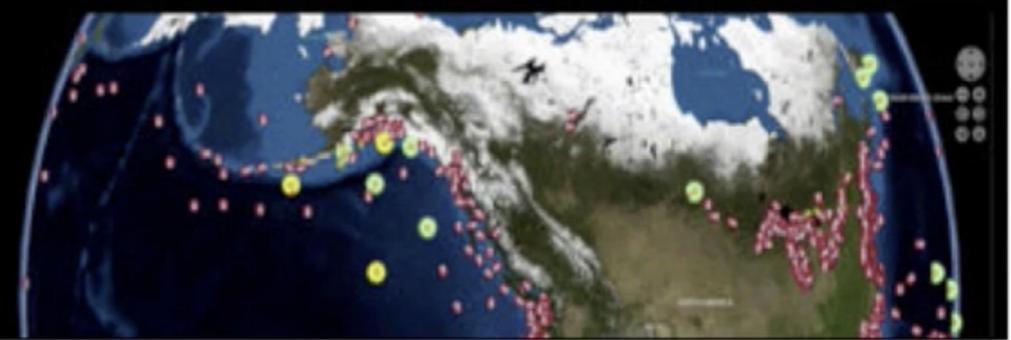


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USGS-NASA Data Visualization

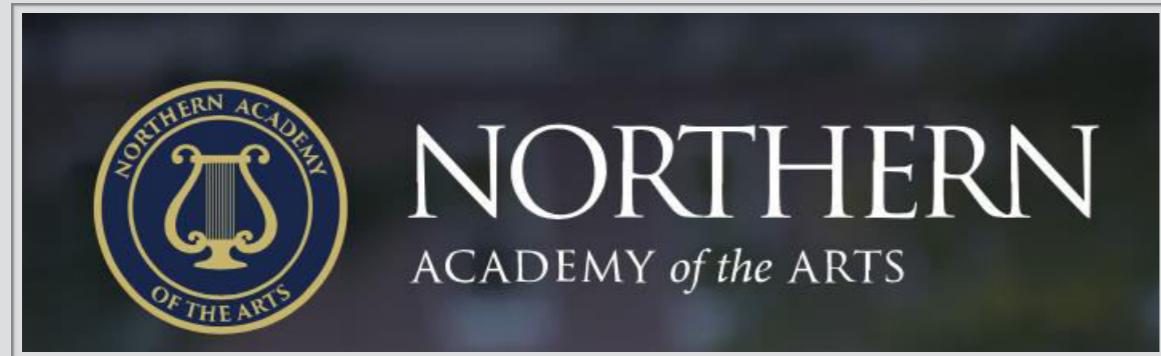


A World Bridge® Project
World Challenge Finland 2018

A World Bridge® - Team and Partners

A Collaboration with Fei Tian College, Northern Academy and Trillium learning's A World Bridge® program

Utilization of the NASA WorldWind SDK, and partnered with USGS



Home Page

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🏡 USGS Data Visualization - Homepage

[« Go to MapService Viewer](#)

[Go to US Wind Turbines Viewer »](#)

[« Login](#)

or

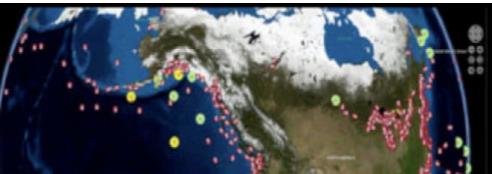
[Sign Up »](#)

Graphic User Interface

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USGS Data Visualization - MapService Viewer

[Go back to Homepage >>](#)

Select Location:
NOTE: Default is set to ALL LAYERS. Select the continent, country, and state/city.

All Layers

All Layers

All Layers

Layer Menu*:
NOTE: Please wait a few minutes as it will take some time to download. Selecting a layer will direct the globe to its location.

Small_Scale +

OtherFeaturedData +

ThemeOverlays +

BaseMap +

NaturalHazards +

CustomLayers_Energy +

*TBD stands for "To Be Developed"



Eye 10,000 km

bing

WMS Layers



Total 278 layers

USGS Layers

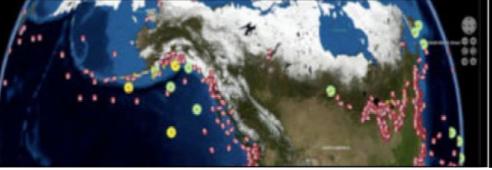
Custom Layer

Geospatial Layer Manager

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USGS Data Visualization - MapService Viewer

