



ArcGIS Cloud Services  
Specialty



ArcGIS System Ready  
Specialty



ArcGIS Marketplace  
Provider



LOGIC



# Who is LOGIC Solutions Group?



## Enterprise GIS Services

- Geospatial Strategic Consulting
- Geospatial Infrastructure & Administration
- Geospatial Automation
- Geospatial Customization
  - Custom Widgets
  - Application Development
  - Systems Integration

# ArcGIS Experience Builder Widgets

## Custom ExB Widgets

- Advanced Save State
- Advanced Search
- FME Caller Widget
- TreeMap Widget
- Layer Exporter Widget



# LOGIC Advanced Save State Widget

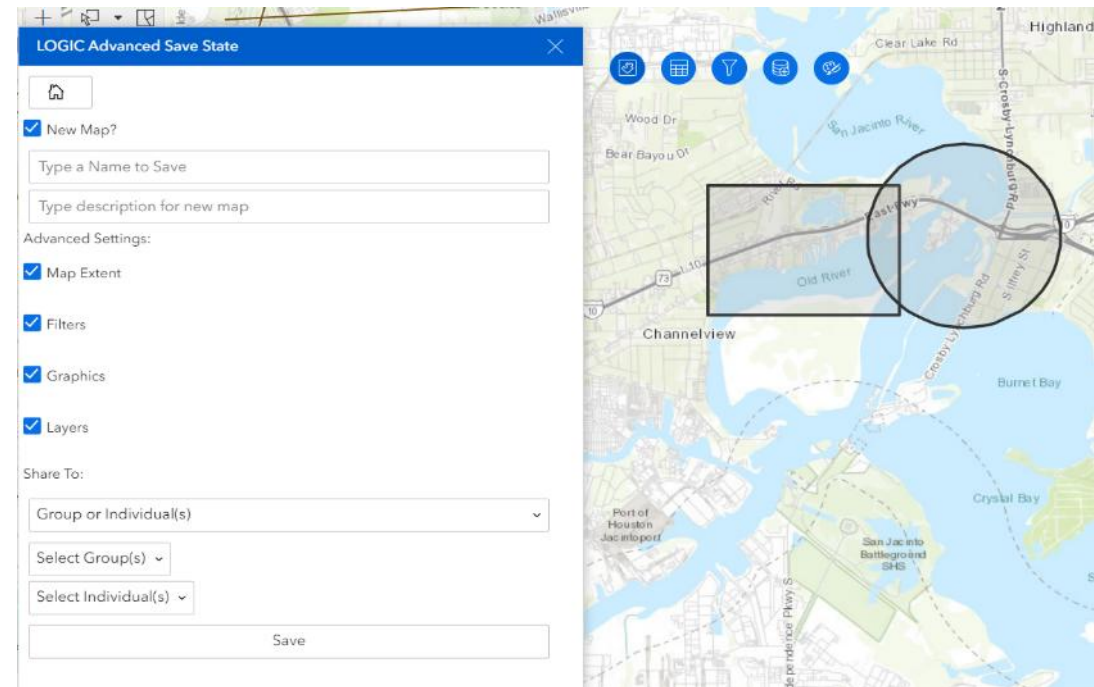
LOGIC Advanced Save State Widget extends Esri Portal for ArcGIS functionality and allows users to decide which map options to save so they can come back to where they left off.

## ***High Level Functionality***

- Configure a Portal Web App map, with the specific extent, layer properties, temporary layers, transparency, filters, and markup.
- Once the map is complete, save the configuration with a unique name and save for yourself or share it with other Portal users and groups in any combination based on user level.
- Users can load named map configurations (Saved States) at their own desktop with a couple of clicks.
- Each user is allowed to save multiple configurations per web map. Alternatively, the user can overwrite an existing configuration and share configurations with Portal groups, users or the whole organization based on their Portal identity and privileges.
- Within the Widget users will also be able to:
  - Indicate “Favorite” saved states
  - Filter / Search saved states
  - Sort by Date on saved states
  - Sort by State Name on saved states
  - Track which states are most used
  - Restore your session back to the default map

