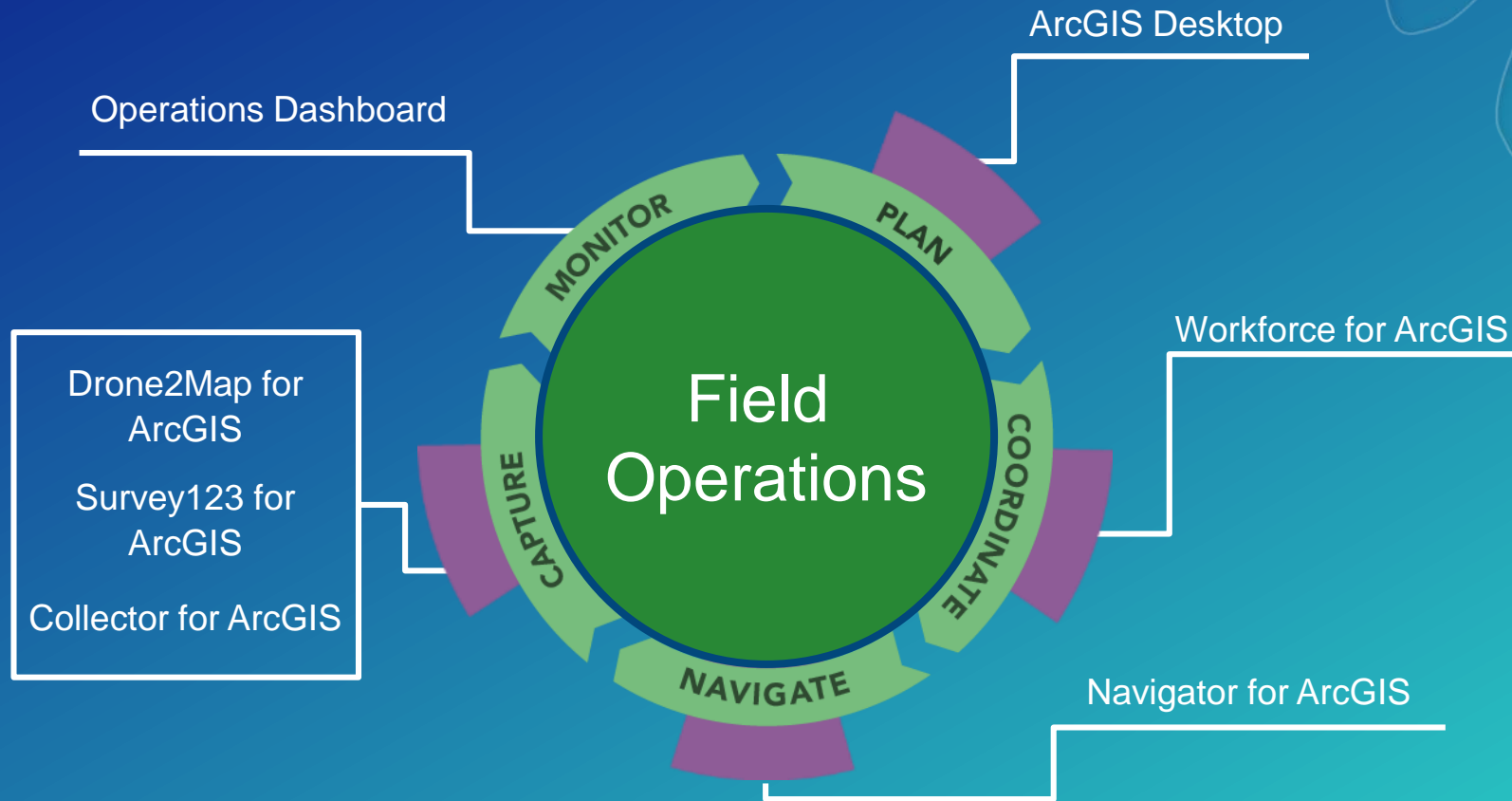


# Using Collector for ArcGIS and Survey123 for ArcGIS to Improve Utility Field Workflows

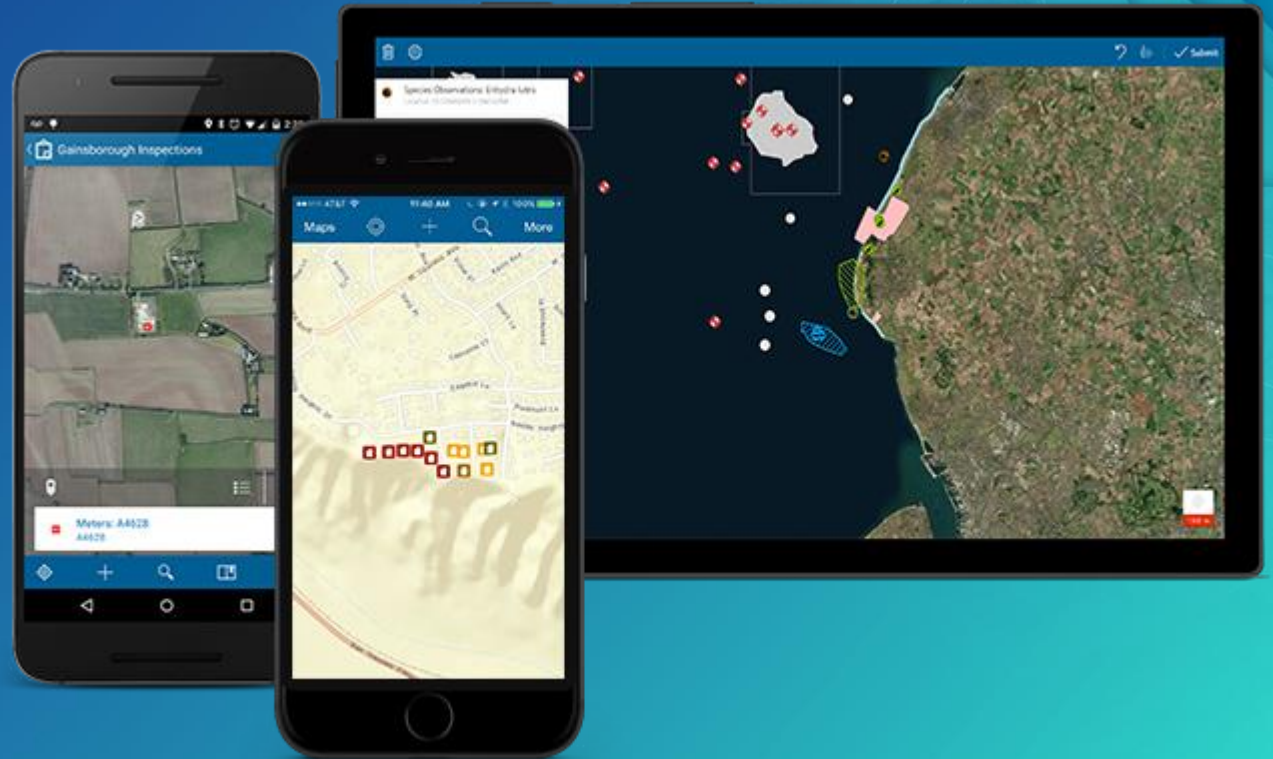
Clare Price

# Apps for the Field



# Collector for ArcGIS

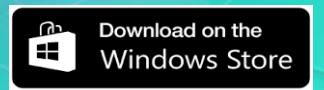
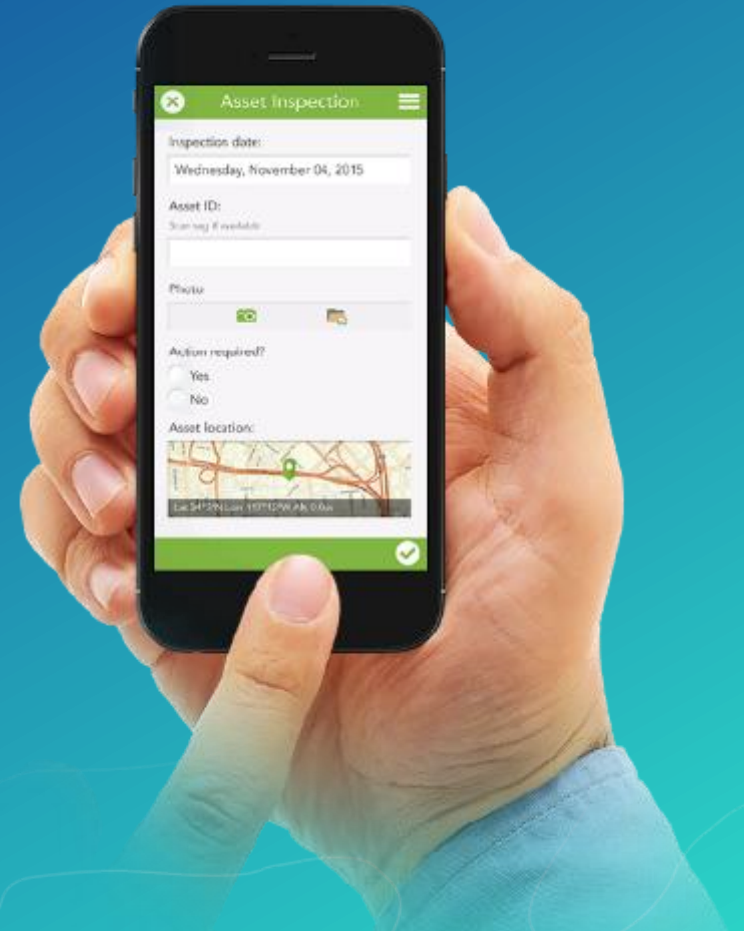
- Map Centric Data Collection
- High Precision
- Works offline





# Survey123 for ArcGIS

- Forms created via web or desktop
- Smart form capabilities
- Visualization of results



