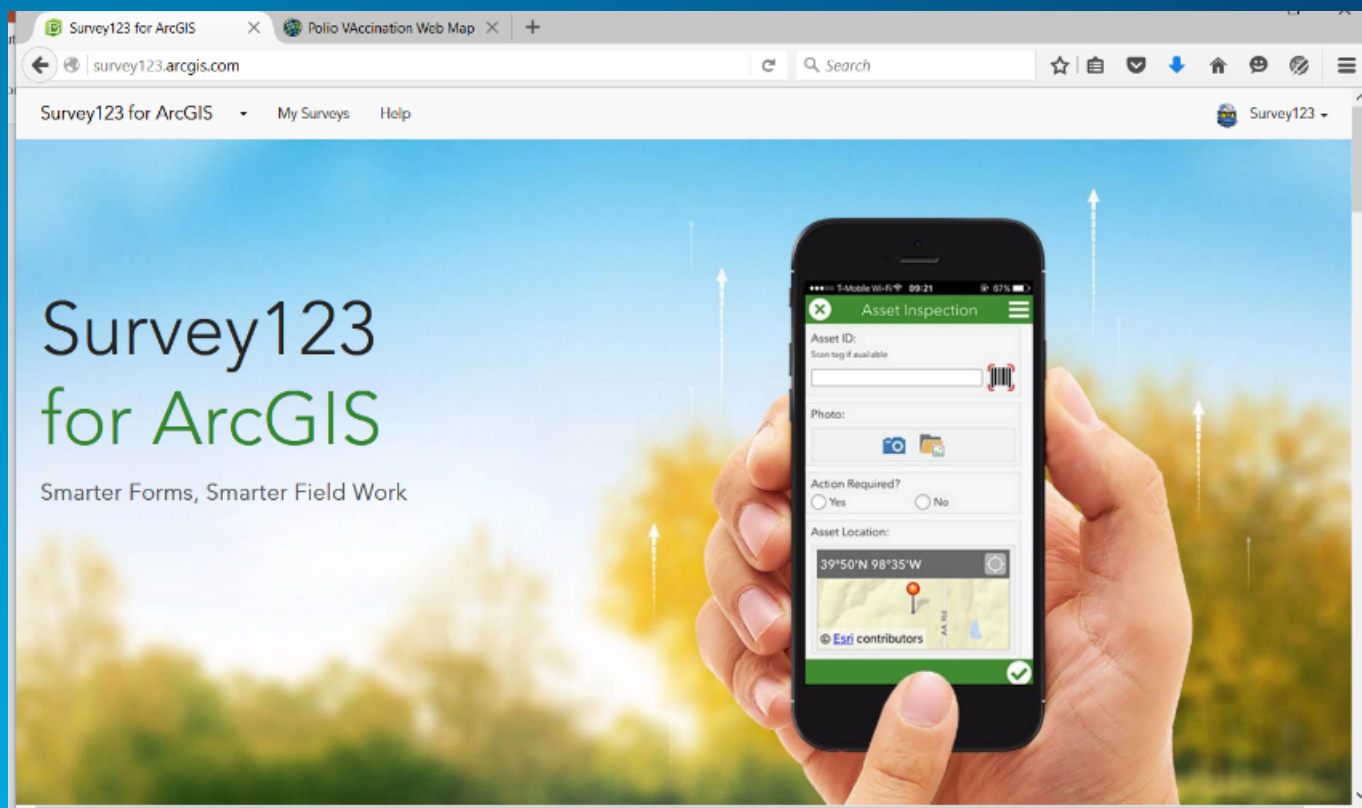
Warning: Through this beta program you are being granted access to an early cut of Survey123. Please be aware that beta software is provided to you for testing purposes only. This software is not intended to be used in production systems. Also be aware that you will need dedicated hardware to test Survey123 for ArcGIS beta as it cannot run on the same machine as previous versions.

