



# Environmental Dataset Gateway Search and Discover 101

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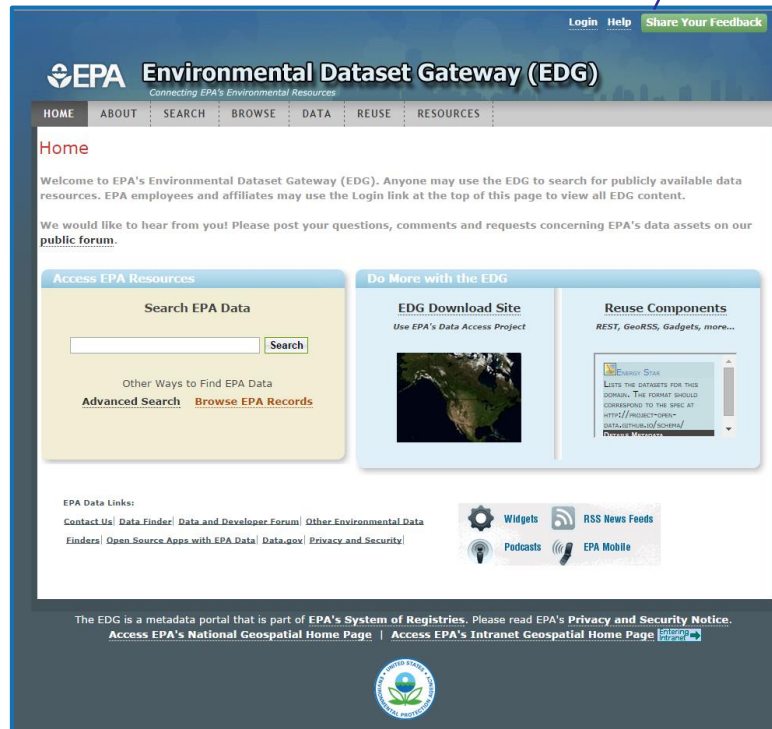


# Search and Discover 101:

## *Introduction*

- Finding Information at the EDG
  - Homepage Walk Through
    - Login
    - How to Access EPA Resources from the Homepage
    - Beyond metadata at the EDG
  - Advanced Search
  - Search Results Explained
  - Browsing Metadata at the EDG
- Finding Additional Information on using the EDG
  - About and Resource Page Walk Through
  - Help pages

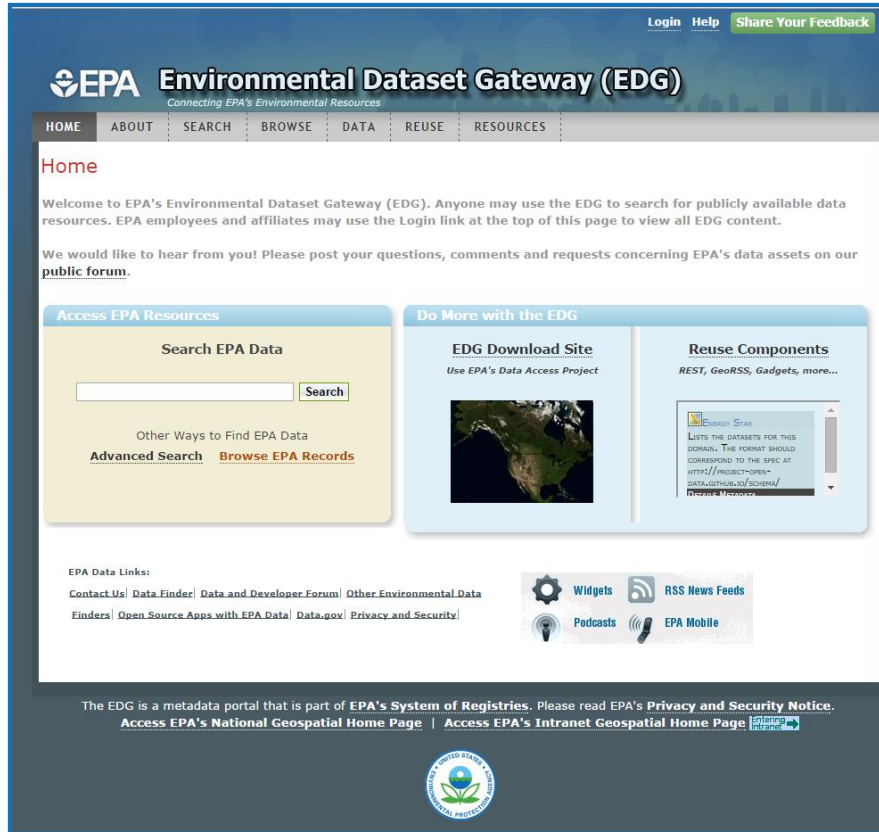
# Search and Discover 101: *Homepage Walk Through*



