

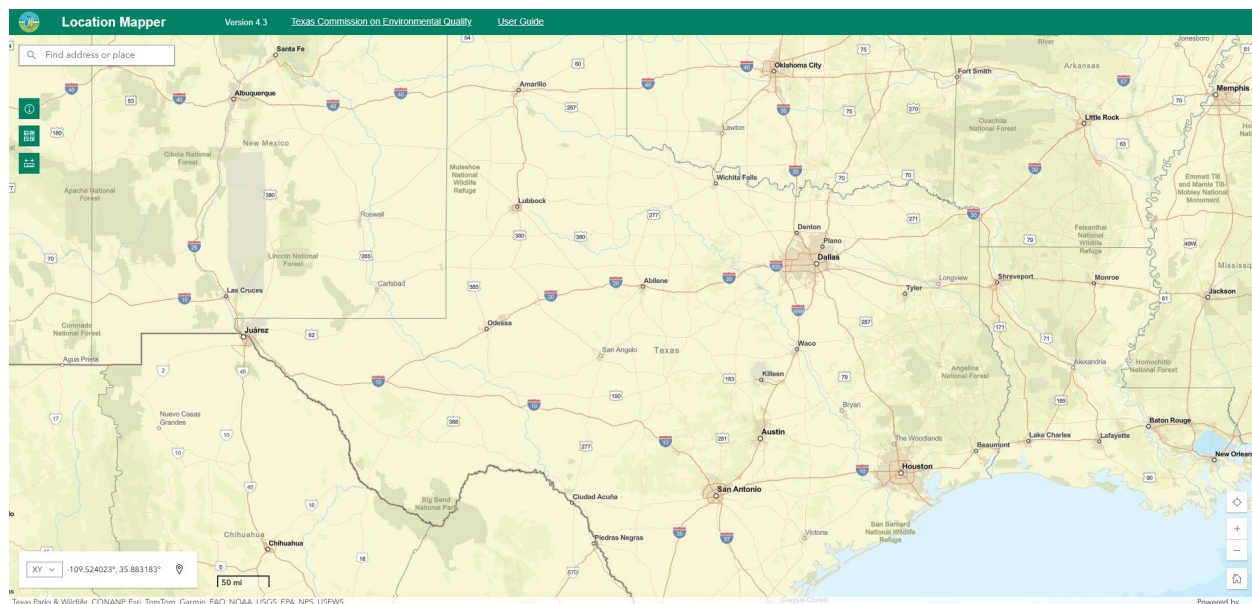
Location Mapper

User Guide

(Formerly HB610 Viewer)



Application Overview




The Location Mapper allows you to plot a point for a facility, generate a URL, and send that URL to someone else. You can use an address or latitude and longitude to search for a location.

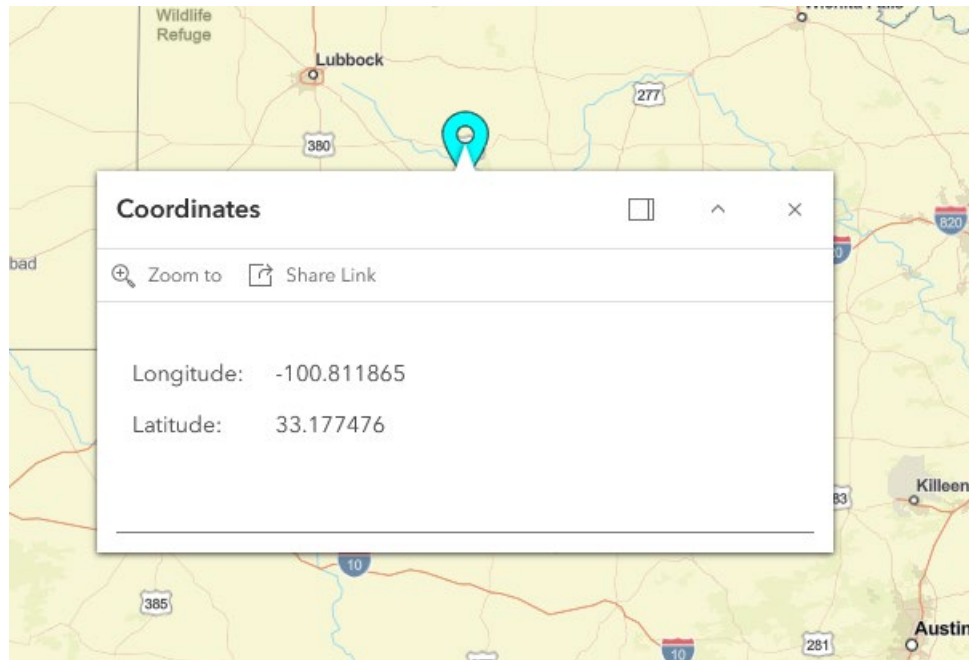
While useful for anyone, TCEQ provides the mapper to fulfill House Bill 610 from the 82nd Legislative session which states *“(a-2) The Commission shall utilize electronic means of transmission for any notice issued or sent by the Commission to a state senator or representative, unless the senator or representative has requested to receive notice by mail. (a-3) If the notice issued or sent under Subsection (a-2) concerns a permit for a facility, the notice must include an Internet link to an electronic map indicating the location of the facility.”*

Contents

Location Mapper.....	1
Application Overview.....	1
Basic Usage.....	4
Navigating Around the Map.....	5
Viewer Header	5
Widget Controller.....	6
About.....	6
Basemap Gallery.....	7
Measurement	8
Analysis Widgets	9
Search.....	9
Map Tools.....	10
Zoom In.....	10
Zoom Out.....	10
Home	10
My Location.....	11
Scale Bar.....	11
Coordinates.....	11
Contact Us	13

Basic Usage

Click on the [Coordinates](#) widget marker button  in the bottom left of the web application and then click on the map to display an information window. It may be helpful to use the [Search](#) widget in the top left to search for and zoom to a specific area first. The Coordinates information window includes longitude and latitude for the map point.



