



Selecting [or making] the Perfect Basemap

John Nelson | Esri

William Shuart | Virginia Commonwealth University

...also DRONES
with lasers

2018 Esri Federal GIS Conference | Washington, DC



What would you say you do here?

I'll rush through this bit...

- John Nelson
- Cartography and UX Design at Esri
- Living Atlas, Story Maps, etc.
- John_Nelson@esri.com
- [@john_m_nelson](#)
- esriurl.com/nelson



The Force is strong with this one.

Who is this person next to him?

Take a picture of this handy information...

- William Shuart
- GIS Instructor at Virginia Commonwealth University
- Environmental data management, etc.
- wshuart@vcu.edu
- @WilliamShuart
- esriurl.com/WilliamShuart

- Where are they all?
- Context or Content
- Light or Dark?
- Raster or Vector?
- Can I change or make them?
- Am I stuck with Mercator?

- Flying and integrating drone-captured imagery for customized basemaps


Exploring Basemaps in the Living Atlas

Search Esri, Partner, and User, basemaps. Or submit your own!

Filter: All content typesAll timeAll regionsEsi-only Content

Sort by: Relevance531 Results

Top Results



TILE LAYER

World Transportation

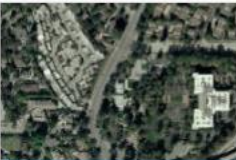
By esri

Info

Star

Share

Open In



TILE LAYER

World Imagery


By esri

Info

Star

Share

Open In



TILE LAYER

World Street Map


By esri

Info

Star

Share

Open In



TILE LAYER

USA Topo Maps


By esri

Info

Star

Share

Open In



TILE LAYER

World Boundaries and Places

By esri


Info

Star

Share

Open In

Esri Basemaps



TILE LAYER

World Transportation


By esri

Info

Star

Share

Open In



TILE LAYER

World Imagery


By esri

Info

Star

Share

Open In



TILE LAYER

World Street Map


By esri

Info

Star

Share

Open In



TILE LAYER

World Boundaries and Places


By esri

Info

Star

Share

Open In



TILE LAYER

World Topographic Map

By esri

Info

Star

Share

Open In

Show More

Partner Basemaps



TILE LAYER



WEB MAP



WEB MAP



TILE LAYER

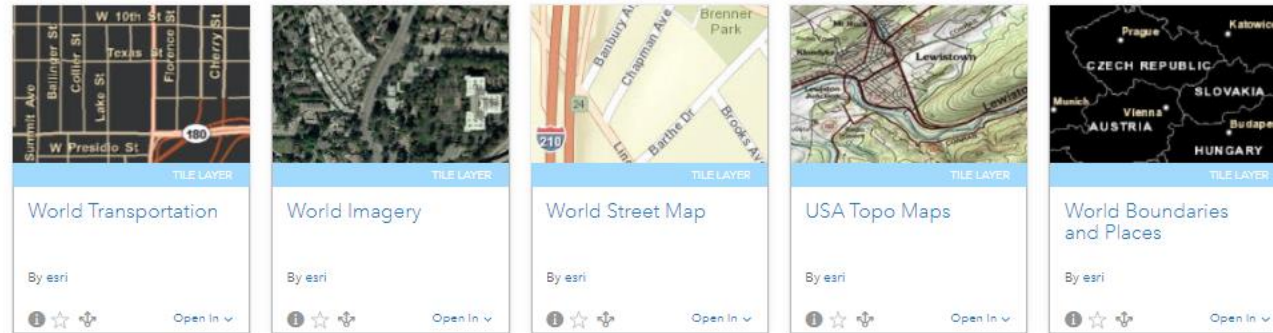


TILE LAYER

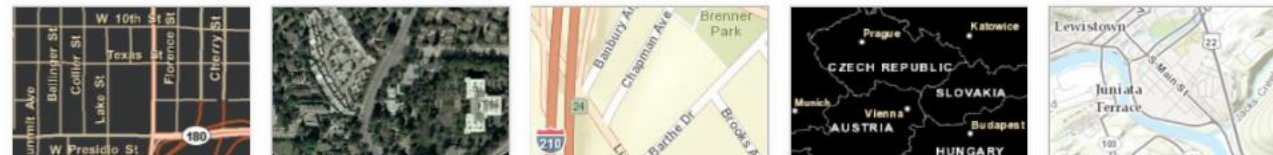


Filter: All content types All time All regions Eri-only Content Sort by: Relevance 331 Results

Top Results



Esri Basemaps




livingatlas.arcgis.com

World Navigation Map

Overview



This (v2) vector tile layer provides a detailed basemap for the world featuring a custom navigation map style.

 Tile Layer by [esri](#)

Created: Oct 26, 2017 Updated: Feb 23, 2018 View Count: 54

Description

This vector tile layer, updated in February 2018, provides a detailed basemap for the world symbolized with a custom navigation map style that is designed for use during the day in mobile devices. The vector tile layer is similar in content to [World Street Map](#), which is delivered as a raster fused map cache tile layer. This vector tile layer provides unique capabilities for customization and high-resolution display.

This comprehensive street map includes highways, major roads, minor roads, railways, water features, cities, parks, landmarks, building footprints, and administrative boundaries. This vector tile layer is built using the same data sources used for the raster basemap [World Street Map](#) and other Esri basemaps. Alignment of boundaries is a presentation of the feature provided by our data vendors and does not imply endorsement by Esri or any governing authority.

Use this Map

This map is designed to be used as a basemap layer or reference layer in a web map. You can add this layer to a web map and save as your own map. If you would like to use this map as a basemap layer in a web map, you may use the vector basemap [Navigation](#) web map.

Customize this Map

Because this map is delivered as a vector tile layer, users can customize the map to change its content and symbology, including fonts. Users are able to turn on and off layers, change symbols for layers, switch to alternate local language (in some areas), and refine the treatment of disputed boundaries. See the [Vector Basemap group](#) for other vector tile layers. For details on how to customize this map, please refer to these articles on the [ArcGIS Online Blog](#) and view the [Esri Vector Basemaps Reference Document](#).

Layers

[World_Basemap_v2](#)

[Open in Map Viewer](#)[Open in Scene Viewer](#)[View style](#)

Details

Source: [Vector Tile Service](#)

Size: 1 MB

★ ★ ★ ★ ★



Owner



esri

Tags

[v2](#), [wma](#), [World_Basemap_v2](#), [global](#), [streetmapmobile](#), [basemaps](#), [vector](#), [basemap](#), [esri_basemap](#), [general availability](#)

Credits (Attribution)

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

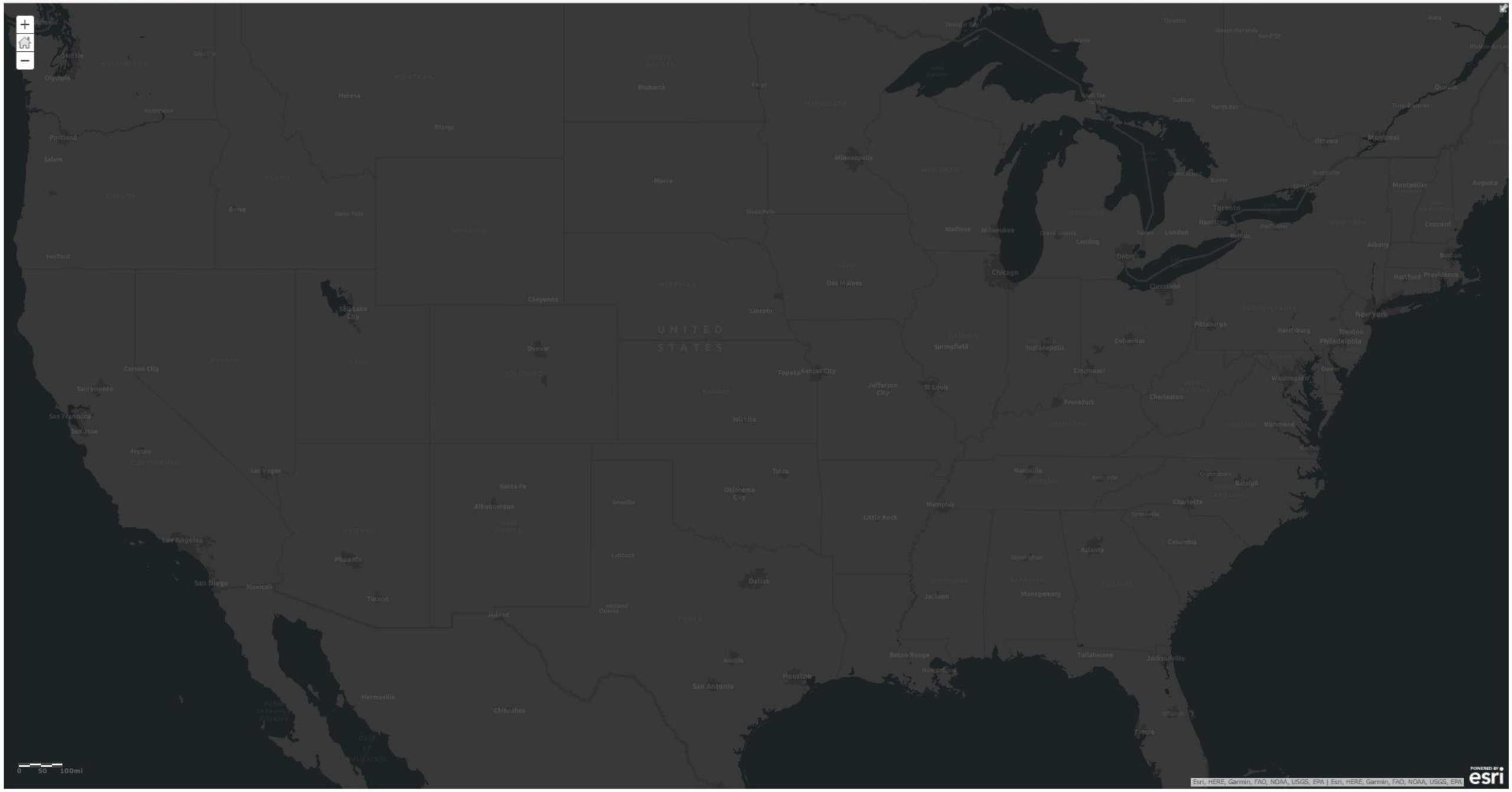
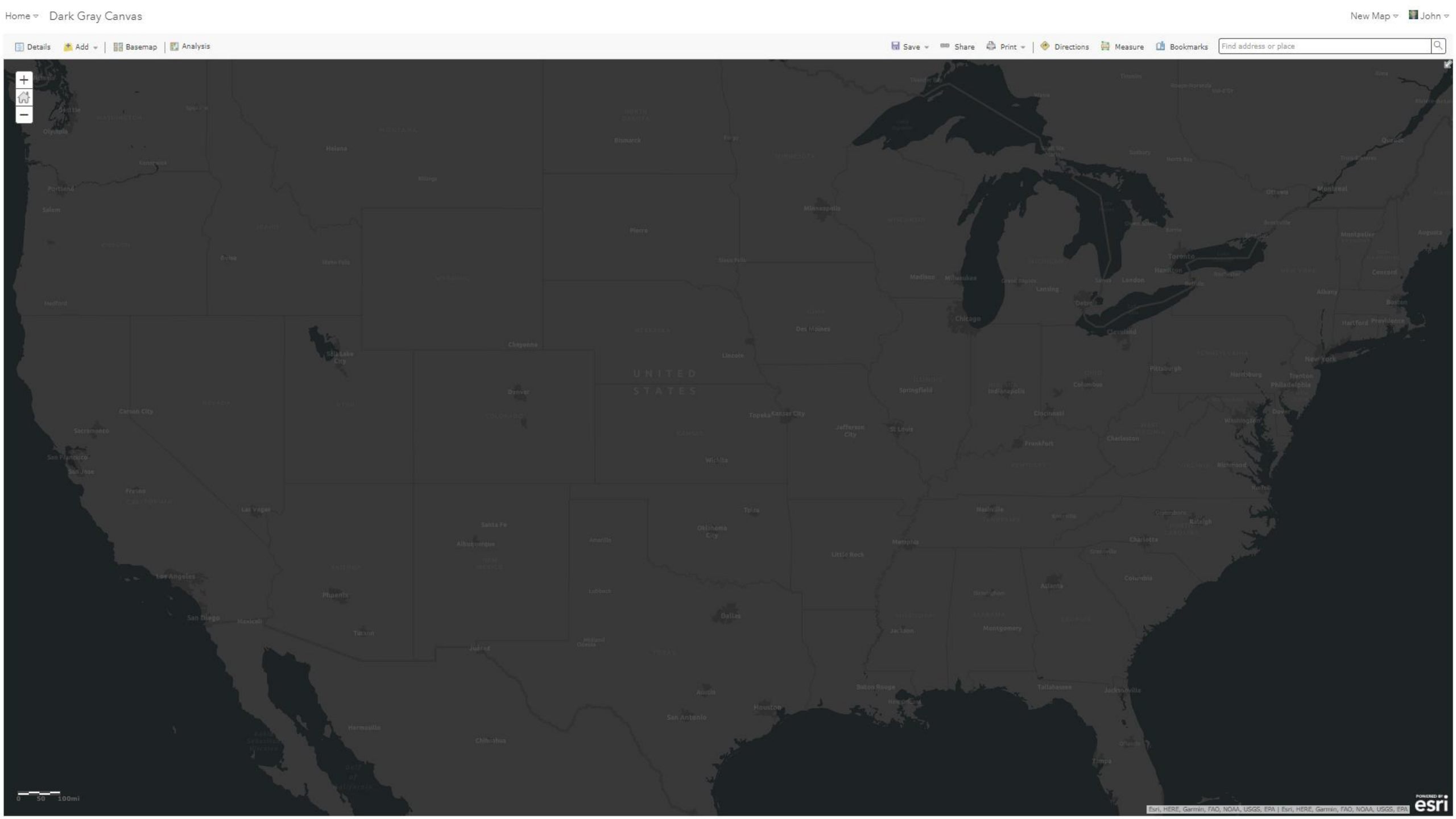
URL

[View](#)<https://basemaps.arcgis.com/arcgis/res>



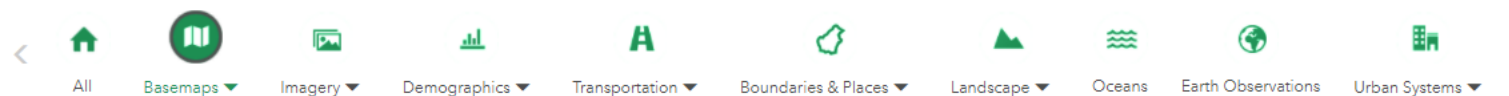
BASE·MAP?





