

## User Interface

The EarthExplorer (EE) user interface provides the overall capability for users to interact with the EarthExplorer (EE) components and services. The EarthExplorer (EE) user interface (Figure 1) is composed of the following key elements:

- Standard USGS header/footer elements
- EarthExplorer (EE) menu bar
- Body

**Note: August 21, 2019 transitioned from Google Map Interface to Leaflet Map Interface.**

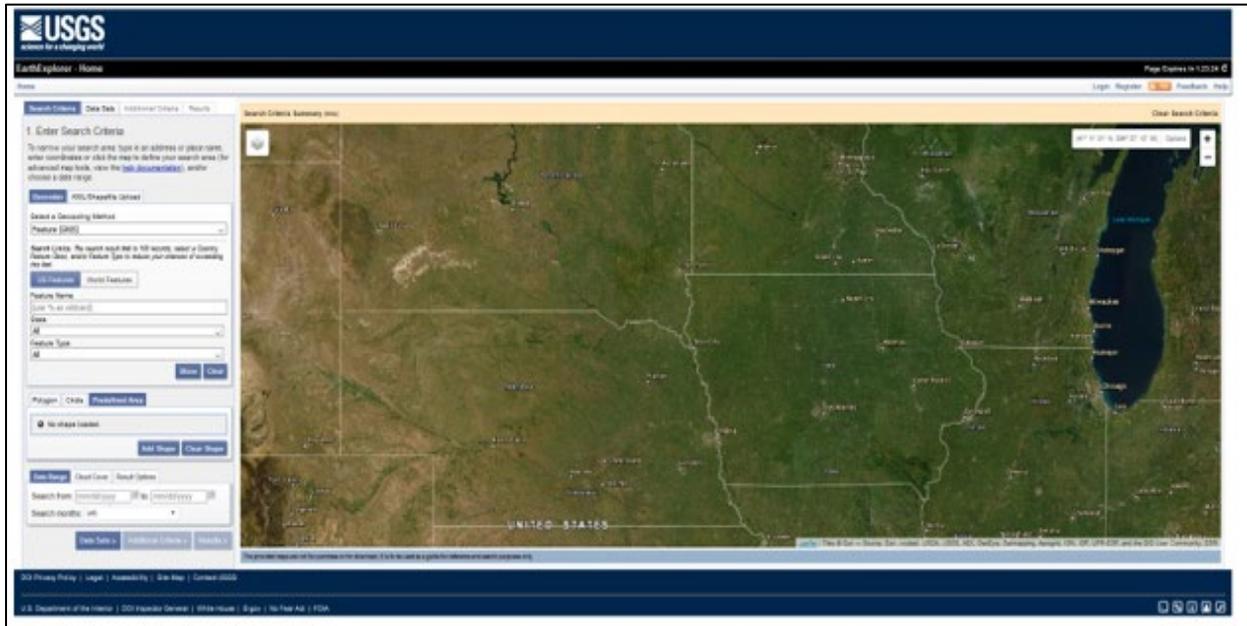


Figure 1 - EarthExplorer (EE) User Interface

**Header/Footer Elements** - The EarthExplorer (EE) header/footer elements are based on the [USGS Visual Identification Policy](#) standard guidelines. The EarthExplorer (EE) client is compliant with Section 508 guidelines.

**Header** - The EarthExplorer (EE) client header (Figure 2) is located at the top of the web page. The header is common across all web pages in EarthExplorer (EE). The USGS Logo (upper left corner) links to the USGS website and reflects the relevance of the Bureau's work in today's world and communicates USGS's purpose to the public.



Figure 2 – Header

**Footer** - The EarthExplorer (EE) client footer (Figure 4) is located at the bottom of the web page. The footer is common across all web pages in EarthExplorer (EE).



Figure 4 - Footer

The common menu items in the footer include:

- DOI Privacy Policy - Provides a link to the [USGS Privacy Policies](#). This information identifies USGS and the Department of Interior (DOI) privacy policies.
- Legal - Provides a link to the [USGS Policies and Important Notices](#) website. This information describes the principal policies and other important notices that govern information posted on USGS websites.
- Accessibility - Provides a link to the [USGS Accessibility Policy \(Section 508\)](#). The USGS Accessibility Policy ensures that all electronic and information technology developed, procured, maintained, or used by the USGS is accessible to people with disabilities.
- Site Map - Provides information about the pages, videos, and other files on the USGS site.
- Contact USGS - [Email](#) link to USGS
- U.S. Department of the Interior - Provides a link to the [DOI Homepage](#)
- DOI Inspector General - Provides a link to the [DOI Inspector General Homepage](#)
- White House - Provides a link to the [White House Homepage](#)
- E-gov - Provides a link to the [E-Government & Information Technology Homepage](#)
- No Fear Act - Provides a link to the Office of Civil Rights [No Fear Act](#)
- FOIA - Provides a link to the [U.S. Geological Survey Freedom of Information Act \(FOIA\) Electronic Reading Room](#). FOIA requests for a copy of USGS records can be made by any individual or public/private organization other than a Federal agency.