# When to Use What App?

## Form app comparison

Functionality	Survey123	Collector	GeoForm
Data collection style	Formcentric	Mapcentric	Formcentric
Supports capture of new data	Yes	Yes	Yes
Supports editing existing data	Yes	Yes	No
Smart forms	Yes (XLSForm)	No	No
Works offline	Yes	Yes	No
Supports anonymous access	Yes	No	Yes
Platforms	iOS, Android, Windows, Mac, Linux, Web	iOS, Android, Windows	Web
Technical Support	Esri and the community	Esri and the community	Esri and the community

# Using Apps Together

## Outfall Inventory and Inspection

**OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET**

**Section 1: Background Data**

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

**Section 2: Outfall Description**

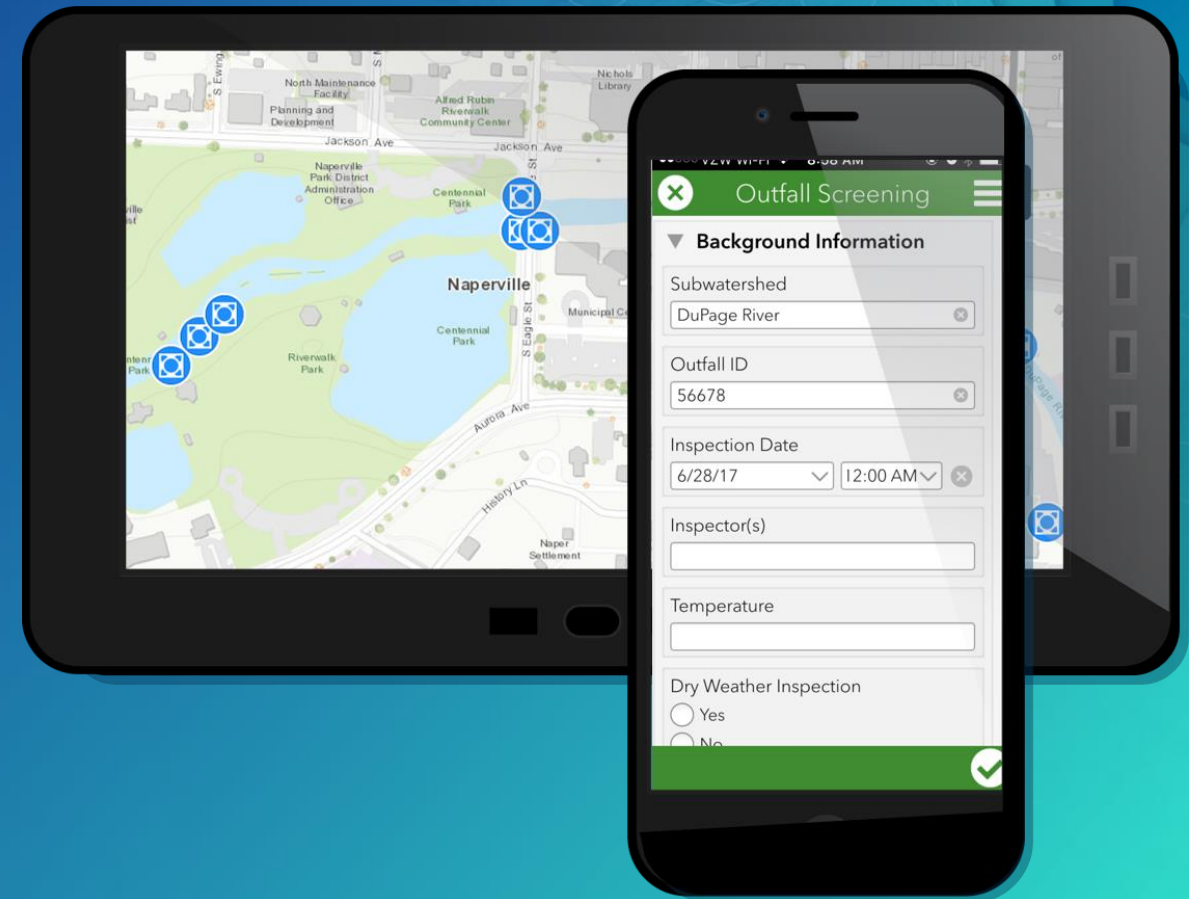
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____  In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully  With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (if present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