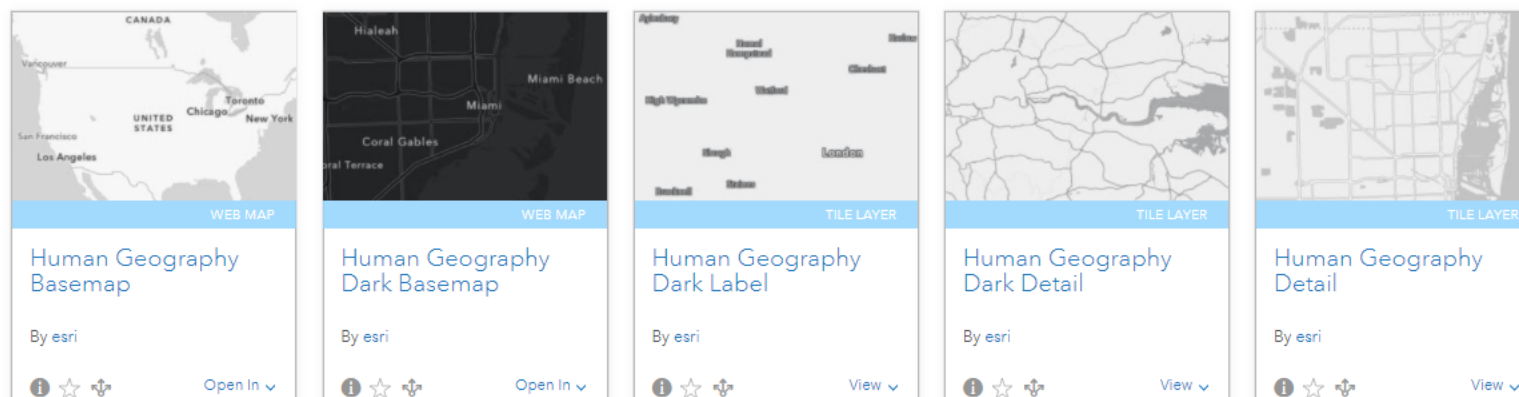


Search human geography

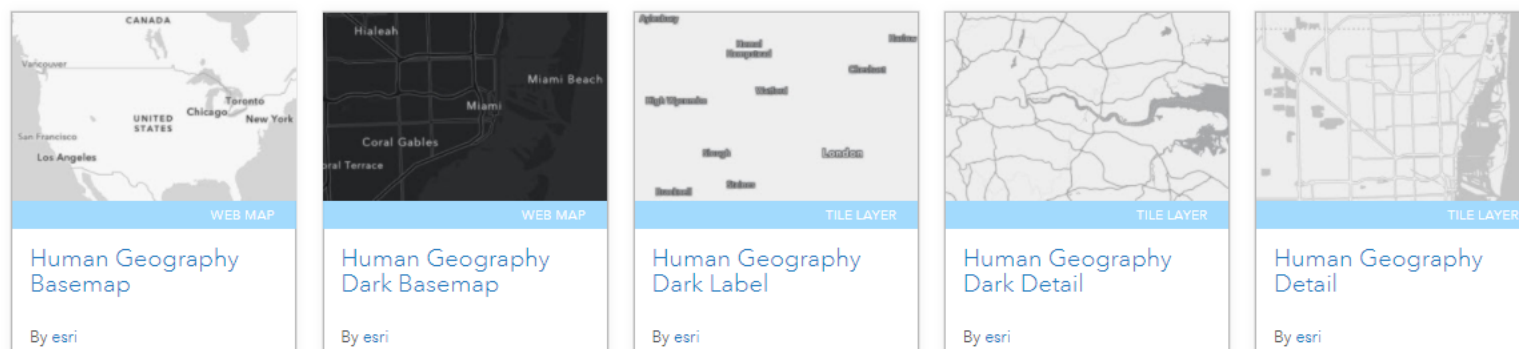
[Search examples](#)Filter: All content types All time All regions ☐ Esri-only Content

Sort by: Relevance 8 Results

Top Results



Esri Basemaps



Search human geography



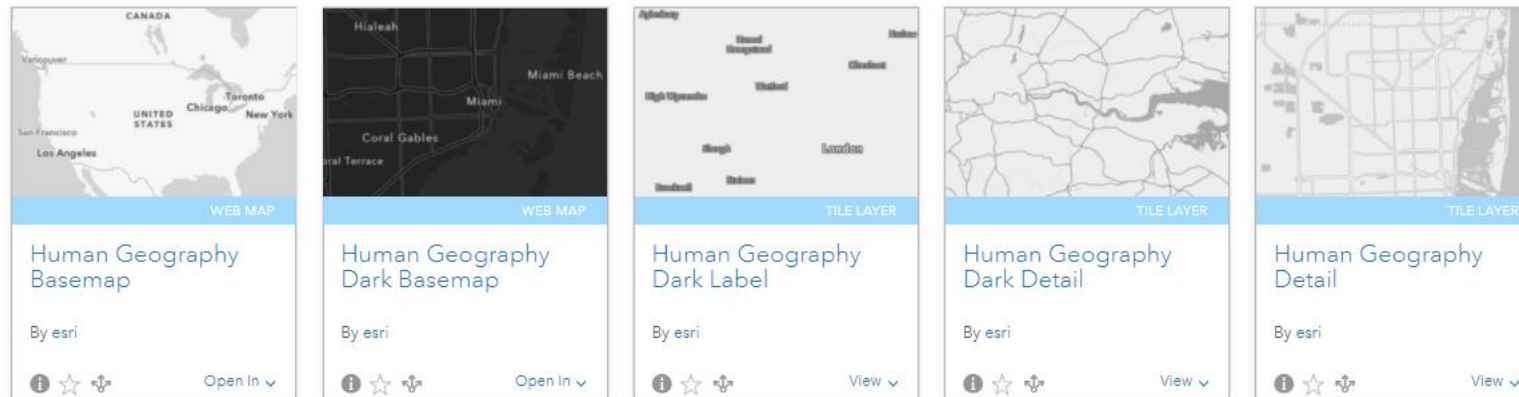
Search examples



Filter: All content types All time All regions Esri-only Content

Sort by: Relevance 8 Results

Top Results



esriurl.com/HumanGeographyBase



- Label
- Detail
- Subject
- Base

Search dark



[Search examples](#)

- All
- Basemaps**
- Imagery
- Demographics
- Transportation
- Boundaries & Places
- Landscape
- Oceans
- Earth Observations
- Urban Systems

Filter: All content types All time All regions ☐ Esri-only Content

Sort by: Relevance 25 Results

Top Results

<p>TILE LAYER</p> <p>World Dark Gray Base</p> <p>By esri</p> <p>Open In</p>	<p>WEB MAP</p> <p>Dark Gray Canvas</p> <p>By esri</p> <p>Open In</p>	<p>TILE LAYER</p> <p>World Dark Gray Reference</p> <p>By esri</p> <p>Open In</p>	<p>WEB MAP</p> <p>NZ Canvas Dark</p> <p>By eaglegis</p> <p>Open In</p>	<p>WEB MAP</p> <p>Dark Gray Canvas</p> <p>By esri</p> <p>Open In</p>
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Esri Basemaps

<p>TILE LAYER</p> <p>World Boundaries and Places</p> <p>By esri</p>	<p>TILE LAYER</p> <p>World Dark Gray Base</p> <p>By esri</p>	<p>TILE LAYER</p> <p>World Dark Gray Reference</p> <p>By esri</p>	<p>WEB MAP</p> <p>Dark Gray Canvas</p> <p>By esri</p>	<p>WEB MAP</p> <p>NZ Canvas Dark</p> <p>By eaglegis</p>
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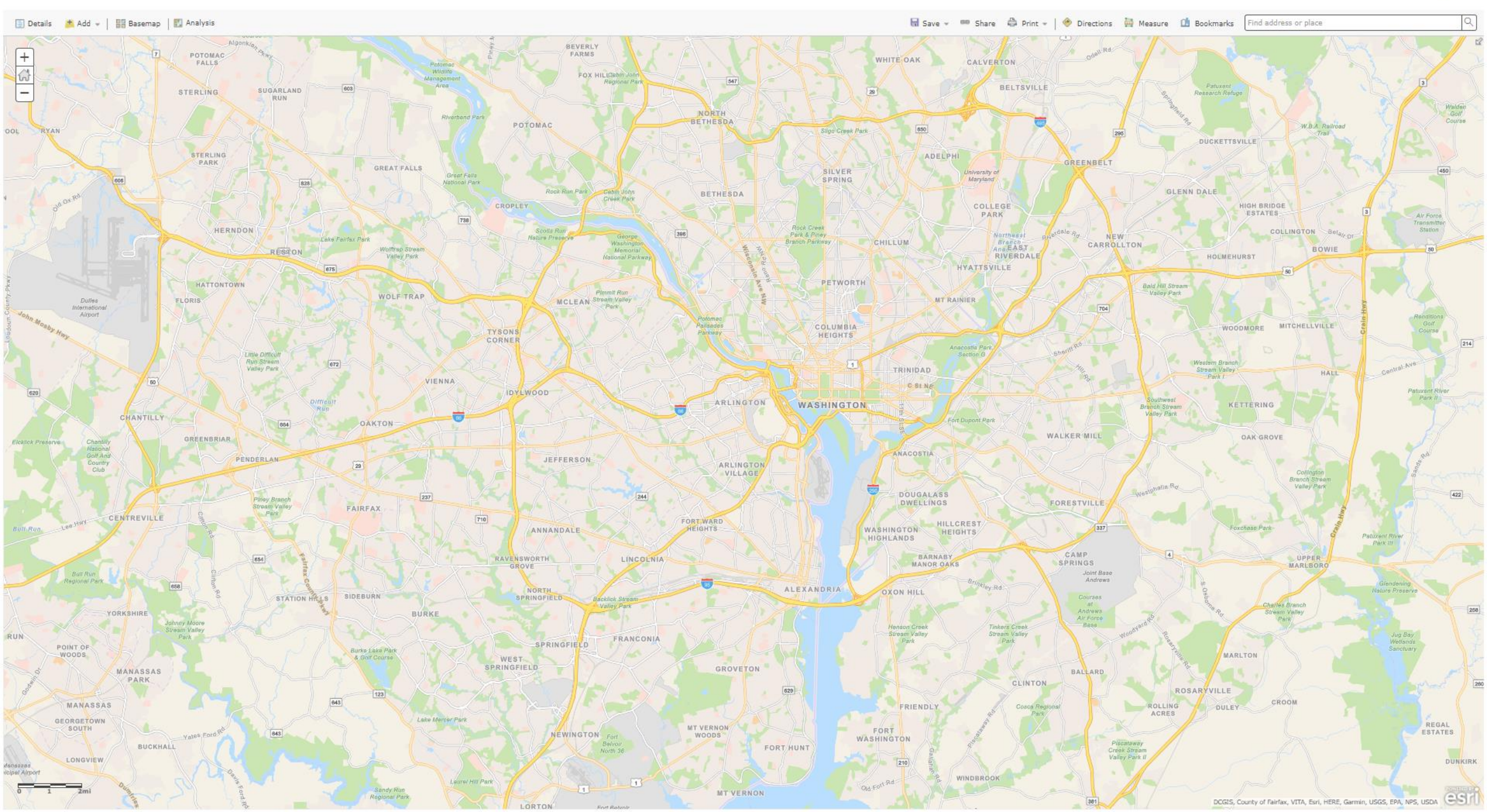