**EarthExplorer (EE) Menu Bar** - The EarthExplorer (EE) menu bar (Figure 3) is directly below the header. The EarthExplorer (EE) menu bar supplies a common starting point to access additional functionality, options, and preferences for the EarthExplorer (EE) client via dropdown menus.



**Figure 3 - EarthExplorer (EE) Menu Bar**

The common menu items in the menu bar include:

- Home - Returns you to a common starting point within the application.
- System Message - Provides links and information regarding system status and upcoming events/changes.
- Login - Provides a link to the EarthExplorer (EE) Login.
- Register - Provides a link to the EarthExplorer (EE) Registration Service (ERS).
- RSS - Allows registered users to subscribe to RSS (Really Simple Syndication) Feeds.
- Feedback - Provides a link to the feedback form.
- Help - Provides information about EarthExplorer (EE).

Additional menu bar items display when you register or log in. Some of these additional features include:

- Registration Name - Dropdown provides access to Profile (Registration Information), Settings (Customize preferences), and Logout.
- Save Criteria - Allows you to save your search criteria for future searches.
- Load Favorite - Allows you to load/apply saved search criteria.
- Manage Criteria - Allows you to modify previously saved search criteria.

- Item Basket (0)

These options are described in further detail in the [EarthExplorer \(EE\) Registration System \(ERS\) Help Documentation](#).

**Body** - The body (Figure 5) includes the main EarthExplorer (EE) capabilities and is composed of the Data Search Functions and the Leaflet Map (Leaflet is a widely used open source JavaScript library used to build web mapping applications) components.



**Figure 5 – Body**

**Search Criteria** - The EarthExplorer (EE) Data Search component is located on the left side of the EarthExplorer (EE) body element. The Data Search components are divided among 4 tabs and allow users to enter search criteria, select datasets to query, enter additional criteria, and review results in a tabular window. Additional details on the Data Search component are provided in [Perform a Search Documentation](#).

**Leaflet Map** - The Leaflet Map component is located on the right side of the EarthExplorer (EE) body element. The Leaflet Map application interface embeds Leaflet API within the EarthExplorer (EE) client. The Leaflet Map is a useful tool for defining a search area and for verifying that results fall in the area of interest.

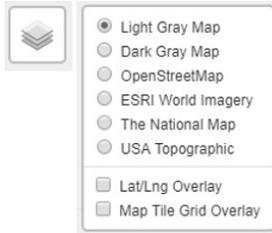
Before using the Leaflet Map component, you should be familiar with the features provided in the Leaflet Map interface for EarthExplorer (EE).



**Figure 6 - Leaflet Map Features**

Use the following controls in EarthExplorer (EE) Leaflet Map (Figure 6):

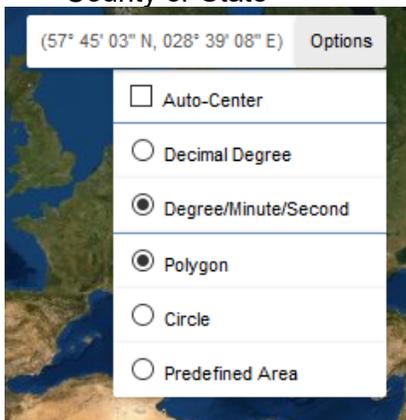
- **Overlay ①** - Click the overlay icon and choose the layer(s) to display on map. Default layer is ESRI World Imagery with world boundaries



- **Coordinates ②** - Coordinate values update as you move the mouse on the map interface.



- **Options ③** -
  - Auto-Center – Centers the map on the display
  - Decimal Degree/Degree Minute Second – Choose how to display coordinates
  - Polygon – Allows entering search criteria by polygon
  - Circle – Allows entering search criteria by using a circle radius
  - Predefined Area - Allows entering search criteria by using predefined area i.e. County or State



- **Zoom +/- ④** - Click the plus sign (+) to zoom in to the center of the map; click the minus sign (-) to zoom out.



- **Pan** - Click and drag the map to the desired location or view.