



Homeland  
Security

# Geospatial Information Infrastructure (GII)

## NAPSG Webinar Presentation

Prepared by Lewis Summers – DHS Geospatial Management Office

27 May 2014

- Geospatial Management Office (GMO)
  - Background
- GII Overview
  - Data
  - Applications
  - Infrastructure
- GII Capabilities
- GII Access



The screenshot displays the Geospatial Information Infrastructure (GII) website. At the top, there is a navigation bar with links for GALLERY, MAP, GROUPS, and MY CONTENT, along with a search bar containing the text "Find maps, applications and more...". The main header features the U.S. Department of Homeland Security logo and the title "Geospatial Information Infrastructure (GII)", with a subtitle: "The GII provides a platform for shared and trusted geospatial data, services, and applications for use by the Homeland Security community".

The content is organized into several sections:

- Apps & Services:** Includes "OneView" and "Geocoding" (both "Powered by GII"), "HSIP Freedom" (Powered by GII), and "DHS Earth" (Powered by GII, "Coming Soon").
- Coordination Resources:** Includes "GeoConops" and "OGC" (Open Geospatial Consortium).
- Helpful Links:** A sidebar on the right contains "User Guide" (Get help on GII functionality), "How To Videos" (Videos on How to Use the GII), "Create a Map" (Make a map mashup), and "Find Groups" (Discover groups to find content).
- Trending Topics:** A carousel at the bottom shows four featured items: "Fairfax City Power Outages" (with a "POWER OUTAGE" graphic), "Mardi Gras 2014", "Interior Geospatial", and "2014 State of the Union".



# Geospatial Management Office (GMO)

**GMO Established by: Intelligence Reform and Terrorism Prevention Act of 2004 Title VII, Subtitle B, Section 8201, Homeland Security Geospatial Information**

**-Implemented through DHS Management Directive 4030 11/12/2004**

## **The GMO's responsibility include:**

Exercise executive leadership in establishing Department geospatial information and technology programs, directives, initiatives, standards, techniques; and ensuring the security of geospatial data, geographic information systems software and hardware and geospatial applications Department-wide.

## **Structure**

- Reports to the DHS CIO (Management Directorate)
- Internal & external coordination (FGDC, OGC, NIEM, COP ESC, IRSCC, HIFLD)
- Liaisons with S&T, PM-ISE, Policy, and OPO

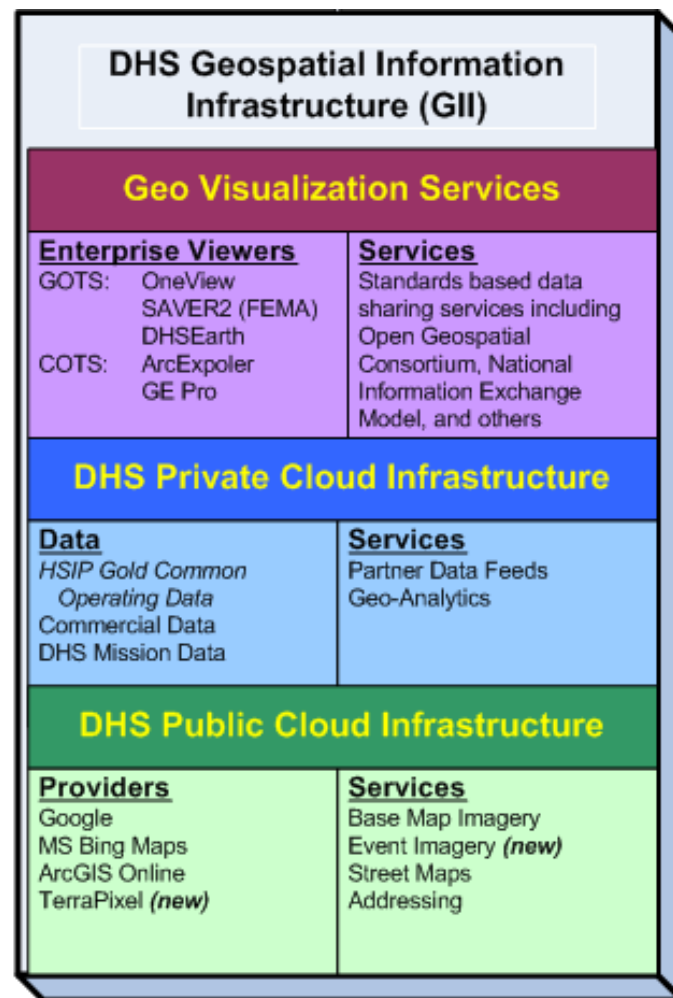


# Geospatial Information Infrastructure (GII) Overview

What is the GII?

Provides a technology platform capable of hosting shared geospatial enterprise applications delivering cost savings through reductions in duplication

- Collection of:
  - Enterprise GeoData
    - Operation Data
    - Foundation Data
  - Application Services
    - Geo Visualization Services
    - Geocoding Services
    - Geo Content Management – Collaboration Services
  - Infrastructure Support in DHS Data Center
    - Infrastructure as a Service/Software as a Service





