

# Extend your **SOS** Presentation beyond the Sphere with **Story Maps**

[livingatlas.arcgis.com](http://livingatlas.arcgis.com)

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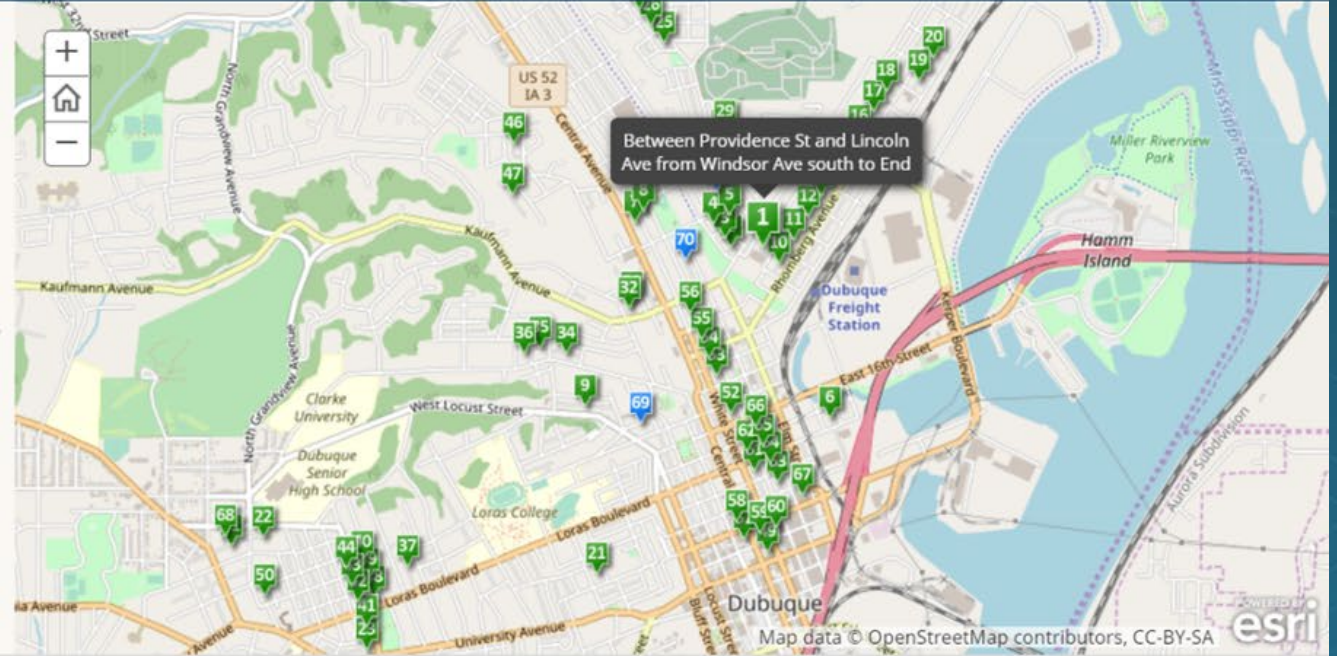











# Bee Branch Watershed Green Alley Program

Bee Branch Watershed Flood Mitigation Project   

A map of permeable green alleys reconstructed between 2014 and 2017 as part of the Bee Branch Watershed Flood Mitigation Project in Dubuque, Iowa.

**Bee Branch Watershed**  
FLOOD MITIGATION PROJECT 



-  **1** Before After  
Between Providence St and Lincoln Ave from Windsor Ave south to End
-  **2** Before After  
Between E 24th St & E 22nd St from Queen St to Prince St
-  **3** Before After  
Between Prince St & Queen St from Regent St south to
-  **4** Before After  
Between Prince St & Queen St from E 24th St to Regent
-  **5** Before After  
Between Queen St & Windsor Ave from E 24th St
-  **6** Before After  
Between Maple St & Cedar St from E 15th St to E 14th St
-  **7** Before After  
Between Central Ave & White St from E 25th St to
-  **8** Before After  
Between White St & Jackson St from E 25th to White St
-  **9** Before After  
Between Almond St & W Locust St from Foye St to

## Story Map Tour

<http://dubuque.maps.arcgis.com/apps/MapTour/index.html?appid=14ed42ce82c140c1ae5c5a32d7d3407f>



## Global Poverty

Poverty affects billions of people around the globe. On a daily basis, they face low wages and substandard health, education, and living standards. Because of this, poverty must be understood and approached as a multidimensional issue.