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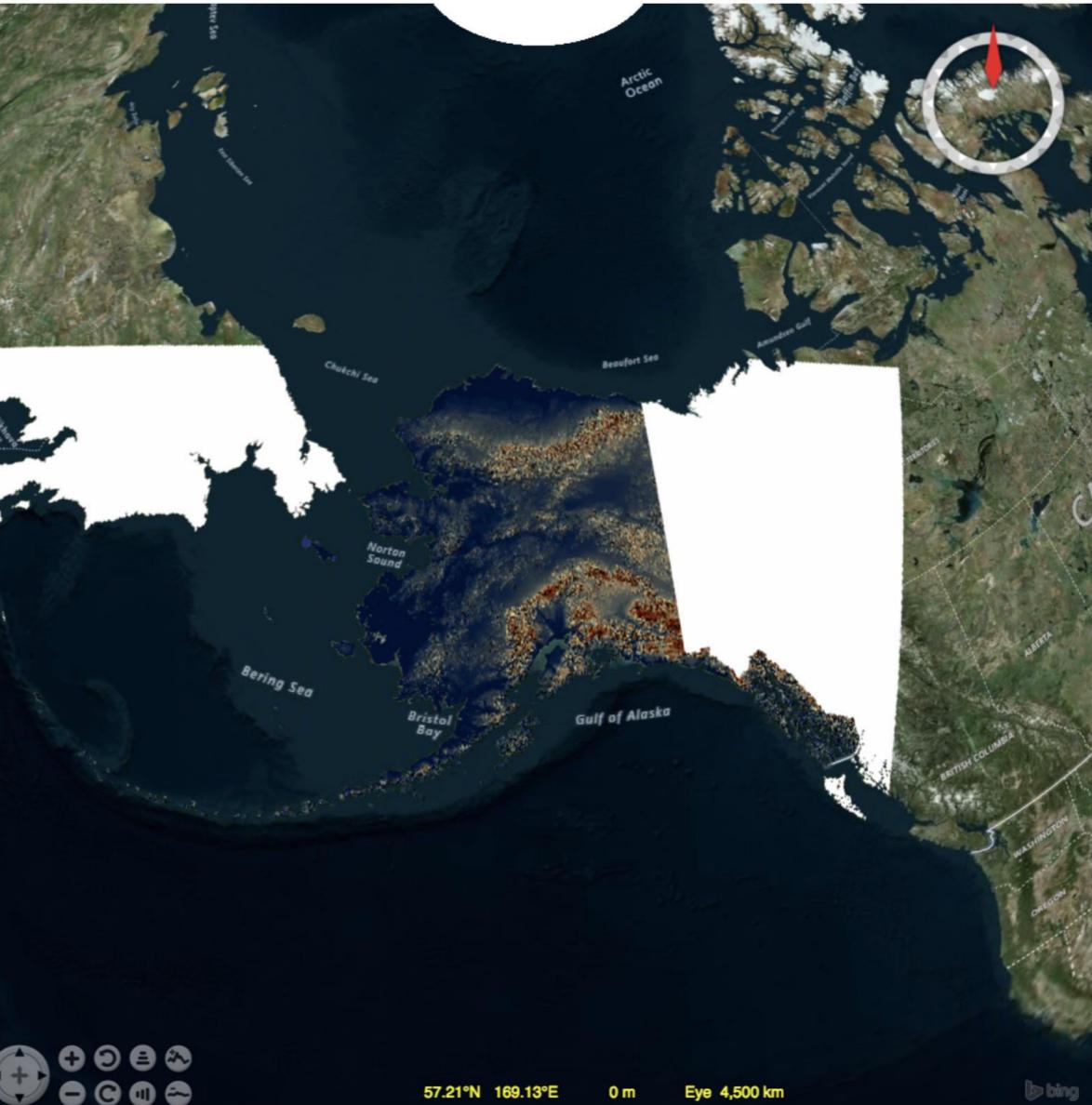
Select Location:
NOTE: Default is set to ALL LAYERS. Select the continent, country, and state/city.

- North America
- United States of America
- Alaska

Layer Menu:
NOTE: Selecting a layer will direct the globe to its location.

Small_Scale -

- ColorShadedRelief -
 CSR_Russia-Alaska
- ColorSlicedElevation +
- Elevation +
- GrayShadedRelief +
- ImperviousSurface +
- LandCover +
- NaturalEarth +
- SatelliteViewShadedRelief +
- TreeCanopy +



57.21°N 169.13°E 0 m Eye 4,500 km

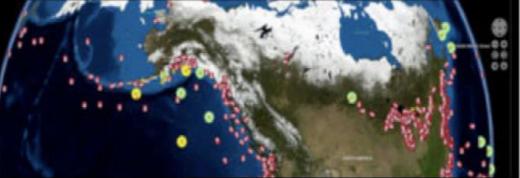
bing

Visualization MapService Viewer

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USGS Data Visualization - MapService Viewer

[Go back to Homepage >>](#)

Select Location:
NOTE: Default is set to ALL LAYERS. Select the continent, country, and state/city.