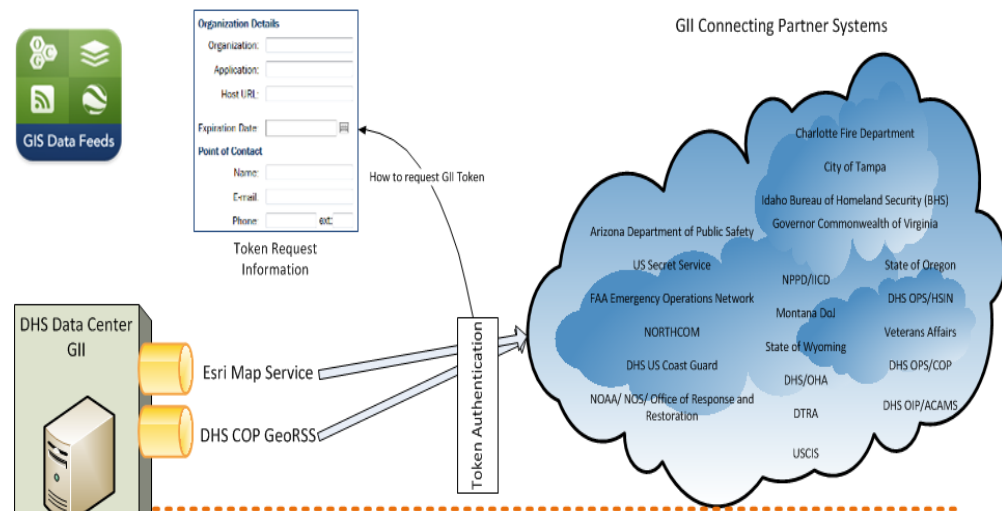
## Available GII Geospatial Data

### Operational

- Special Event Assessment Rating (SEAR)
- Overseas Personnel Activity Locator (OPAL)
- DHS COP Incidents
- National Biosurveillance Integration Center (NBIC) Incident Feed
- FEMA Integrated Public Alert & Warning System (IPAWS)
- Trafficland Camera
- Remote Sensing/Imagery
- NSSE/Ad Hoc (Super Bowl, Joplin Tornado, etc)

### Foundational

- HSIP Gold and Freedom
- DHS Facilities
- Training Facilities



# Geospatial Resources Community (GIS COI)



Homeland Security

HSIN Homeland Security Information Network

Site Actions | Hsin Central | My Hsin | Memberships | Lewis L. Summers

## Geospatial Resources Community

GIS

Search this site...

### Validation Tasks




#### Bulk Validation Queue

HSIN > GIS

The Geospatial Resources Community (GRC) is a common resource available to all Hsin users.

It is intended to link users to geospatial capabilities available in support of the Homeland Security Enterprise. This includes access to the suite of geospatial applications, data, content, and tools delivered through the Geospatial Information Infrastructure (GII) platform. The GRC is administered by the Geospatial Management Office on behalf of the Homeland Security Enterprise.

Links to the most commonly used applications and content are listed below.



### Announcements

### Documents

Type	Name	Modified	Checked Out To
	<a href="#">2013 HSIP Freedom Data List</a>	4/29/2014 10:40 AM	
	<a href="#">2013 HSIP Gold Data List</a>	4/29/2014 10:41 AM	
	<a href="#">April 2014 DHS GWG briefing</a>	4/29/2014 10:37 AM	
	<a href="#">GeoPackage_2014-3-17_slides DHS</a>	4/29/2014 10:37 AM	
	<a href="#">HIFLD_WG_Jan2014_MeetingAnnouncement_Final</a>	4/25/2014 1:15 PM	
	<a href="#">HIFLD_WG_Nov2013_MeetingAnnouncement_Logistics10-21</a>	11/7/2013 11:56 AM	
	<a href="#">HIFLD_WG_Sep2013_MeetingAnnouncement_Jul31</a>	9/3/2013 1:19 PM	
	<a href="#">HSIP Gold 2013 Data Use Agreement (DUA)</a>	5/14/2014 11:46 AM	
	<a href="#">HSIP Gold 2013 Frequently Asked Question (FAQ)</a>	5/14/2014 11:48 AM	
	<a href="#">HSIP Gold 2013 Release Notes</a>	5/14/2014 11:48 AM	
	<a href="#">HSIP Gold Freedom One Pager_2013</a>	5/14/2014 11:48 AM	
	<a href="#">HSIP_Freedom_2013_Frequently_Asked_Questions_(FAQ)</a>	5/14/2014 11:48 AM	
	<a href="#">HSIP_Freedom_2013_Release_Notes</a>	5/14/2014 11:49 AM	
	<a href="#">HSIP-Gold-Freedom-One-Pager-2013_0</a>	5/14/2014 11:47 AM	
	<a href="#">NovHIFLD_DraftAgenda_11-4</a>	11/7/2013 11:56 AM	
	<a href="#">SepHIFLD_DraftAgenda_Aug7</a>	8/16/2013 3:51 PM	

+ Add document

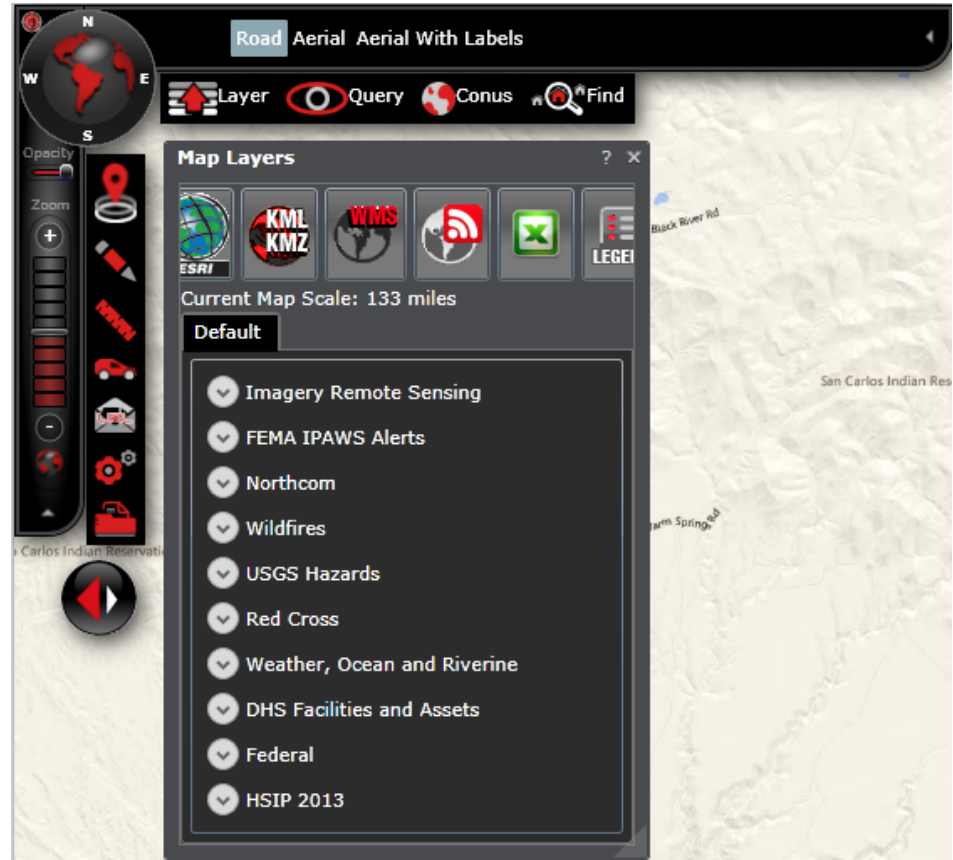
- <https://hsin.dhs.gov/fed/GIS>
- HSIN Geospatial Resources Community (GIS COI)
- HSIP Gold and Freedom Documentation
  - 2013 HSIP Gold and Freedom Data List