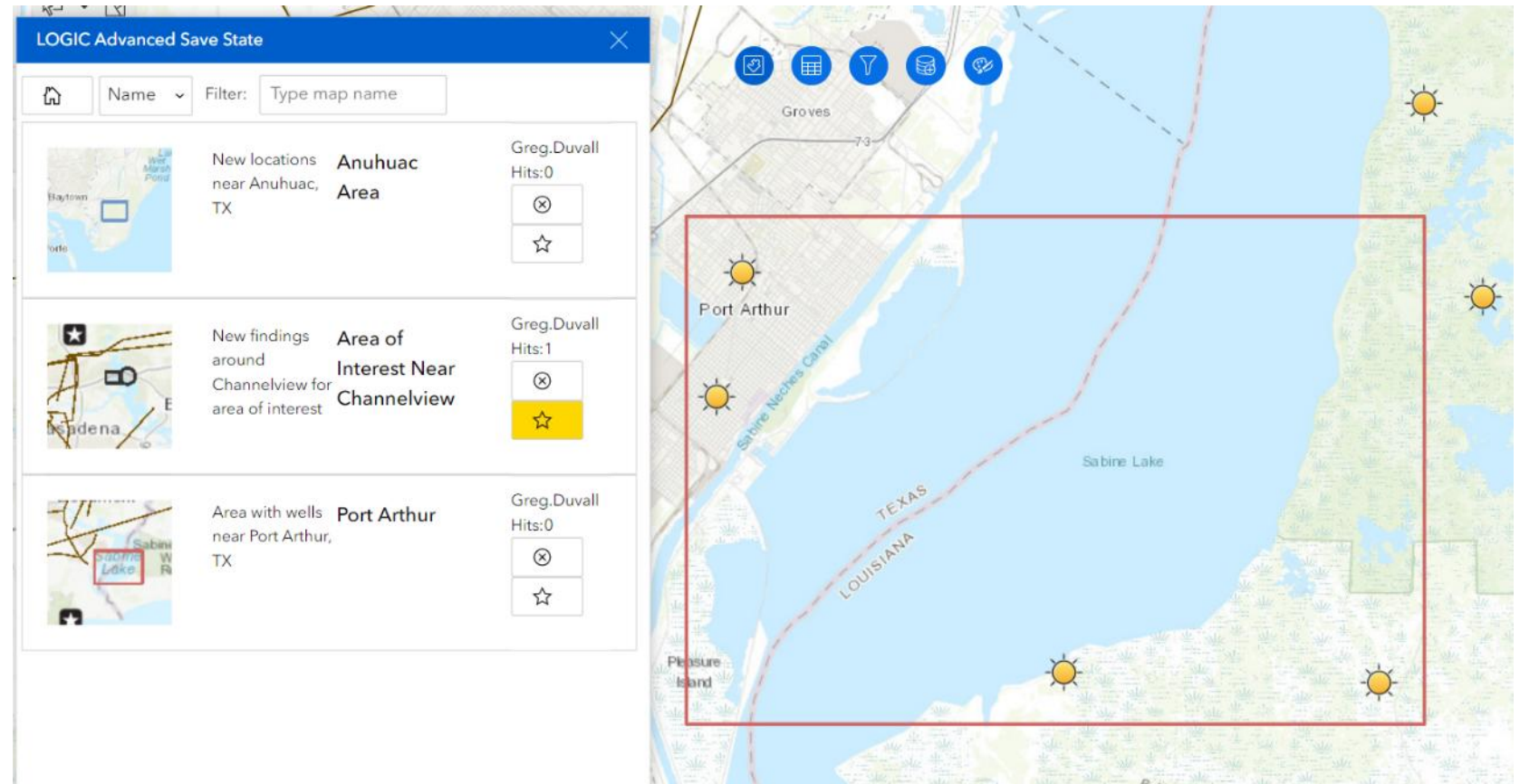
# Advanced Save State Widget – Create & Share Map States

- Create New or Update
- Give name/description
- Choose what to save
- Choose to save for self or share