North America

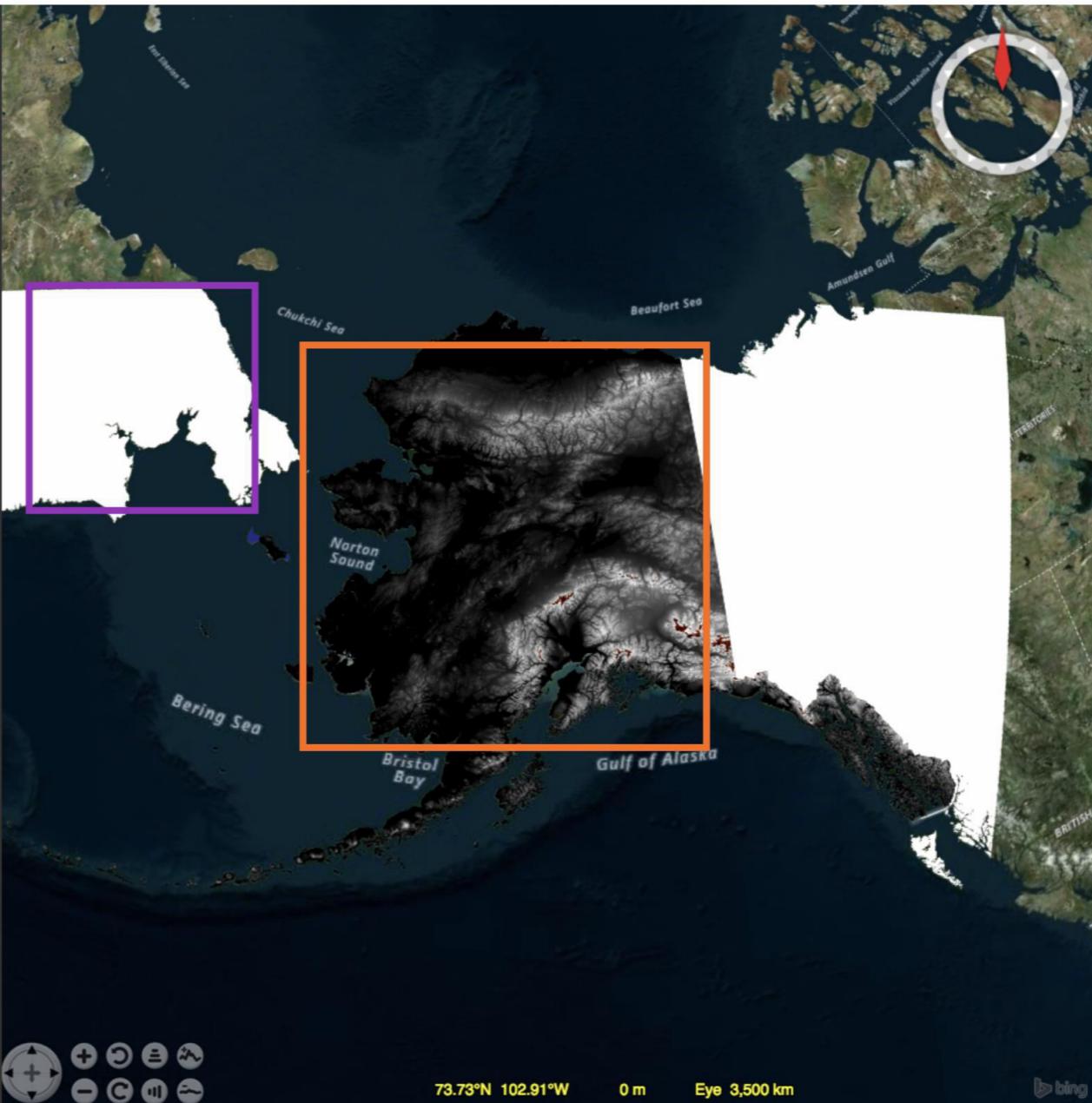
United States of America

Alaska

Layer Menu:
NOTE: Selecting a layer will direct the globe to its location.