Through the use of storytelling, videos, and interactive maps, we'll take a look at one method of measuring global poverty. This measure, called the Multidimensional Poverty Index (MPI), addresses poverty through an integrative approach.

*"To know is beautiful. To understand expands knowledge. To act upon creates change."*

-Rodel Natividad Casio

Photo credit: "Homeless woman" by Alexey Klementiev

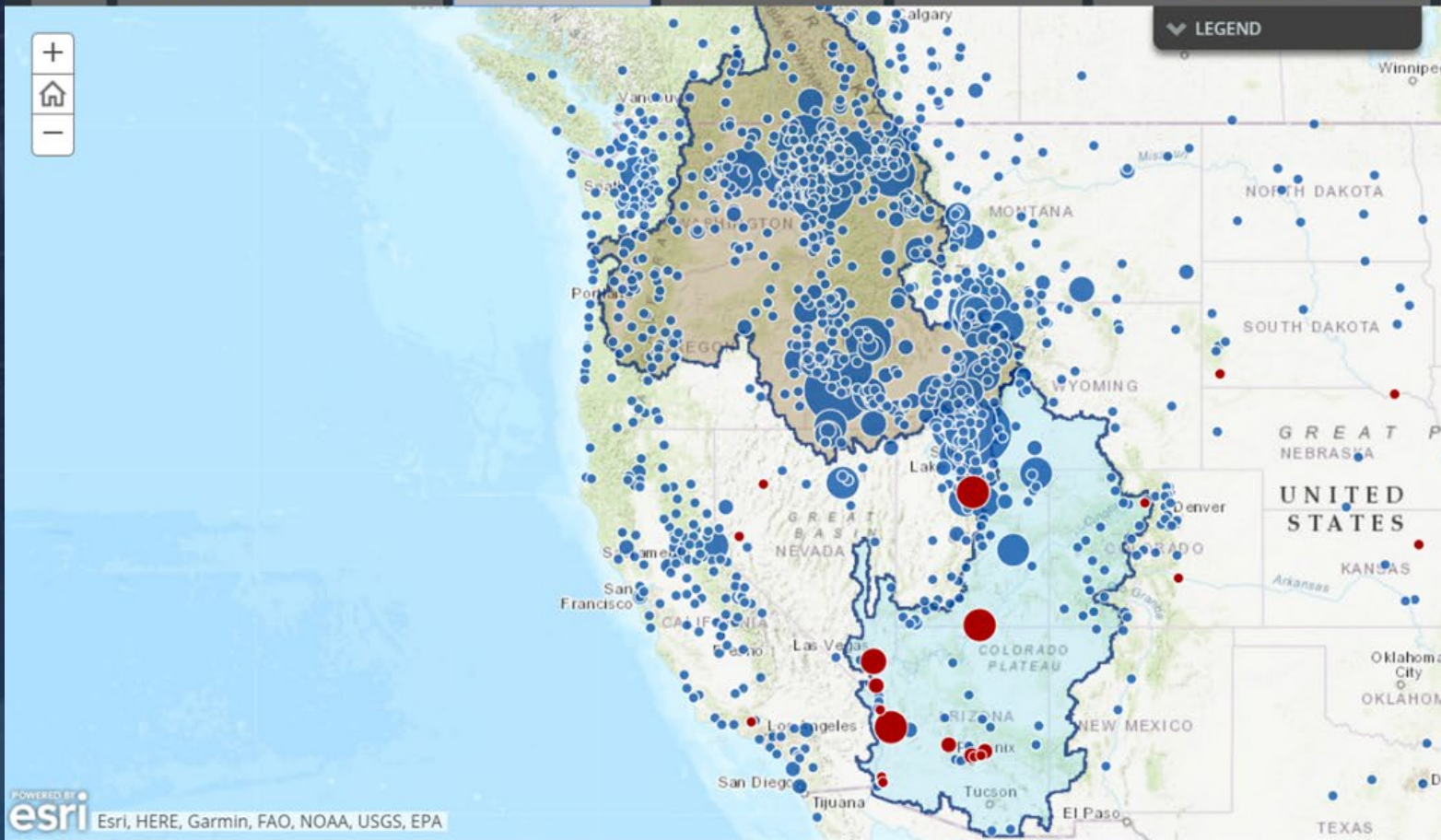
## Story Map Journal

<https://urbanobservatory.maps.arcgis.com/apps/MapJournal/index.html?appid=3b502ce450414dc29eff9c68a4c982a6>