## EDG Options based on Login Status

- Not Logged In:
  - Search and Browse Unrestricted Content
  - Access Help and Resource Pages
- Logged In:
  - All of the above, Plus:
  - Access to Restricted Information
  - Access to Content Management Pages

## How to Access EPA Resources from the Homepage



The screenshot shows the EPA Environmental Dataset Gateway (EDG) homepage. At the top, there is a navigation bar with links for HOME, ABOUT, SEARCH, BROWSE, DATA, REUSE, and RESOURCES. Below the navigation bar, there is a "Home" section with a welcome message and a link to a public forum. The main content area is divided into two columns. The left column, titled "Access EPA Resources", contains a "Search EPA Data" box with a search input field and a "Search" button, and links for "Advanced Search" and "Browse EPA Records". The right column, titled "Do More with the EDG", contains two sub-sections: "EDG Download Site" with a map of the United States and the text "Use EPA's Data Access Project", and "Reuse Components" with the text "REST, GeoRSS, Gadgets, more...". At the bottom of the page, there are "EPA Data Links" including Contact Us, Data Finder, Data and Developer Forum, Other Environmental Data, Finders, Open Source Apps with EPA Data, Data.gov, and Privacy and Security. There are also icons for Widgets, RSS News Feeds, Podcasts, and EPA Mobile. The footer contains a disclaimer about the EDG being a metadata portal and links to EPA's National Geospatial Home Page and Intranet Geospatial Home Page.

### Basic Search

- Simply enter a search term keyword in the field directly on the homepage

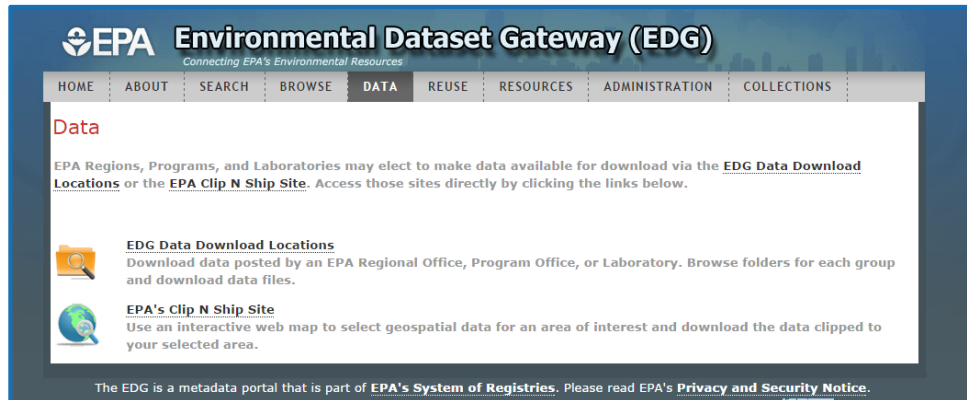
### Advanced Search

- Accessed from either the Search tab or by clicking the Advanced Search link under the Basic Search
- enables you to narrow search results by selecting additional filters.

