

# Alternative ways to display layer information using the ESRI Web Framework

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# ACKNOWLEDGMENT

- **The ESRI Dynamic Info Window was developed by the Advanced Application team at the National Wetlands Research Center while working with the Coastal Protection and Restoration Authority.**

# Problem

- The Feature Layers used by the ArcGIS API is extremely useful in showing data on a web map application.
- The attribute inspector is one way to view the attributes to the Feature Layers.
- Needed a way to have a dynamic info window that would have the same interaction as the attribute inspector.

# Solution

- **The Advanced Application team came up with a floating div that would be customizable and work like the attribute inspector.**
  - **Display the attributes of an event click on a Feature Layer**
  - **Anchor the div to the point on the map that was clicked**
- **Have the dynamic info window also move along with the map to keep itself in the correct spatial reference**

# Implementation

- The map contains a single layer which can be queried.
  - A Feature Layer (“esri/layers/FeatureLayer”)
    - Used to query.
- Use the `.on` for click events on the Feature layer that is added.

# Using the Dynamic Info Window

- **Have the bubble.js code added to the application.**
  - **When the click event is fired it sends the event to the `getBubble()` function.**
    - **For this example, this application does `StatesLayer.on("click", function(evt){ getBubble(evt); });`**

# Displaying information

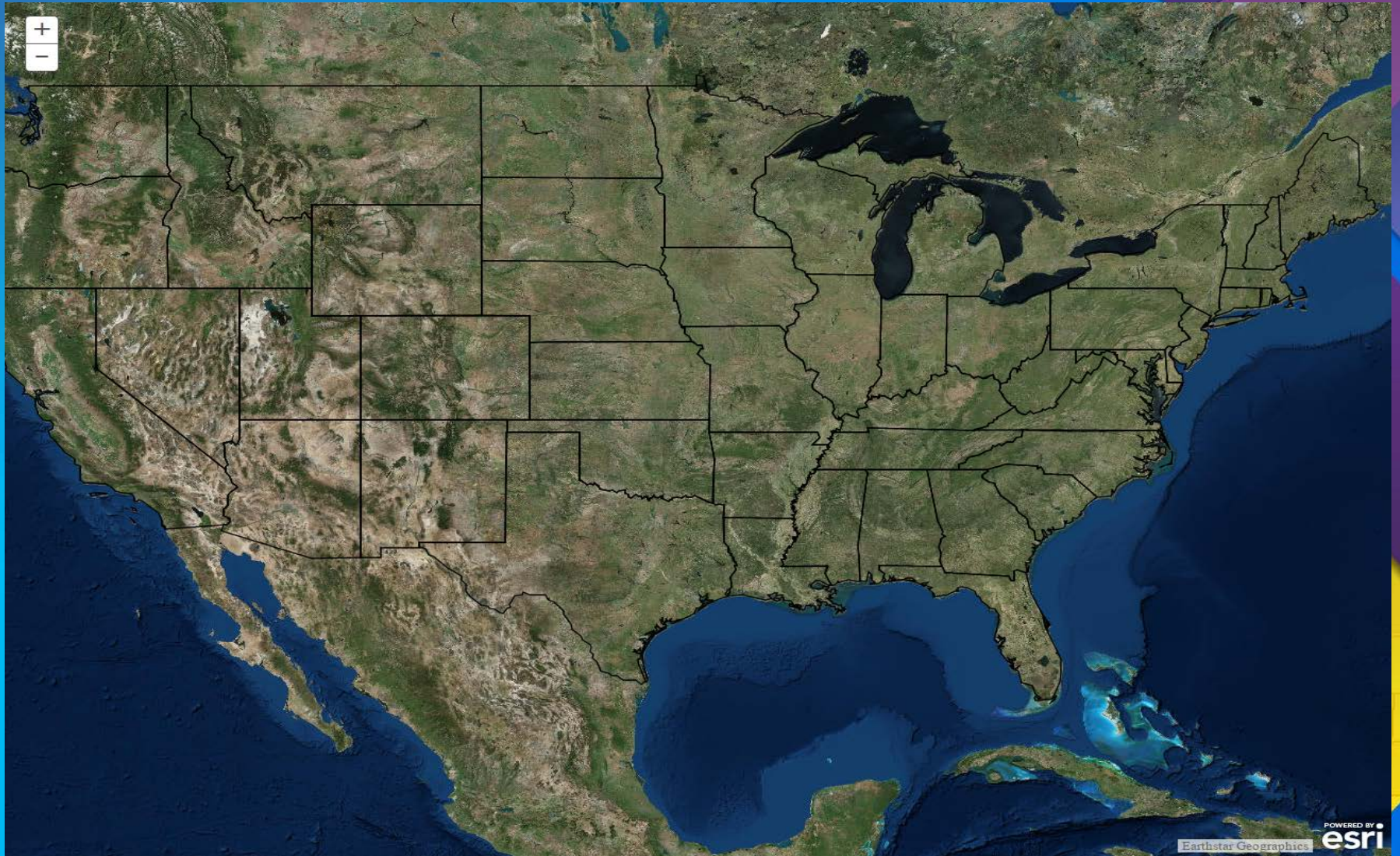
- When the event is passed to the javascript file (bubble.js) a floating div is used to display the information.
  - This example uses JQuery UI tabs to display the information that we want to show users.