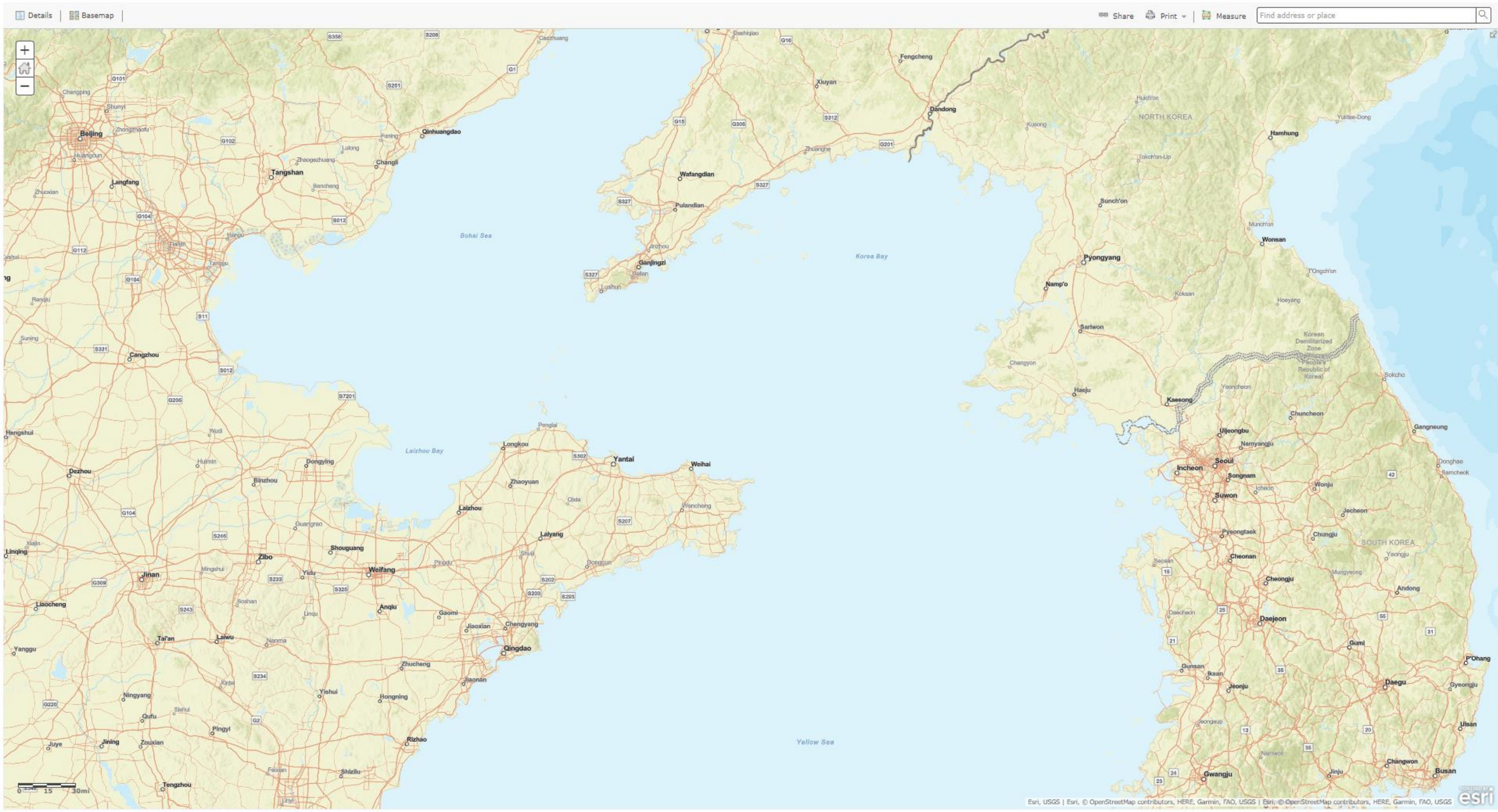


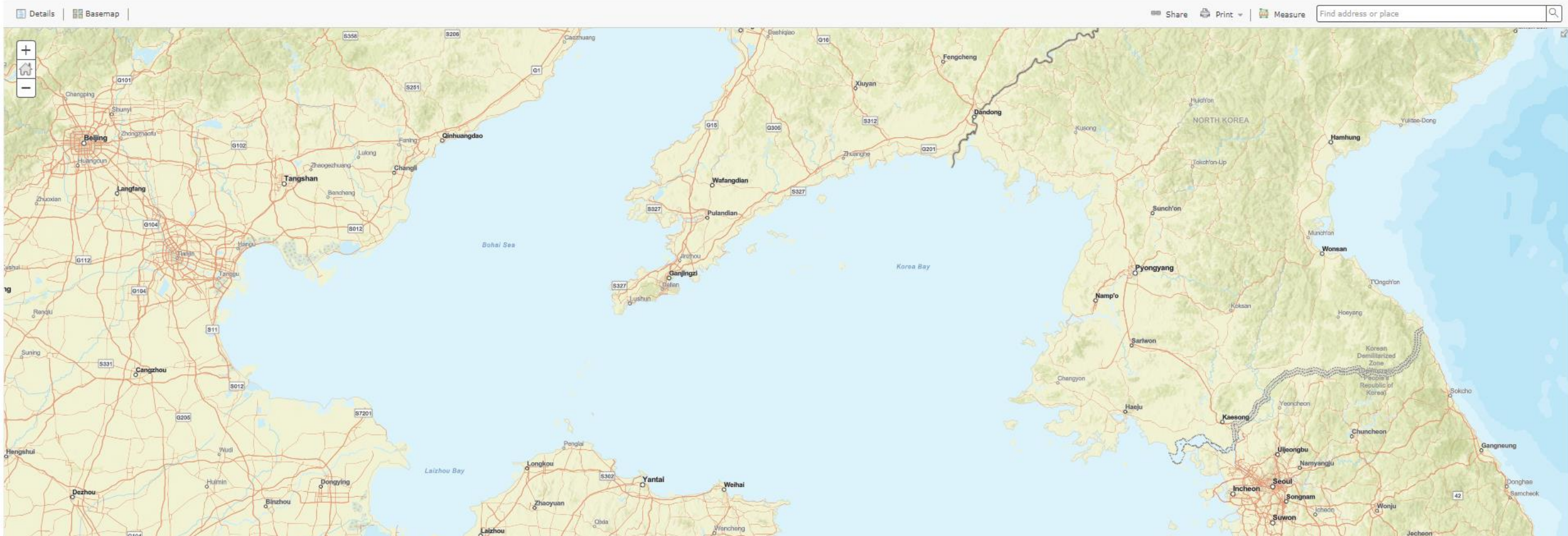


BASE·MAP?









esriurl.com/DOSbase

Search clarity

[Search examples](#)

All



Basemaps ▾



Imagery ▾



Demographics ▾



Transportation ▾



Boundaries & Places ▾



Landscape ▾



Oceans



Earth Observations



Urban Systems ▾



Filter:

All content types ▾

All time ▾

All regions ▾

☐ Esri-only Content

Sort by: Relevance ▾

3 Results

Top Results



WEB MAP

World Imagery
(Clarity)

By esri



Open In ▾



WEB MAPPING APPLICATION

World Imagery Views

By dkenso



Open



WEB MAPPING APPLICATION

Alternativas al Mapa
Base de Imágenes

By EsriEspanaContenidos



Open

Esri Basemaps



WEB MAP

World Imagery
(Clarity)

By esri



WEB MAPPING APPLICATION

World Imagery Views

By dkenso



WEB MAPPING APPLICATION

Alternativas al Mapa
Base de Imágenes

By EsriEspanaContenidos



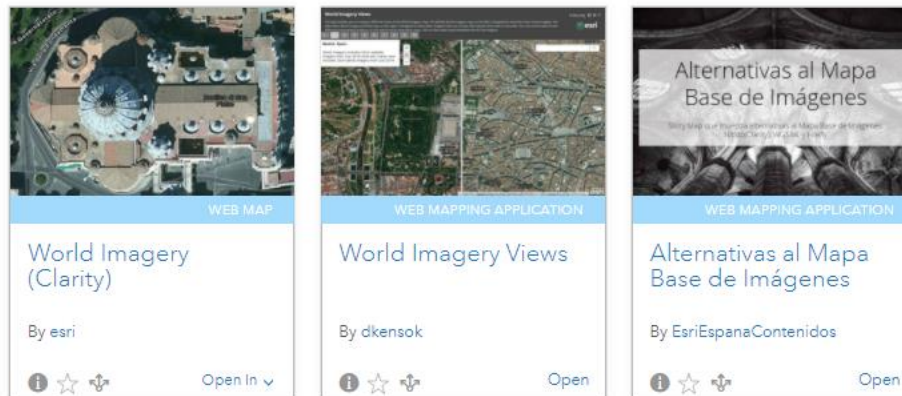
Search clarity

[Search examples](#)Filter: All content types All time All regions ☐ Esri-only Content

Sort by: Relevance

3 Results

Top Results



esriurl.com/ClarityBase

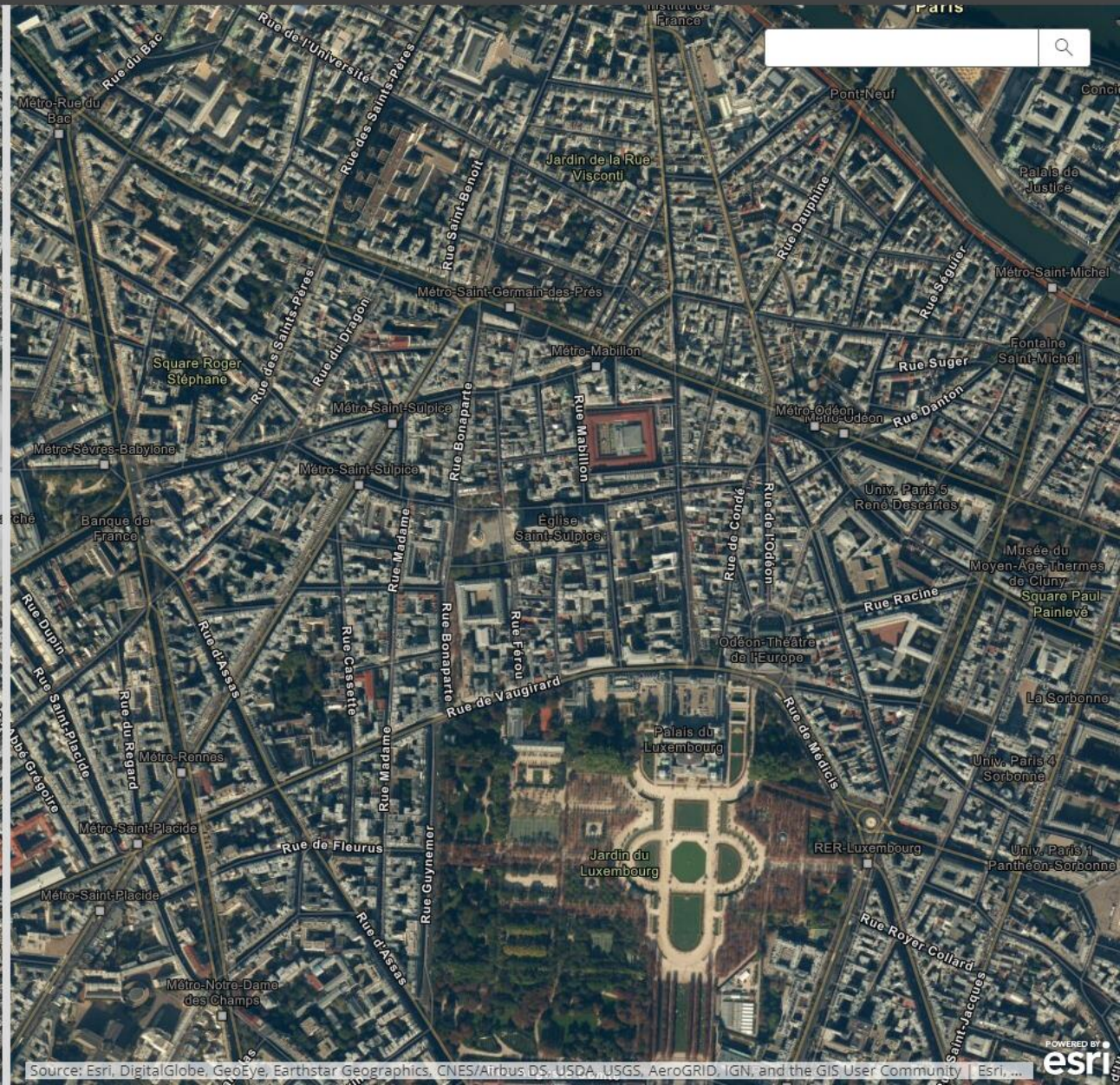
World Imagery Views

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



This app enables you to compare different views of the World Imagery map. The default World Imagery map, on the left, is designed to show the most recent imagery. The alternative World Imagery (Clarity) map, on the right, is designed to show other imagery from our archive that may be more clear or accurate. You can use the tabs to view different bookmarked locations, or the search tool to view other areas. Click on the maps to get metadata info for the imagery.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10





Search wgs84



Search examples



Filter: All content types All time All regions Esri-only Content

Sort by: Relevance 33 Results

Top Results

TILE LAYER

World Imagery (WGS84)

By esri

Open In

WEB MAP

Imagery Hybrid (WGS84)

By esri

Open In

WEB MAP

Imagery (WGS84)

By esri

Open In

TILE LAYER

World Hillshade (WGS84)

By esri

Open In

WEB MAP

Streets (WGS84)

By esri

Open In

Esri Basemaps

TILE LAYER

World Imagery (WGS84)

By esri

WEB MAP

Imagery Hybrid (WGS84)

By esri

WEB MAP

Imagery (WGS84)

By esri

WEB MAP

Streets (WGS84)

By esri

TILE LAYER

World Hillshade (WGS84)

By esri



Search wgs84

[Search examples](#)Filter: All content types ▾ All time ▾ All regions ▾ ☐ Esri-only Content

Sort by: Relevance ▾

33 Results

Top Results



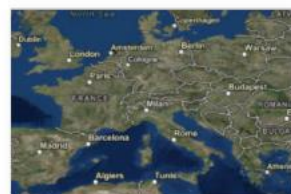
TILE LAYER

World Imagery
(WGS84)

By esri



Open In ▾



WEB MAP

Imagery Hybrid
(WGS84)

By esri



Open In ▾



WEB MAP

Imagery (WGS84)

By esri



Open In ▾



TILE LAYER

World Hillshade
(WGS84)

By esri



Open In ▾



WEB MAP

Streets (WGS84)

By esri



Open In ▾


esriurl.com/WGS84Base


Exploring Basemaps from within the Map Viewer


Swapping out a basemap for another...