**Section 3: Quantitative Characterization**

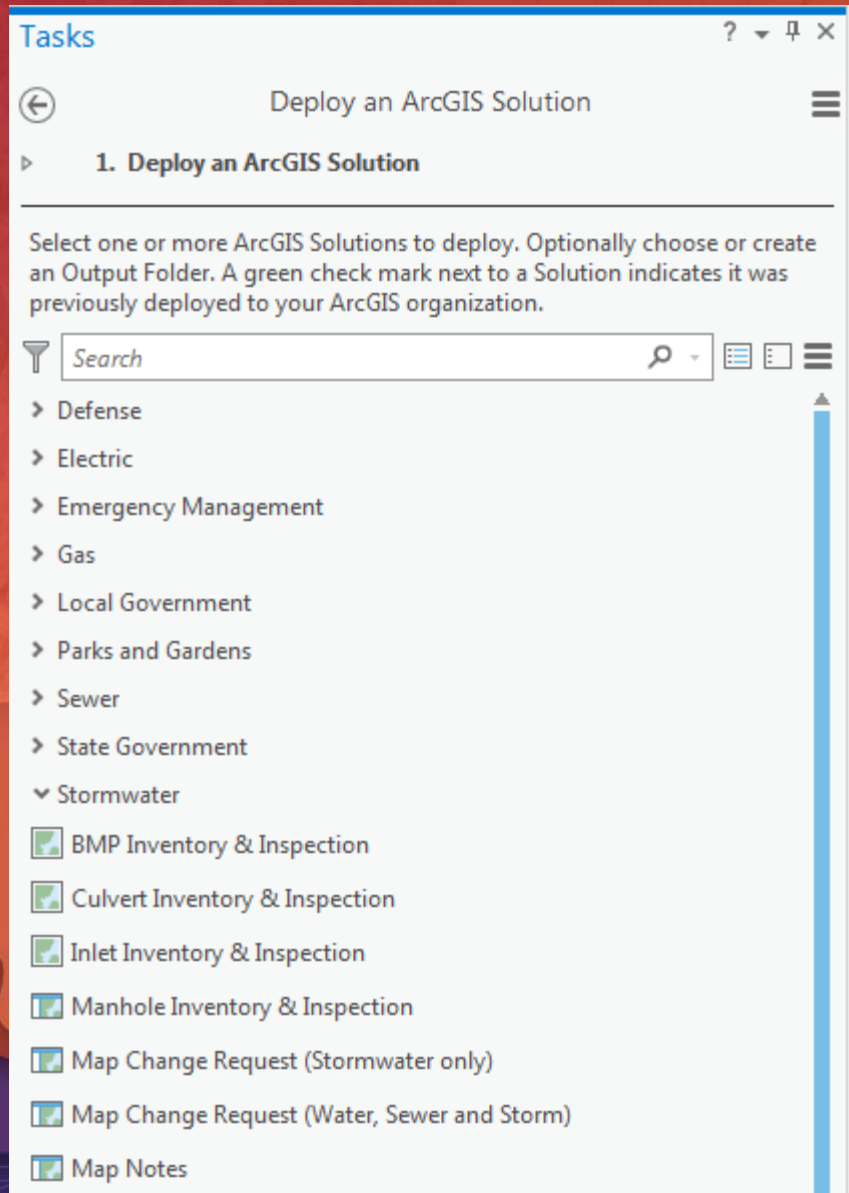
FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
	Flow depth	In	Tape measure	
<input type="checkbox"/> Flow #2	Flow width	Ft, In	Tape measure	
	Measured length	Ft, In	Tape measure	
	Time of travel	S	Stop watch	
	Temperature	°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