# Protecting Idaho's Waters From Aquatic Invasive Species - 2015 Field Season

Idaho State Department of Agriculture

- Intro
- Inspection Station Locations 2015
- Previous Locations
- Destination Locations
- Home Residences
- Home Residence by State/Province
- Additional Inspections
- Water Samples



## Previously Visited Locations

Have you visited a lake that has aquatic invasive species in it already?

Unfortunately invasive species are moving from waterbody to waterbody by hitchhiking on boats, float planes, docks, trailers, and anything else that sits in the water.

The Idaho State Department of Agriculture is interested in where you have been before you launch in Idaho. As part of the inspection process, watercraft owners explain the waterbodies they have visited in the last 30 days to help the inspection crew determine what level of risk they pose to Idaho waters.

If the watercraft has been in an impacted water body in the last 30 days, it is then considered a high risk. High risk watercraft receive a hotwash (washed with high temperature water) to kill any organisms that may be present.

The highest risk to Idaho, the Pacific Northwest, and the Columbia River watershed for Quagga/Zebra mussel introduction is the lower Colorado River system.

Waterbody locations colored **Red** in the map on the left are Quagga/Zebra mussel locations visited by watercraft before entering a roadside inspection station in Idaho.

**\*\* Individual maps for each inspection station in 2015.**

## Story Map Series

<https://idaho.maps.arcgis.com/apps/MapSeries/index.html?appid=17e491a6685f4ad09b20f4ec9763e2f7>

<https://icfgeospatial.maps.arcgis.com/apps/MapSeries/index.html?appid=58f90c5a5b5f4f94aaff93211c45e4ec>

## ▶ Cost of Living

Amazon employees will see their money stretch further than they currently do as **Philadelphia's cost of living is 18% lower than Seattle's.**

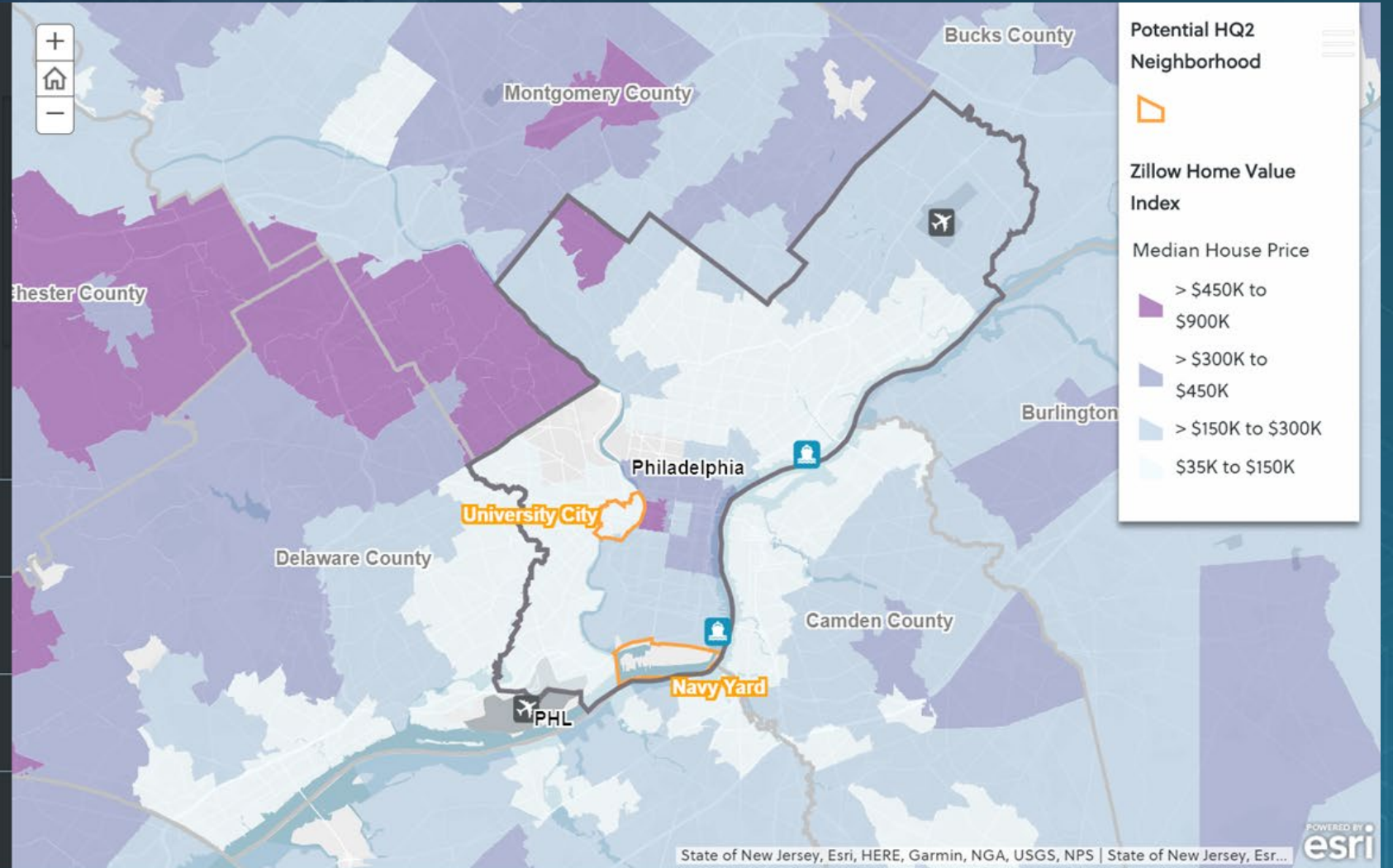
The current median price of a single-family home in the Philadelphia region is \$242,000, compared to \$472,000 in Seattle, \$446,000 in Boston, \$423,000 in D.C. and \$412,000 in New York.