Select a basemap



Dark Gray Canvas



Dark Gray Canvas



Human Geography



Human Geography Dark



Imagery



Imagery Hybrid



Light Gray Canvas


Navigation


Oceans


OpenStreetMap


Protected Areas and Intact


Streets



Details

Add ▾

Basemap

Analysis

Save ▾

Share

Print ▾

Directions

Measure

Bookmarks

Find address or place

+

Home

-


Search for Layers

Browse Living Atlas Layers

Add Layer from Web

Add Layer from File

Add Map Notes

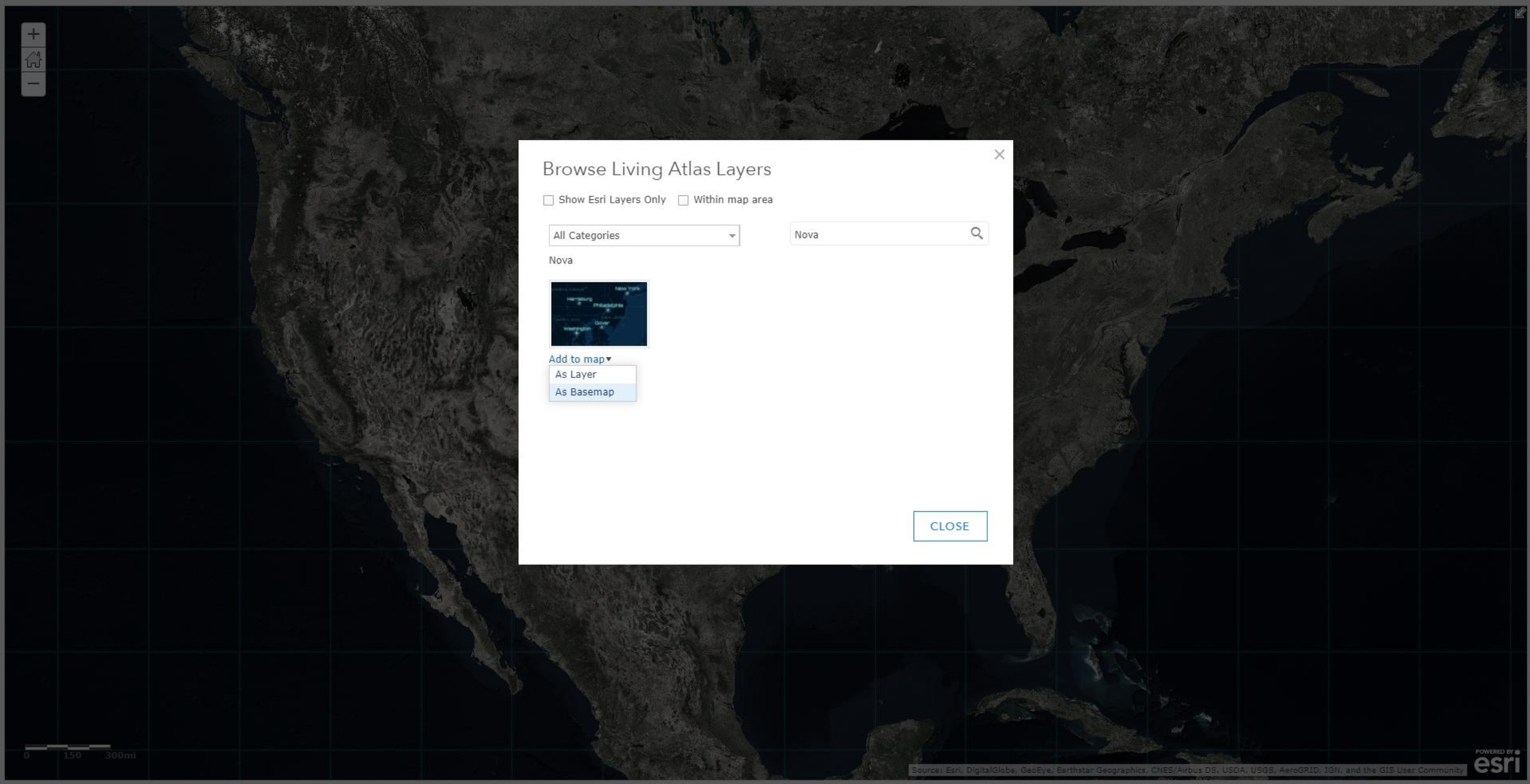


A satellite map of North America, showing the United States, Canada, and Mexico. The map is overlaid with a dark blue grid. The terrain is visible in shades of brown and green, with dark blue water bodies. The map is centered on the United States.

0150300mi

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

POWERED BY
esri



Browse Living Atlas Layers

☐ Show Esri Layers Only

☐ Within map area

All Categories

Nova

Nova

Add to map ▾

As Layer

As Basemap

CLOSE

0 150 300mi

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

POWERED BY esri



Details

Add ▾

Basemap

Analysis

Save ▾

Share

Print ▾

Directions

Measure

Bookmarks

Find address or place

+

Home

−

Search for Layers

Browse Living Atlas Layers

Add Layer from Web

Add Layer from File

Add Map Notes

A map of North America, including the United States, Canada, and Mexico, displayed on a dark blue background with a light blue grid. Major cities are labeled in white text, including Vancouver, Seattle, Portland, San Francisco, Fresno, Los Angeles, San Diego, Phoenix, Tucson, El Paso, Hermosillo, Chihuahua, Culiacan, Torreón, Monterrey, Guadalajara, Mexico City, San Luis Potosí, Merida, Kingston, Port-au-Prince, Havana, Miami, Tampa, Jacksonville, New Orleans, Houston, San Antonio, Dallas, Oklahoma City, Memphis, Nashville, Knoxville, Raleigh, Charlotte, Richmond, Washington, Pittsburgh, New York, Albany, Boston, Quebec, Montreal, Toronto, Detroit, Chicago, Milwaukee, Minneapolis, St. Louis, Cincinnati, Kansas City, Denver, Salt Lake City, Regina, Winnipeg, and Calgary. The map also shows the Gulf of Mexico, the Gulf of St. Lawrence, and Lake Superior. The text "UNITED STATES" and "MEXICO" are centered over their respective countries. A scale bar at the bottom left indicates distances of 0, 150, and 300 miles. The Esri logo and "POWERED BY" text are at the bottom right.

Details

Add ▾

Basemap

Analysis

Save ▾

Share

Print ▾

Directions

Measure

Bookmarks

Find address or place

Search for Layers

Find: (e.g., parcels, fire...)

GO

In: My Organization ▾

☒ Within map area

☐ Authoritative content only

601 Results Found

UO_NA_Reference

by AtlasPublisher

Add

UO_NA_Basemap

by AtlasPublisher

Add

Traffic

by AtlasPublisher

Add

Highway Access North America

by AtlasPublisher

Add

Tokyo_Reference

by AtlasPublisher

Add

votes_dot_choropleth_final10

by AtlasPublisher

Add

WM_Slate_Base

by AtlasPublisher

Add

USA Population Density

by AtlasPublisher

Add

DGCM_2Msmaller_REF

by AtlasPublisher

Add

Tokyo_Base

by AtlasPublisher

Add

USA Census Black Population

by AtlasPublisher

Add

Paris_Basemap

by AtlasPublisher

Add

DGCM_2Msmaller_BASE

by AtlasPublisher

Add

Hamburg_Reference

by AtlasPublisher

Add

Hamburg_Base

by AtlasPublisher

Add

North_America_Youth_Population2

by AtlasPublisher

Add

DONE ADDING LAYERS

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+

Home

-

0150300mi

Queen Charlotte Sound

Calgary

Regina

Winnipeg

Vancouver

Seattle

Portland

Minneapolis

Lake Superior

Lake Huron

Toronto

Montreal

Albany

New York

Pittsburgh

Washington

Richmond

Cincinnati

St Louis

Kansas City

Denver

Salt Lake City

San Francisco

Fresno

Las Vegas

Oklahoma City

Phoenix

Tucson

El Paso

San Antonio

Houston

New Orleans

Jacksonville

Tampa

Miami

Havana

Merida

Mexico City

Guadalajara

Culiacan

Torreón

Monterrey

San Luis Potosí

Chihuahua

Hermosillo

Gulf of Mexico

Cuba

UNITED STATES

MEXICO

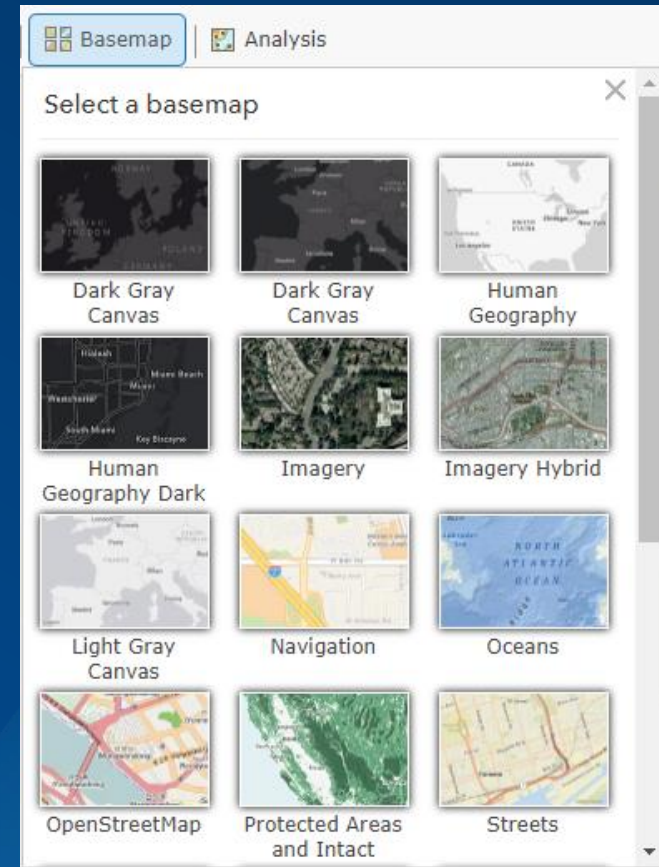
POWERED BY

esri

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Choosing Which Basemaps Appear for your Organization

Curating a custom list of basemaps for your go-to basemap gallery. This thing...



Story Maps Basemaps [Edit](#)

[Overview](#)[Content](#)[Members](#)[Settings](#)[Edit Thumbnail](#)

Add a brief summary about the group.

owned by StoryMaps

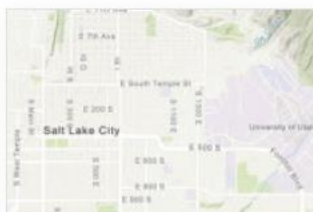
[Edit](#)[Invite Users](#)[Share](#)[Membership Requests](#) 0

Description

Add an in-depth description of the group.

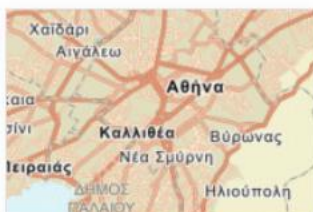
[Edit](#)

Latest Content

[View All Group Content](#)

Vector Topographic
by StoryMaps

Created: Jan 11, 2017
Updated: Feb 16, 2018
View Count: 1,000



Vector World Street Map (L...
by StoryMaps

Created: Jan 11, 2017
Updated: Feb 16, 2018
View Count: 942



Vector Imagery Hybrid
by StoryMaps

Created: Jan 11, 2017
Updated: Feb 16, 2018
View Count: 992



Vector Newspaper Map
by StoryMaps

Created: Jan 11, 2017
Updated: Feb 16, 2018
View Count: 1,140



Vector Human Geography (...
by StoryMaps

Created: Jan 25, 2018



Vector Human Geography (...
by StoryMaps

Created: Jan 25, 2018



Vector Sangria Basemap
by cooper.storymaps

Created: Nov 29, 2017



Vector Dark Gray Canvas
by StoryMaps

Created: Dec 8, 2017

Details

Created: August 24, 2015

Viewable by: Everyone (public)

Contributors: Members

6 members 45 items



Owner

[Change Owner](#)

Membership

[Leave Group](#)

✓ You are a group manager

Tags

[Edit](#)

administrative



Storytelling with Maps

SAVE

CANCEL

General

Home Page

Gallery

Map

Item Details

Groups

Utility Services

Roles

Marketplace

Credits

Security

Open Data

Map

Configure the components people in your organization will use to author maps.