*Illicit Discharge Detection and Elimination: Technical Appendices*

D-3





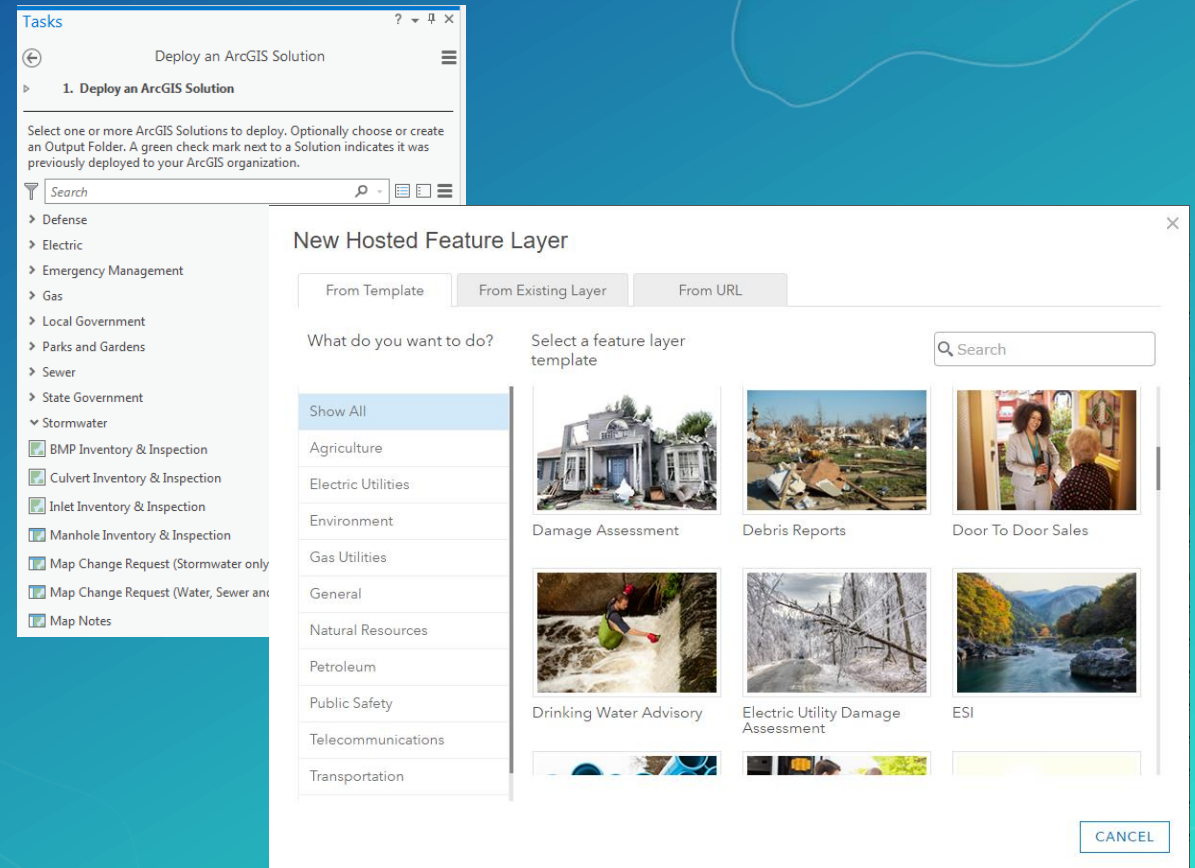


# Deploy

Using ArcGIS Pro and the ArcGIS  
Solutions Deployment Tool

# Deploy

- ArcGIS Solutions Deployment Tool
  - Solutions for 11 industries
  - Steps for configuring and loading data
- ArcGIS Hosted Feature Templates
  - ArcGIS Online and ArcGIS Enterprise