### Browse

- Accessed from either the Browse tab or by clicking the Browse EPA Records link under Basic Search.
- lists a hierarchical structure of categories
- users can view the resources associated with those categories

## Beyond Metadata at the EDG: Download Locations



The screenshot shows the EPA Environmental Dataset Gateway (EDG) homepage. The header includes the EPA logo and the text "Environmental Dataset Gateway (EDG) Connecting EPA's Environmental Resources". A navigation menu contains links for HOME, ABOUT, SEARCH, BROWSE, DATA, REUSE, RESOURCES, ADMINISTRATION, and COLLECTIONS. The "Data" section is highlighted, with a sub-header "Data". Below this, there is a paragraph explaining that EPA Regions, Programs, and Laboratories can elect to make data available for download via the "EDG Data Download Locations" or the "EPA Clip N Ship Site". Two links are provided: "EDG Data Download Locations" (with a magnifying glass icon) and "EPA's Clip N Ship Site" (with a globe icon). A footer note states: "The EDG is a metadata portal that is part of EPA's System of Registries. Please read EPA's Privacy and Security Notice."

### Storage locations

- Two locations are available:
  - **Public:**
    - location accessible to any user
  - **Restricted:**
    - location only accessible to users with an EDG login.



The screenshot shows the "Environmental Dataset Gateway Download Locations" page. The header includes the EPA logo and the text "Environmental Dataset Gateway Download Locations Connecting EPA's Environmental Resources". The main heading is "Download EPA's Geospatial Data". Below this, there is a paragraph explaining that the EDG provides a data download location for EPA Regions, Program Offices, and Research Laboratories that want to make data available online for download but do not have their own server available. Users can access publicly accessible data by clicking on the folders below. EPA employees and affiliates may use the Login link at the top of this page to view additional, restricted content, or browse to an "equivalent page" (with an "Intranet" link and a right-pointing arrow) on the EPA Intranet for better download performance. A second paragraph states: "EPA employees who would like to publish data on this site should review the publishing procedures." At the bottom, there are two folder icons: "Public" and "Restricted". The "Public" folder is highlighted with a red box.

## Beyond Metadata at the EDG: Clip N Ship Application

**EPA Environmental Dataset Gateway (EDG)**  
Connecting EPA's Environmental Resources

HOME ABOUT SEARCH BROWSE **DATA** REUSE RESOURCES ADMINISTRATION COLLECTIONS

**Data**

EPA Regions, Programs, and Laboratories may elect to make data available for download via the [EDG Data Download Locations](#) or the [EPA Clip N Ship Site](#). Access those sites directly by clicking the links below.

**EDG Data Download Locations**  
Download data posted by an EPA Regional Office, Program Office, or Laboratory. Browse folders for each group and download data files.

**EPA's Clip N Ship Site**  
Use an interactive web map to select geospatial data for an area of interest and download the data clipped to your selected area.

- Stewards contribute geospatial data for public use
- Easily view and download EPA's publicly available data
- Clip to area of interest

**EPA Clip N Ship Application**

Latitude: 55.798176 Longitude: -104.408154

Basemap

**EPA Clip N Ship**

1. Select Area  
Choose a state: [dropdown] Clear [?] [?]  
OR Use the draw tool: [rectangle] [circle] [line] [polyline] [polygon]

2. Select Data  
 R9 AZ 1/4-1/4 sections  
 R9 NV 1/4-1/4 sections  
 R9 Census Tracts - Population Density  
 R9 Census Blockgroups - Population Density  
 R9 Census Blocks - Population Density  
 R9 R9 Average Annual Wind Potential