# Partner Geospatial Data Feeds

## Partner Feeds

- NORTHCOM
  - Force Tracts
- USGS
  - Hazards
- National Interagency Fire Center (NIFC)
  - Wildfires
- Red Cross
  - National Shelter System (NSS)
- NOAA
  - NowCOAST Watches Warnings and Advisories
- FEMA
  - Flood Boundaries

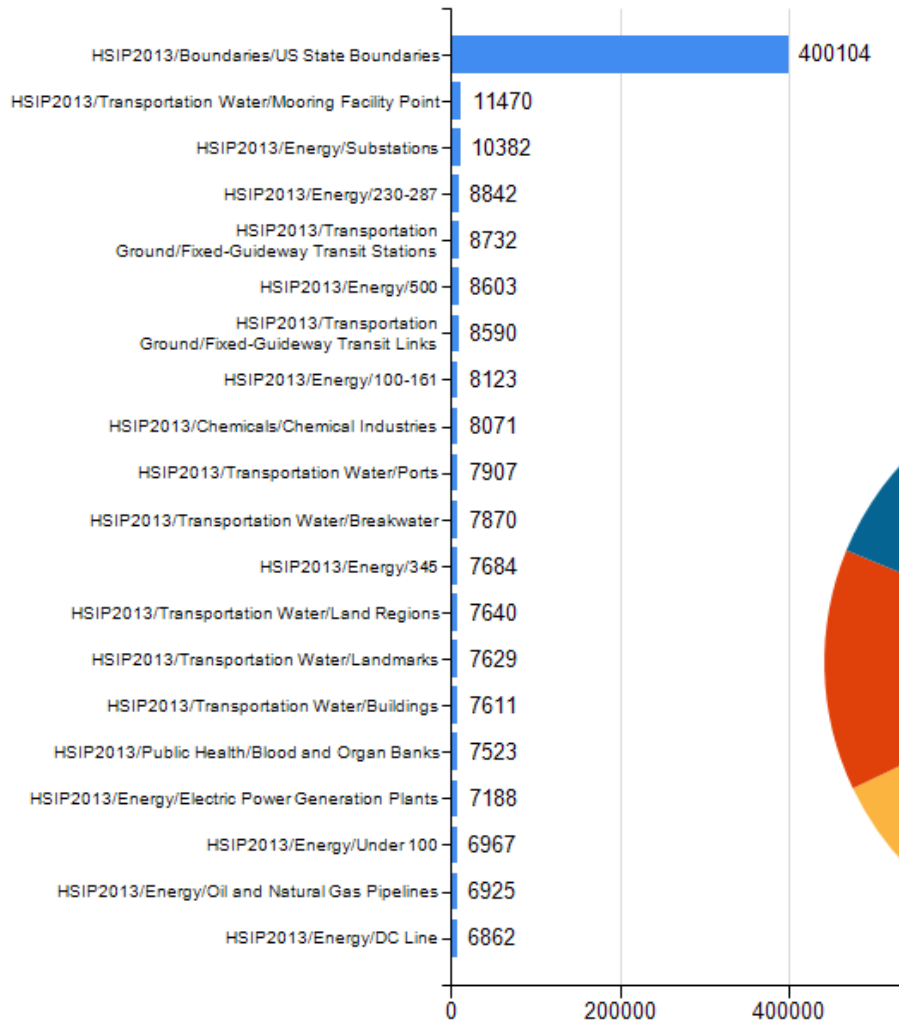




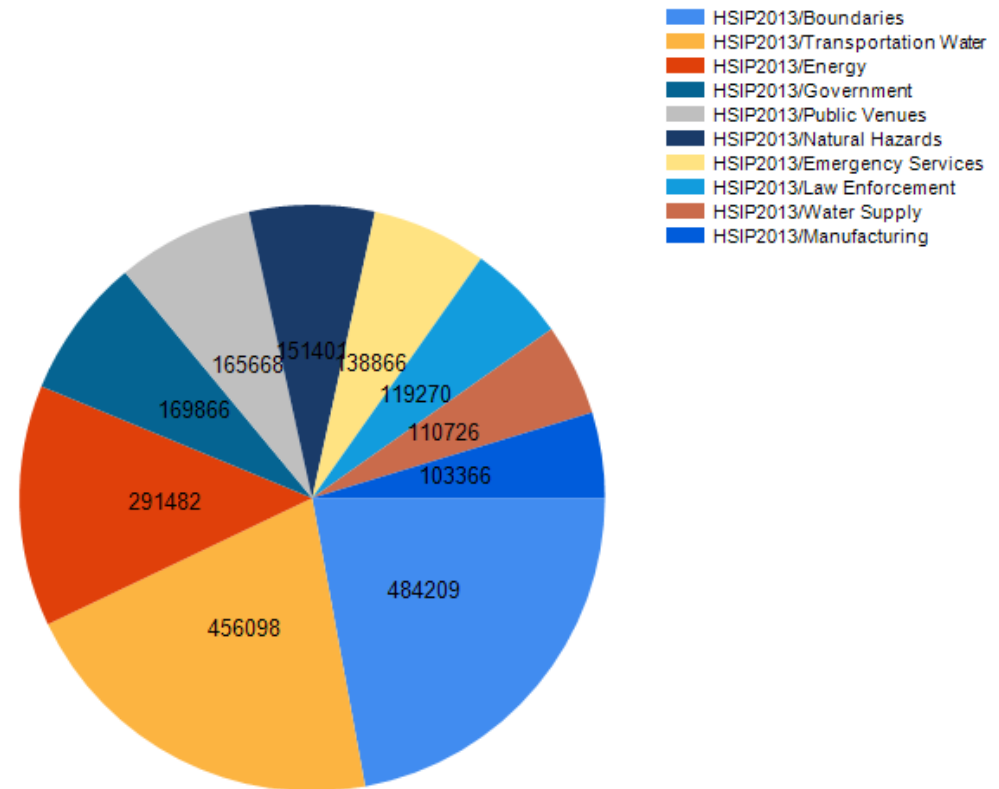


## GII Data Metrics

### Top Twenty SubLayers from 5/23/2013 to 5/23/2014



### Top Ten Layer Usage 5/23/2013 5/23/2014







## GII Capabilities

- Geospatial Data Access
- Discovery and Content Management
- Simple Mapping Tool
- Share Maps and Apps with Others
- Communication and Collaboration Tool



### Search Results

Show

2 results

#### All Results

- Maps
- Applications
- Tools

#### Related Searches

Find items published by Esri related to "Fire"

Find groups related to "Fire"

Search other Portals for ArcGIS

Relevance Title Owner Rating Views Date



#### Natural Hazards

HSIP 2013 Natural Hazards

Map Service by noah.goodman

Last Modified: October 23, 2013

☆☆☆☆ (0 ratings, 0 comments, 13 views)



#### Emergency Services

HSIP 2013 Emergency Services

Map Service by noah.goodman

Last Modified: October 24, 2013

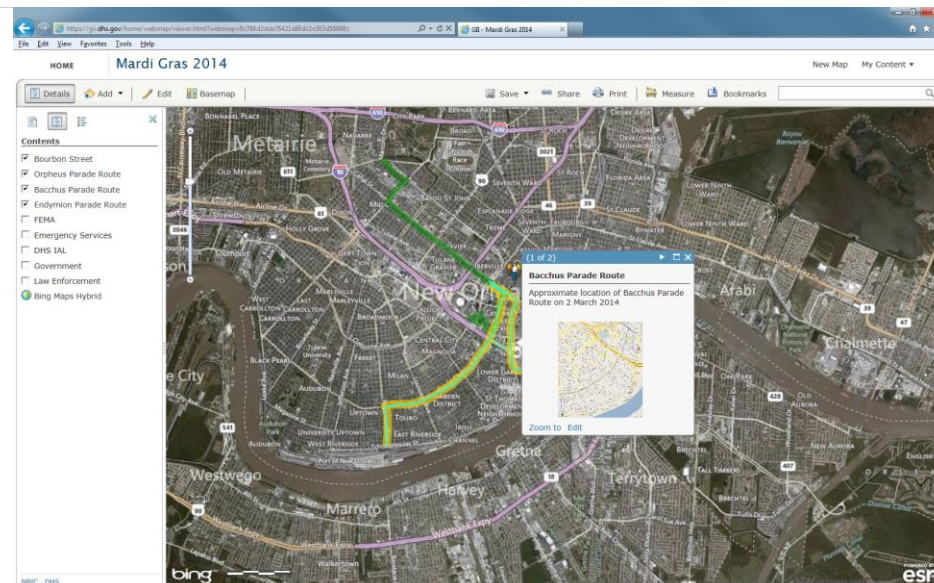
☆☆☆☆ (0 ratings, 0 comments, 19 views)

#### More Information

What types of items can I find here?

Advanced search options

Finding layer packages and other ArcGIS desktop content.





GII URL - <https://gii.dhs.gov>



### WARNING: FOR OFFICIAL USE ONLY

You are about to access a U.S. Government computer system. Access to this system is restricted to authorized users only. Individuals who access this system without authorization, or exceed authorized access, could be subject to a fine or imprisonment, or both, under Public Law 98-473. By accessing this system, you consent to having your activities and/or accesses recorded by the system software and periodically monitored. If this record reveals suspected unauthorized use or criminal activity, the evidence may be provided to supervisory personnel and law enforcement officials.

This is a geospatial visualization tool designed for the use of homeland security partners in protecting the nation's critical infrastructure and key resources. This datasets containing personally identifiable information

### Log in to OneView (Use your HSIN R3 credentials)

Username   
Password    
[Forgot your password?](#)

### Confirm Your Identity

To confirm your identity, please follow the steps below.

1. Enter your one-time pass code. The pass code has been delivered to your:
  - a. Email [LXXX@hq.dhs.gov](mailto:LXXX@hq.dhs.gov).
2. Check the box to register your computer, if you want to avoid future authentication challenges.
3. Press **Submit** to continue.

Enter Pass Code:



Check this box if this is a trusted computer for you and you want to register this computer for future account access. If you check this box, you will not have to enter this pass code again for the next 12 hours.