Home ▾ Outfall Inventory & Inspection

New Map Create Presentation Clare ▾

Details Add ▾ Edit Basemap Analysis Save Share Print Find address or place

### Configure Pop-up

#### Discharge Point

☒ Show Pop-ups

**Pop-up Title**  
Facility ID: {FACILITYID}

**Pop-up Contents**  
Display:  
A custom attribute display

**CONFIGURE**

**Configure Attributes**  
☒ Show feature attachments as links

**Attribute Expressions**  
Adding expressions allows you to create new information from existing

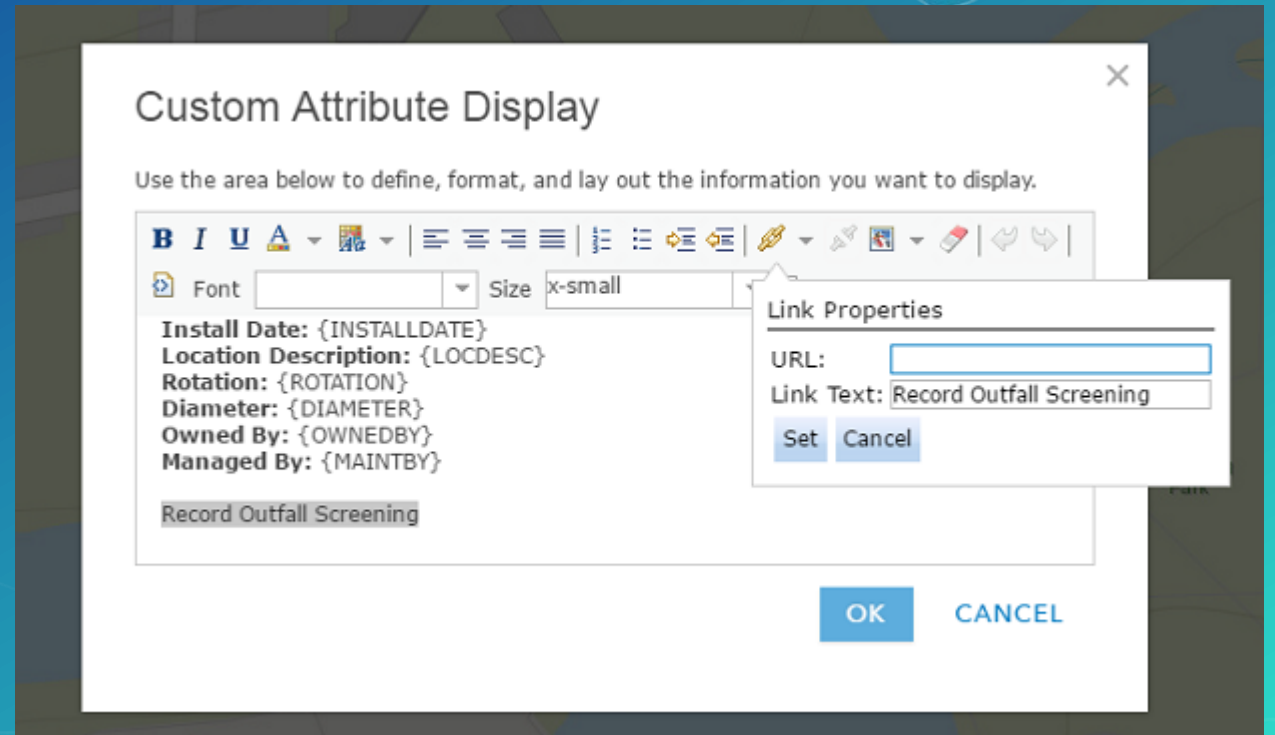
**OK CANCEL**

# Configure

## Using ArcGIS Online

# Configure

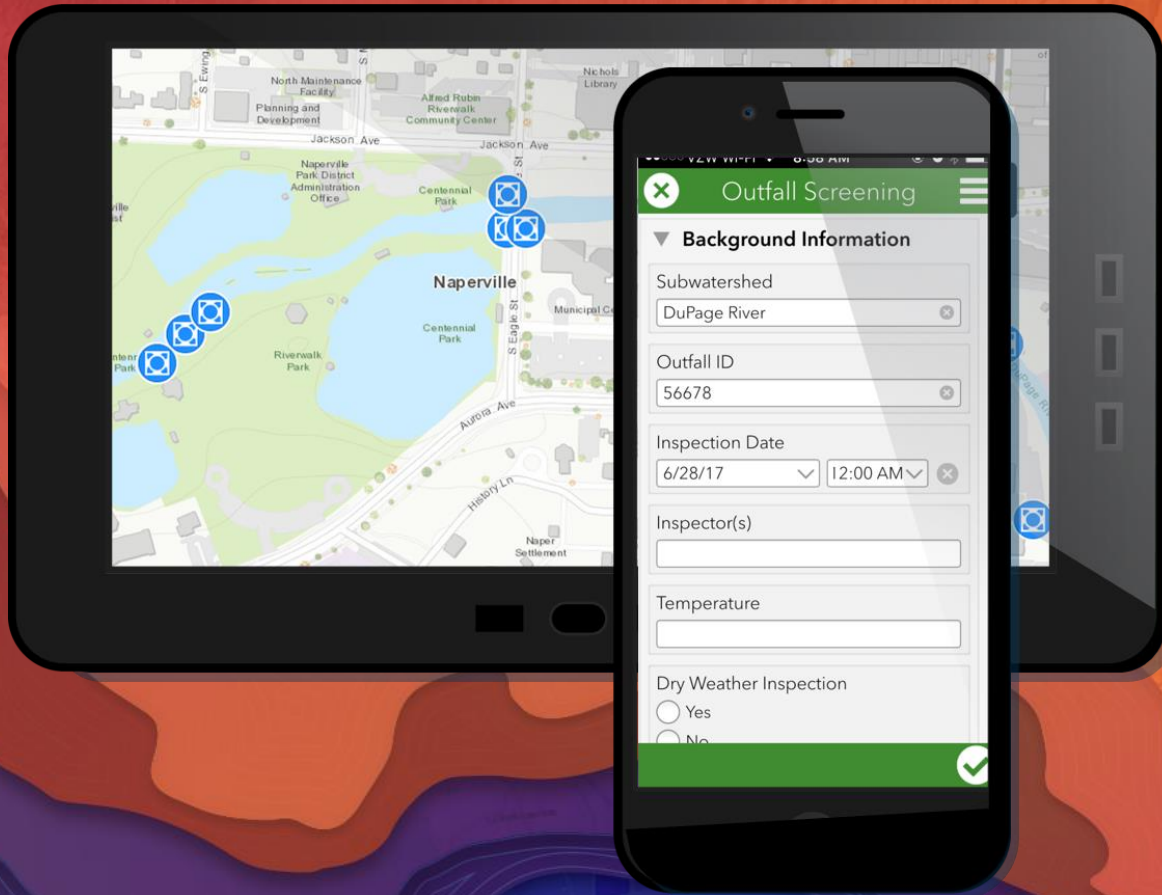
- Web Map and Form Properties
- Additional Configuration
  - Pop-ups with custom URL