Basemap Gallery



Select the group whose webmaps will be shown in the Basemap Gallery.

Story Maps Basemaps (Sto ▾ Sorted by: Title ▾ ☒ Ascending

☐ Share the Esri default basemaps to this group when you click Save. ?

Default Basemap



The Default Basemap opens when users click New Map. Set the group in the Basemap Gallery above and choose the map to open. It will open at the default extent you set. To set the default extent to the extent of your currently selected default basemap, click Use Map Extent as Default. To set a different extent, click Choose Extent and set the extent you want to use as your default extent.

Topographic ▾

USE MAP EXTENT AS DEFAULT

Default Extent



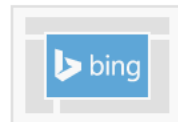
The Default Extent determines the extent used when users click New Map.

Left: -161.697 Right: 161.697

Top: 80.695 Bottom: -72.673

CHOOSE EXTENT

Bing Maps



Provide a Microsoft-supplied Bing Maps key in order to use Bing Maps in your organization's web maps. If you have any questions, please contact your account manager or local [Esri office](#).

Akt3ZoeZ089qyG3zWQZSWpwV3r864AHStal7Aon21-Fyxwq_KdydAH32LTwhieA8

☐ Allow this Bing key to be used in maps shared publicly by organization members.

Configurable Apps

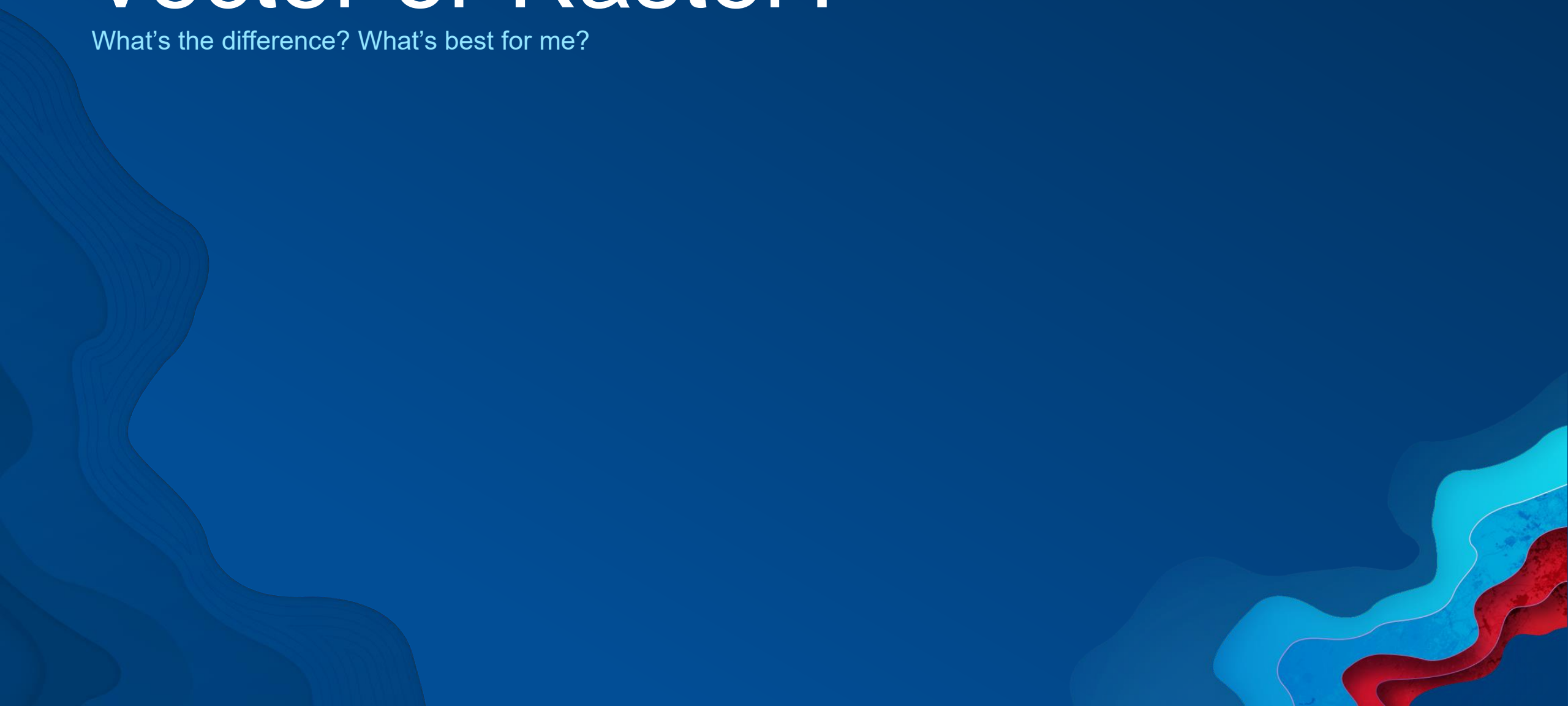


Configurable apps contain various settings users can configure to create web apps. Map-based apps display one or more maps. Choose which group contains the apps you want to use in the configurable apps gallery.

Esri Default ▾

Vector or Raster?

What's the difference? What's best for me?



Raster

Baked and tiled images, cached and fetched as users navigate the map

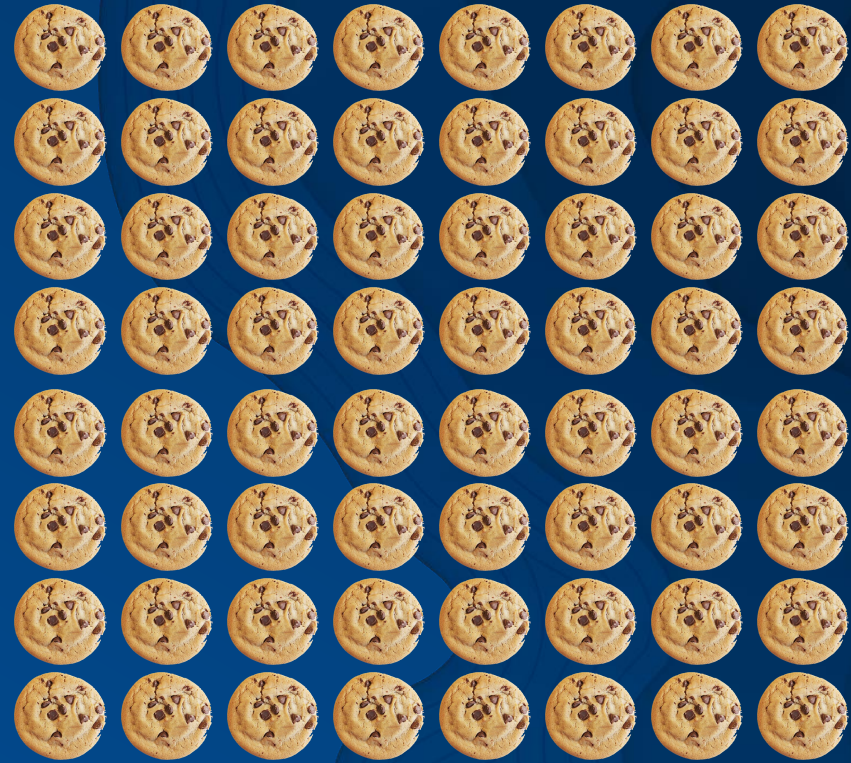
- “Baked” and cached
- Uniform size
- Increases 4x per standard zoom level
- Imagery