Submit



 [GALLERY](#) [MAP](#) [GROUPS](#) [MY CONTENT](#)

## Geospatial Information Infrastructure (GII)

*The GII provides a platform for shared and trusted geospatial data, services, and applications for use by the Homeland Security community*

### Apps & Services



Powered by GII



Powered by GII



Powered by GII



Powered by GII

Coming Soon

### Coordination Resources



GeoConops



OGC<sup>®</sup>  
Making Location Count



HSIN  
Easier to Search  
Easier to Share

### User Guide

Get help on GII functionality

### How To Videos

Videos on How to Use the GII

### Create a Map

Make a map mashup

### Find Groups

Discover groups to find content

### Trending Topics



Fairfax City Power Outages



Mardi Gras 2014



Interior Geospatial



2014 State of the Union





The screenshot displays the GII OneView map interface. At the top, there are navigation and search tools including a globe, a compass, and buttons for 'Layer', 'Query', 'Conus', and 'Find'. The map shows an aerial view of George Mason University. On the right side, there is a 'Map Layers' panel with icons for ESRI, KML, WMS, RSS, and a legend. Below the map layers, there is a list of data sources including Imagery Remote Sensing, FEMA IPAWS Alerts, Northcom, Wildfires, USGS Hazards, Red Cross, Weather, Ocean and Riverine, DHS Facilities and Assets, Federal, and HSIP 2012. The HSIP 2012 section is expanded to show sub-categories: Agriculture, Borders, Boundaries, and Chemicals. Three red boxes highlight specific areas: the top box highlights the 'User Added Content' section, the middle box highlights the 'DHS Partner and Operational Data' section, and the bottom box highlights the 'DHS Foundational Data' section.

**User Added Content**

- WMS/GeoRSS/KML/REST
- Bing Geocode

**DHS Partner and Operational Data:**

- Common geospatial map services identified through GeoCONOPS

**DHS Foundational Data**

- 2013 Homeland Security Infrastructure Program (HSIP)
- HSIP Gold and Freedom

**Map Layers**

Current Map Scale: 12079 feet

Default

- ▼ Imagery Remote Sensing
- ▼ FEMA IPAWS Alerts
- ▼ Northcom
- ▼ Wildfires
- ▼ USGS Hazards
- ▼ Red Cross
- ▼ Weather, Ocean and Riverine
- ▼ DHS Facilities and Assets
- ▼ Federal
- ▲ HSIP 2012
  - ▶ Agriculture
  - ▶ Borders
  - ▶ Boundaries
  - ▶ Chemicals



## Geocoding Services



- Secure Geocode (HSIN Credentials ) for users
- Offered as a web service to systems through UI (Bing Key and Token)
- Supports Excel, comma/pipe/tab files
- Download file with new coordinates
- View results in web viewer

Name of Job:

Upload File:

### View/Download Results

Status	Job Title	File Name	Date Created
<input checked="" type="checkbox"/>	test	geocodetest.xlsx	9/11/2013 3:47:00 PM

#### Select Columns for Geocoding

**Column Selection for Geocoding**

Address:

City:

State:

Postal Code:

**Data Sample**

**Display Options**

Display Name for Layer:

Pin Size:

Pin Color:



- Geocoding File - include the following 5 minimum Columns
  - ID
  - Address
  - City
  - State
  - ZIP
- Results contain the following:
  - Interpolated Latitude
  - Interpolated Longitude
  - Rooftop Latitude
  - Rooftop Longitude
  - Confidence



## Apps & Services



Powered by GI



Powered by GI



Powered by GI



Powered by GI

Coming Soon

## HSIP Freedom Download - How to use this page:

- Click on any of the services and download the Zip file to your local machine

<a href="#">Agriculture</a>
<a href="#">Borders</a>
<a href="#">Boundaries</a>
<a href="#">Chemicals</a>
<a href="#">Commercial</a>
<a href="#">Communications</a>
<a href="#">Education</a>
<a href="#">Emergency Services</a>
<a href="#">Energy</a>
<a href="#">Finance</a>
<a href="#">Food Industry</a>
<a href="#">Geonames</a>
<a href="#">Government</a>
<a href="#">Landscape USA</a>
<a href="#">Law Enforcement</a>
<a href="#">Mail Shipping</a>
<a href="#">Mining</a>
<a href="#">National Flood Hazard Layers</a>
<a href="#">National Levee DB</a>
<a href="#">Natural Hazards</a>
<a href="#">Public Health</a>
<a href="#">Public Venues</a>
<a href="#">Transportation Air</a>
<a href="#">Transportation Ground</a>
<a href="#">Transportation Water</a>
<a href="#">Water Supply</a>



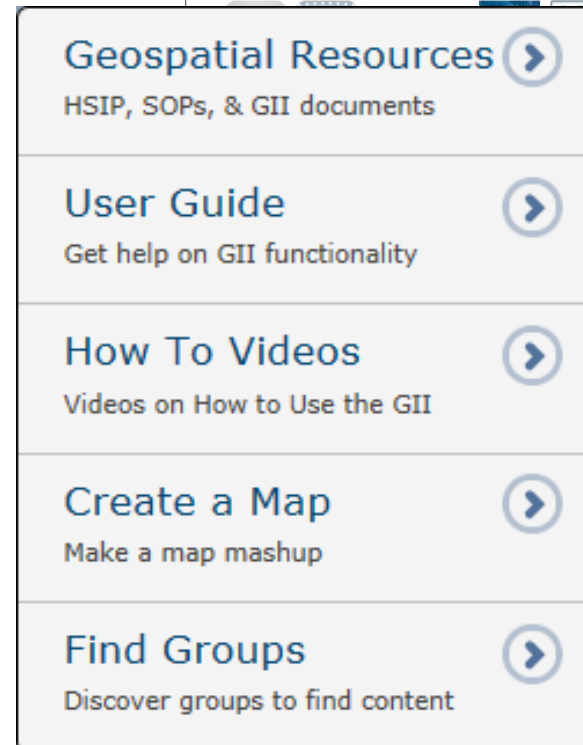
## Coordination Resources



- David Lilley
  - Project Manager for Homeland Security GeoCONOPS
- NAPSG Presentation Wednesday June 4th
- GII contains link to GeoCONOPS Website
  - What is the GeoCONOPS?
  - How do I use the site?
  - Who are the supporting partners?



- Geospaital Resources
  - GIS Community of Interest (COI)
- User Guide
- How To Videos





GALLERY

MAP

GROUPS

MY CONTENT

Find maps, applications and more...



## GII Common

Maps **Web Apps** Mobile Apps



Agriculture



Borders



BostonMarathonRoute



Boundaries



CBP



Chemicals



Coast Guard



Commercial



Communications

Find...