## ▶ Housing Density

## ▶ Arts and Culture

## ▶ Outdoor Recreation

## ▶ Bikeability



# Story Map Cascade

<https://public.philadelphiadelivers.com/livability>



Introduction

Level 1

Level 2

Level 3

Level 4

Level 5

Get Data

Teacher's Guide

## Introduction

The bleaching of corals has become a significant threat to coral reef ecosystems worldwide. How is this threat measured and monitored?

This activity uses a series of interactive web maps, apps, videos, and high resolution images to help you learn about coral bleaching using real data from NOAA.

Work through Levels 1-5, or explore the data on your own using the NOAA data tools.

**Teachers:** These online activities support an in-depth curriculum module on Coral Bleaching for middle school students and beyond. To access the full suite of curricular resources, visit the Teachers Guide tab.



## Story Map Inside a Story Map

<https://nrcs.maps.arcgis.com/apps/Shortlist/index.html?appid=78fbc7f505a492793f25a2c28bd9ca6>

<https://dataintheclassroom.noaa.gov>

# California Salmon Snapshots

[Salmon Snapshots](#)[By the Numbers](#)[Restoration Actions](#)[Restoration Partners](#)[Additional Resources](#)[View Population Data](#)

## The Big Picture

### The Status of California's Salmon and Steelhead

A story map [f](#) [t](#) [e](#)