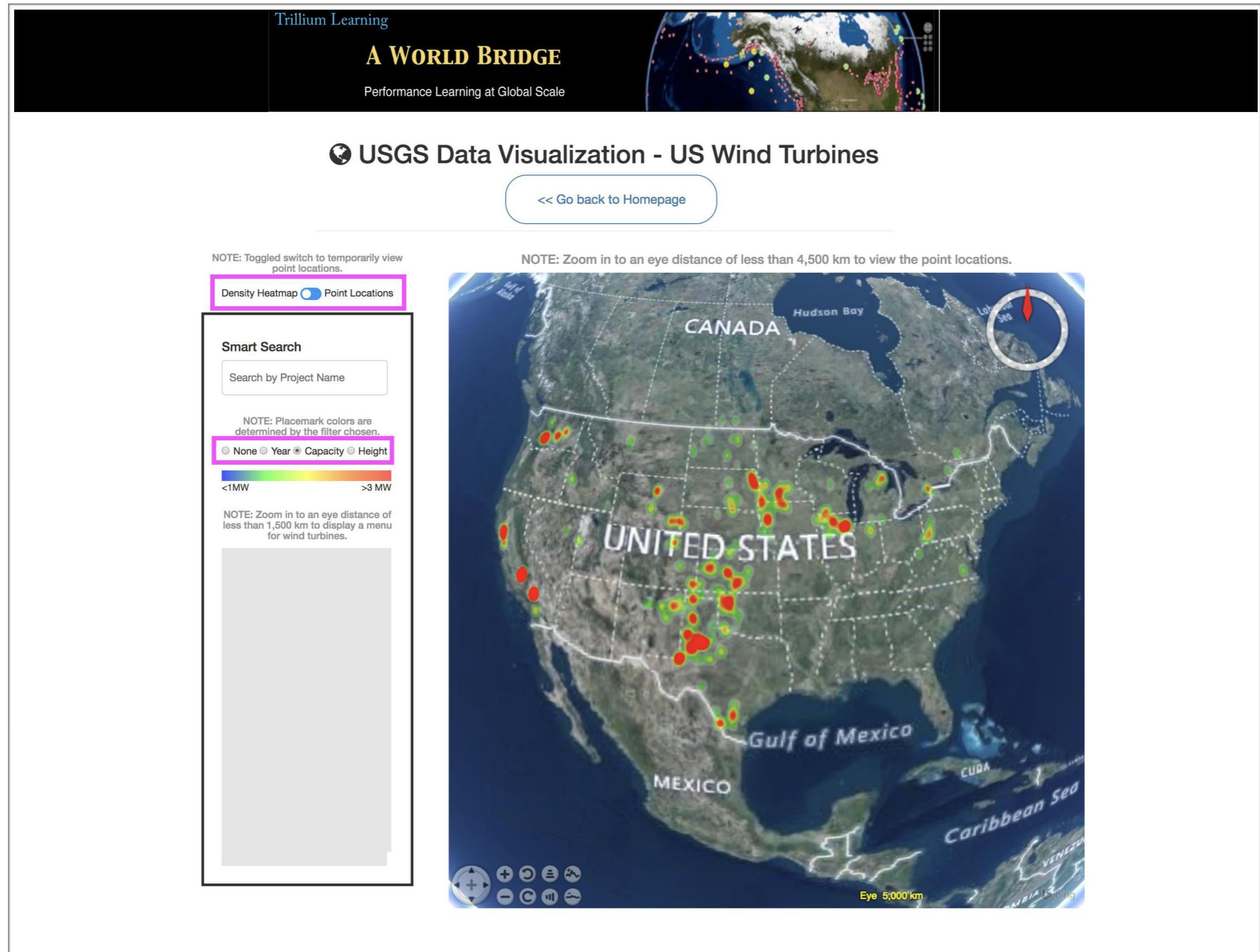
Small_Scale -

- ColorShadedRelief -** (Selected)
- CSR_Russia-Alaska
- Elevation -** (Selected)
- Ele_Alaska
- GrayShadedRelief +
- ImperviousSurface +
- LandCover +
- NaturalEarth +
- SatelliteViewShadedRelief +