# Collect

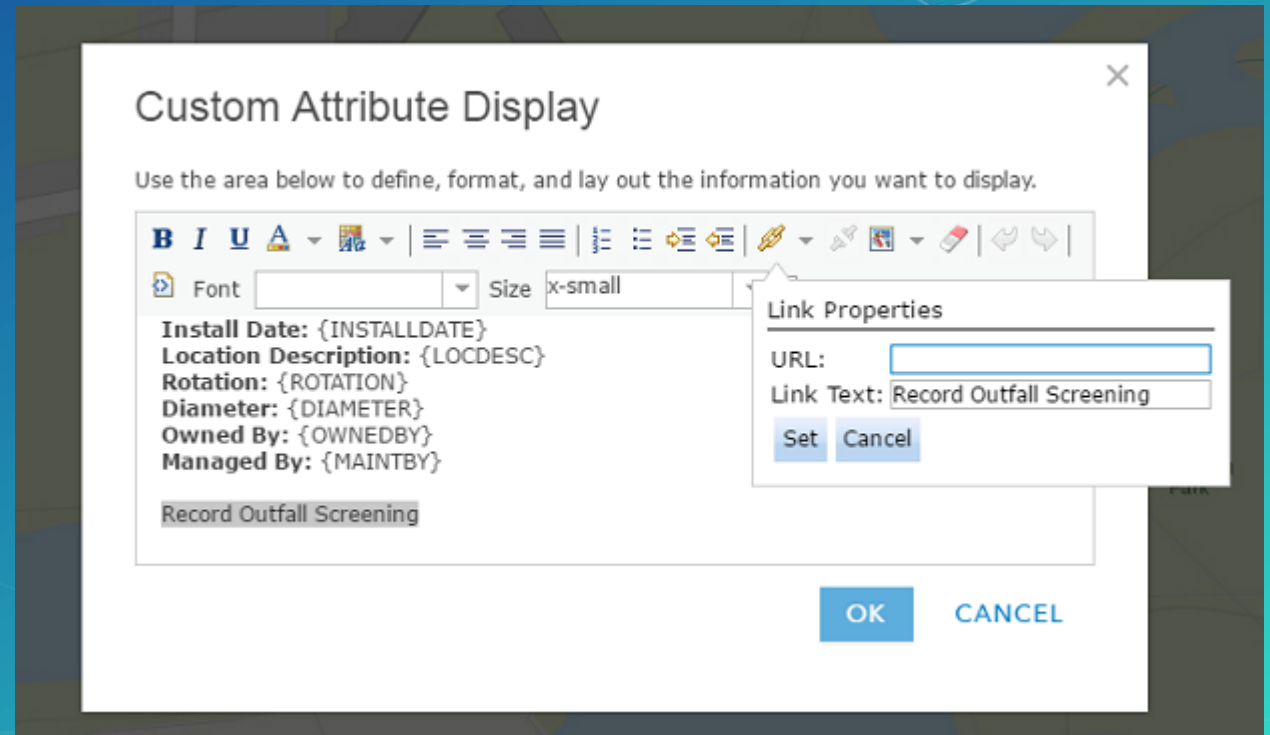
Using Collector for ArcGIS and  
Survey123 for ArcGIS





# Collect

- To meet your organization's needs
  - Add Fields
  - Modify Domains
- Load your Data
  - Append
  - Copy and Past
  - Data Assistant Add-In
- Additional Configuration
  - Pop-ups with custom URL



# Questions



# Please Take Our Survey on the Esri Events App!

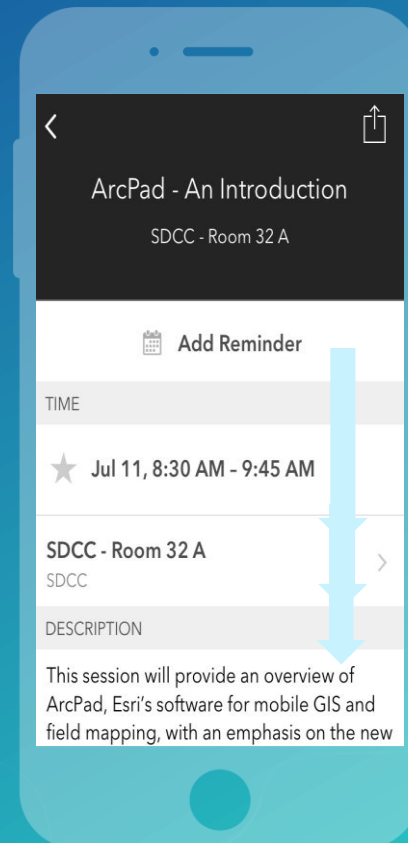
**Download the Esri Events app and find your event**



**Select the session you attended**



**Scroll down to find the survey**



**Complete Answers and Select "Submit"**







esri

THE  
SCIENCE  
OF  
WHERE