

Tools for Discovery, Outreach and Collaboration

Gary Latzke

Missouri River Basin Interagency
Roundtable



Tools for Discovery, Outreach and Collaboration

Data Discovery

Science in the Great Lakes application

<https://sigl.wim.usgs.gov/sigl/>



Science in the Great Lakes



SCIENCE IN THE GREAT LAKES - SIGL

[Open Application](#)

The Science in the Great Lakes (SIGL) Mapper is a map-based discovery tool that spatially displays basin-wide multi-disciplinary monitoring and research activities conducted by both USGS and partners from all five Great Lakes. It was designed to help Great Lakes researchers and managers strategically plan, implement, and analyze monitoring and restoration activities by providing easy access to historical and on-going project metadata while allowing them to identify gaps (spatially and topically) that have been underrepresented in previous efforts or need further study. SIGL provides a user-friendly and efficient way to explore Great Lakes projects and data through robust search options while also providing a critical spatial perspective through its interactive mapping interface.



Science in the Great Lakes

Project Entry

USGS science for a changing world

SiGL: Data Management System (DMS)

Welcome, [Taina Hooten](#) [LOG OFF](#)

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Project

Project Information

Organizations

Data Sources

Contacts

Publications

Sites

PROJECT INFORMATION

Project Name: *

Project Duration: ? *

Project Status: ? *

Project Start Date:

Project Completion Date: ?

Project Objectives: ?

Description: ?

Add Project Keyword: ?

Project published on SiGL Mapper?

Tools for Discovery, Outreach and Collaboration



Outreach

EOF Story Map

<http://wim.usgs.gov/geonarrative/glri-eof/>

Tools for Discovery, Outreach and Collaboration

Collaboration

GeoPlatform





What is GeoPlatform.gov?

A concerted effort to share open geospatial data and technology

- Means for our stakeholders to publish their content once and have it accessed from anywhere
- A services platform for providing direct access to the nation's online geospatial resources
 - ❖ Single point of access for finding data assets, services, layers and maps
 - ❖ Provides shared hosting services for our stakeholders
 - ❖ We deal with the tough IT challenges: consistent access, reliability, scalability and performance
- Shared core application services for stakeholder collaboration (e.g., building shared map galleries for a community of interest)

Communities

- A16 NGDA Theme Communities
- NGDA Collaboration Community (NCC) expanded from the Theme Lead Collaboration Community
- Federal Agency Communities:
 - ❖ GeoCONOPS
 - ❖ WWHGD
- In Development:
 - ❖ GIRA
 - ❖ Fisheries
 - ❖ Chesapeake Bay Foundation



A-16 National Geospatial Data Asset (NGDA) Theme Communities



Federal Agency Communities





Web Map Viewer

- Multiple data browse, filter, and sort features
- Dataset preview
- Add user content: Digitize features or Upload .KML, GeoJSON, .CSV, or shapefiles (in .ZIP) to extract features
- Gazetteer and Geolocation support
- Control layer ordering, visibility, opacity
- Save and share maps (Web Map Context)
- Publish composed maps

GeoPlatform Map Viewer

Browse Layers

Search Layers
Search for layers by name

Sort Layers
Name

Layer sources

- AssistedHousing
- BISON
- Cropland Data Layer WMS Ser
- EPA Facilities US, 2012, US E
- ESI
- EnviroAtlas
- FWS Critical Habitat Mapper

Available Layers
Select layers below to view them on the preview map at right.
9293 results 10 per page 1 2 3 4 5

- 10-digit HU WMS, NSDA
- 114th Congressional Districts NSDA, NTAD
- 12-digit HU WMS, NSDA
- 12NM Territorial Sea Maritime Limits and Boundaries of the United States (Version 4.1), marine boundaries, marine jurisdiction
- 2-digit HU WMS, NSDA
- 200NM EEZ and Maritime Boundaries Maritime Limits and Boundaries of the United States (Version 4.1), marine boundaries, marine jurisdiction
- 2012 Image Dates imagery, ncep, aphs, date, NSDA
- 2012 National Anthropogenic Barrier Dataset (NABD) Other
- 2013 Image Dates imagery, ncep, aphs, date, NSDA
- 2014 Image Dates imagery, ncep, aphs, date, NSDA

Layer types

- All Amphibians (Amphibia)
- All Gymnosperms (Gymnospermae)
- All Mammals (Mammalia)
- All Mustards (Brassicaceae)
- All Oaks (Quercus)
- All Reptiles (Reptilia)

Preview Apply selected la

Leaflet | Map data (c) OpenStreetMap contributors
may take several seconds to appear.