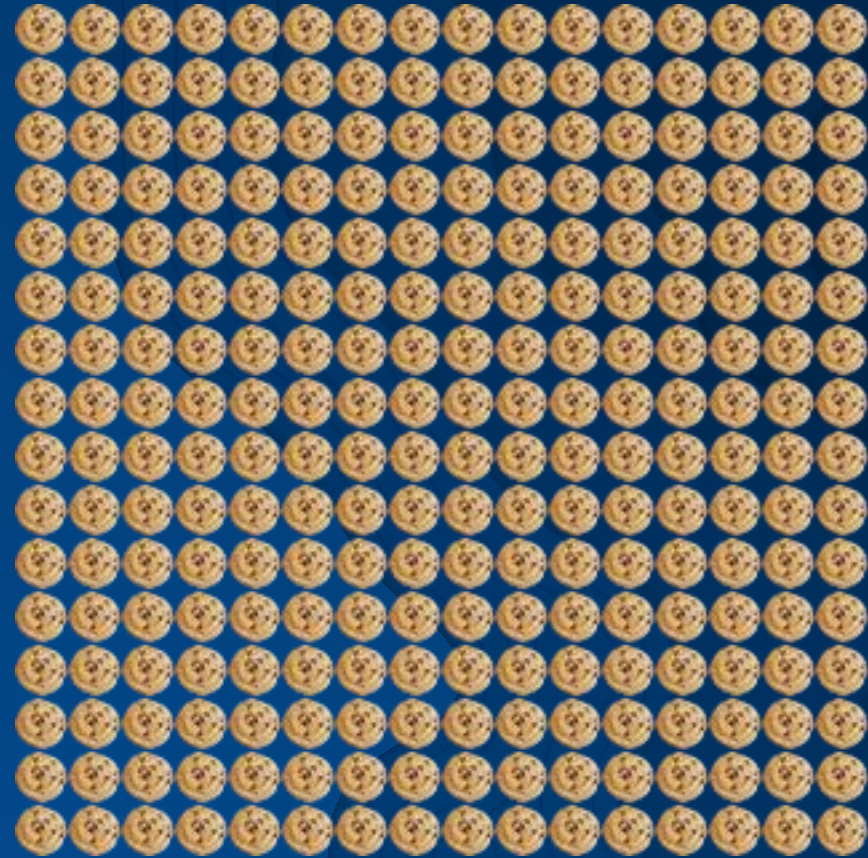


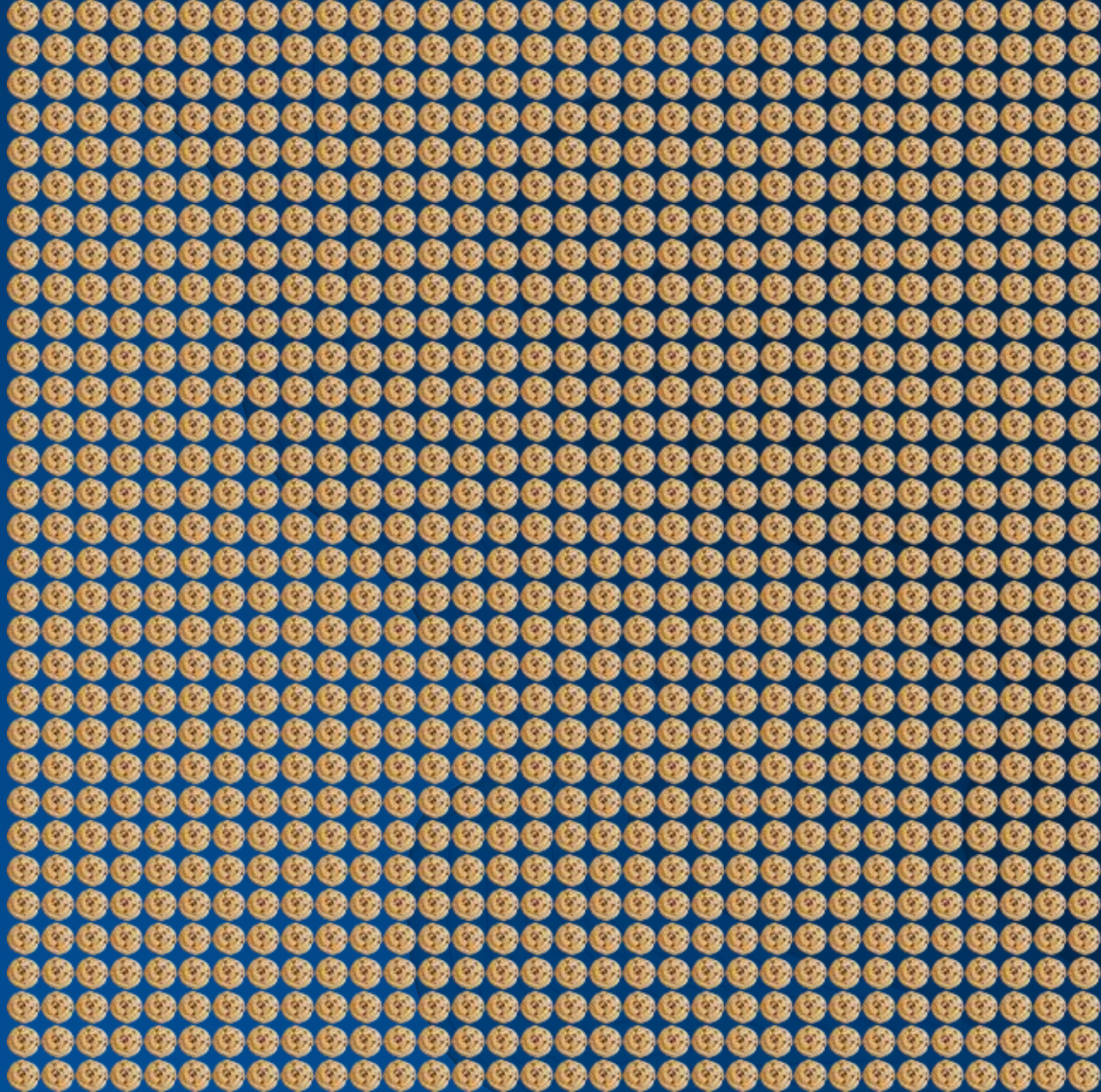


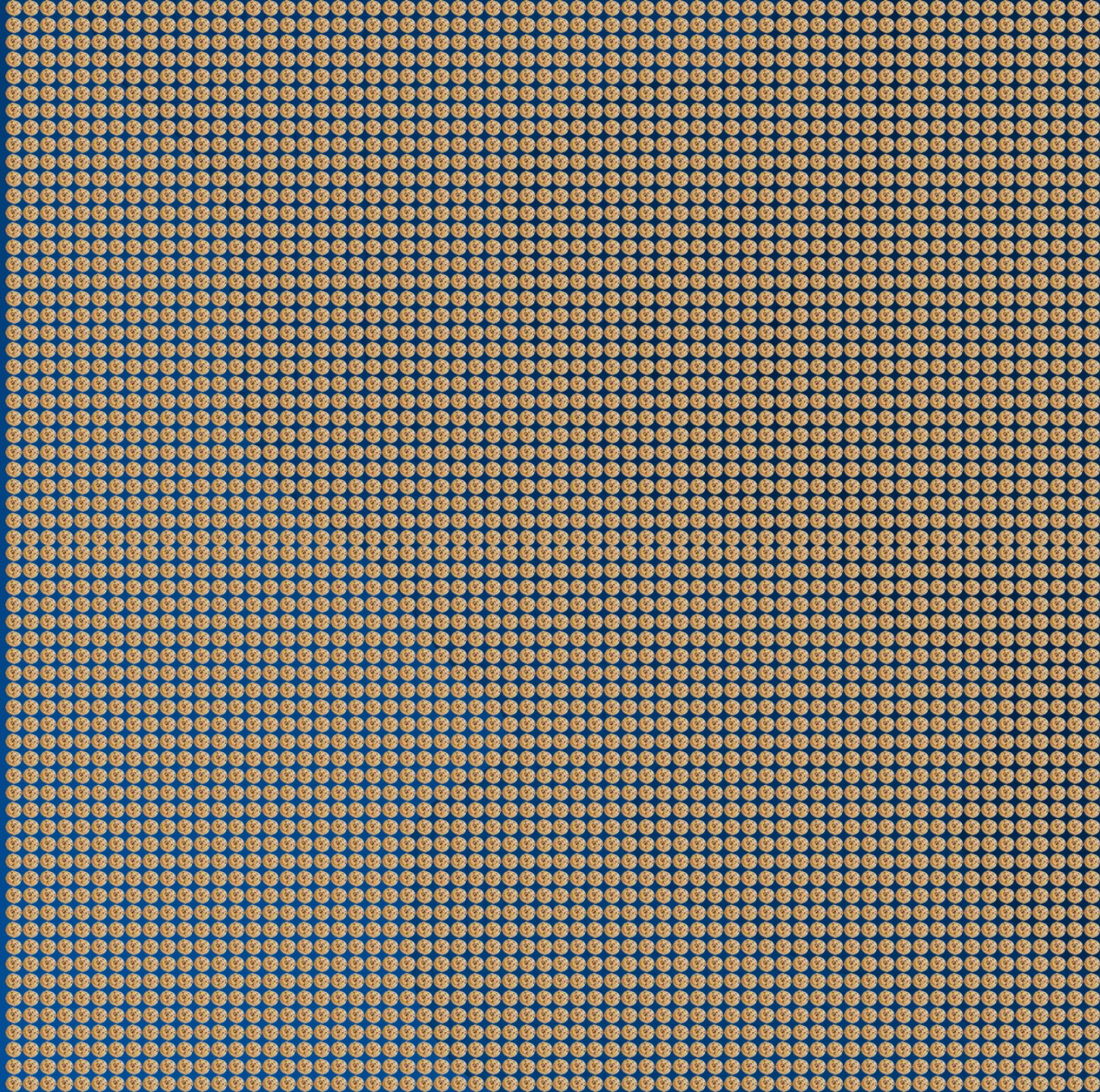












Vector

Baked and tiled images, cached and fetched as users navigate the map

- Point, Line, and Polygon geometry served into the browser as tiles
- Data and Styling Rules are dynamic | Tiles Created IN THE BROWSER
- Rapid and Easier Updates
- Lightweight
- Crisp appearance
- Labels stay Horizontally Oriented





Search vector

[Search examples](#)Filter: All content types All time All regions ☐ Esri-only Content

Sort by: Relevance 86 Results

Esri Basemaps



WEB MAP

Streets

By esri



Open In



WEB MAP

Dark Gray Canvas

By esri



Open In



WEB MAP

Light Gray Canvas

By esri



Open In



MAP IMAGE LAYER

Lichtgrijze Canvas RD

By Esri_NL_Content



Open In



WEB MAP

Imagery Hybrid

By esri



Open In



WEB MAP

Navigation

By esri



Open In



WEB MAP

Topographic

By esri



Open In



WEB MAP

Streets (Night)

By esri



Open In



TILE LAYER

OS Open Raster Tile Layer

By EsriUKContent



Open In



WEB MAP

Human Geography Basemap

By esri



Open In

Copy Esri Basemap Item

↶

↷

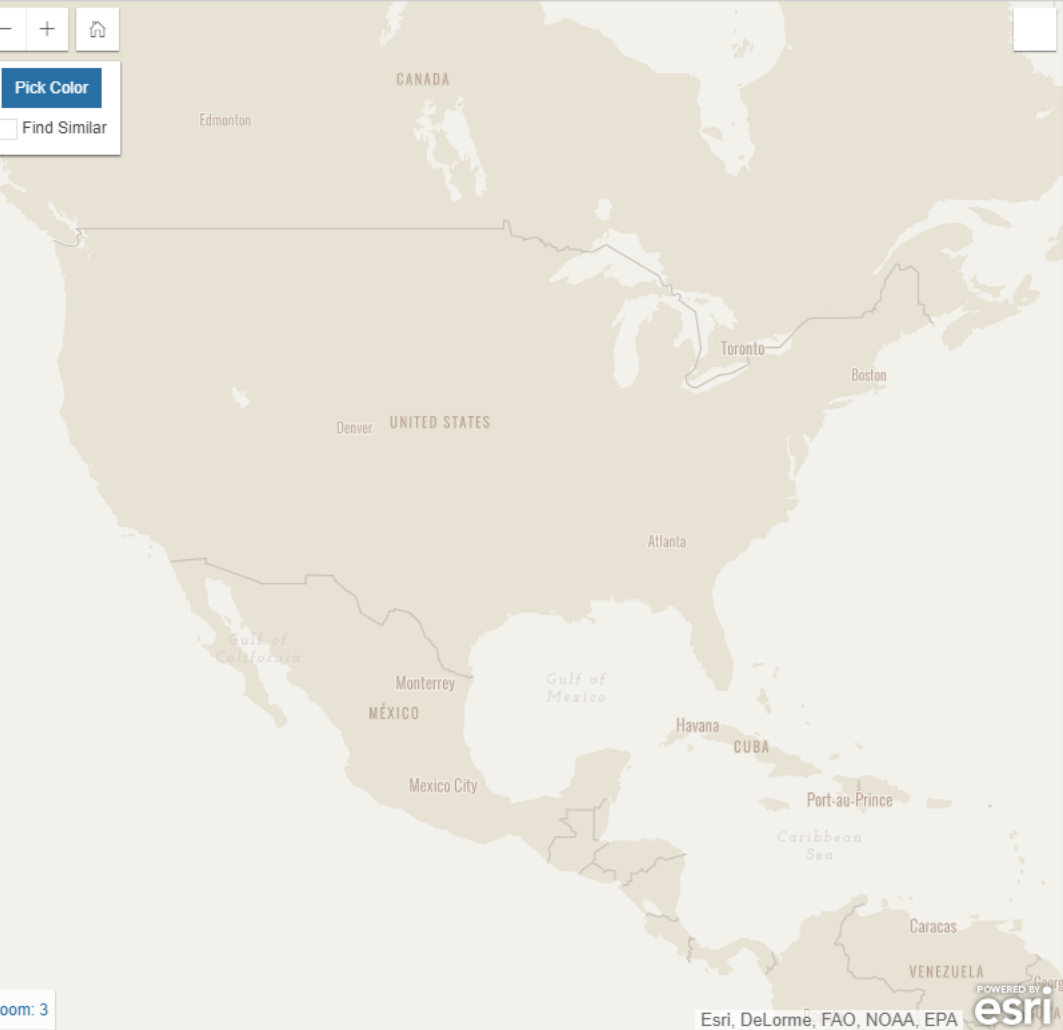
📄 Update Item

Title	Owner	Access
Dark Gray Canvas - Copy	j_nelson	private
Khaki Vector Basemap	j_nelson	public
Mega-Sparse Dark Canvas	j_nelson	public
Mocha Vector Basemap	j_nelson	private
PirateVector	j_nelson	public

− + 🏠

Pick Color

☐ Find Similar



Zoom: 3

Style LayersFind By Color

Current Zoom Level: ☐ Search: source-layer:

source-layer	id	zoom	type	backgroui	fill	fill-outline	line	icon	icon-halo	text	text-halo	circle
✓ Admin0 forest or park	Admin0 forest or park	<div><div></div></div>	fill		#E3E6D5							
✓ Admin0 forest or park/label	Admin0 forest or park/label/Default	<div><div></div></div>	symbol							#8CA18C	#E6EDE6	
✓ Admin0 point	Admin0 point/2x large	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
✓ Admin0 point	Admin0 point/x large	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
✓ Admin0 point	Admin0 point/label	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
✓ Admin0 point	Admin0 point/medium	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
✓ Admin0 point	Admin0 point/small	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
✓ Admin0 point	Admin0 point/x small	<div><div></div></div>	symbol							#A6998C	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/2x large	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/medium	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/x small	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/small	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/x large	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 area/label	Admin1 area/label/label	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
✓ Admin1 forest or park	Admin1 forest or park	<div><div></div></div>	fill		#E3E6D5							
✓ Admin1 forest or park/label	Admin1 forest or park/label/Default	<div><div></div></div>	symbol							#8CA18C	#E6EDE6	
✓ Admin2 area/label	Admin2 area/label/small	<div><div></div></div>	symbol							#9C9C9C	#F3F1EB	
✓ Admin2 area/label	Admin2 area/label/label	<div><div></div></div>	symbol							#9C9C9C	#F3F1EB	
✓ Airport	Airport/Airport property	<div><div></div></div>	fill		#E6E6E6	#E6E6E6						
✓ Airport	Airport/Airport runway	<div><div></div></div>	fill		#E7E2D3							
✓ Airport/label	Airport/label/Airport property	<div><div></div></div>	symbol							#969696	#F3F1EB	
✓ Boundary line	Boundary line/Disputed admin0	<div><div></div></div>	line				#C8C8C8					
✓ Boundary line	Boundary line/Admin0/1	<div><div></div></div>	line				#C6C0B7					
✓ Boundary line	Boundary line/Disputed admin1	<div><div></div></div>	line				#C8C8C8					
✓ Boundary line	Boundary line/Admin1/1	<div><div></div></div>	line				#DBDBDB					
✓ Boundary line	Boundary line/Admin1/0	<div><div></div></div>	line				#B9B9B9					
✓ Boundary line	Boundary line/Admin0/0	<div><div></div></div>	line				AAAAAA					
✓ Boundary line	Boundary line/Admin2/1	<div><div></div></div>	line				#E6E6E6					