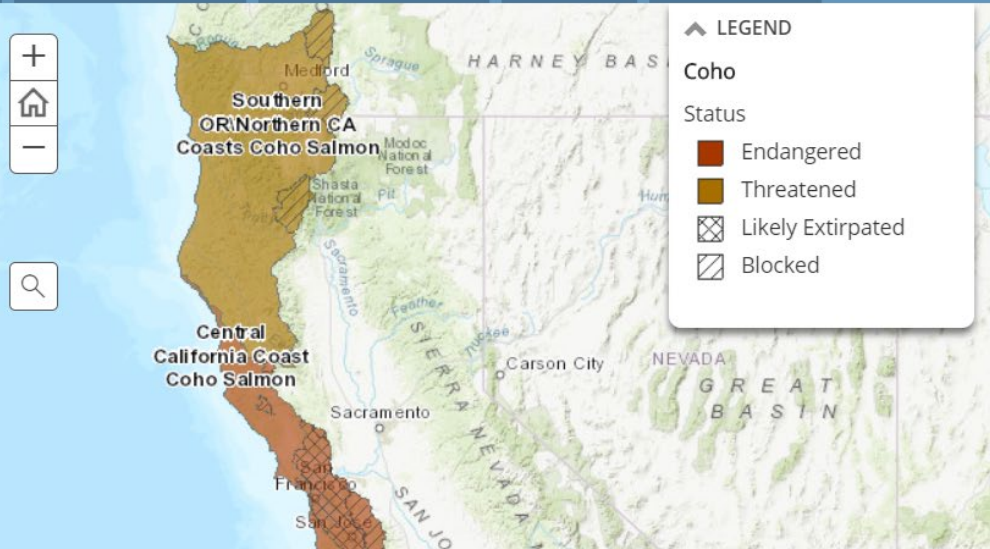
In 2015-16, estimates of fish returning to spawn in monitored California rivers were 146,088 Chinook, 11,520 coho, and 10,612 steelhead. Another 95,250 were known to return to California's hatcheries and 72,004 Chinook were estimated to have been harvested in river. The total estimate of monitored fish is 335,474.

[Coho](#)[Fall and Late Fall-run Chinook](#)[Winter-run Chinook](#)[Spring-run Chinook](#)[Steelhead](#)[Counting Fish](#)

Illustration: © Joe Tomelleri

Today, there are **68 populations** (historically, there were 104) of coho salmon divided between two evolutionarily significant units (ESUs) in Northern California. **All populations** are state and federally listed as **threatened or endangered**, but roughly only 50% are monitored.

CA Coho Database in 2015



## Embed in a Website

<http://www.casalmon.org/by-the-numbers>

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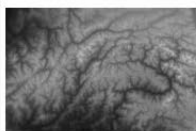
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1645 Results


**Terrain**

 Imagery Layer By: [esri](#)

A multi-resolution world elevation layer providing access to elevation values for use in analysis with functions for slope, aspect, and hillshade.

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**Active Hurricanes**

 Map Image Layer By: [esri](#)

This layer describes the path and forecast path of tropical activity from the National Hurricane Center and Joint Typhoon Warning Center. ArcGIS Online subscription required.

Subscriber  Authoritative [Share](#) [Star](#) [More](#)


**USA Forest Type**

 Imagery Layer By: [esri](#)

This layer contains the Forest Type across the contiguous United States and Alaska.

Subscriber  Authoritative [Share](#) [Star](#) [More](#)


**Severe Weather Web Map**

 Web Map By: [jbaranyi/DRP](#)


Map containing live feed sources for severe weather across the United States.

