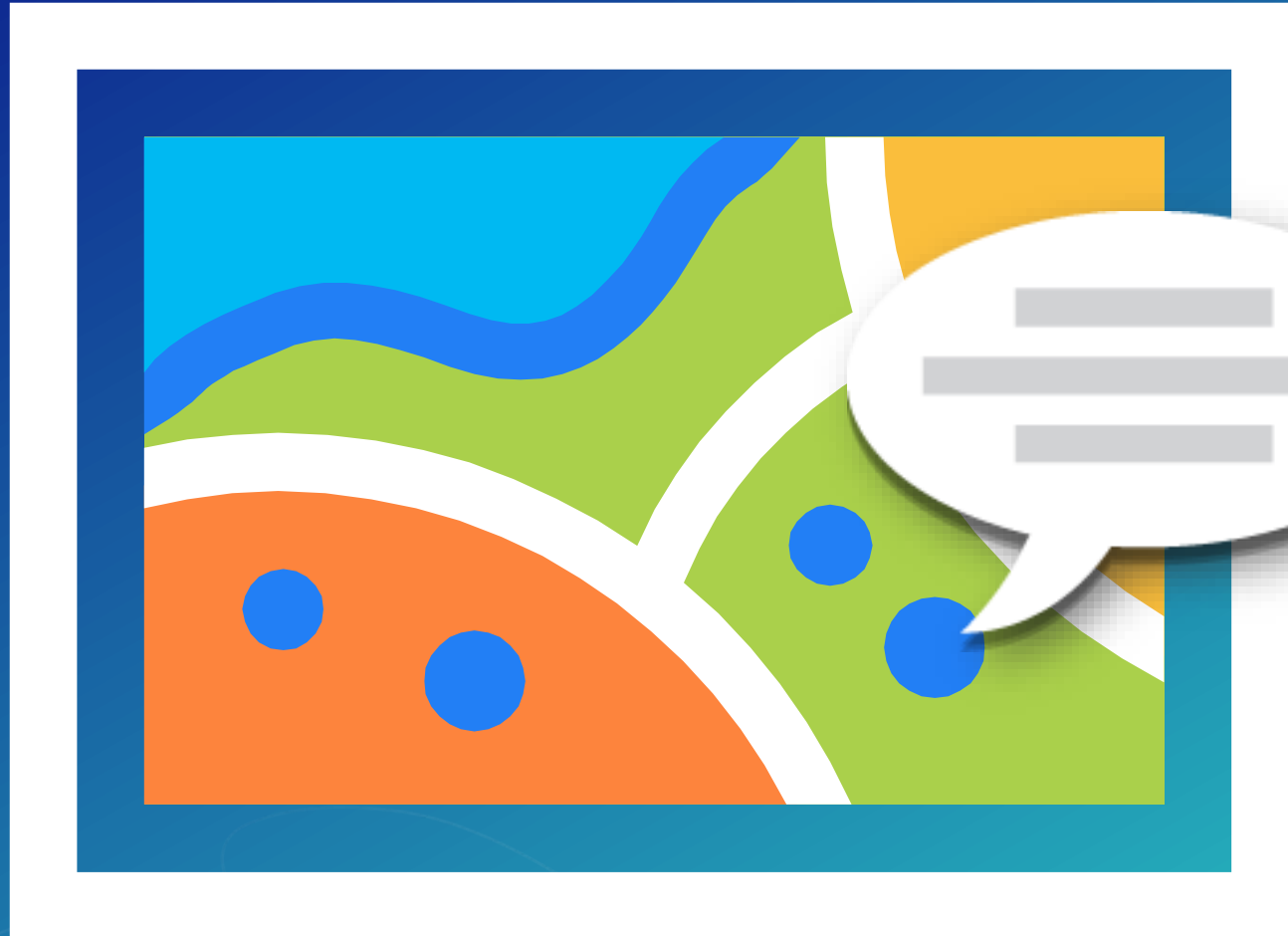


Tips and Tricks for Configuring Pop-ups

BONNIE STAYER



ddock
ights

EPA_Region_3_Monit

REG_ID 110,000,3
Facility EASTALCO
Name COMPANY
Address 5601 MAN
City FREDERIC
State MD
Zip 21703
Latitude 39.35
Longitude -77.49
Facility [More info](#)
Page
FID 1,626

[Zoom to](#)

WebIndex_Full:

Rank 40
Country Venezuela
Web Index 39.72
Impact 38.68
Economic 30.49
Political 33.15
Social 50.64
Readiness 45.37
Communications 44.43
Institutional 48.61
The Web 39.79
Use 36.35

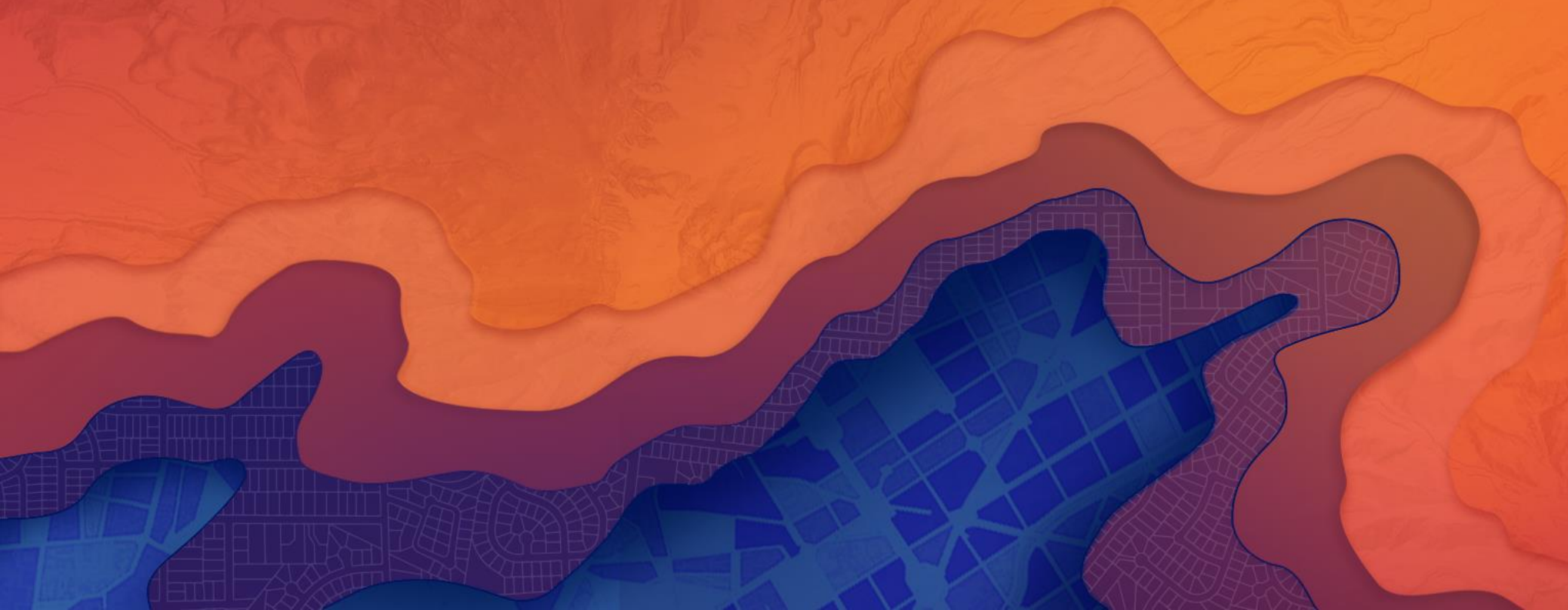
[Zoom to](#) [Get Directions](#)

36States:

umber_QHPs 5
west_Bronze 1
west_Silver 1
west_Gold 2
west_Catastrophic 1
Income_2ndLowestSilver 1
Income_2ndLowestSilv_1 1
Income_Lowest_Bronze_A 8
dLowestSilver_BTC 6
dLowestSilver_ATC 2

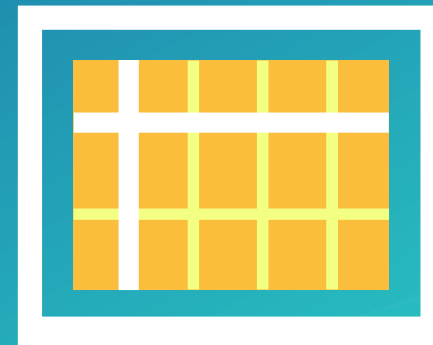
[Get Directions](#)