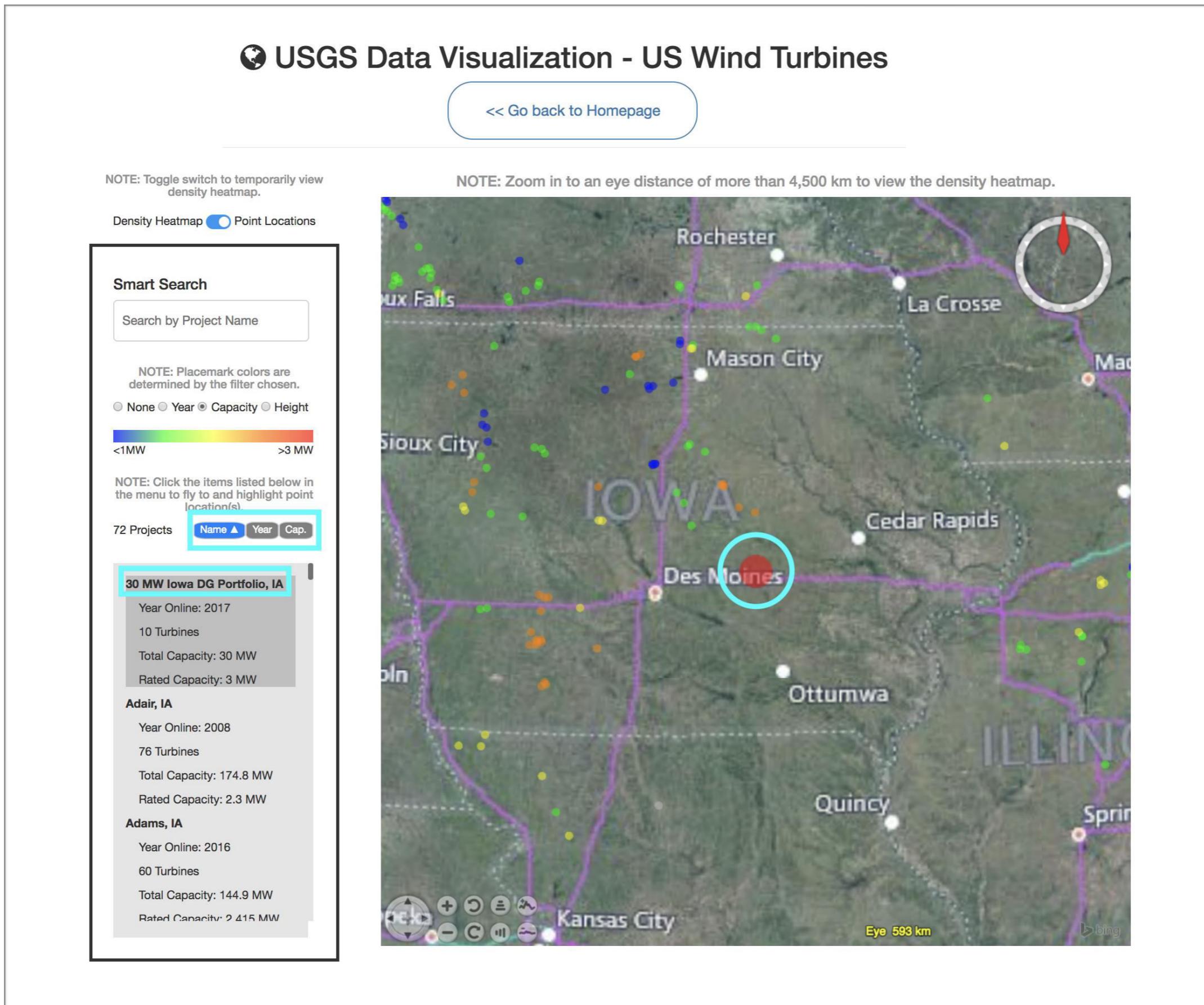


73.73°N 102.91°W 0 m Eye 3,500 km 

Visualization U.S. Wind Turbine Viewer



Continued Visualization U.S. Wind Turbine Viewer