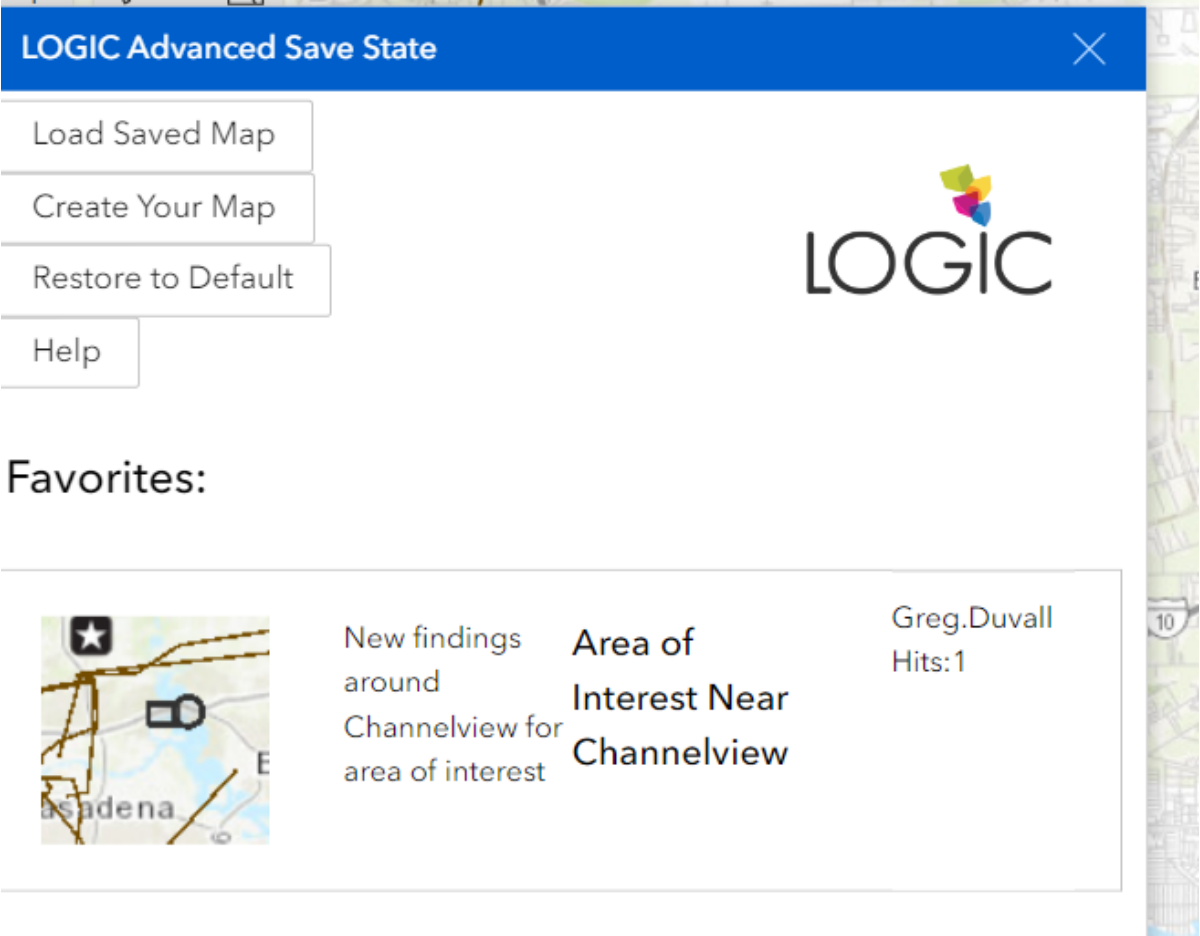


# Advanced Save State Widget – Load an Existing Map State

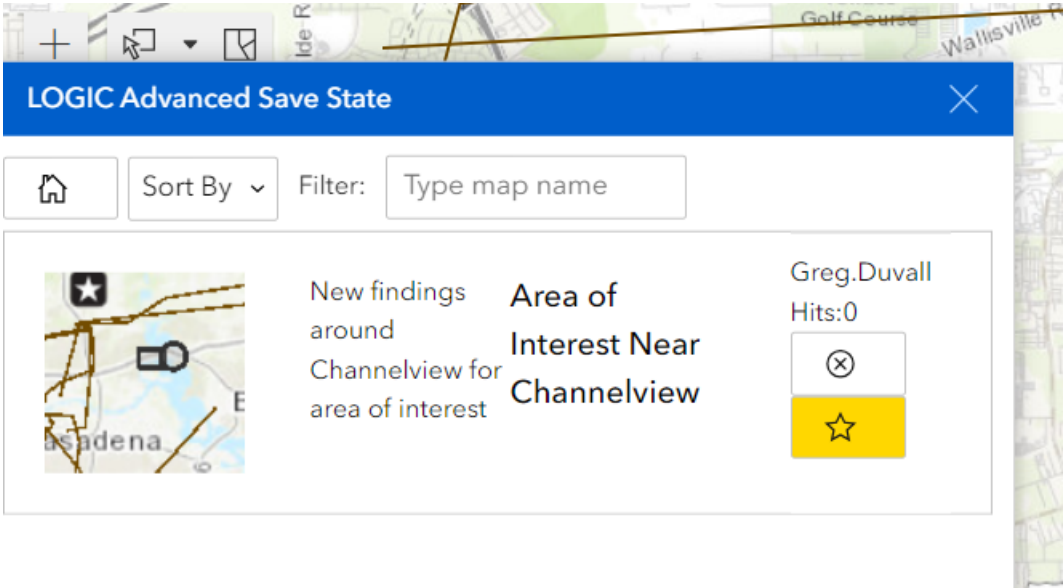
- Sort, Filter, Load Maps
- Favorite commonly used



# Advanced Save State Widget – Load an Existing Map State



- Favorites show in Home Screen





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# LOGIC Advanced Search Widget

As part of LOGIC's commitment to Experience Builder and the industry, we recently developed an Advanced Search Widget to assist users with faster and more robust searching within an Experience Builder Web App:

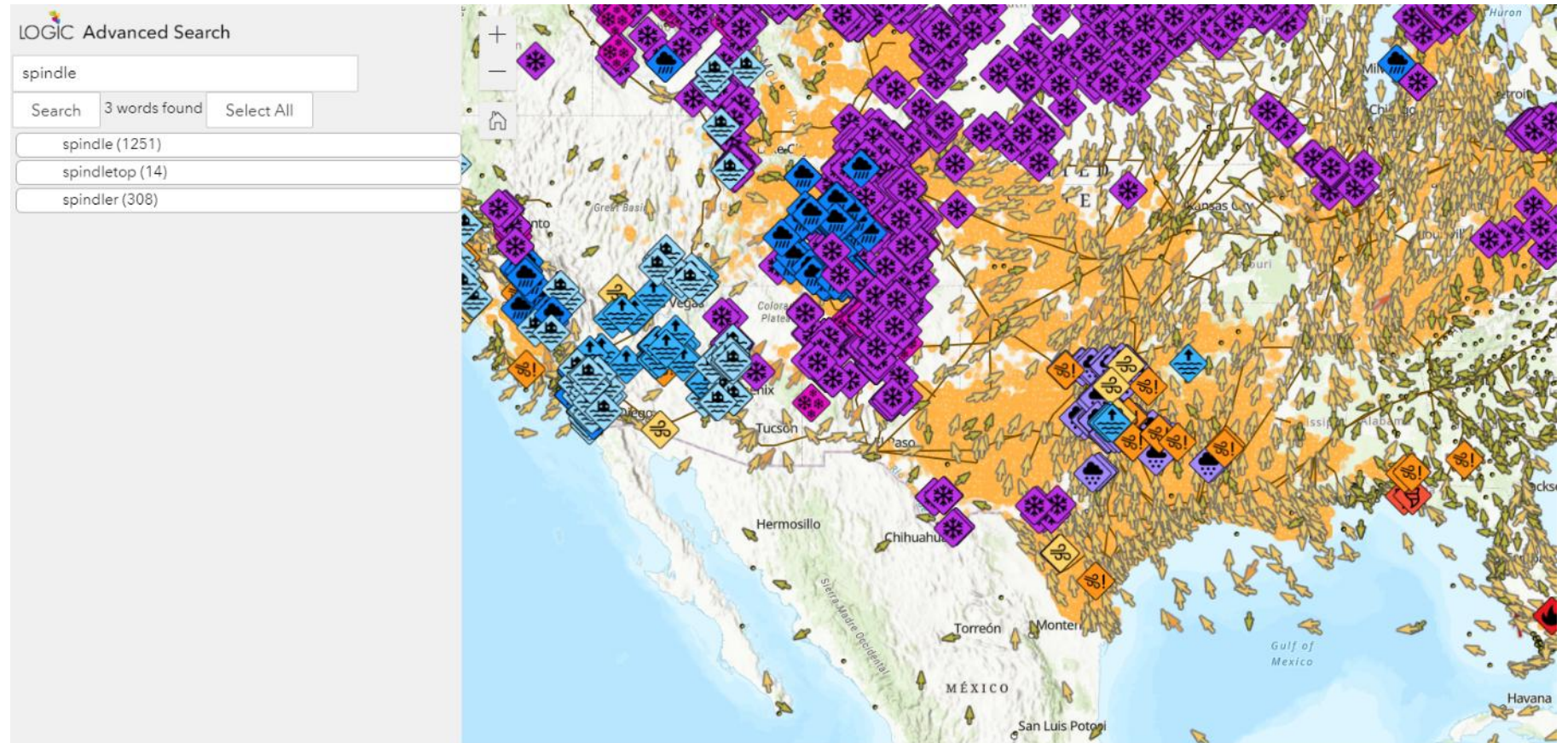
## ***High Level Functionality***

- Host the Widget in one or more Experience Builder Web Apps of your choice
- Google-like search across all configured layers with one or more words at the same time
- "Select All" to highlight all features in the map that has an attribute that matches the word or phrase
- Words are displayed as items in the Widget with counts of how many features have an attribute containing the search word or phrase
- Each word is grouped by layer and can be expanded to show individual features
- Each individual feature can be clicked on to highlight and zoom to that feature in the map
- Results can be filtered by extent to only show results in current viewing area