Planning and Design



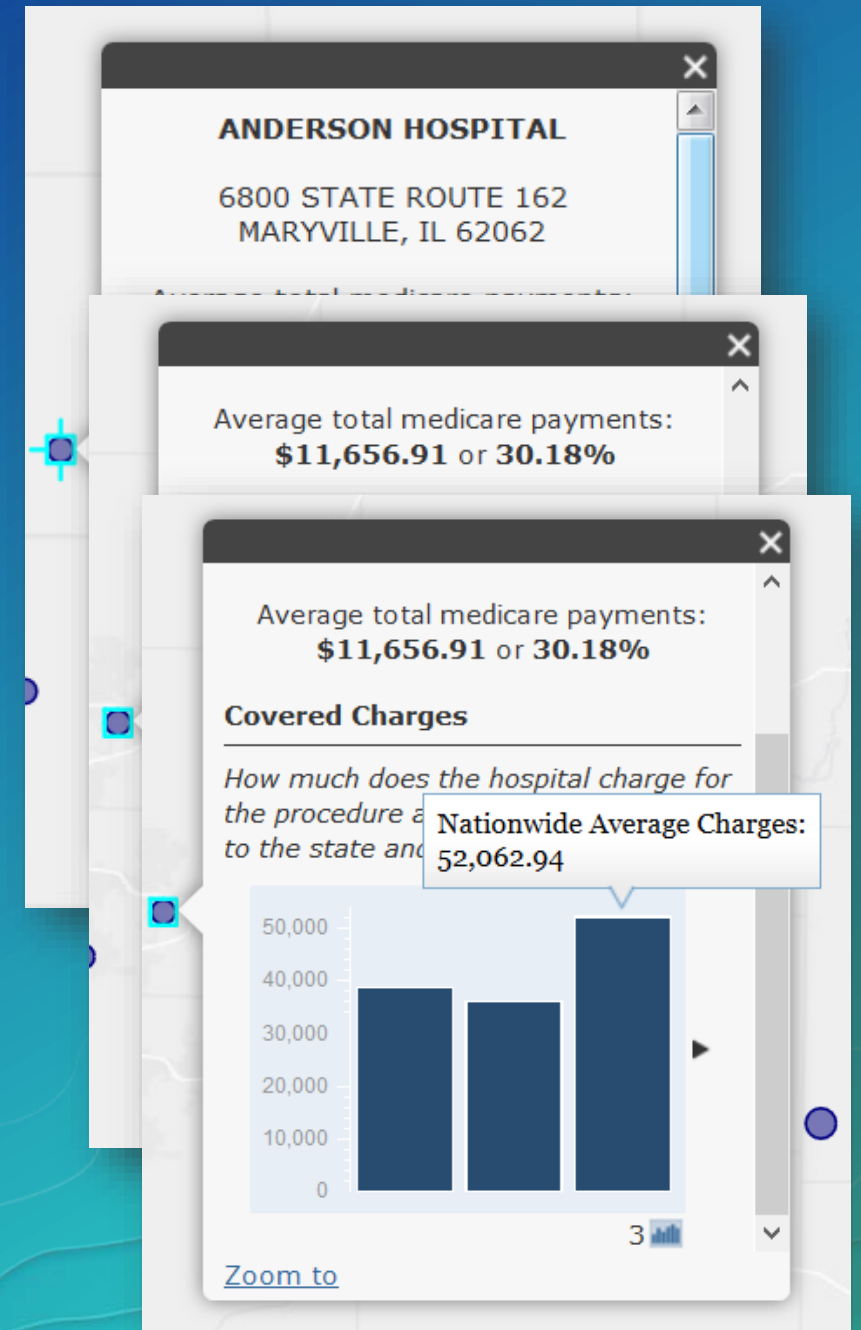
Planning

- Message/Audience
 - What are you trying to communicate?
 - To whom are you trying to communicate it?
 - General audience, technical audience, managers/decision makers
- Know the Data
 - What are your attributes describing?
 - What do their values mean?
 - Numerical units
 - String field values



What to Include

- What is the most important piece of information?
 - Put at top; make it obvious
- Context
 - How does data compare to some average or benchmark?
- Should numeric data be displayed as raw values or in a chart?
- Do you have images or hyperlinks?

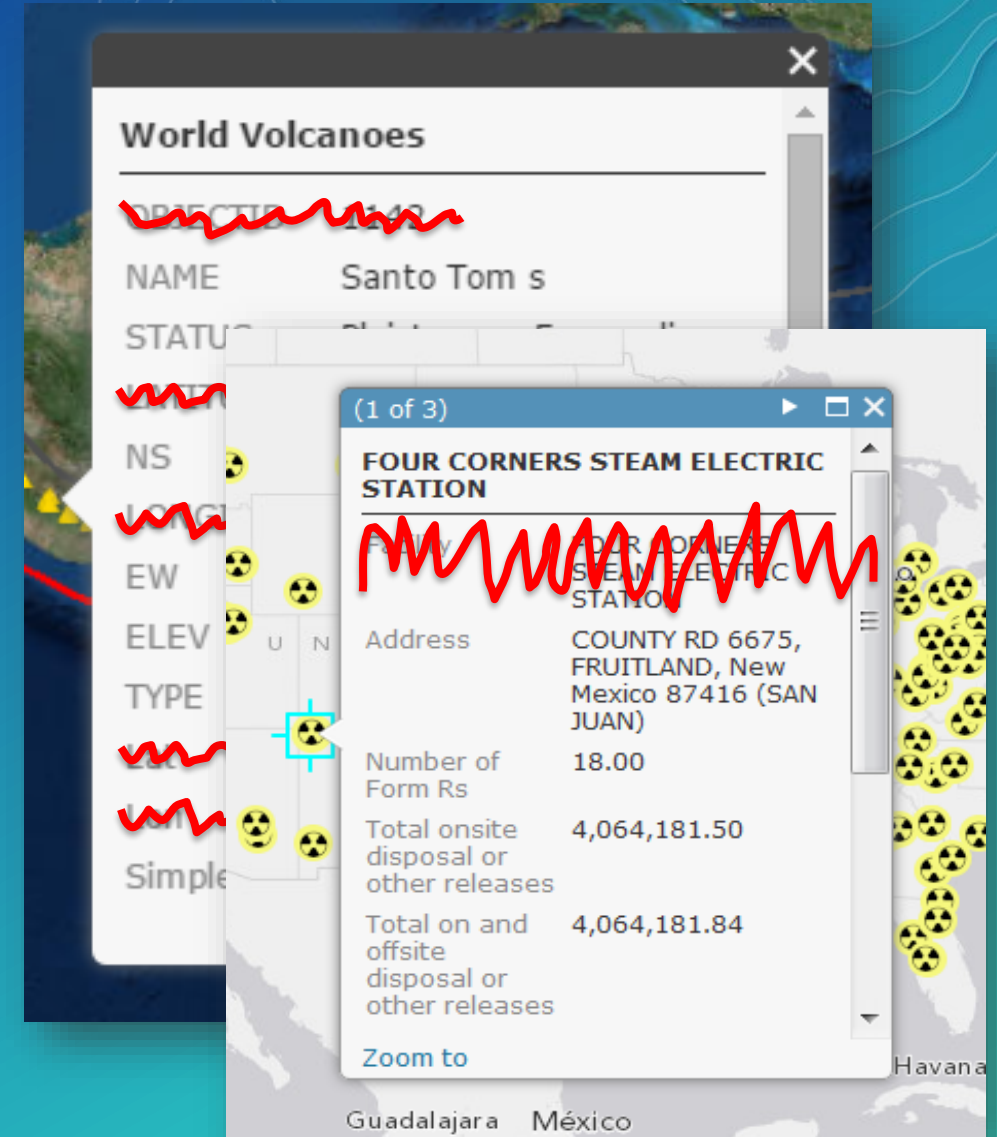


What Not to Include

or, WHY ARE YOU YELLING AND WHAT'S AN OBJECT ID?