Continued Visualization U.S. Wind Turbine Viewer

Smart Search

Brady Wind II

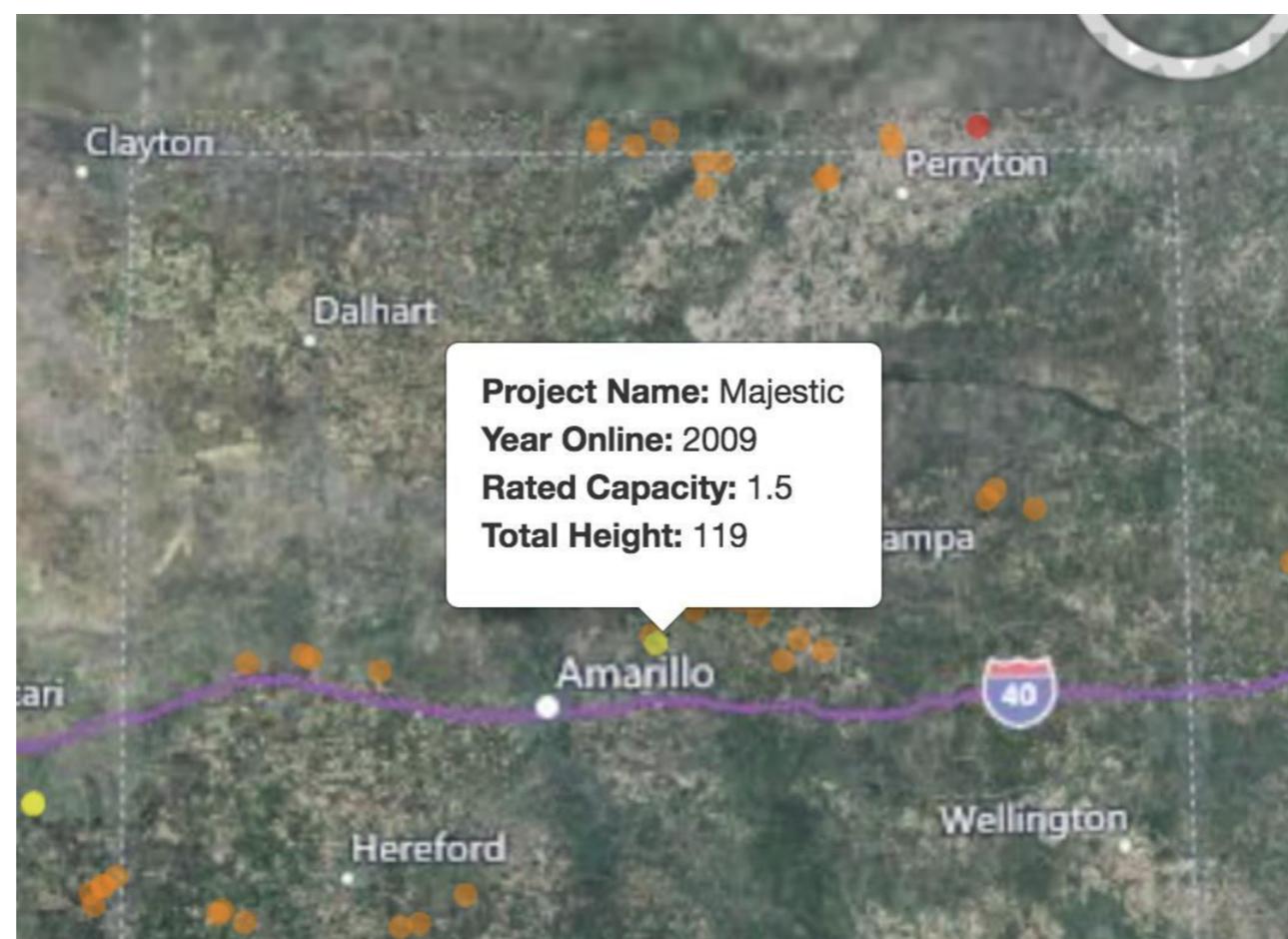
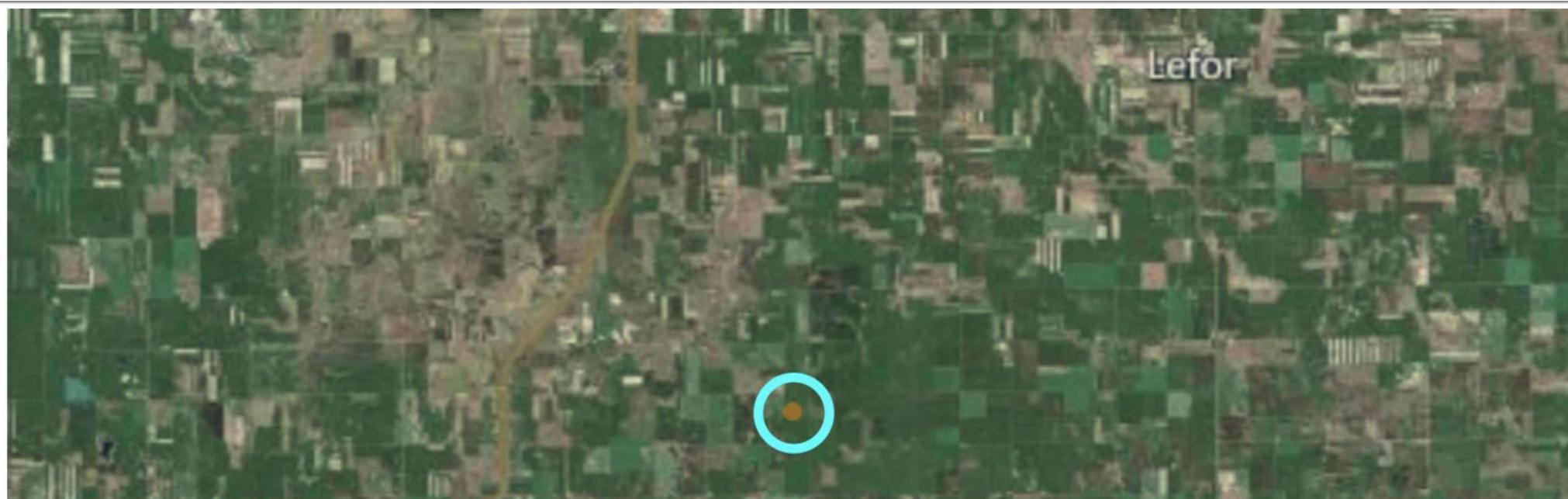