Project Dashboard 24H 7D 30D ALL

7.3K	997	119	762	708
Logins	Users	Surveys	Tasks	Posts

- “Continuous beta” - open indefinitely to facilitate testing
- Direct download Android, Windows, Mac iOS via TestFlight app (register for access)
- Updated every ~1-2 weeks during development
- Holistic testing for each release
- Guides for new features

survey123.arcgis.com



<https://survey123.arcgis.com>

Survey123 Documentation

Help Documentation

Blog @ GeoNet

Tutorial Videos @ YouTube

The screenshot shows the Survey123 for ArcGIS website. At the top, there is a navigation bar with links for Home, Reference, Create Surveys, Get Assets, and Analyze Results. The main heading is "Smarter Forms, Smarter Field Work". Below this, a sub-heading states: "Survey123 for ArcGIS is a simple and intuitive form-centric data gathering solution that makes creating, sharing and analyzing surveys possible in just three easy steps." There is a search bar with the text "Search Survey123 for ArcGIS". Below the search bar, there are four columns of content, each with a small image and a title: "Create a survey on the web", "Create a survey on the desktop", "Explore the field app", and "View survey results".

The screenshot shows a GeoNet blog post. The title is "Star Wars Day Release" with a Star Wars logo. Below the title, it says "Blog Post created by Marika Vertzonis on May 15, 2016". There are icons for "Like" (3) and "Comment" (4). The main text of the post is titled "Star Wars Day Update (May)" and discusses the release of the movie "May the Fourth be with you!". At the bottom, there is a link to "Survey123.arcgis.com" with a brief description of the site's features.

The screenshot shows a YouTube channel page for Survey123. The channel name is "Survey123" and it has 22 videos and 46,380 views. The page lists several video tutorials, including "Survey123 for ArcGIS Product Overview", "Survey123 for ArcGIS: Creating Smart Forms with Survey123 Web Designer", "Survey123 for ArcGIS XLSForm Tutorial 1 of 5 Creating and Publishing Surveys", "Survey123 for ArcGIS XLSForm Tutorial 2 of 5 Creating Selection Questions in a Survey", "Survey123 for ArcGIS XLSForm Tutorial 3 of 5 Collecting Images and Signatures in a Survey", "Survey123 for ArcGIS XLSForm Tutorial 4 of 5 Enabling Survey Questions with the Relevant Property", and "Survey123 for ArcGIS XLSForm Tutorial 5 of 5 Creating Groups and Using HTML tags in a Survey".

Survey123 Community in GeoNet

The screenshot shows the Survey123 for ArcGIS group page on the GeoNet website. The page header includes the GeoNet logo and navigation links such as Home, News, Communities, All Content, ArcGIS blogs, and Community Help. The main content area features a 'Group Overview' section with a welcome message, a 'Getting started' section with a video player, and an 'Ask Survey123 for ArcGIS' section with a search bar. A yellow arrow points from the 'Getting started' video player to the 'LATEST BLOG POSTS' section on the right.

The 'LATEST BLOG POSTS' section lists several recent articles:

- Calculating distances between multiple Geo-Points in a survey with the Haversine Formula** by Deon Lington, 14 hours ago.
- Survey123 Progress / Increment Bar without AppStudio** by Deon Lington, 2 days ago.
- Use Arcade to Improve Survey123 Other Answers in Pop Ups** by Carmel Connolly, 3 weeks ago.
- Working with EXIF image metadata in Survey123 for ArcGIS** by Ismael Chivite, 1 month ago.
- Making Other Work Harder in Survey123 Results** by Carmel Connolly, 1 month ago.
- Updating the media folder of a Survey123 Form item** by Philip Wilson, 1 month ago.
- Survey123 Beta Update** by James Tedrick, 1 month ago.
- Another Other in Survey123** by Carmel Connolly, 1 month ago.
- A simple e-mail notification system for Survey123 for ArcGIS** by Ismael Chivite, 1 month ago.
- Creating 'Ticket Numbers' in Survey123 for ArcGIS** by Ismael Chivite, 2 months ago.
- GIS Day Release (2.5)** by Ismael Chivite, 2 months ago.

<https://community.esri.com/groups/survey123>



esri

THE
SCIENCE
OF
WHERE