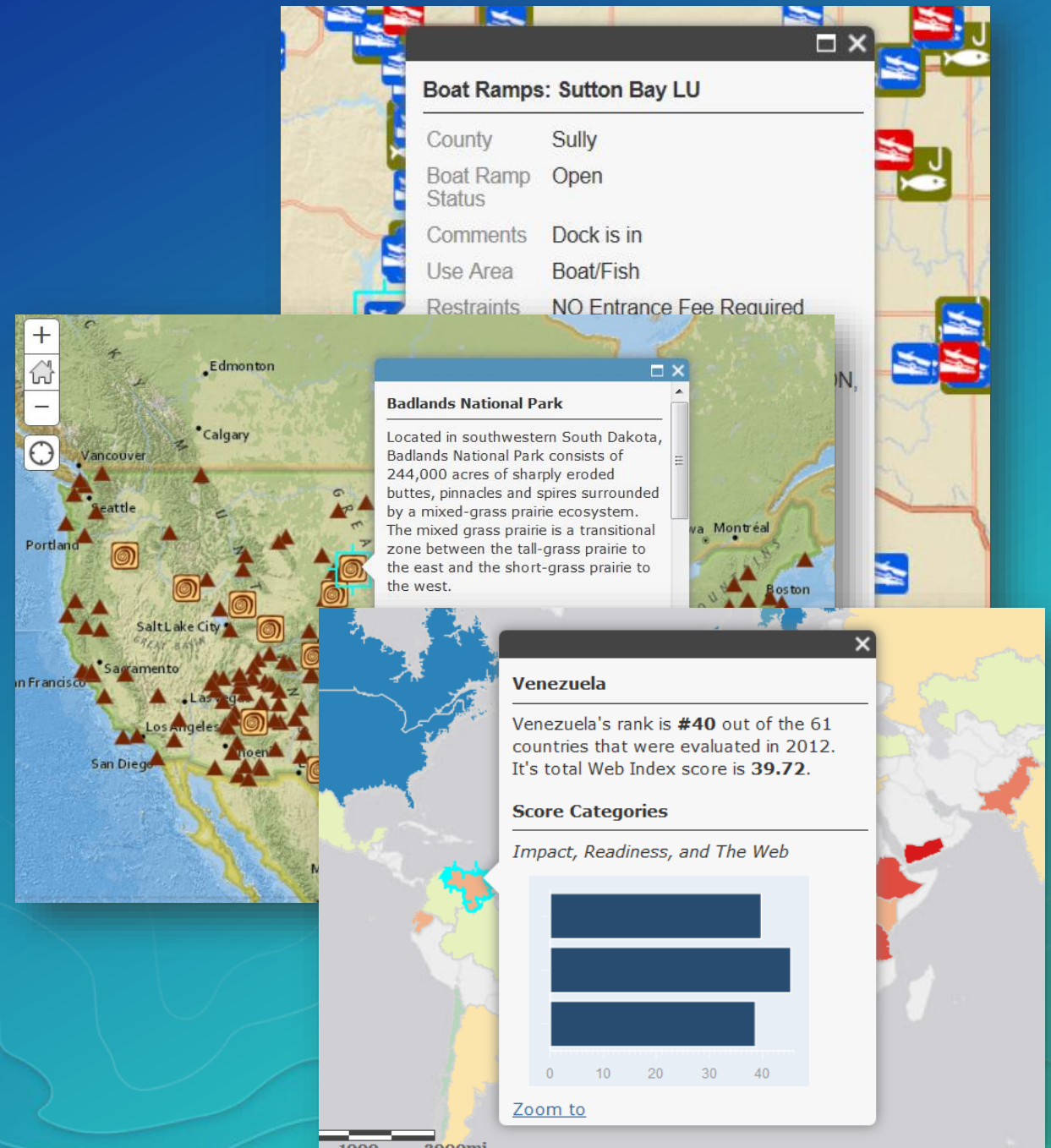
- IDs or codes
- Lat/Long
- Raw field names (underscores, abbreviations, all caps)
- Duplicate or redundant information
- Jargon or acronyms (for non-technical audiences)

➤ Every attribute may not be necessary!

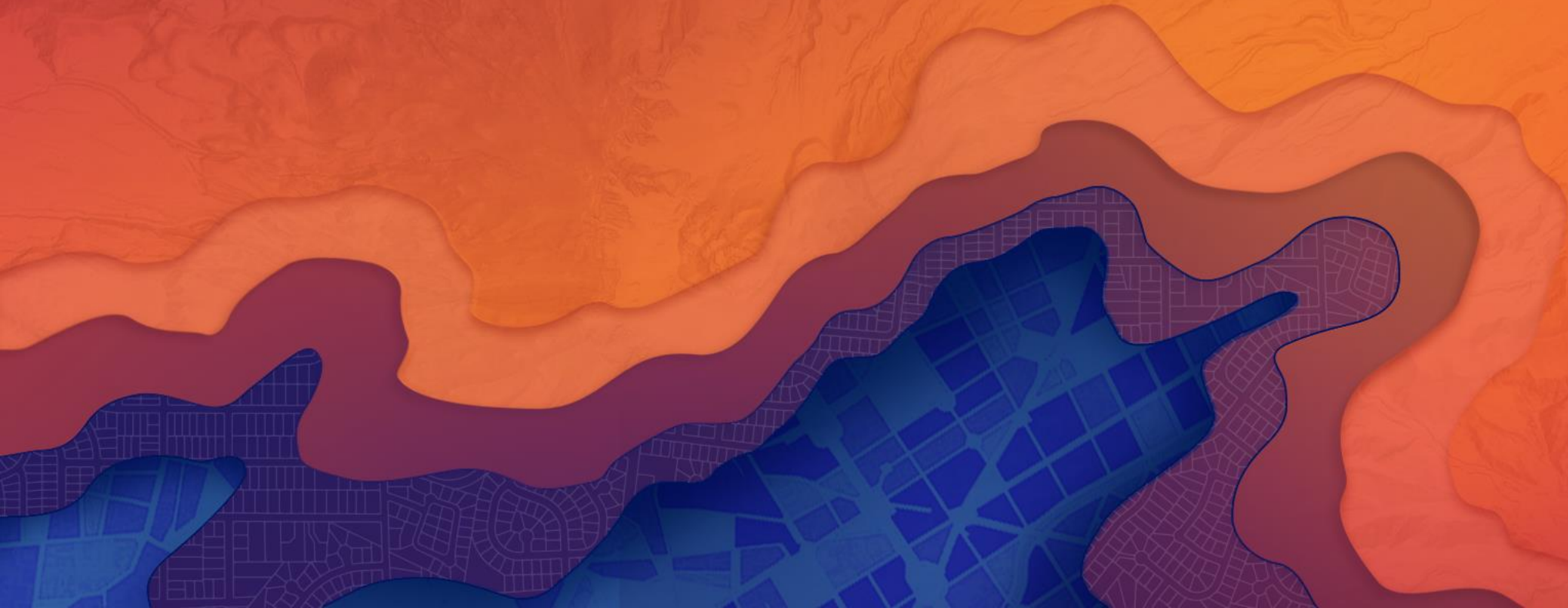


Types of Pop-up Displays

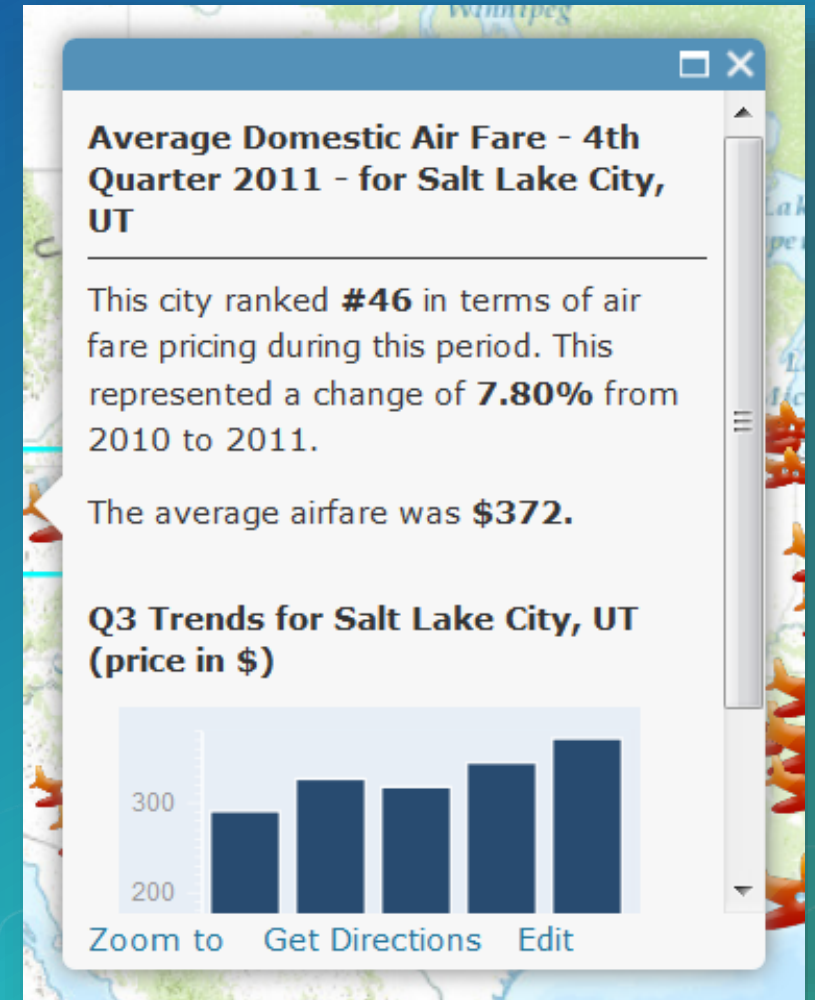
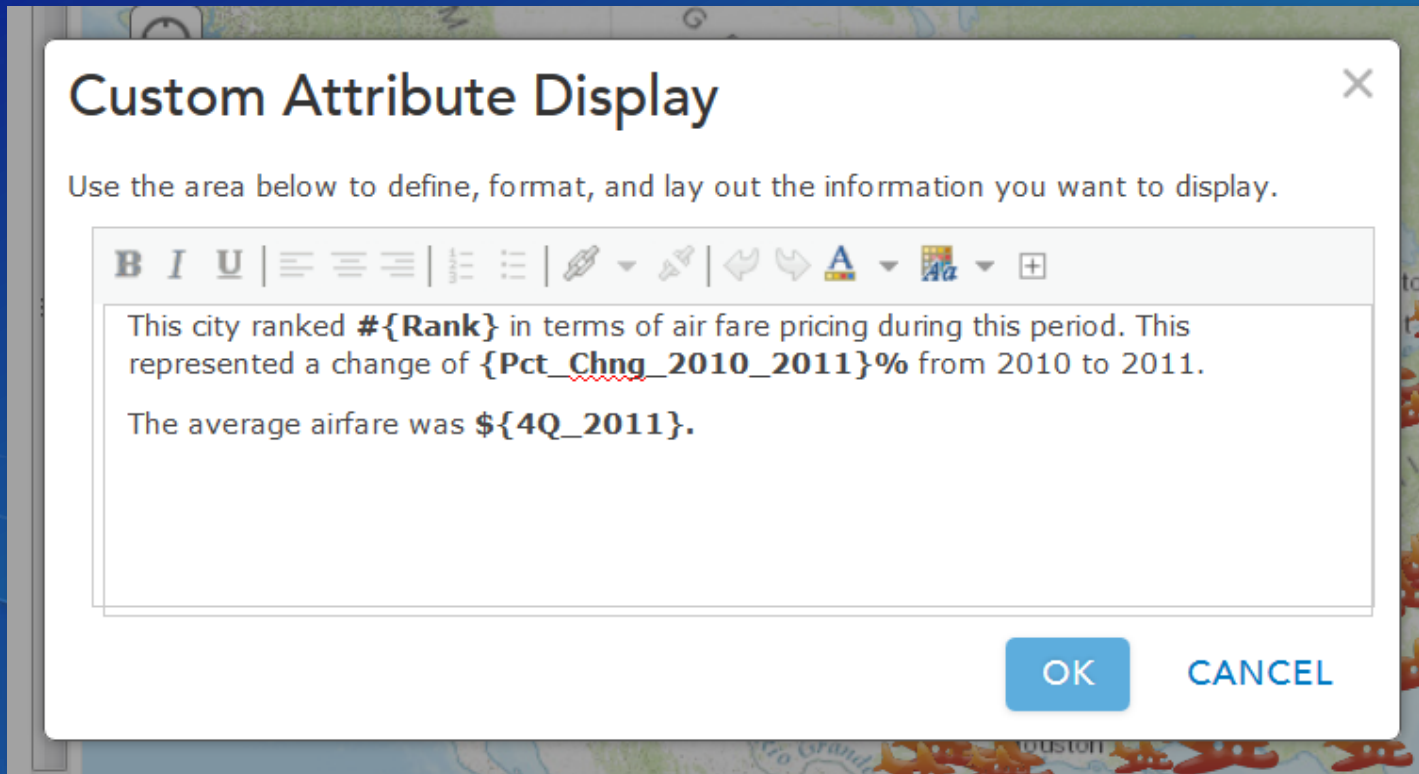
- List of Field Attributes
 - Recommended only for a technical audience
- Description from One Field
 - Appropriate for things like project descriptions
- Custom Attribute Display
 - Recommended in most cases