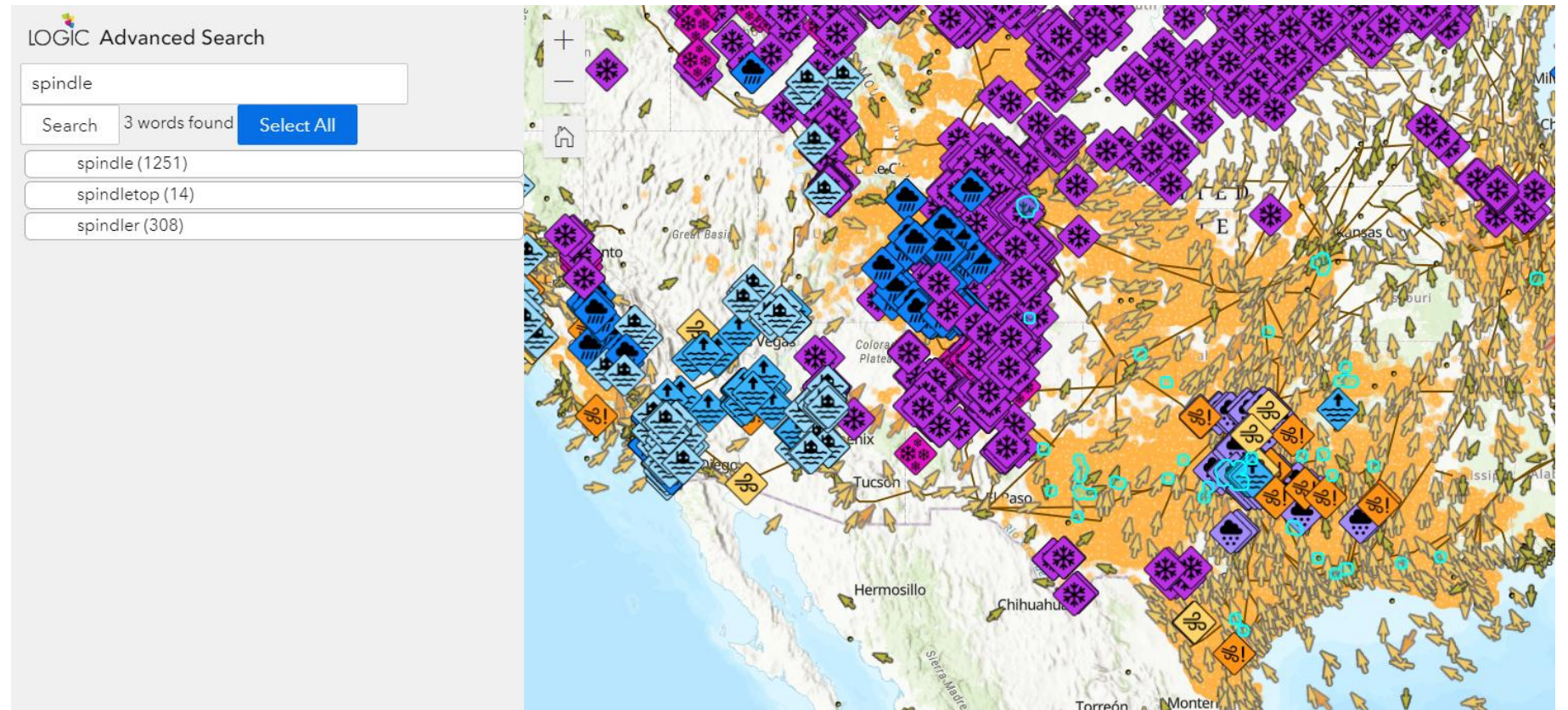
# Advanced Search Widget – “Search Everything All At Once Everywhere”