3. Select Vector Format  
File Geodatabase (.gdb)

4. Select Raster Format (if needed)  
ESRI GRID (ESRI GRID - GRID)

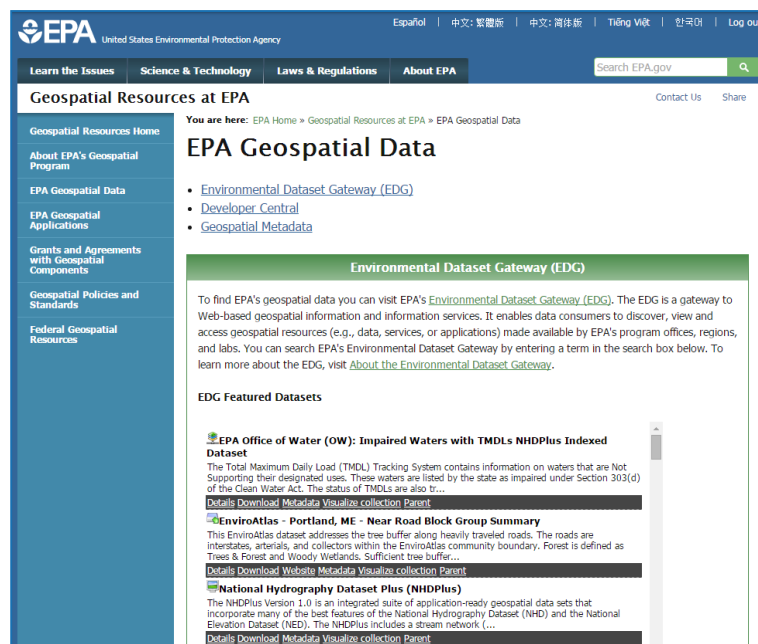
5. Select Spatial Reference  
Same As Input - Web Mercator Auxiliary Sphere

Download

## Beyond Metadata at the EDG: Reuse Components

EDG contains 3 tools that allow application developers to reuse EDG content:

- **EDG Rest Interface**
  - Output catalog content into a new web page
- **EDG Search Widget**
  - Embed a simple search tool into a web page
- **EDG CS-W Interface**
  - Allows users to query the EDG catalog using the CS-W Specification



The screenshot shows the EPA Geospatial Resources at EPA homepage. The header includes the EPA logo, navigation tabs for 'Learn the Issues', 'Science & Technology', 'Laws & Regulations', and 'About EPA', and a search bar. The main content area is titled 'EPA Geospatial Data' and features a list of links: 'Environmental Dataset Gateway (EDG)', 'Developer Central', and 'Geospatial Metadata'. Below this is a section for 'Environmental Dataset Gateway (EDG)' with a description and a search box. The bottom section is titled 'EDG Featured Datasets' and lists three datasets: 'EPA Office of Water (OW): Impaired Waters with TMDLs NHDPlus Indexed Dataset', 'EnviroAtlas - Portland, ME - Near Road Block Group Summary', and 'National Hydrography Dataset Plus (NHDPlus)'.



The screenshot shows the EPA GeoResources homepage. The header includes the 'ONE & EPA Workplace' logo, the title 'EPA Geo Resources', and a search bar. The main content area is titled 'EPA GeoPlatform > EPA Geo Data and Services' and features a list of links: 'About', 'Getting Started', 'Data and Web Services', 'Hosting', 'Map Gallery', and 'User Needs Assessment'. Below this is a section for 'Find Data' with two items: 'Shared Enterprise Geodata and Services (SEGS)' and 'EPA Environmental Dataset Gateway (EDG)'. The bottom right section is titled 'EPA GeoPlatform Online: Make a Map' and features a search bar and a 'Find Data' button.

# DEMO





# Search and Discover 101:

## *Important URLs*

- Using Lucene Search Text Queries:  
[https://edg.epa.gov/metadata/webhelp/en/gptlv10/index.html#/Using\\_Lucene\\_Search\\_Text\\_Queries/00t000000004000000/](https://edg.epa.gov/metadata/webhelp/en/gptlv10/index.html#/Using_Lucene_Search_Text_Queries/00t000000004000000/)
- EDG about page:  
<https://edg.epa.gov/metadata/catalog/content/about.page#>
- EDG Reuse Document:  
[https://edg.epa.gov/metadata/webhelp/en/gptlv10/inno/EDG\\_Reuse.pdf](https://edg.epa.gov/metadata/webhelp/en/gptlv10/inno/EDG_Reuse.pdf)
- Questions/Help, email: [edg@epa.gov](mailto:edg@epa.gov)



# Questions?

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