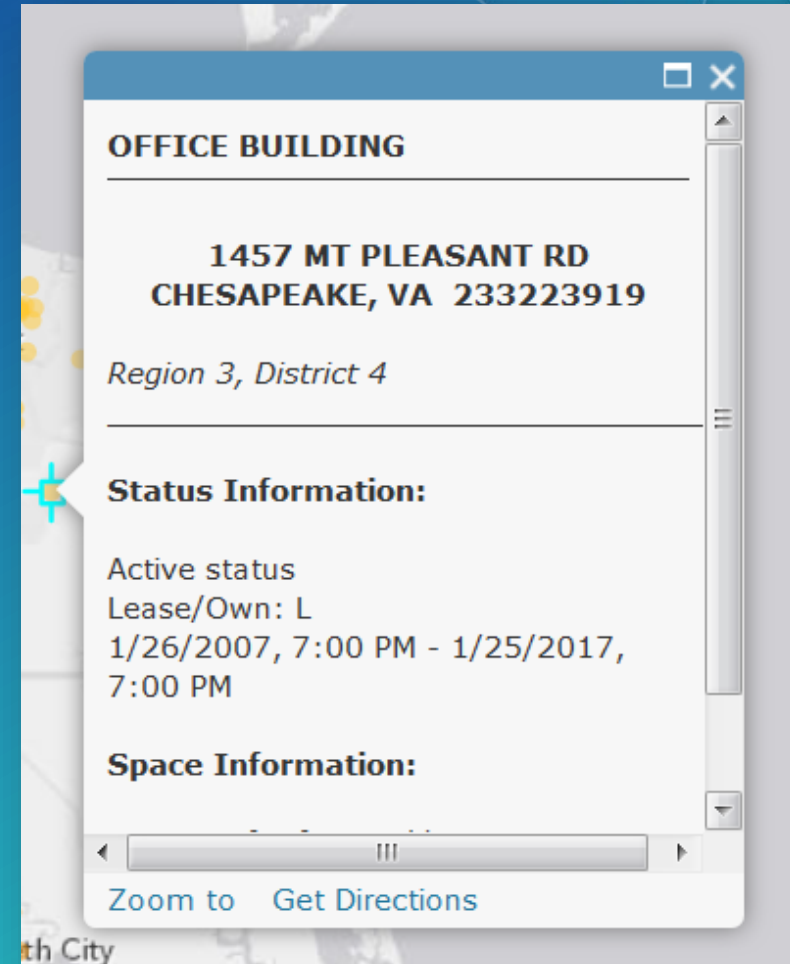
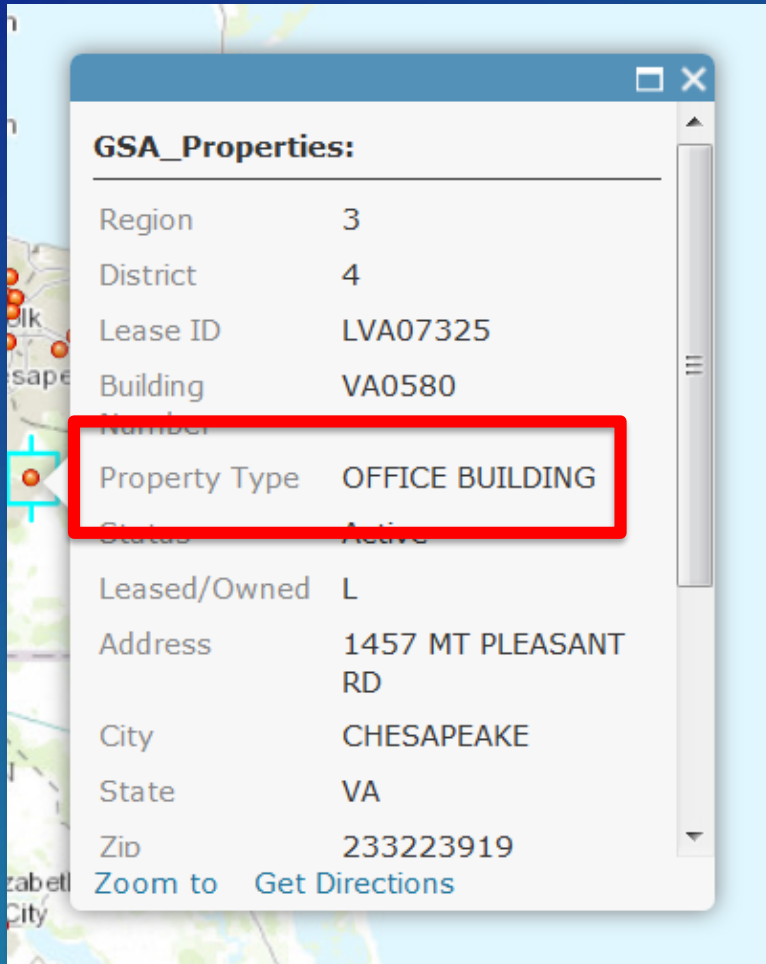
Custom Attribute Displays