The most viewed items

Recently added items

Groups

1 2 3 4 5 6



GALLERY

MAP

GROUPS

MY CONTENT

Find maps, applications and more...

## DHS IAL



HSIP 2013 DHS IAL

Map Service by CAITLIN.BREEN

Last Modified: January 29, 2014

☆☆☆☆☆ (0 ratings, 679 views)

- Open
- Share
- Edit
- Delete
- Move To
- Change Owner

### Description

HSIP 2013 Gold Department of Homeland Security Infrastructure Asset List

### Layers:

- [Agriculture and Food](#) (0)
- [Banking and Finance](#) (1)
- [Chemical and Hazardous Materials Industry](#) (2)
- [Commercial Facilities](#) (3)
- [Communications](#) (4)
- [Dams](#) (5)
- [Emergency Services](#) (6)
- [Energy](#) (7)
- [Government Facilities](#) (8)
- [Healthcare and Public Health](#) (9)
- [Information Technology](#) (10)
- [National Monuments and Icons](#) (11)
- [Nuclear](#) (12)
- [Postal and Shipping](#) (13)
- [Transportation](#) (14)
- [Water](#) (15)
- [DHS IAL Dams](#) (16)
- [DHS IAL Mass Transit](#) (17)
- [DHS IAL Pipeline Systems](#) (18)
- [DHS IAL Road Bridges](#) (19)



### DHS IAL

HSIP 2013 DHS IAL

Map Service by CAITLIN.BREEN

Last Modified: January 29, 2014

☆☆☆☆☆ (0 ratings, 1 comment, 337 views)

Open **Details**



# View Map



## DHS IAL

New Map My Content ▾

Details Add ▾ Basemap Save ▾ Share Print Measure Bookmarks whitehouse ✕ 🔍

### Legend

- Agriculture and Food
- Banking and Finance
- Chemical and Hazardous Materials Industry
- Commercial Facilities
- Communications
- Dams
- Emergency Services
- Energy
- Government Facilities
- Healthcare and Public Health
- Information Technology

#### Government Facilities:

PROT_MARKI	FOR OFFICIAL USE ONLY
DATA_SOURC	IAL
COMPONENT_	
ASSET_NAME	White House
ADDRESS_1	1600 Pennsylvania Avenue NW
CITY	Washington
COUNTY_NAM	District of Columbia
STATE_NAME	District of Columbia
ZIP	20500
COUNTRY_NA	US
SECTOR	Government Facilities
QUIR_SECTOR	Personnel-Oriented
Zoom to	

Open Details

### DHS IAL

HSIP 2013 DHS IAL

◆ Map Service by CAITLIN.BREEN

Last Modified: January 29, 2014

☆☆☆☆☆☆ (0 ratings, 1 comment, 337 views)

# Adding Data to Map



- Search
- Create Editable Layer
- Add Layer from File
- Add Layer from Web

The screenshot shows a GIS application interface. At the top, there is a toolbar with 'Details', 'Add', and 'Basemap' buttons. The 'Add' button is open, showing a dropdown menu with options: 'Search for Layers', 'Create Editable Layer', 'Add Layer from File', and 'Add Layer from Web'. Below the toolbar, there is a legend and a map area. Two dialog boxes are overlaid on the map. The first dialog box is titled 'Create Editable Layer' and has a 'Name' field containing 'Map Notes' and a 'Template' dropdown menu also set to 'Map Notes'. Below the dropdown, there is a descriptive text: 'Use Map Notes to create basic shapes in a wide variety of applications.' and two buttons: 'Create' and 'Cancel'. The second dialog box is titled 'Add Layer from File' and contains the text: 'Locate the file you want to import. You can import a comma, semi-colon, or tab delimited text file (CSV or TXT) or a GPS data file (GPX) with up to 1000 features in it.' Below this text is a 'File:' label followed by an empty text box and a 'Browse...' button. At the bottom of the dialog, there is a link 'Get help with file requirements' and two buttons: 'Import Layer' and 'Cancel'.

The screenshot shows the 'Add Layer from Web' dialog box. It has a title bar with a close button. The main content area starts with the question 'What type of data are you referencing?' followed by four radio button options: 'ArcGIS Server Web Service' (which is selected), 'OGC Web Service (WMS)', 'KML', and 'CSV'. Below these options is a 'URL:' label followed by a text box containing the URL 'http://<MyServerName>/ArcGIS/rest/services/<MyService>'. At the bottom of the dialog, there is a checkbox labeled 'Use as Basemap' which is currently unchecked. Two buttons, 'Add Layer' and 'Cancel', are located at the bottom right of the dialog.

# Save and Share Web Map



DHS IAL New Map My Content ▾

Details Add ▾ Basemap Save ▾ Share Print Measure Bookmarks whitehouse

### Save Map

Title:

Tags:   
[Choose from your tags](#)

Summary:

Save in folder:

### Share

**Choose who can view this map.**  
Your map is currently shared with these people.

Everyone (public)

**Link to this map**

**Embed this map**

Legend

- Agriculture and Food
- Banking and Finance
- Chemical and Hazardous Materials Industry
- Commercial Facilities
- Communications
- Dams
- Emergency Services
- Energy
- Government Facilities
- Healthcare and Public Health
- Information Technology

NBIC . DHS





GALLERY

MAP

GROUPS

MY CONTENT

Find maps, applications and more...



## My Content

New Delete

Add Item Create Map Share Delete Move Change Owner

LEWIS.SUMMERS

<input type="checkbox"/>	<input type="checkbox"/>	▲ Title	Type	Modified	Shared	Size
<input type="checkbox"/>		DHS IAL Washington DC	Web Map	May 23, 2014	Everyone	1 KB
<input type="checkbox"/>		PowerOutage	Shapefile	Jan 27, 2014	Not Shared	2 KB

### DHS IAL Washington DC



DHS IAL features in the Washington, DC area.