Layer Legend

Percent potentially restorable wetlands

- 0
- 1 - 2
- 3 - 7
- 8 - 22
- 23 - 100



Map Manager

- Browse harvested AGOL maps by search filters or organization
- Create map galleries with maps from WMV and AGOL
- Share maps and galleries via email
- Embed map blocks and curated gallery pages into other websites
- Customize gallery page with community and keywords
- Manage gallery pages
- Permissions-based access and use

The screenshot displays the GeoPlatform Map Manager interface. At the top, there are navigation tabs for 'Maps', 'Galleries', 'AGOL', and 'Help', along with a user profile for 'Test Tester'. Below this, three map thumbnails are shown: 'Virginia for the Birds' (WMV), 'Sea Level Rise 3 ft' (AGOL WebMap), and 'Heating and Cooling Degree Days' (AGOL WebMap). A search bar is visible with filters for 'Name', 'Author', and 'Community'. The search results show 18 items, sorted by 'Updated'. Below the search results, there are three gallery cards: 'Ecosystem Map Gallery', 'Climate Change Gallery', and 'Short-Duration Hazards - Warnings'. The 'Short-Duration Hazards - Warnings' gallery is expanded, showing a search for 'hazards' by 'NOAA GeoPlatform' with 45 results. It features three map thumbnails: 'Short-Duration Hazards - Warnings', 'Recent Weather Radar Imagery', and 'Long-Duration Hazards - Watches, Warnings, & Advisories'. Each gallery card includes a description of the map service.



ArcGIS Online Integration

- Harvest maps from ArcGIS online organizations and publish them to the GeoPlatform
- Search and Discover maps by search filters or organization
- Unlimited publishing of data and maps to AGOL*
- Create map galleries with maps from WMV and AGOL


Sign in to **GEOPLATFORM.gov** esri

USING YOUR GEOPLATFORM.GOV ACCOUNT


OR

USING YOUR ARCGIS ACCOUNT


The GeoPlatform enables you to view map layers and a whole lot more. Follow the links below to find useful, authoritative data layers that you can use to make your own mashups, run analysis, and view in 3D. Also, check out the [ArcGIS Online blog](#) for great ideas, tips and tricks and the [ArcGIS Online help](#) for detailed how-tos.



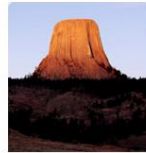
Biota



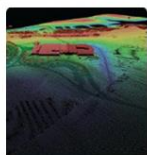
Cadastral



Climate & Weather



Cultural Resources



Elevation

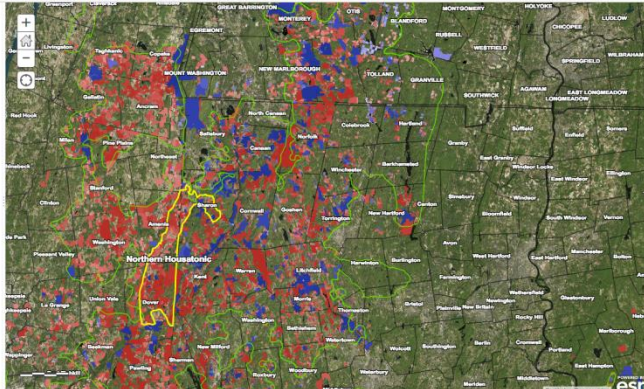
Home ▾ Great Thicket LPP

Details | Basemap | Share | Print | Measure | Bookmarks | Find address or place

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Legend

- NEC_RAFA
- NEC_Focus_Areas
- TNC_Secured_Lands - TNC Ranked Secured Lands
 - 0
 - 0.01
 - 0.02
 - 0.03
 - 0.04
 - 0.05
 - 0.06
 - 0.07
 - 0.08
 - 0.09
 - 0.1
 - 0.11



Esri

Thank you



Gary Latzke
Program Director WiM
gdlatzke@usgs.gov
wim.usgs.gov