Use Fields within Sentences

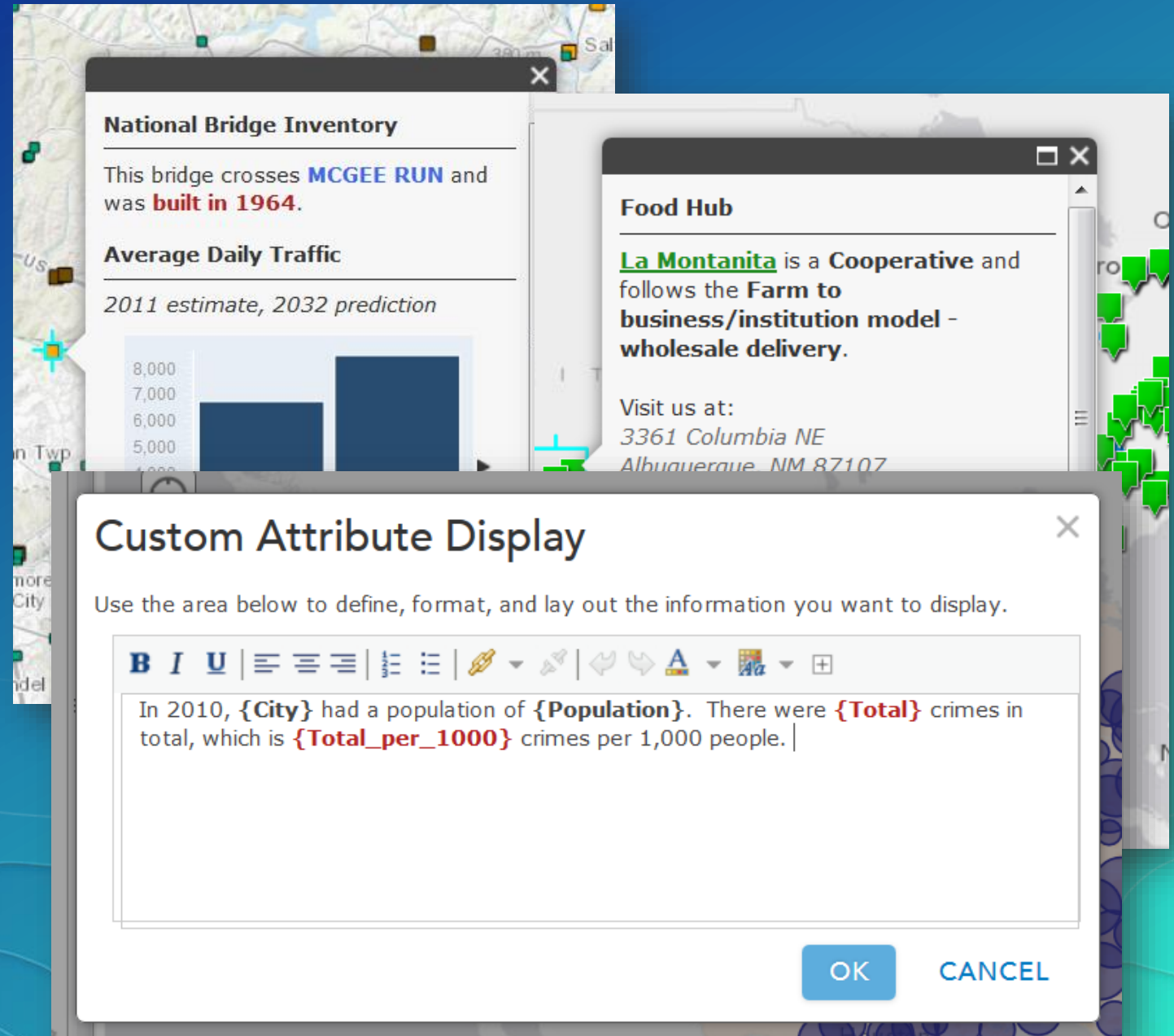


Limit Use of Field Labels



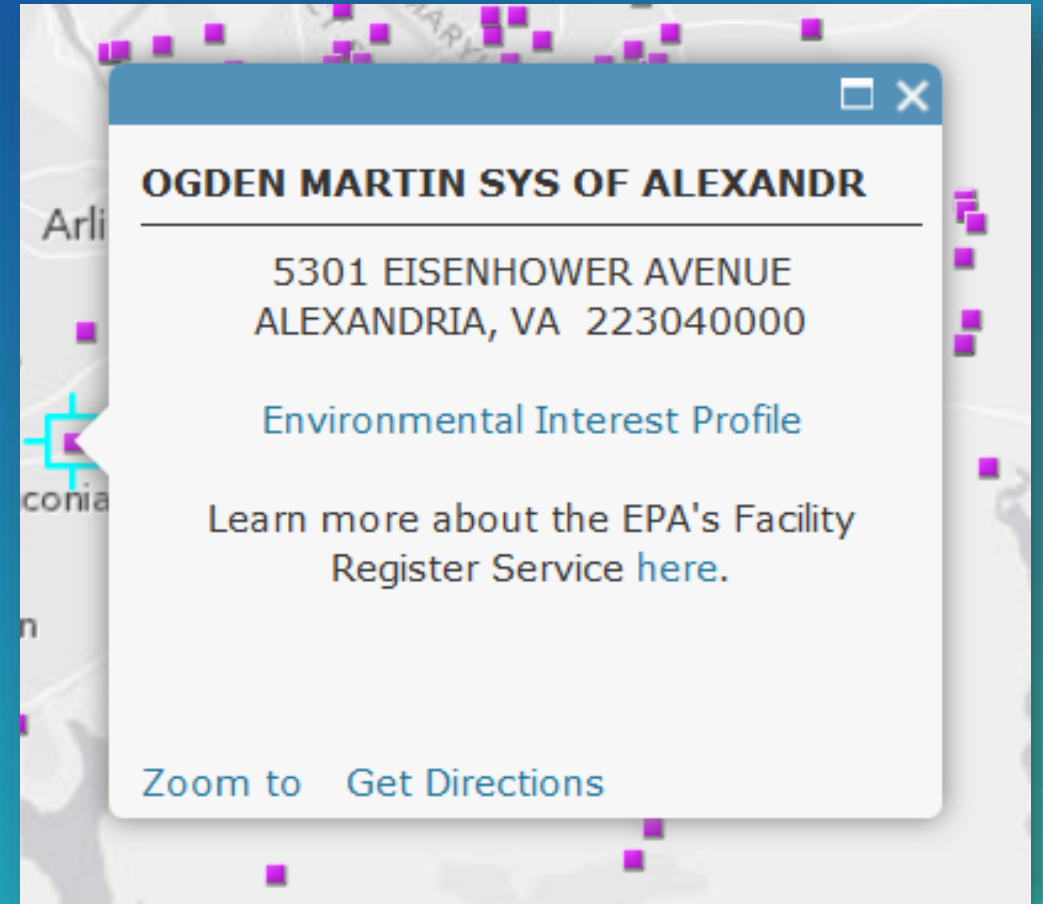
Text Formatting

- **Bold**
- *Italics*
- Underlining
- Color
- ALL CAPS
- **BOLD COLORED CAPS**



Hyperlinks

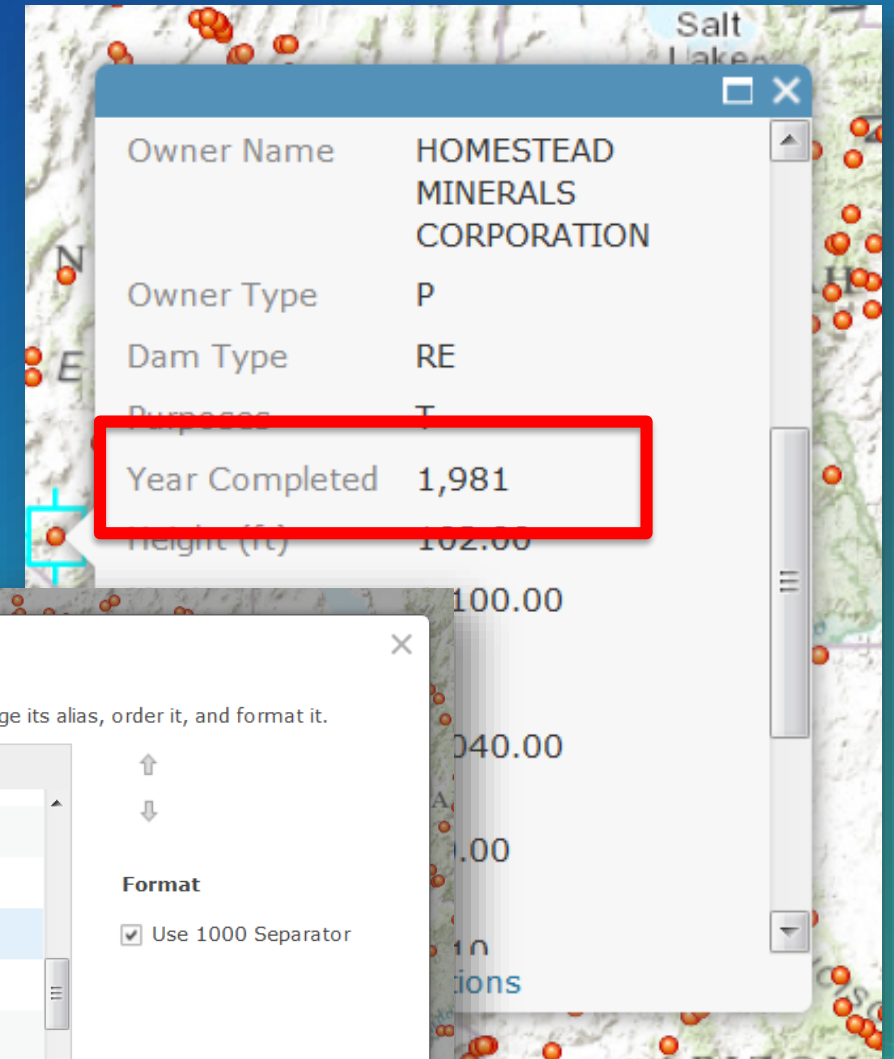
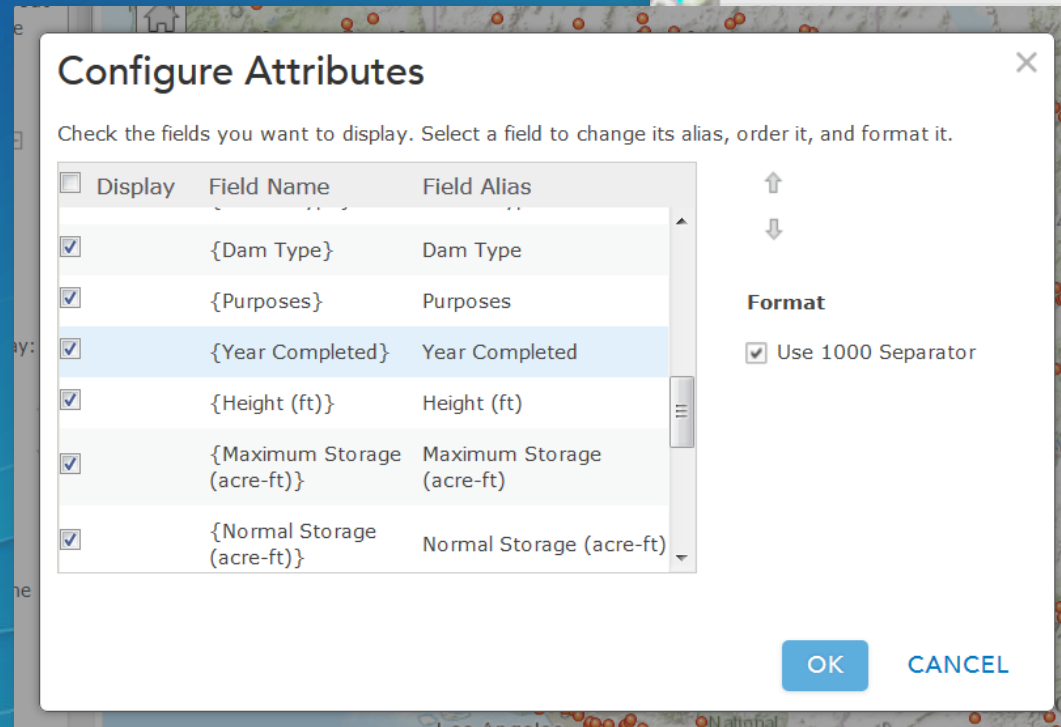
- Put full URLs into hyperlinks, not raw text
- If a link will be unique to each feature, it must be an attribute