Copy Esri Basemap Item

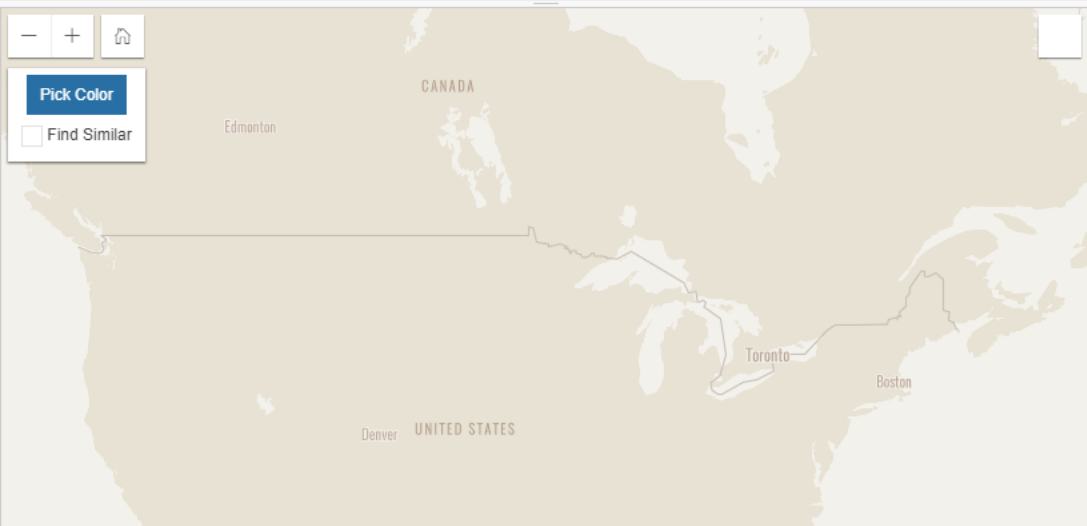
↶ ↷ 📄 Update Item

Title	Owner	Access
Dark Gray Canvas - Copy	j_nelson	private
Khaki Vector Basemap	j_nelson	public
Mega-Sparse Dark Canvas	j_nelson	public
Mocha Vector Basemap	j_nelson	private
PirateVector	j_nelson	public

− + 🏠

Pick Color

☐ Find Similar



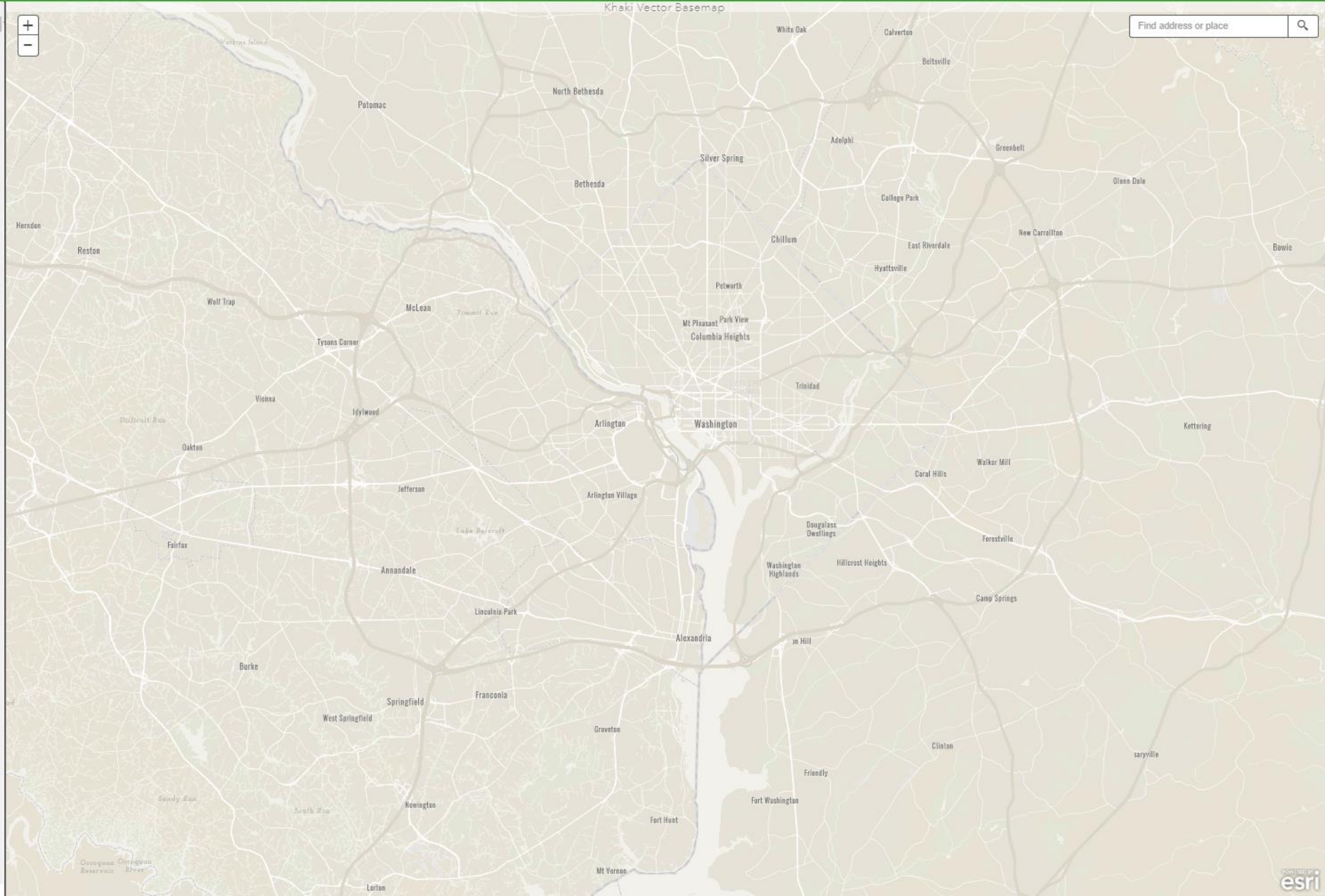
Style Layers Find By Color

Current Zoom Level: ☐ Search: source-layer:

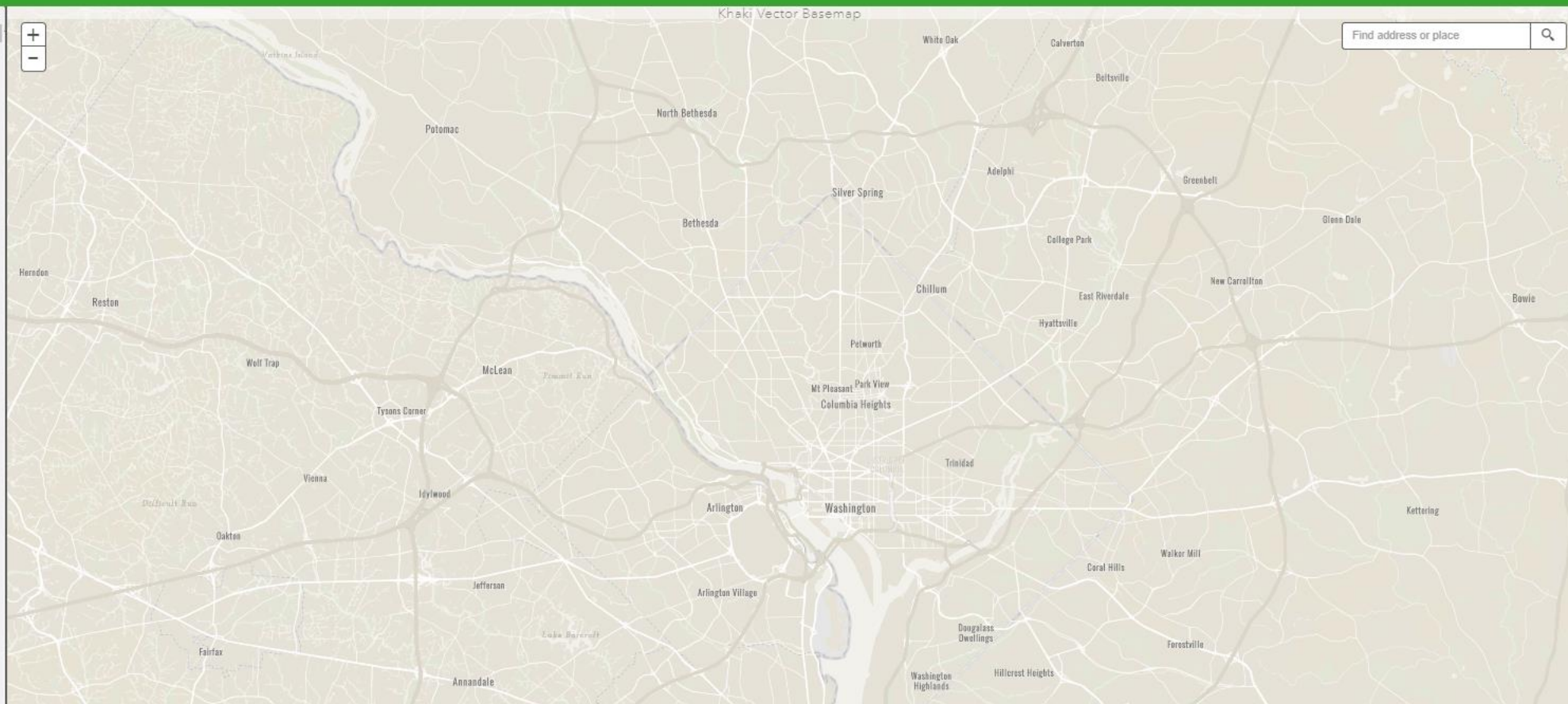
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<input checked="" type="checkbox"/> Admin0 forest or park	Admin0 forest or park	<div><div></div></div>	fill		#E3E6D5							
<input checked="" type="checkbox"/> Admin0 forest or park/label	Admin0 forest or park/label/Default	<div><div></div></div>	symbol							#8CA18C	#E6EDE6	
<input checked="" type="checkbox"/> Admin0 point	Admin0 point/2x large	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
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<input checked="" type="checkbox"/> Admin0 point	Admin0 point/large	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
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<input checked="" type="checkbox"/> Admin0 point	Admin0 point/small	<div><div></div></div>	symbol							#A6856F	#E7E2D3	
<input checked="" type="checkbox"/> Admin0 point	Admin0 point/x small	<div><div></div></div>	symbol							#A6998C	#F3F1EB	
<input checked="" type="checkbox"/> Admin1 area/label	Admin1 area/label/2x large	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
<input checked="" type="checkbox"/> Admin1 area/label	Admin1 area/label/medium	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
<input checked="" type="checkbox"/> Admin1 area/label	Admin1 area/label/x small	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
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<input checked="" type="checkbox"/> Admin1 area/label	Admin1 area/label/large	<div><div></div></div>	symbol							#C6C0B7	#F3F1EB	
<input checked="" type="checkbox"/> Admin1 forest or park	Admin1 forest or park	<div><div></div></div>	fill		#E3E6D5							
<input checked="" type="checkbox"/> Admin1 forest or park/label	Admin1 forest or park/label/Default	<div><div></div></div>	symbol							#8CA18C	#E6EDE6	

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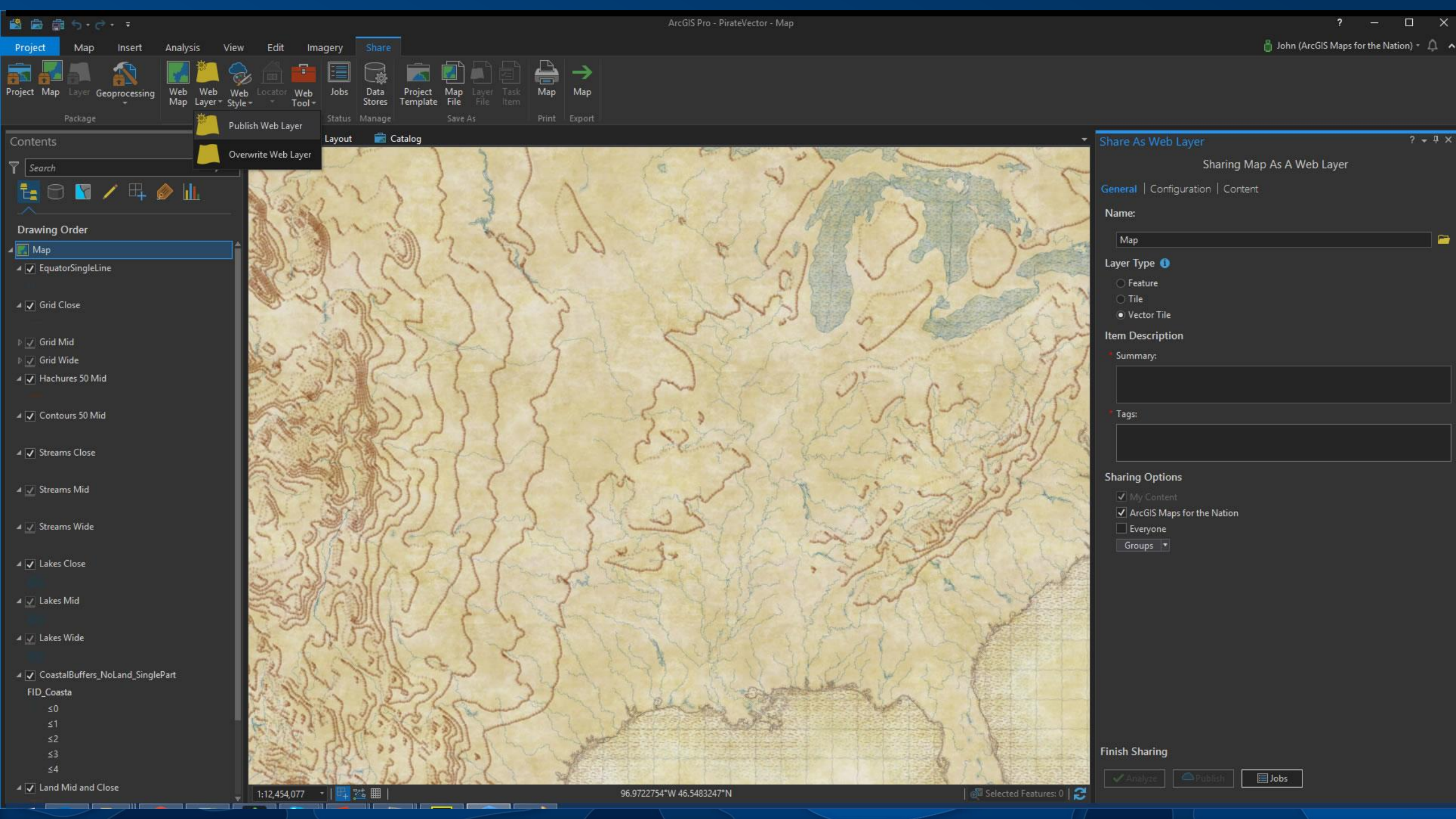