Web Map by LEWIS.SUMMERS

Last Modified: May 23, 2014

☆☆☆☆☆ (0 ratings, 1 view)

Open Share Edit Delete Move To Change Owner

#### Description

#### Access and Use Constraints

#### Map Contents

DHS IAL:

<https://gii.dhs.gov/arcgis/rest/services/DHS2013/DHSIAL/MapServer>

Topographic:

[https://services.arcgisonline.com/ArcGIS/rest/services/World\\_Topo\\_Map/MapServer](https://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer)



**GALLERY**   **MAP**   **GROUPS**   **MY CONTENT**   Find maps, applications and more...

## Geospatial Information Infrastructure (GII)

The GII provides a platform for shared and trusted geospatial data, services, and applications for use by the Homeland Security community

**Apps & Services**

- One View** - Powered by GII
- Geocoding** - Powered by GII
- HSIP Freedom** - Powered by GII
- DHS Earth** - Powered by GII

**Coordination Resources**

- GeoConops**
- HSN** (Homeland Security Network)
- OGC** (Open Geospatial Consortium) - Making Location Count

**Geospatial Resources** >

- HSIP, SOPs, & GII documents

**User Guide** >

- Get help on GII functionality

**How To Videos** >

- Videos on How to Use the GII

**Create a Map** >

- Make a map mashup

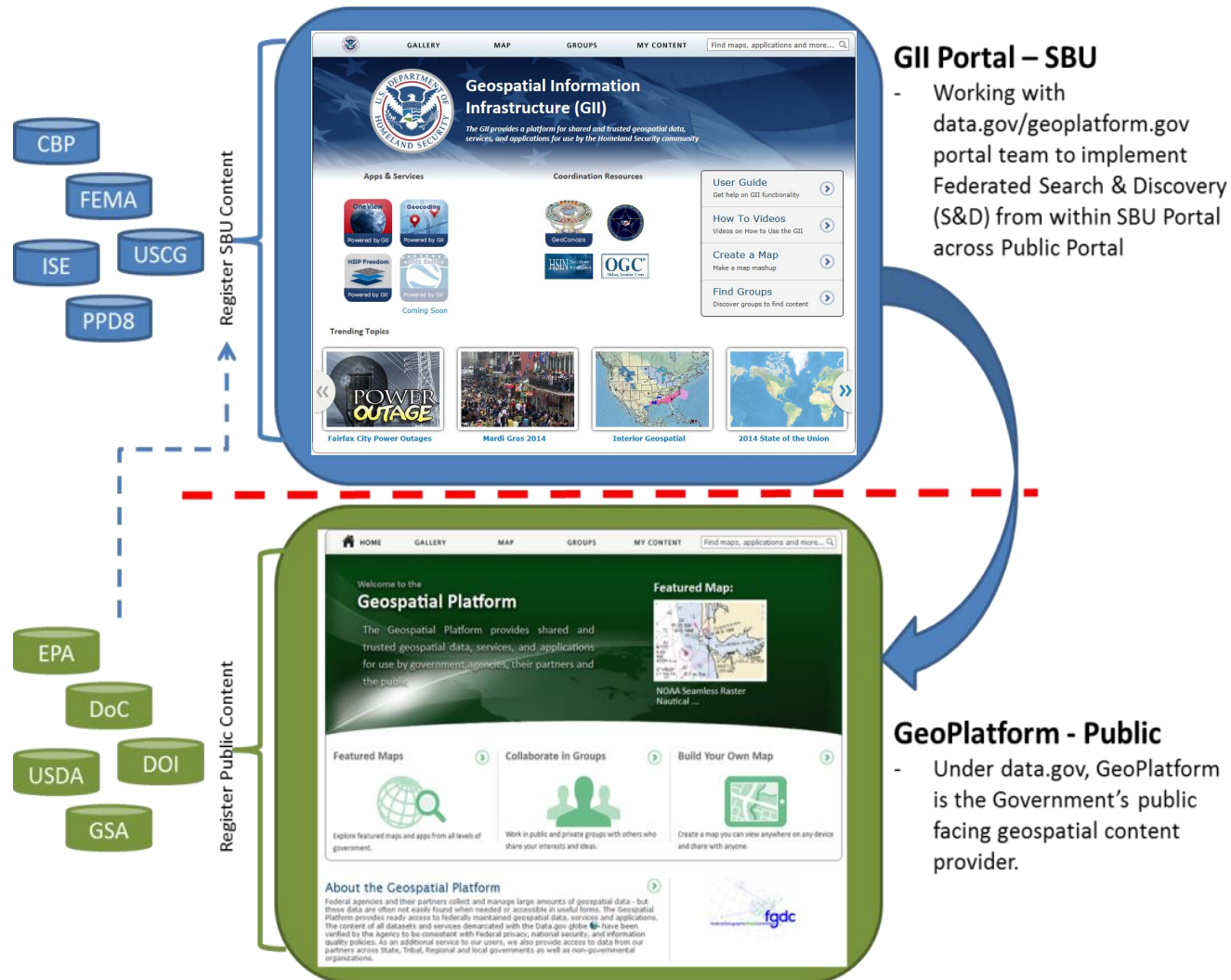
**Find Groups** >

- Discover groups to find content

**Trending Topics**

- DHS IAL Washington DC**
- KSA to USA POEs, Personnel**
- airport visits**
- Southern California Fires**

# Federated Search Capabilities



# GII – Geoplatform Search



GALLERY    MAP    GROUPS    MY CONTENT    Infrastructure

## Search Results

Showing 1 - 25 of 2034 results for 'Infrastructure'

Filter

Catalogs ▾

- ✓ GII Portal
- ✓ Geospatial Platform (CKAN)
- ✓ FEMA - Geoplatform

Item types ▾

- ✓ Web Maps/AGOL Map
- ✓ Map Service
- ✓ KML
- ✓ WMS

GII Portal



[DHS IAL Washington DC](#) DHS IAL features in the Washington, DC area. Web Map by LEWIS.SUMMERS  
last modified: Fri May 23 14:13:01 EDT 2014  
★ ★ ★ ★ ★ (0 ratings, 0 comments, 0 views)  
[Open](#) [Details](#)