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**Ocean Basemap**

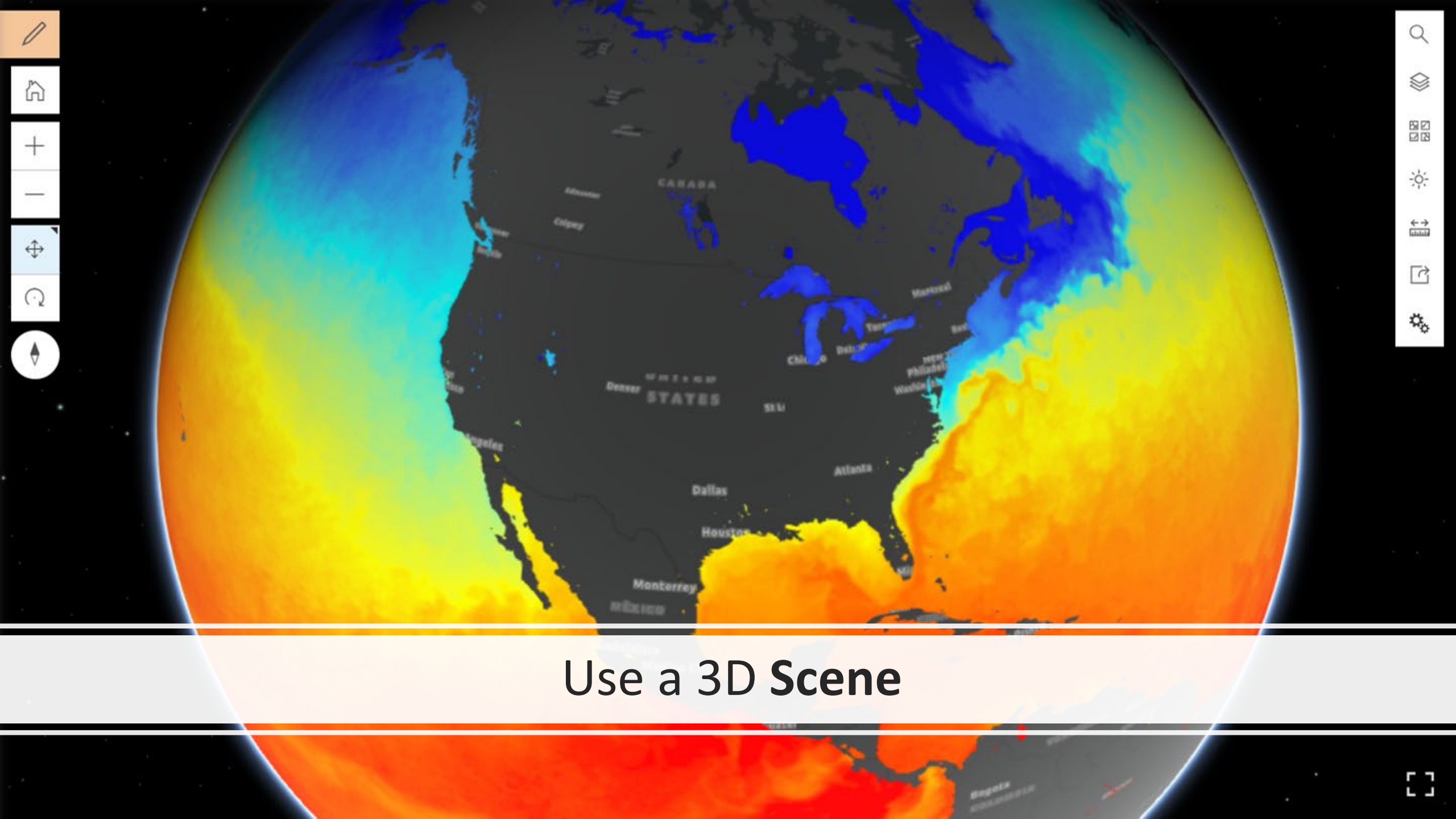


**USA Wildfire Activity**



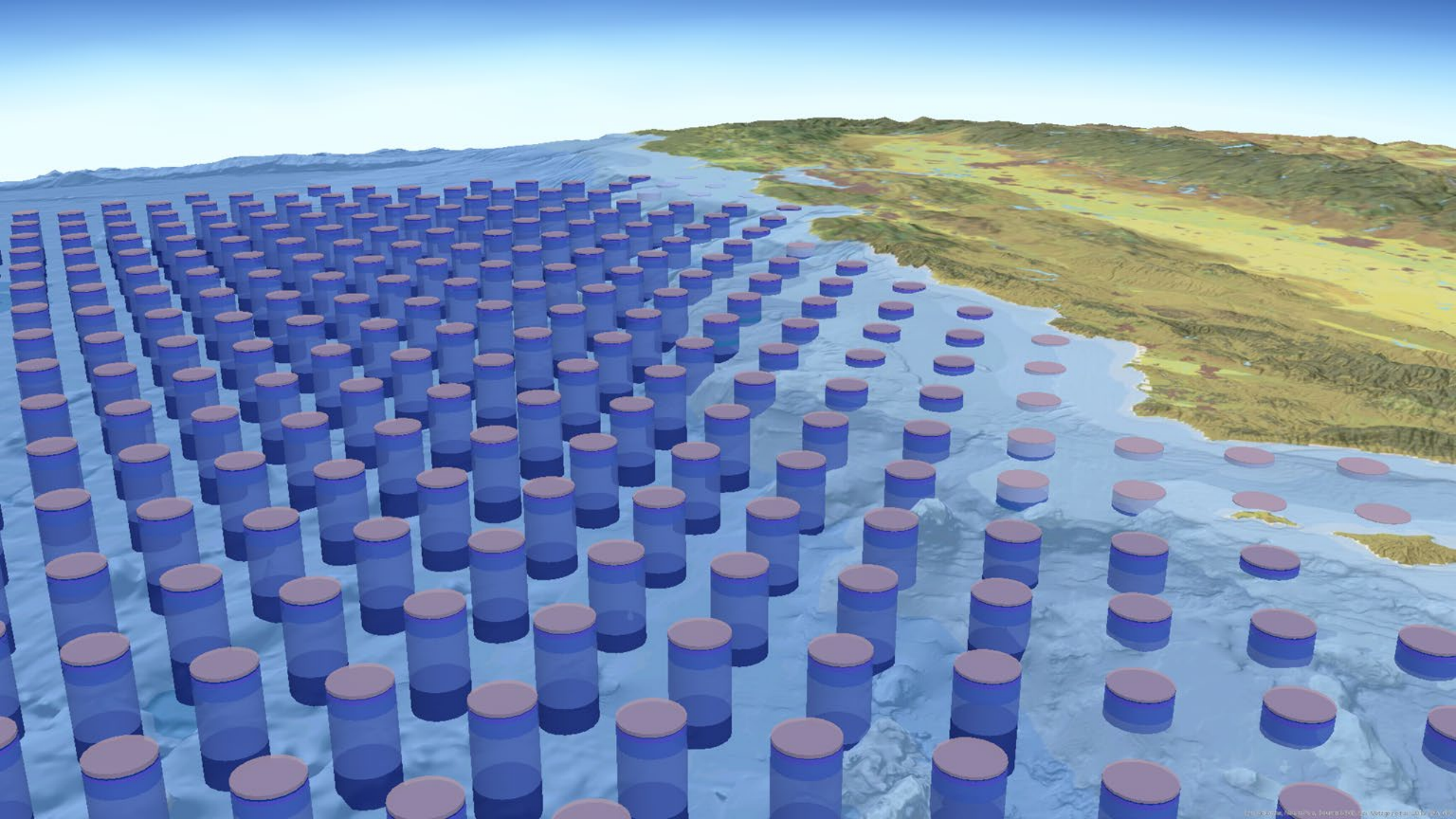
Integrated with  
**The Living Atlas of the World**  
[livingatlas.arcgis.com](http://livingatlas.arcgis.com)