Arbuckle Mountain

Year Online: 2015

Rated Capacity: 2

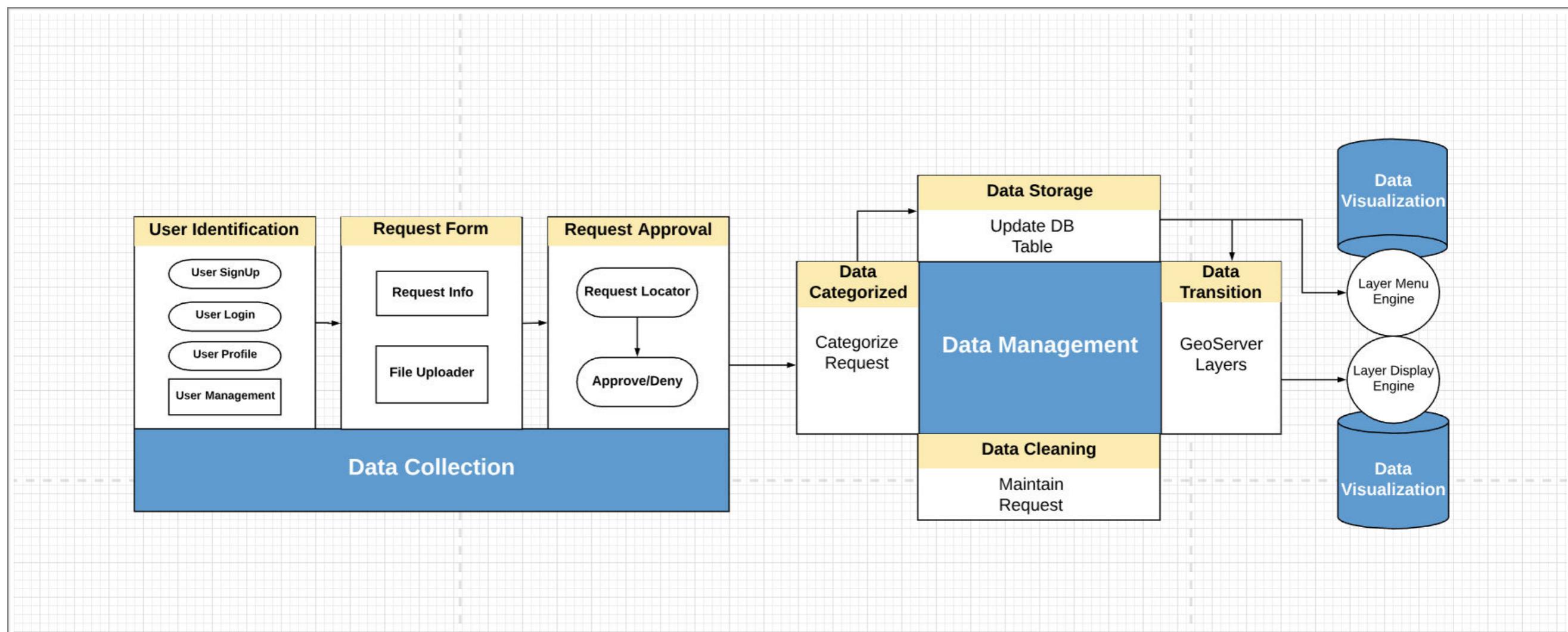
Barton Chapel



Visualization Custom Layer



Data Flow



User Home Features

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Home Page New Request Restore Approved Requests

Amy ▾

USGS Data Visualization - User Home

Account Name: amyy306@gmail.com

Date Range:

From:

To:

User Name:

First Name:

Last Name:

Most Recent Records:

Show entries

Search:

Date	UID	RID	Layer Type	Layer Continent	Layer Country	Layer State	Main Category	Other Main Category	Sub Category
No data available in table									
Date	UID	RID	Layer Type	Layer Continent	Layer Country	Layer State	Main Category	Other Main Category	Sub Category

Showing 0 to 0 of 0 entries

Previous Next

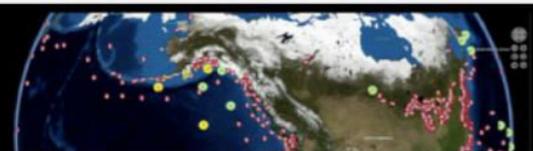
Filter

New Request

Trillium Learning

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Home Page

New Request

Restore

Approved Request

Trillium Learning

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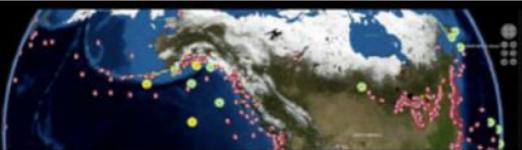


LAYER REQUEST FORM

Layer Information

Date	<input type="text"/> 2018-07-26
Request ID	<input type="text"/> 2018-07-26_0002
User ID	<input type="text"/> amyy306@gmail.com
Main-Category	<input type="text"/> SELECT MAIN CATEGORY
Sub-Category	<input type="text"/> SELECT SUBCATEGORY
Layer Name	<input type="text"/> Layer Name <small>Please enter the Layer Name, and there is no space allowed.</small>
Layer Continent	<input type="text"/> SELECT CONTINENT
Layer Country	<input type="text"/> SELECT COUNTRY
Layer State	<input type="text"/> State Name
Layer Description	<input type="text"/> <small>Please include image resolution, drone altitude, date created and other conditions.</small>

Restore



Home Page

New Request

Restore

Approved Request

Restore

👤 Account Name: amyy306@gmail.com

Current Deleted Rows:

[Restore](#)

Please select the rows you would like to recover.