GII Portal



[GovernmentHSIP 2013 GovernmentMap Service](#) by MELISSA.CONNORS  
last modified: Wed Jan 29 20:00:13 EST 2014  
★ ★ ★ ★ ★ (0 ratings, 0 comments, 112 views)  
[Open](#) [Details](#)

Geospatial Platform (CKAN)

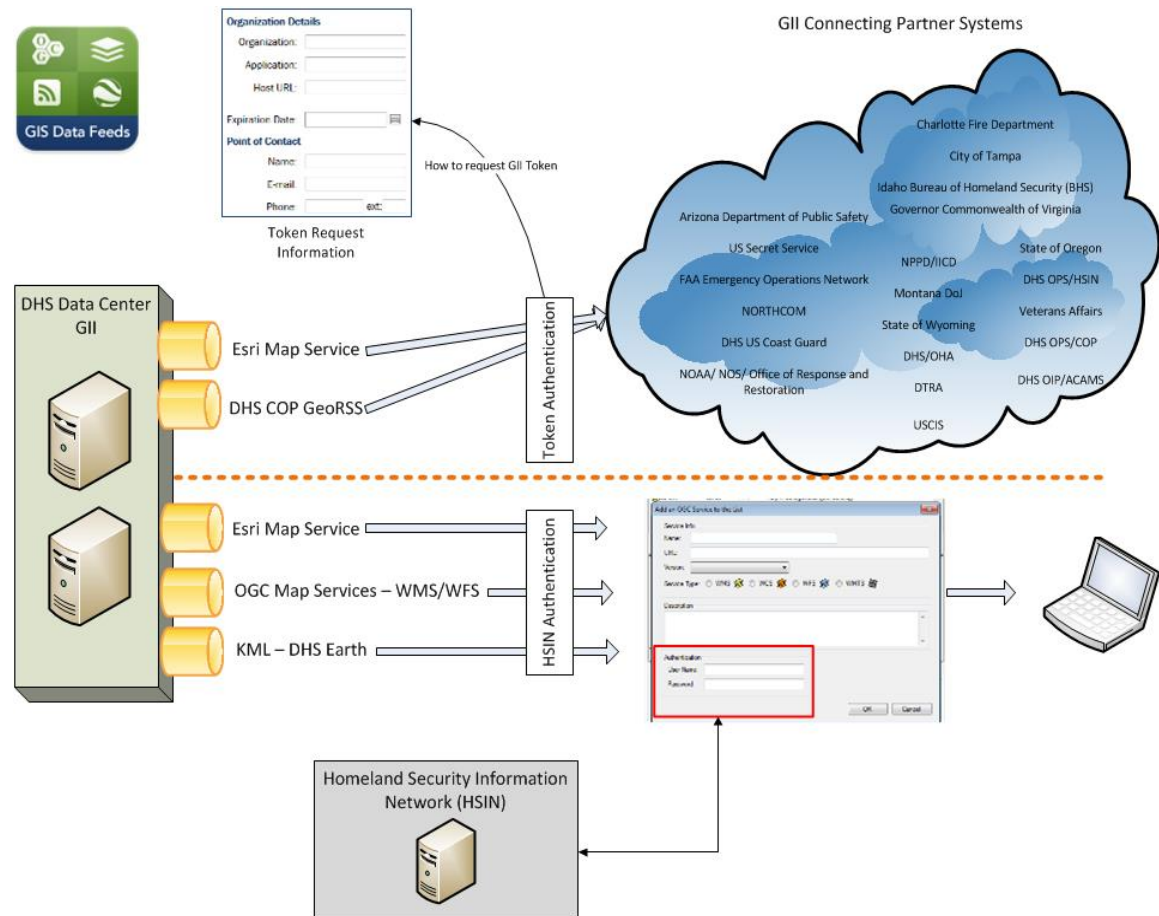


[Cadastral PLS Standardized Data - MeanderedWater, NE - Version 1.1](#) This feature class is part of the Cadastral National Spatial Data Infrastructure (NSDI) CADNSDI publication data set for rectangular and non-rectangular Public Land Su... ZIP, WMS, WFS, , ZIP, gml, KML, , JSON, CSV, Excel, XML, HTML, XML, XML, HTML, XML by Earth Data Analysis Center, University of New Mexico  
last modified: 2013-11-27T19:27:54.606Z  
[Open](#) [Details](#)



## How to Access GII

- GII Secure Token
  - System to System Connection
- Homeland Security Information Network (HSIN) IdM Services
  - Access to GII.dhs.gov
  - HSIN GIS COI







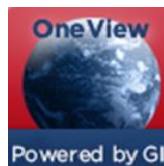
# Contacts and Questions?

- Lew Summers: Lewis.Summers@hq.dhs.gov
- Contact [gmo@dhs.gov](mailto:gmo@dhs.gov)
  - For GII user access – HSIN user account
  - For GII secure token System to System connection
- Problems with your HSIN Account, contact the HSIN help desk: [hsin.helpdesk@dhs.gov](mailto:hsin.helpdesk@dhs.gov)
- Training Links:
  - IS-63: Introduction and Overview – DHS Geospatial Information Infrastructure (GII)  
<https://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-63>
  - IS-60: Introduction and Overview - Homeland Security Geospatial Concept-of-Operations (GeoCONOPS)  
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-60>
  - IS-61: GeoCONOPS In-Depth - Homeland Security Geospatial Concept-of-Operations (GeoCONOPS)  
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-61>
  - IS-62: GeoCONOPS In-Practice - Homeland Security Geospatial Concept-of-Operations (GeoCONOPS)  
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-62>

## DHS Geospatial Services Geospatial Information Infrastructure (GII)



<https://gii.dhs.gov/>



<https://gii.dhs.gov/oneview>



<https://gii.dhs.gov/BatchGeocode>



<https://geoconops.ardentmc.net/>