# Results

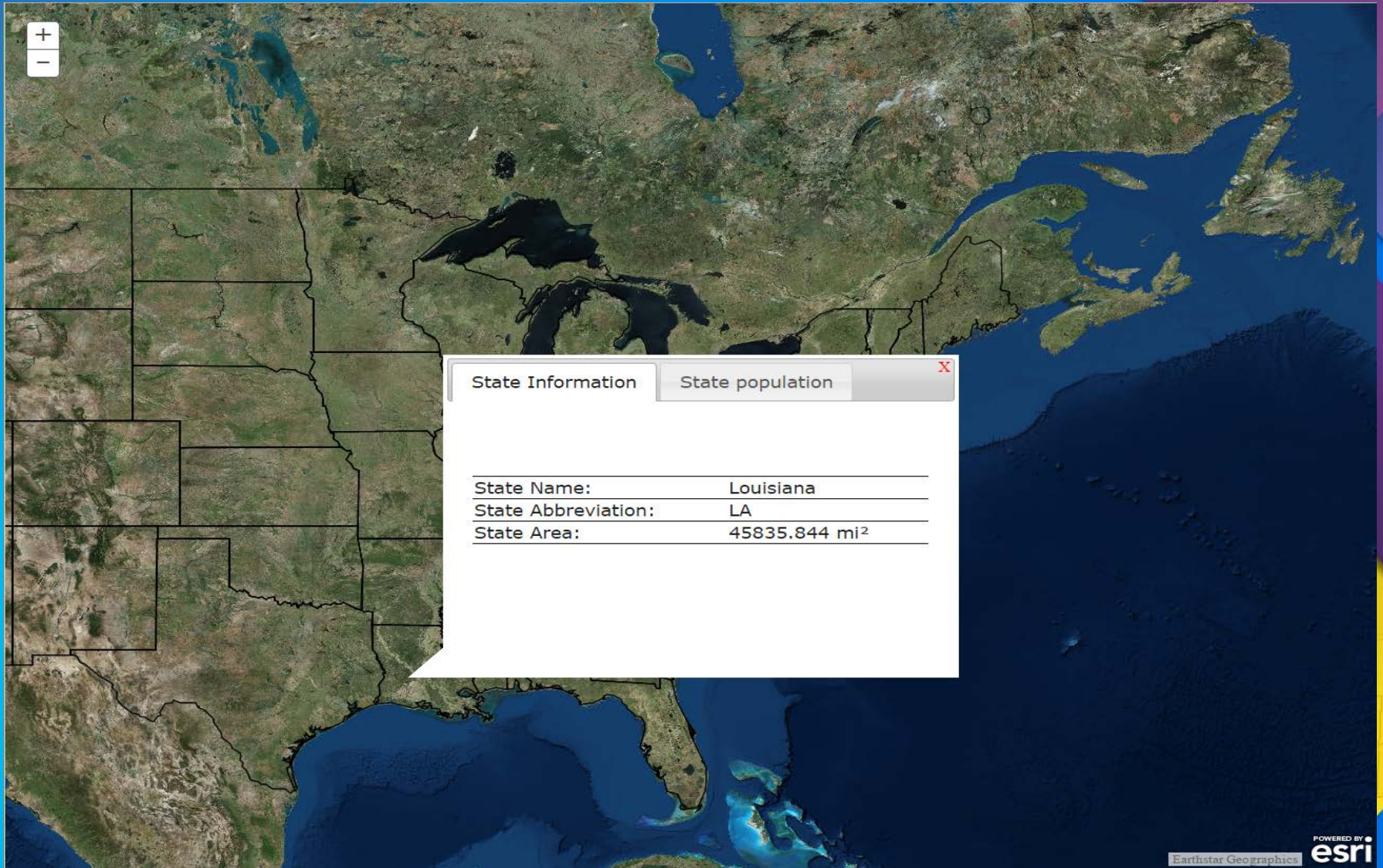
- The dataset that you choose to display will be visible in the floating dynamic div.
- A user can move the map and have the floating div be anchored to the location of the mouse click.
- For this example, general state information was displayed in the floating div