Scouting:

Show [10](#) entries

Search:

UID	RID	Layer Type	Layer State	Layer Country	Layer Continent	Main Category	Sub Category	Layer Name	Layer Description	Layer Uploader	Layer Uploader Name	Status
No data available in table												
UID	RID	Layer Type	Layer State	Layer Country	Layer Continent	Main Category	Sub Category	Layer Name	Layer Description	Layer Uploader	Layer Uploader Name	Status

Showing 0 to 0 of 0 entries

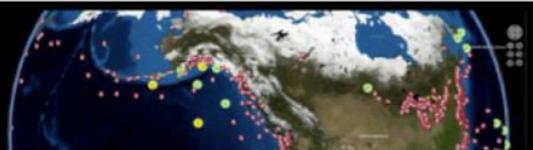
[Previous](#) [Next](#)

Approved Requests

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Home Page

New Request

Restore

Approved Request

Approved Request

👤 Account Name: amyy306@gmail.com

Date Range:

From: Select Date

To: Select Date

User Name:

First Name:

Last Name:

Other Customized Filters

Category1:

Content:

Category2:

Content:

Category3:

Content:

Most Recent Records:

Scouting:

Show entries

Search:

UID	RID	Layer Type	Layer State	Layer Country	Layer Continent	Main Category	Sub Category	Lay
amy.yin@g.feitianacademy.org	2018-07-12_0010		New York,USA	North America		Energy	Energy_Budgets	
amy.yin@g.feitianacademy.org	2018-07-12_0010		New York,USA	North America		Energy	Energy_Budgets	
huaqi.zhang@g.feitianacademy.org	2018-07-12_0024	gger	gvre	vgre		Water	Water_Grids	
huaqi.zhang@g.feitianacademy.org	2018-07-12_0025	gbr	bgrt	g		Agriculture	Soil_Testing	

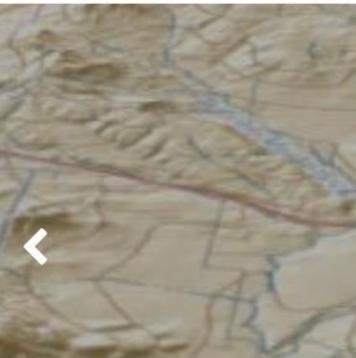
Educational Outreach

USGS
science for a changing world

SCIENCE Topics, centers, missions
PRODUCTS Maps, data, publications
NEWS Releases, I'm a reporter
CONNECT Contact, chat, social media
ABOUT Organization, jobs, budget

Search

Maps



DATA AND TOOLS
Data and Tools Topics
Real-time Data
APIs
Science Data Catalog
Science Datasets
Data Management
Data Management Tools
GIS Data

MAPS
Map Topics
Topographic Maps
Geologic Maps
GIS Data
The National Map
USGS Store

PUBLICATIONS
USGS Publications
Geologic Maps

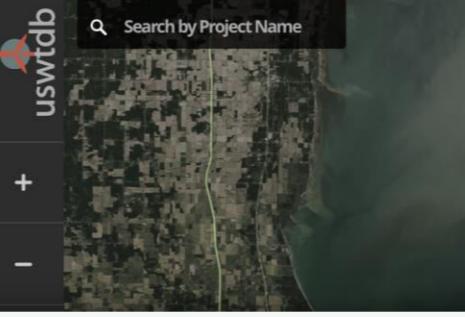
SOFTWARE
Multimedia Gallery
Images
Videos
Audio
Webcams

USGS LIBRARY

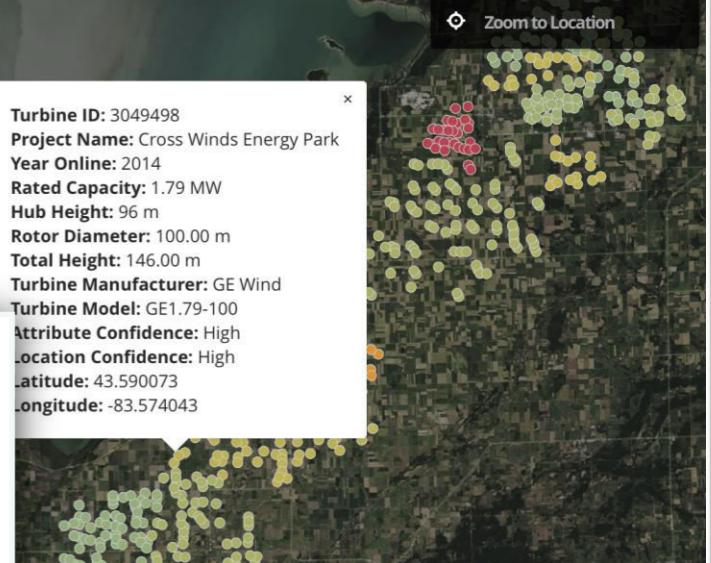
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Submit Layer Request >

uswtb **Search by Project Name**



Turbine ID: 3049498
Project Name: Cross Winds Energy Park
Year Online: 2014
Rated Capacity: 1.79 MW
Hub Height: 96 m
Rotor Diameter: 100.00 m
Total Height: 146.00 m
Turbine Manufacturer: GE Wind
Turbine Model: GE1.79-100
Attribute Confidence: High
Location Confidence: High
Latitude: 43.590073
Longitude: -83.574043



Please Select Here First

All Layer

All Layer

All Layer

Menu



Eye 0.013 km