Example

Numeric Formatting

- Decimal places
- 1,000s separators
- Dollar signs in front of currency values



Pop-up Media



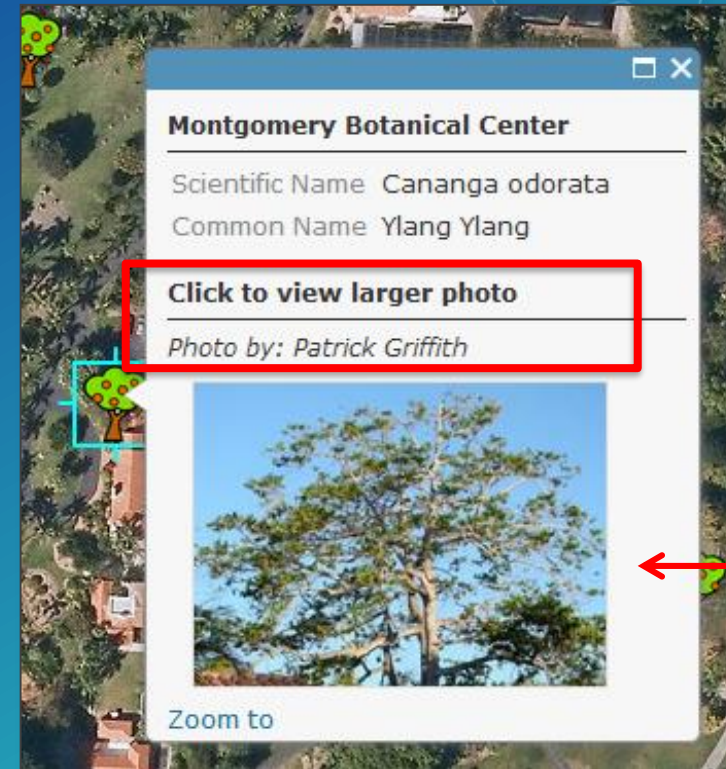
Charts

- Choose the right type:
 - Column/Bar
 - Line
 - Pie
- Include good captions
 - Units of measure
 - Normalization basis
 - Instructions
 - Other attributes



Images

- Store unique image URLs as attributes
- Use low-res images for thumbnails
- Use optional link to go to high-res images or informational website
- Titles/Captions
 - Credit sources
 - Instruct users to click for larger photo
- Can also insert images into body of the pop-up
 - No hyperlinks



200 x 150

Example

Beyond Features



Related Table Fields

- One-to-one relationships:
 - Attributes displayed as usual
- One-to-many relationships:
 - String fields show count
 - Numeric fields can show choice of statistic

Configure Attributes

Check the fields you want to display. Select a field to change its alias, order it, and format it.

<input type="checkbox"/> Display	Field Name	Field Alias
<input checked="" type="checkbox"/>	{LITH_TXT}	LITH_TXT
<input checked="" type="checkbox"/>	{NOTES_TEXT}	NOTES_TEXT
<input type="checkbox"/>	{SHAPE_Length}	SHAPE_Length
<input type="checkbox"/>	{SHAPE_Area}	SHAPE_Area
<input checked="" type="checkbox"/>	{relationships/0/GMAP_YEAR}	GMAP_YEAR
<input type="checkbox"/>	{relationships/0/GMAP_ID}	GMAP_ID

Statistic Operator: count

Format: ☒ Use 1000 Separator

Custom Attribute Display

Use the area below to define, format, and lay out the information you want to display.

Font: [dropdown] Size: x-small

{GLG_NAME}

This unit dates back to the {AGE_PERIOD} period.

Source: |

SHAPE_Area {SHAPE_Area}

MapSourceRelated

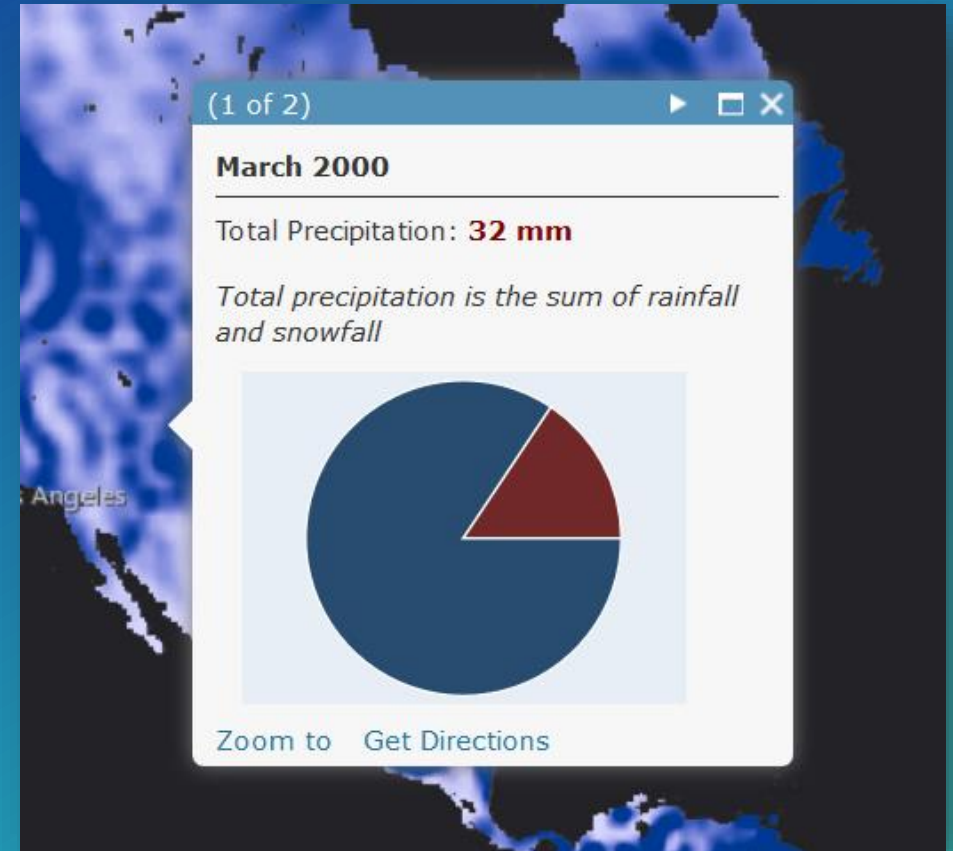
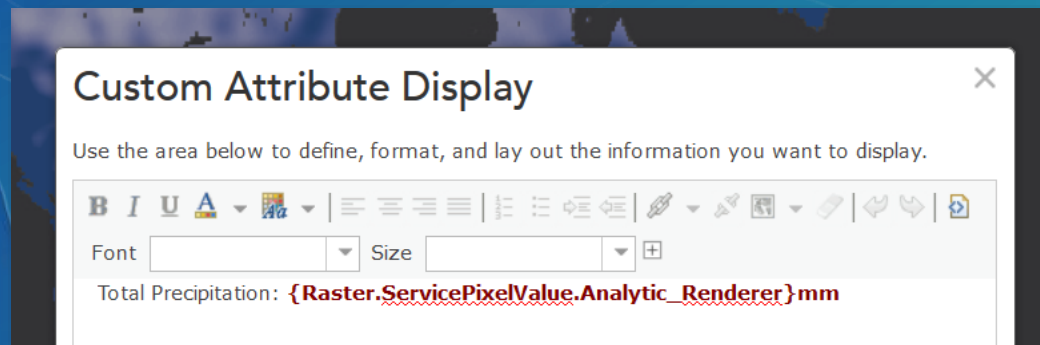
GMAP_YEAR {relationships/0/GMAP_YEAR}