- Enter search word(s)
- View all matched word sets



# Advanced Search Widget – “Search Everything All At Once Everywhere”

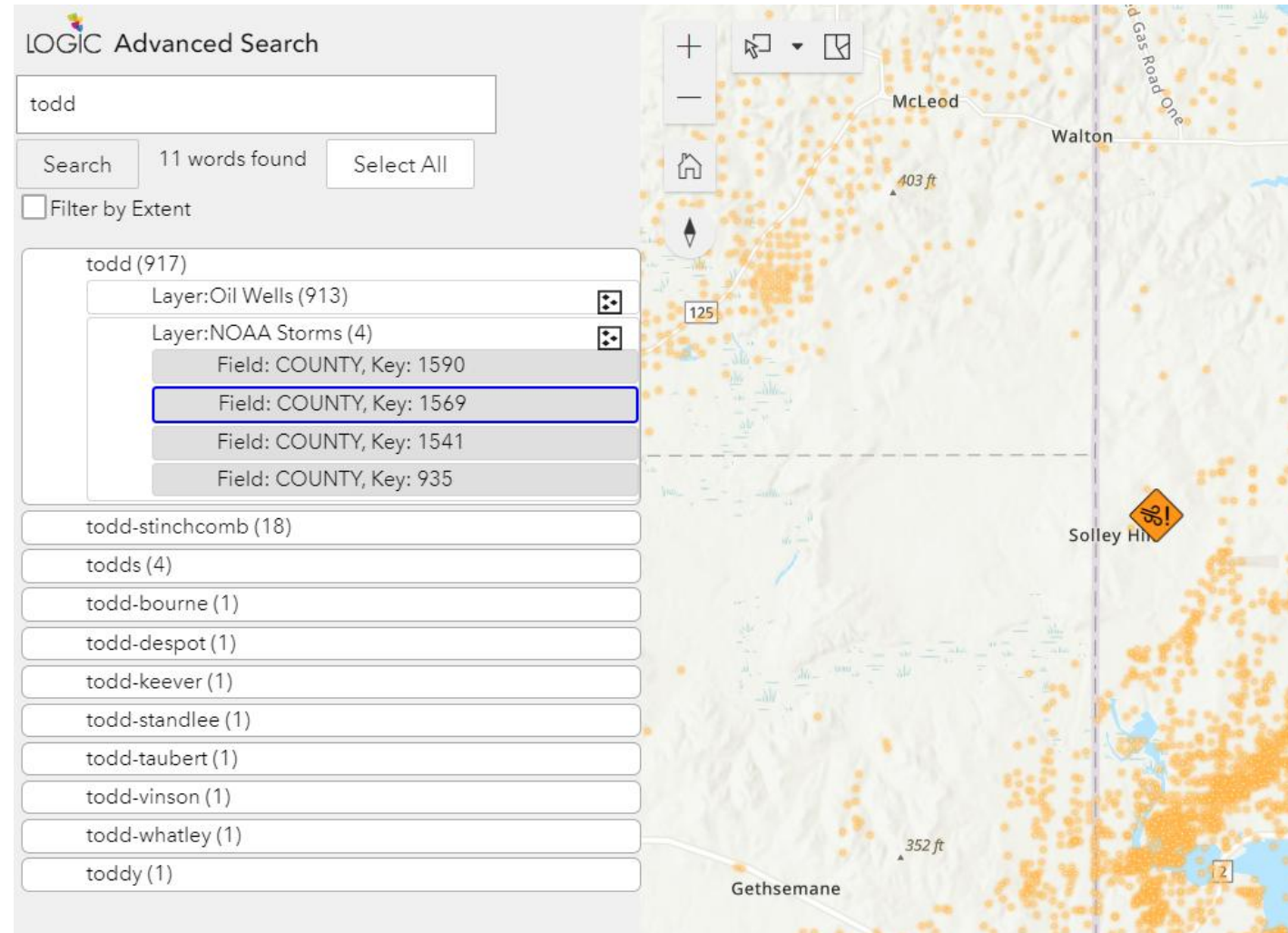
- Select all in map
- Analyze potential spatial relationships





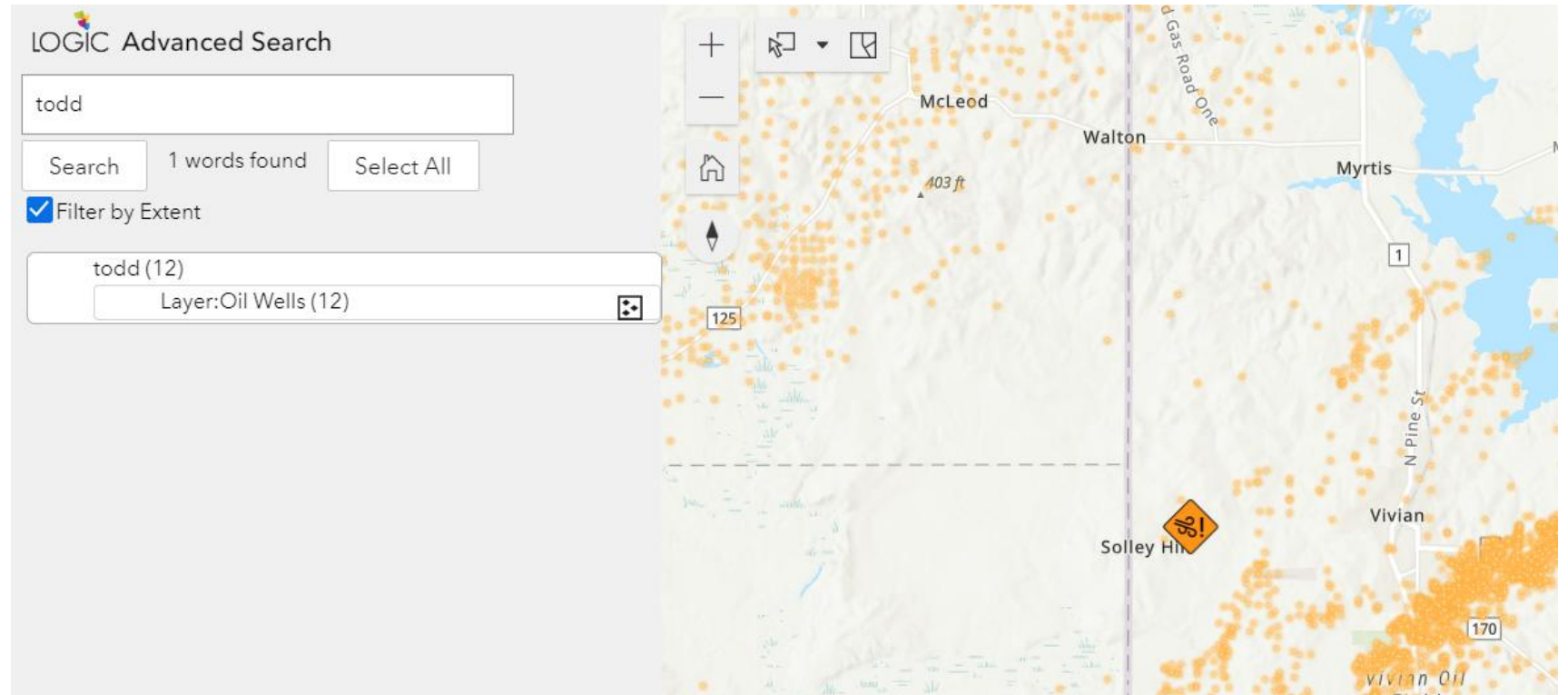
# Advanced Search Widget – “Search Everything All At Once Everywhere”

- Drill into matched features
- Grouped by Layer
- Select a feature
- Highlight & zoom to feature(s)