Use a 3D Scene





# Resources for Building Story Maps

Story Maps home page:  
<https://storymaps.arcgis.com>

Story Maps Gallery:  
<https://storymaps.arcgis.com/gallery>

Museums and Library Examples: <https://storymaps.arcgis.com/en/gallery/#s=0&md=storymaps-industry:libraries-museums-institutions>

Display as Autoplay Presentation:  
<http://storymaps.esri.com/showcase/>

Advanced Developer Resources:  
<https://storymaps.arcgis.com/en/resources/> (including HTML for interactive time-outs)

# Simple to Built and Share

- No coding required. Easy interactive builders step you through. No servers to set up. Drag/drop pics.
- Can be the work of one person, or a collaborative effort with team making maps, writing, taking pics
- Share publicly or just inside your enterprise: outreach/publicity to citizens, stakeholders, the world
- Story Maps are part of ArcGIS: built into ArcGIS Online or ArcGIS Enterprise. No extra cost. K-12 has free access to ArcGIS Online from [arcgis.com/connected](https://arcgis.com/connected)

# Content parallels

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## SOS Content

- Hurricanes
- Earthquakes
- Wildfires
- Earth Imagery
- Weather Forecasts
- Precipitation
- Climate Models
- Sea Surface Temperature
- Chlorophyll/Ocean Color
- Ocean Circulation Models
- Human Population

## Living Atlas Content

- [Active Hurricanes](#), [Recent Hurricanes](#)
- [Recent Earthquakes](#)
- [MODIS Thermal Activity](#)
- Imagery: [MODIS](#), [Landsat](#), [Sentinel](#)
- [Weather Forecasts \(U.S\)](#)
- [Global Hydrology Models \(GLDAS\)](#)
- [Climate Models](#)
- [Sea Surface Temperature](#)
- [Chlorophyll/Ocean Color](#)
- [HYCOM Ocean Circulation Models](#)
- [Human Population](#)



# Extending the Story

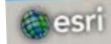
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- Incorporate local, higher resolution data and examples
- Display data that is not as easily displayed on SOS
- Change the map to communicate a message
- Combine environmental data with demographic and socio-economic data







A Story Map

# The Whole Map and Nothing but the Map

no margins, no frames...just the map image

Learn to output your map for the Science On a Sphere  
[Esri Story Map](#)