GMAP_TITLE {relationships/0/GMAP_TITLE}

OK CANCEL

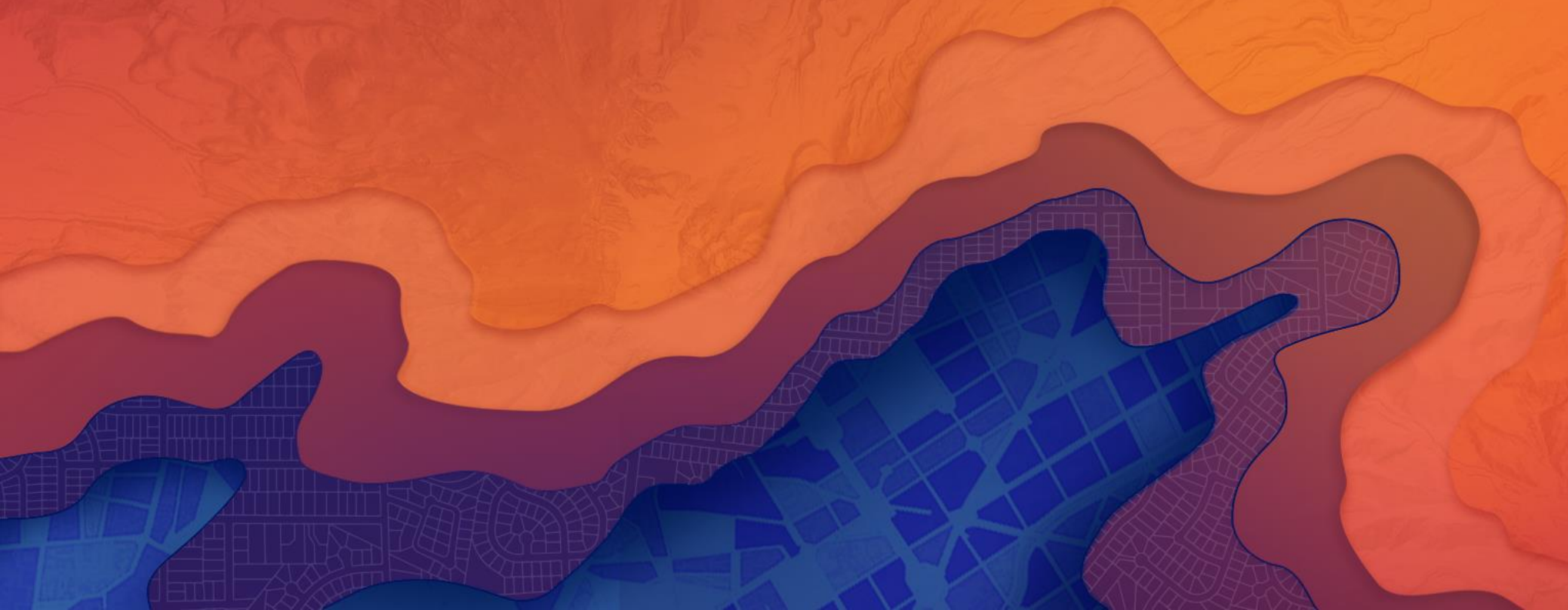
Pop-ups for Image Services

- At 10.4, multiple Raster Processing Templates available in one query
- Can display pixel values for other raster functions besides the current renderer (e.g. NDVI or moisture index)
- Attribute reference format:
 - {raster.ServicePixelValue.ProcesingTemplate}



Example

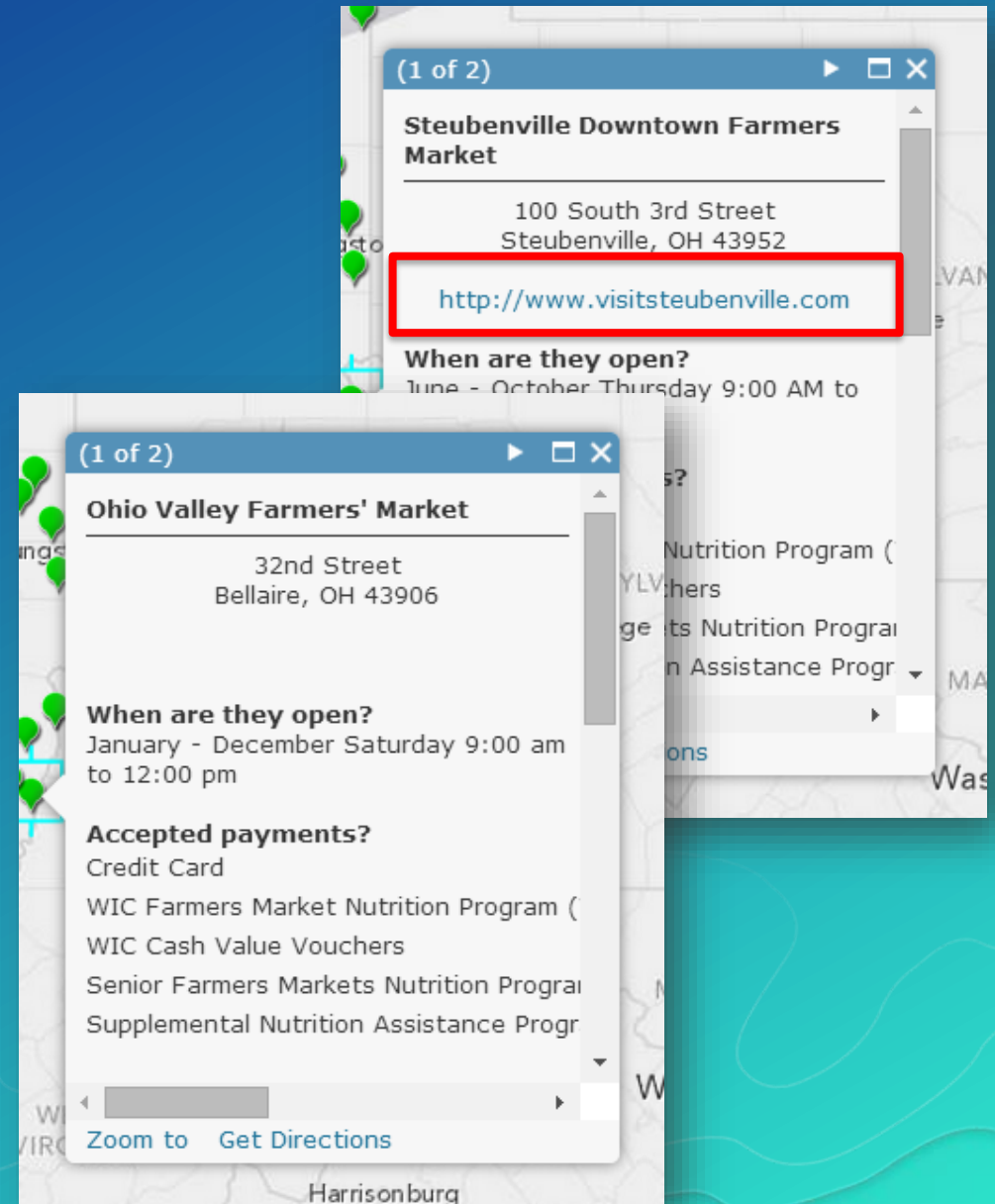
Power-User Tips



Handling Inconsistent or Missing Information

- Separate attributes onto different lines and avoid labels to handle empty fields
 - Ex. {CITY}, {STATE}
 - Ex. Phone numbers, websites
- Create different pop-ups for different feature types
 - Copy layer and set filters

Example



Using Arcade Expressions

NEW!

- Dynamically create new attributes from features
- Use anywhere you work with regular attributes
 - ex. Showing a value in meters instead of feet or dynamically creating a URL based on attributes

Crime Rate Edit





Expression

```
1 Round(($feature.Total / $feature.Population) * 1000, 1)
```

Example

Custom Attribute Display

Use the area below to define, format, and lay out the information you want to display.