# Advanced Search Widget – “Search Everything All At Once Everywhere”

- Filter by Extent
- Only show search results in current map view



# Advanced Search Widget – “Search Everything All At Once Everywhere”

- Get suggestions for searches
- Searches can be cached with Hit Count and cleaned up automatically
- Narrow your searches by adding quotation marks

LOGIC Advanced Search

spindletop

spindle

spindlet

LOGIC Advanced Search

"greg" or todd

Search

12 words found

Select All

todd (919)

greg (64)

todd-stinchcomb (18)

todds (5)

todd-bourne (1)

todd-despot (1)

todd-keever (1)

todd-standlee (1)

todd-taubert (1)

todd-vinson (1)

todd-whatley (1)

toddy (1)

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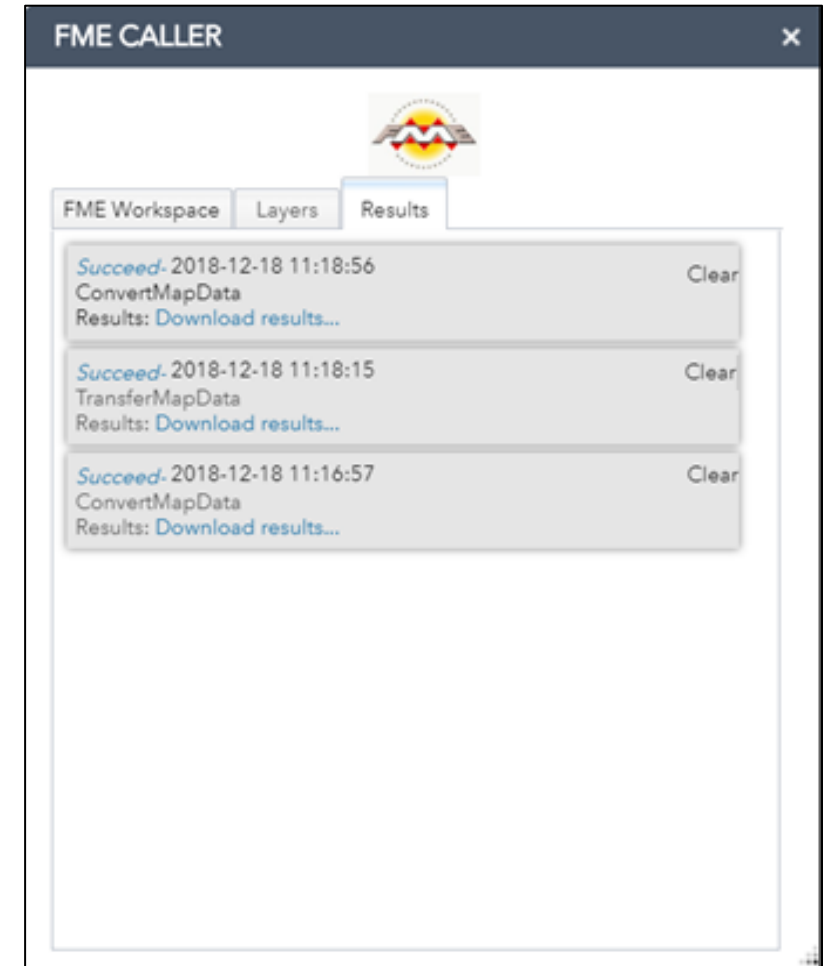
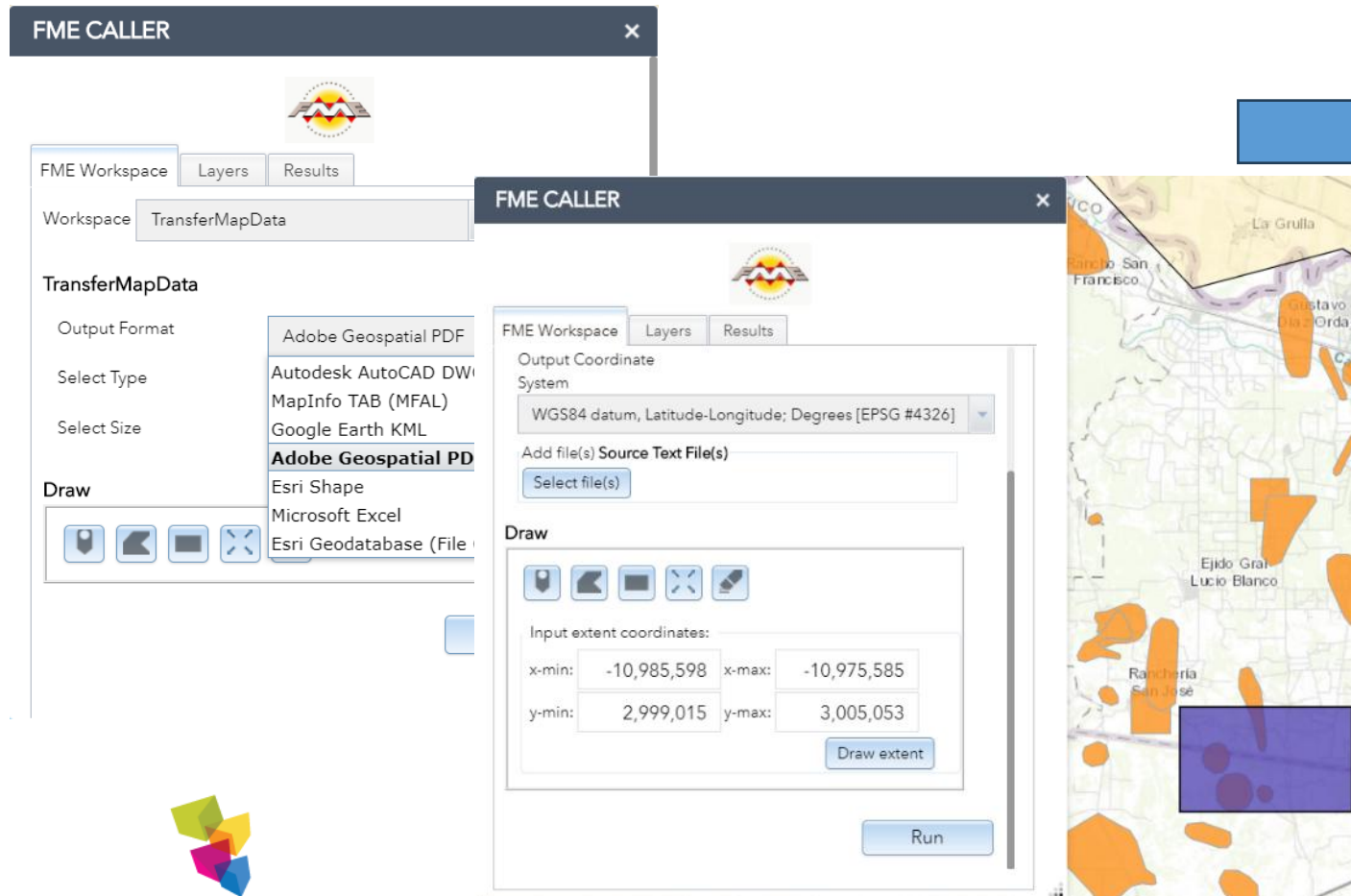
# LOGIC FME Caller Widget