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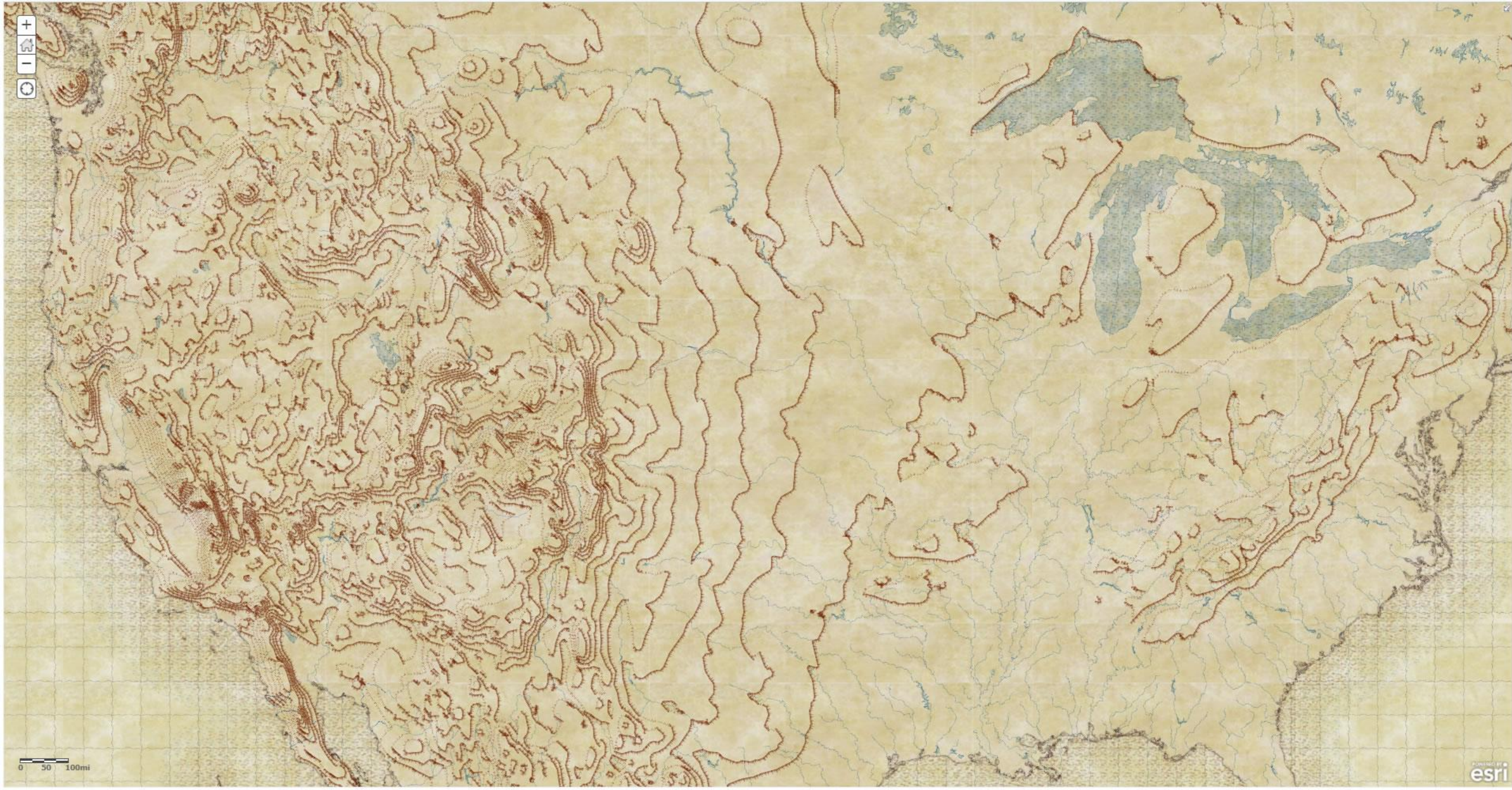


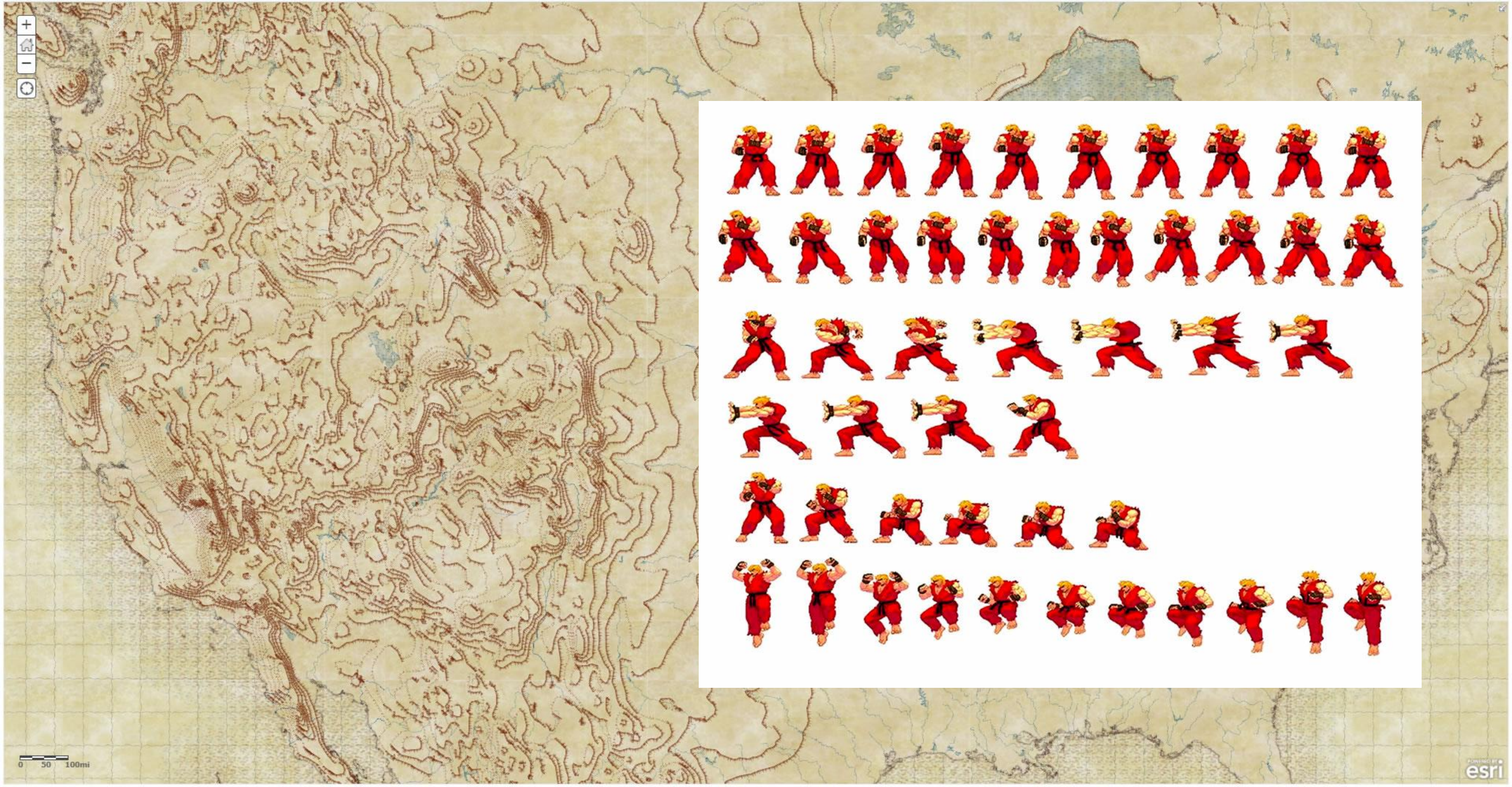
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43    },
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45 }
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[@john_m_nelson](#)

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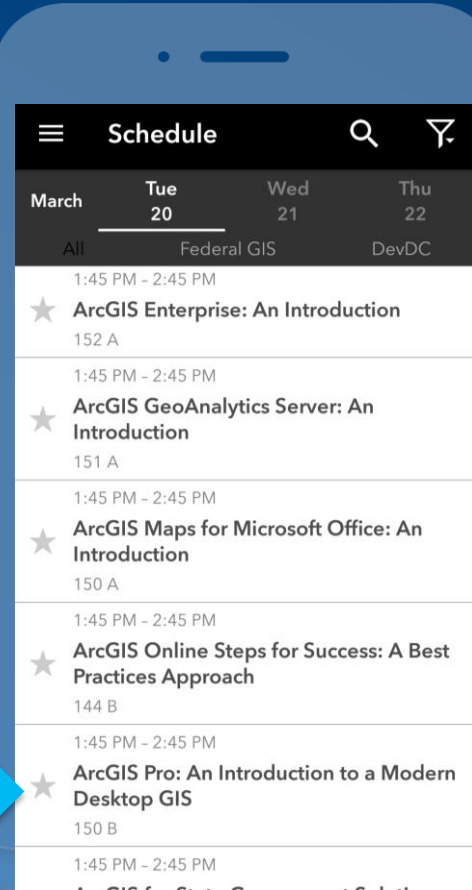


Please Take Our Survey in the Esri Events App

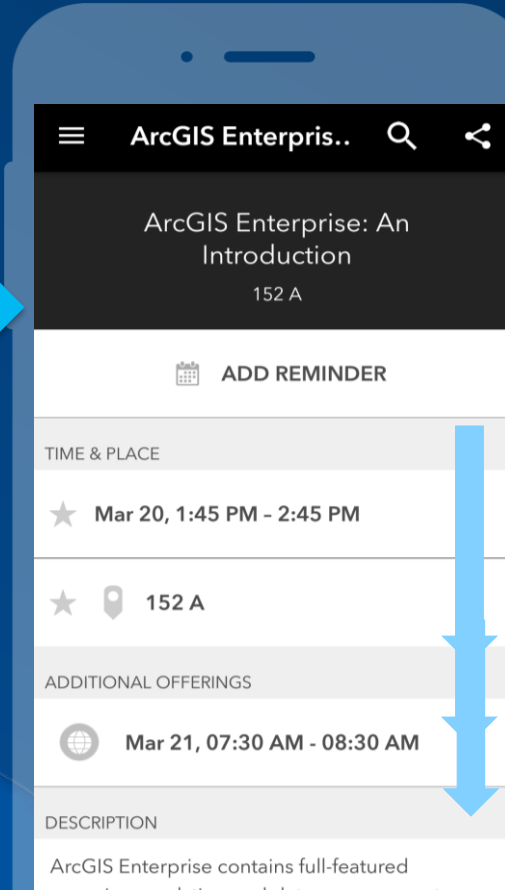
Download the Esri Events app and find your event



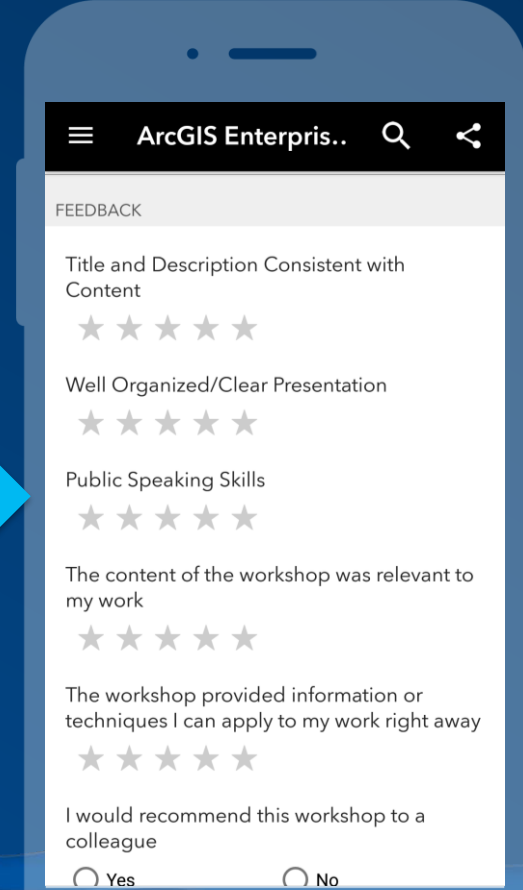
Select the session you attended



Scroll down to find the feedback section



Complete answers and select "Submit"





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