B I U A  |  |  | 

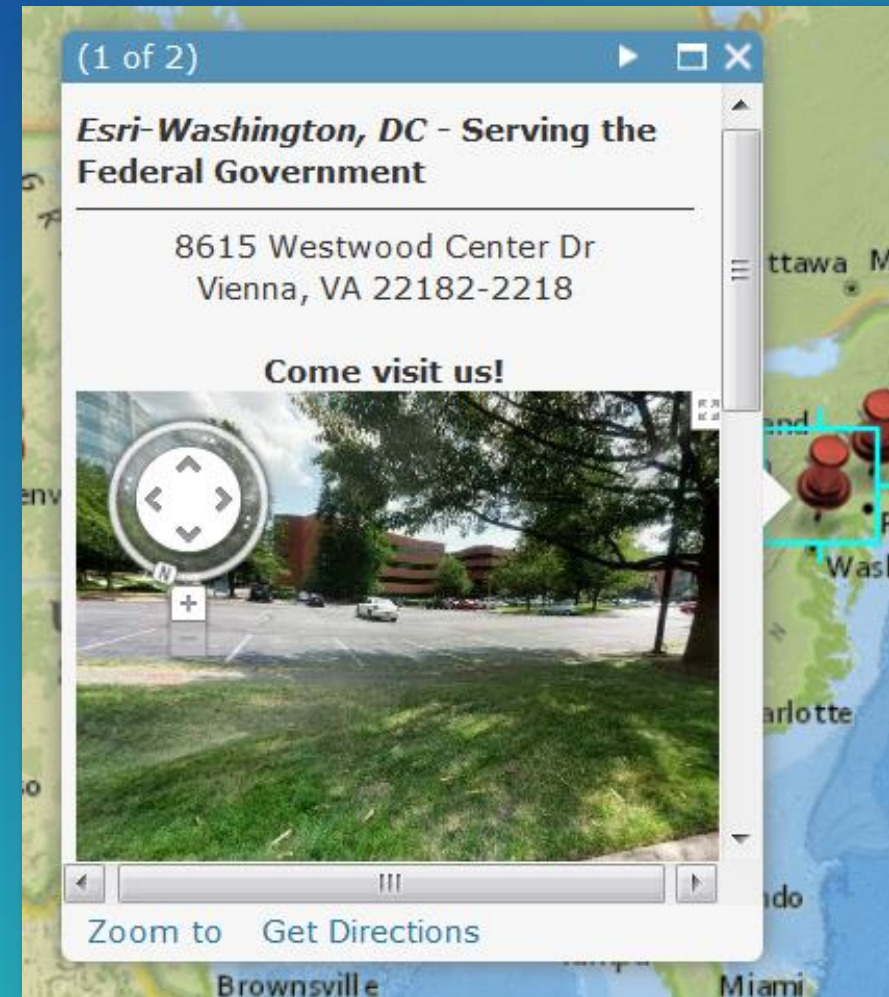
Font Size

The rate of crime in this city was {expression/expr0} per 1000 people

- Total_by_Population {Total_by_Population}
- Total_per_1000 {Total_per_1000}
- FID {FID}
- Crime Rate {expression/expr0}**

Using HTML

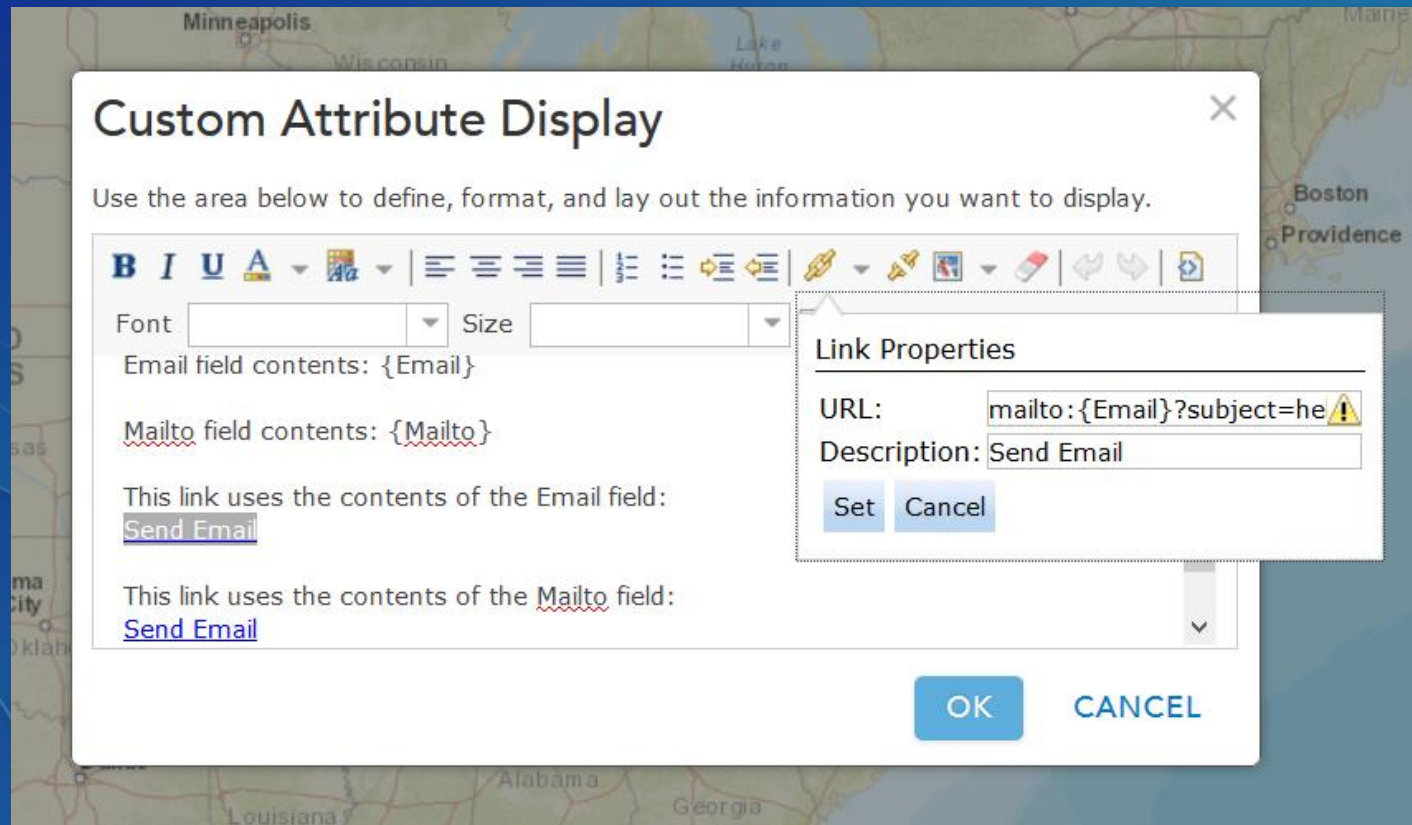
- HTML source editor OR
- Put markup/code as column values
- Format text without a Rich Text editor
 - Ex. titles
- Add hyperlinked images to the title or body
- Display other media besides photos



Example

Sending Email from a Pop-up

- 'Mailto' protocol + hyperlinks



Custom Attribute Display

Use the area below to define, format, and lay out the information you want to display.

Font: [] Size: []

Email field contents: {Email}

Mailto field contents: {Mailto}

This link uses the contents of the Email field:
[Send Email](#)

This link uses the contents of the Mailto field:
[Send Email](#)

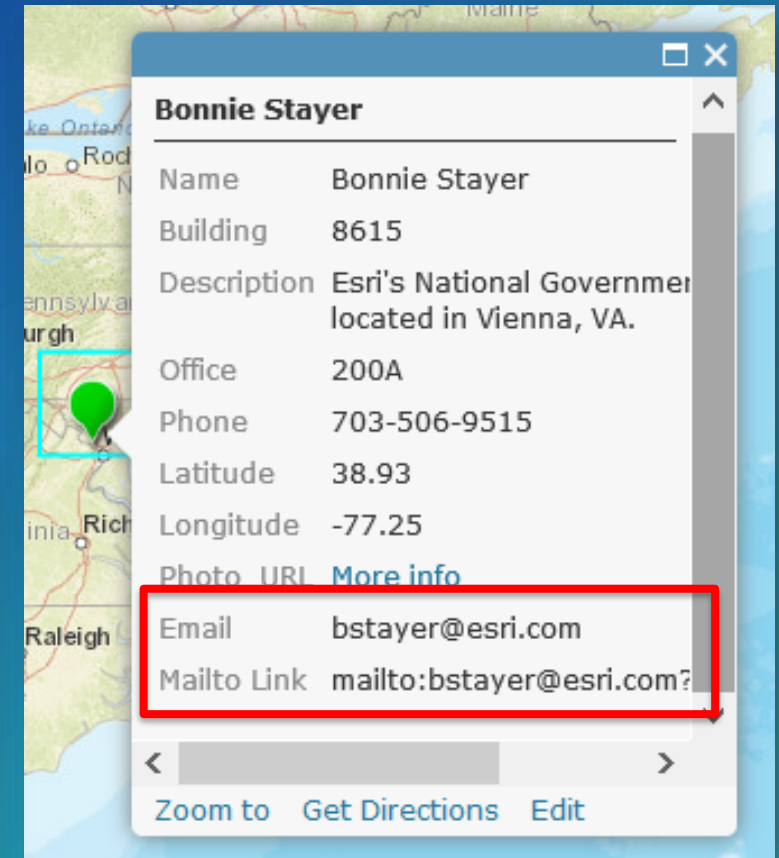
OK CANCEL

Link Properties

URL: mailto:{Email}?subject=he

Description: Send Email

Set Cancel



Bonnie Stayer

Name	Bonnie Stayer
Building	8615
Description	Esri's National Government located in Vienna, VA.
Office	200A
Phone	703-506-9515
Latitude	38.93
Longitude	-77.25
Photo	URI More info
Email	bstayer@esri.com
Mailto Link	mailto:bstayer@esri.com?

Zoom to Get Directions Edit

Want to learn more?

- ArcGIS Online Help: Configure Pop-ups
 - <http://doc.arcgis.com/en/arcgis-online/create-maps/configure-pop-ups.htm>
- ArcGIS Online Blog
 - <http://blogs.esri.com/esri/arcgis/category/arcgis-online/>
- ArcGIS Arcade
 - <https://developers.arcgis.com/arcade/>



esri

THE
SCIENCE
OF
WHERE