# Example

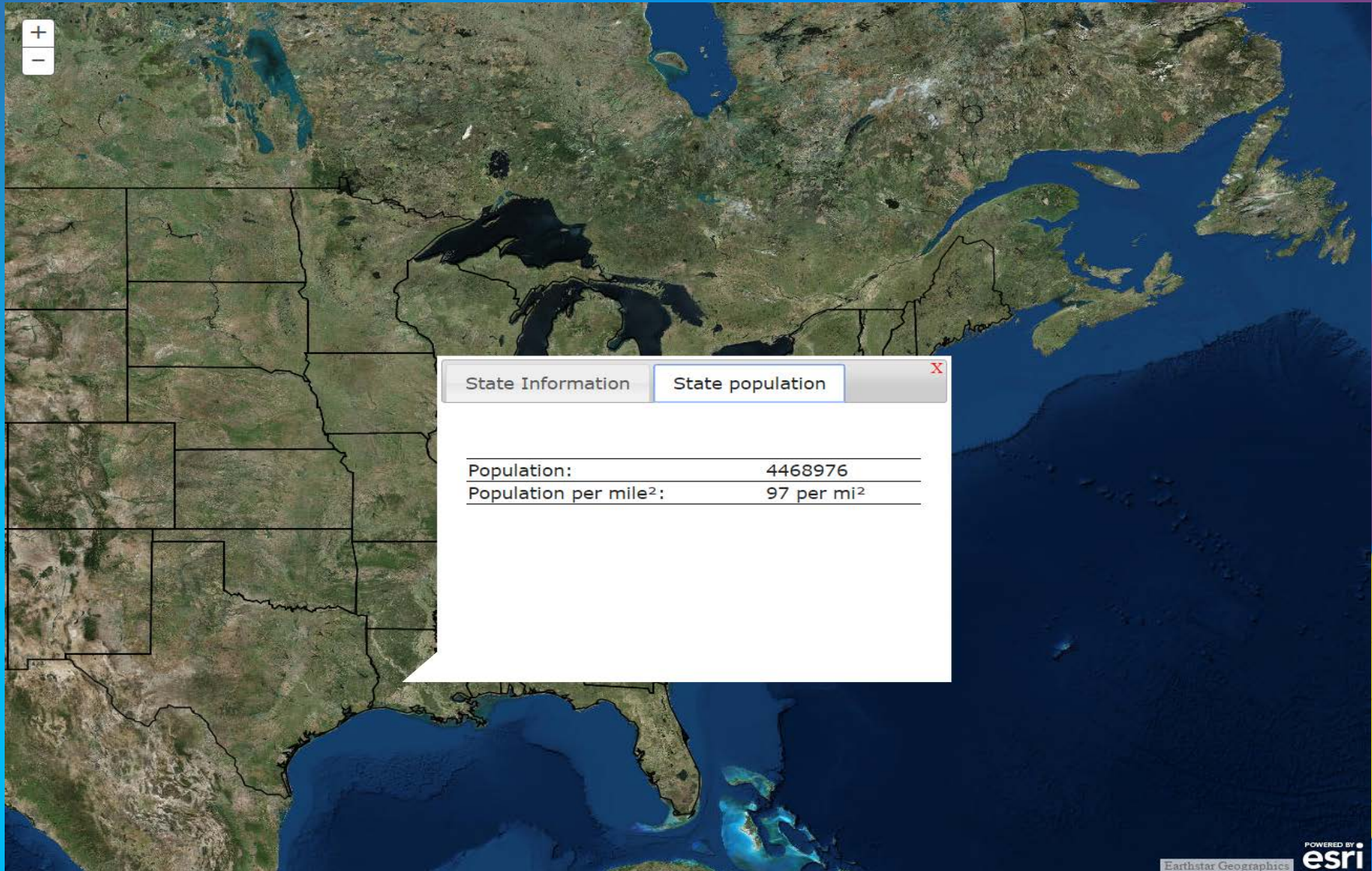






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The code is Open Source and will be available on the USGS Github account.

<https://github.com/usgs>