As part of LOGIC's commitment to Experience Builder and the industry, we recently migrated our FME Caller Widget that allows users to run Safe Software Flow Workbenches from Enterprise GIS.

## ***High Level Functionality***

- User selects Workbench from dropdown in the Widget
- Widget displays parameterized inputs and output options for the Workbench
- User interacts with the map to indicate the input geometry of interest
- Widget sends the inputs and selections to Flow (FME Server) for processing
- Flow processes and returns the results
- Widget displays the results on the map or as a downloadable result

# FME Caller Widget





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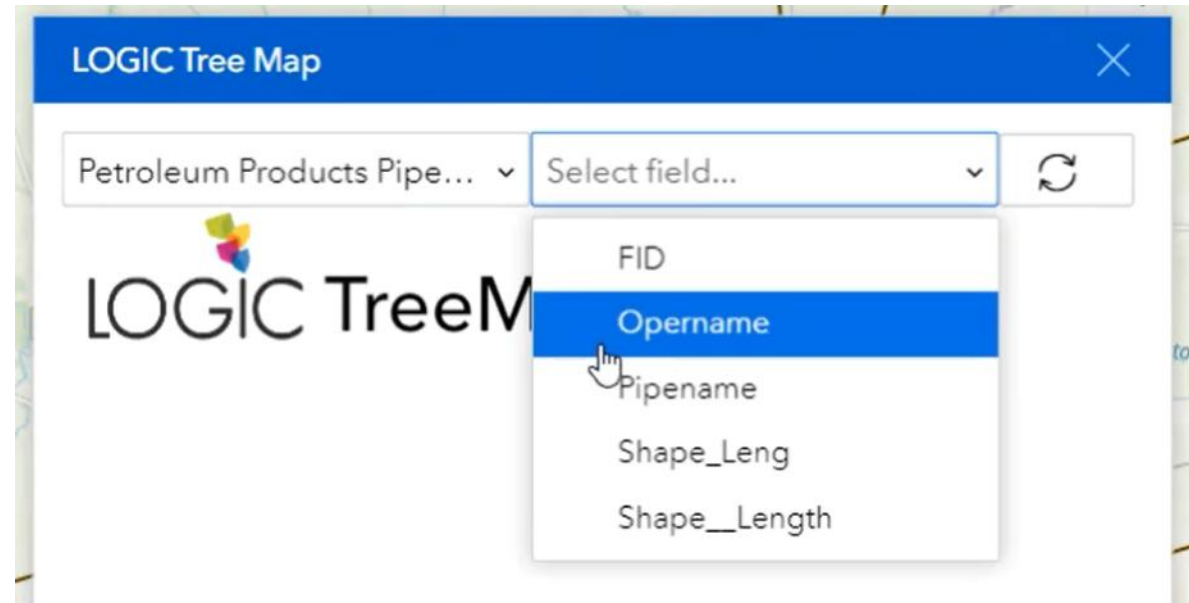
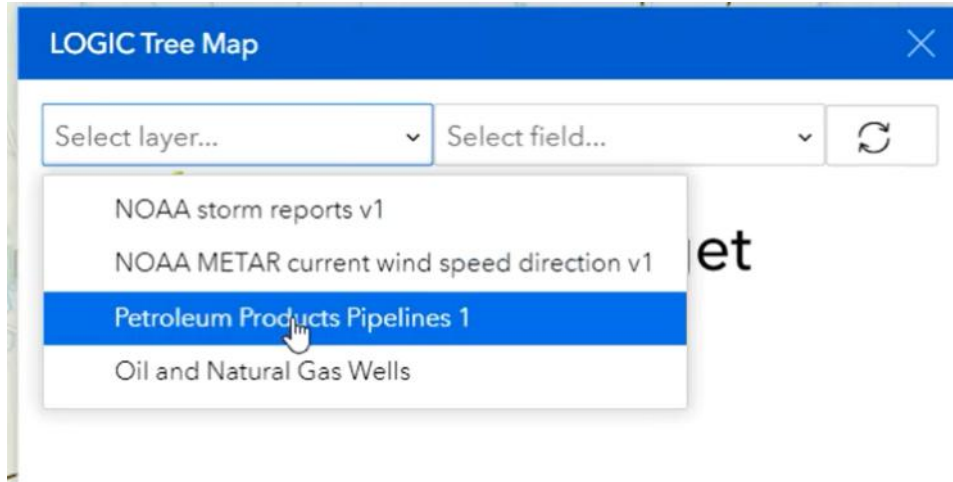
# LOGIC TreeMap Widget

As part of LOGIC's commitment to Experience Builder and the industry, we recently developed TreeMap Widget to assist users with exploring their data within an Experience Builder Web App:

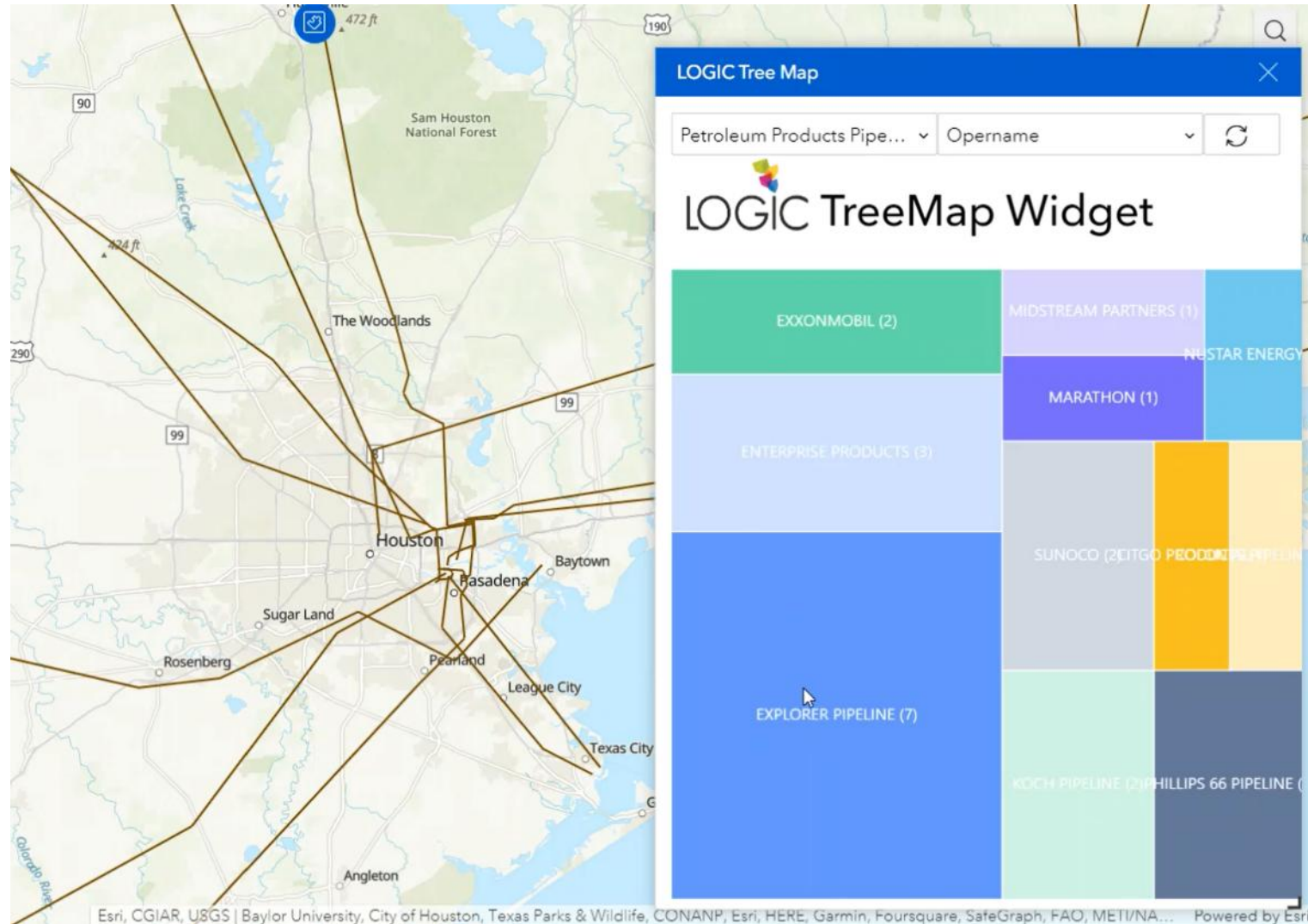
## ***High Level Functionality***

- Host the Widget in one or more Experience Builder Web Apps of your choice
- Easily indicate the layer and field you want to explore
- Visualize the indicated features by count as a graphical display of hierarchical data using nested rectangles by size. Each rectangle represents a subgroup or an item whose size and color reflect its measure and category. A TreeMap chart allows for a quick comparison and visualization of the structure and quantities of the data
- Automatically update the TreeMap with the values in the view for the selected layer and field

# TreeMap Widget – Select Layer, Field



# TreeMap Widget – Explore Your Data



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# LOGIC Layer Exporter Widget

The LOGIC Layer Exporter Widget allows users to export any allowable feature layer in your map to industry standard spatial data sets like shapefiles, geoJSON and KML.

## ***High Level Functionality***

- User opens Widget
- System displays list of allowable layers for export
- User indicates layer to export
- User indicates entire layer or selected features for export
- User indicates output format – shapefile, geoJSON or KMZ
- User clicks Export button
- System exports the indicated features to a local file

# Layer Exporter Widget



The screenshot shows the 'LOGIC Layer Exporter' dialog box. It has a dark header bar with the title 'LOGIC Layer Exporter' and a close button. The main area is white and contains three sections: 'Choose which layer to export...' with a dropdown menu showing 'Petroleum Refineries'; 'Choose which features to export...' with two radio buttons, 'Selection' and 'All Features' (which is selected); and 'Choose which format to export...' with a dropdown menu showing 'Shapefile'. Below these sections is a large 'Export' button. At the bottom, a green message states 'Successfully exported 29 features.' The LOGIC logo is visible in the top right corner of the dialog.

LOGIC Layer Exporter

Choose which layer to export... 

Petroleum Refineries

Choose which features to export...

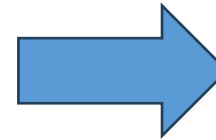
☐ Selection ☒ All Features

Choose which format to export...

Shapefile

Export

Successfully exported 29 features.



**.shp**  
**.kmz**  
**.etc**

# Thank You!

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