Each part of the coordinates can be copied and pasted independently, or the map state can be shared by clicking the “Share Link” button.

Note: Only the following [basemaps](#) are configured to be restored from the shareable link – Imagery, Imagery Hybrid, Topographic, Navigation, Light Gray Canvas, Dark Gray Canvas, Oceans, and Open Street Map.

Zoom in and out by using the scroll wheel on your mouse.

Pan the map by clicking with your left mouse button, holding, and then dragging the map.

Navigating Around the Map

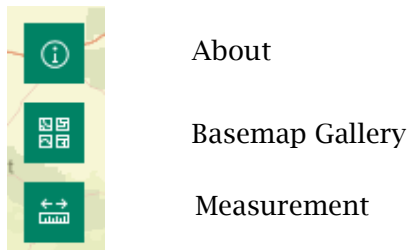
Viewer Header

The header section of the Viewer includes the Viewer's title and essential information about the Viewer. It provides links to the TCEQ Homepage, the viewer's landing page under the TCEQ Geographic Web Apps page, and the Viewer's User Guide. A version number may also be displayed to assist version control for developers.





Widget Controller

The widget controller is located on the left-hand side of the viewer. It hosts individual widgets to conduct varying actions such as measuring or changing the basemap being displayed.




After clicking on the widget button, a popover window will appear to the right.

Note: In mobile view, these windows will appear at the bottom of your device in a collapsed accordion state. They can be expanded by clicking on the downward facing chevron  and collapsed again by clicking .

About



The **About** widget provides users with essential information regarding the core functionality of the application.

To use the **About** widget, click on the  icon in the widget controller.

- This opens a popover window with the steps required to place a marker and create a shareable link.




How to use

1. Click on the marker symbol  in the bottom left to change your cursor to a cross hair.
2. Click on the map to place a marker and get your coordinates.
3. You can also use "Find address or place" to enter an address where you need coordinates near by.
4. Click "Share Link"  on the information window popup that appears to copy the map state link.
5. Share the coordinates and map state with others by using Ctrl+V to paste the URL in an email or Teams chat.


Satellite Imagery

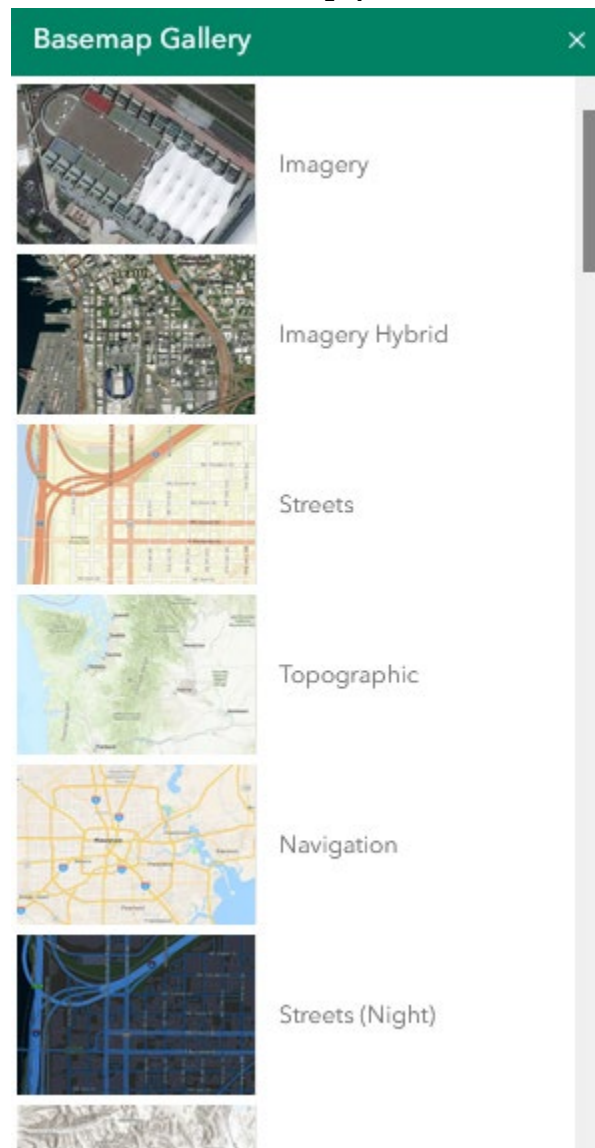
- Use the "Basemap Gallery" widget to select "Imagery" for when the default "Streets" basemap is not adequate.

- To close the window, click the close (x) button  in the upper right-hand corner.


Basemap Gallery

The **Basemap Gallery** widget can be used to change the background in the map viewer. The Streets basemap is the default basemap.

To change the basemap, click on the Basemap Gallery widget  on the widget controller, then select the basemap you wish to use.



You may choose from thirty-four different basemaps.

- To close the window, click the close (x) button  in the upper right-hand corner.

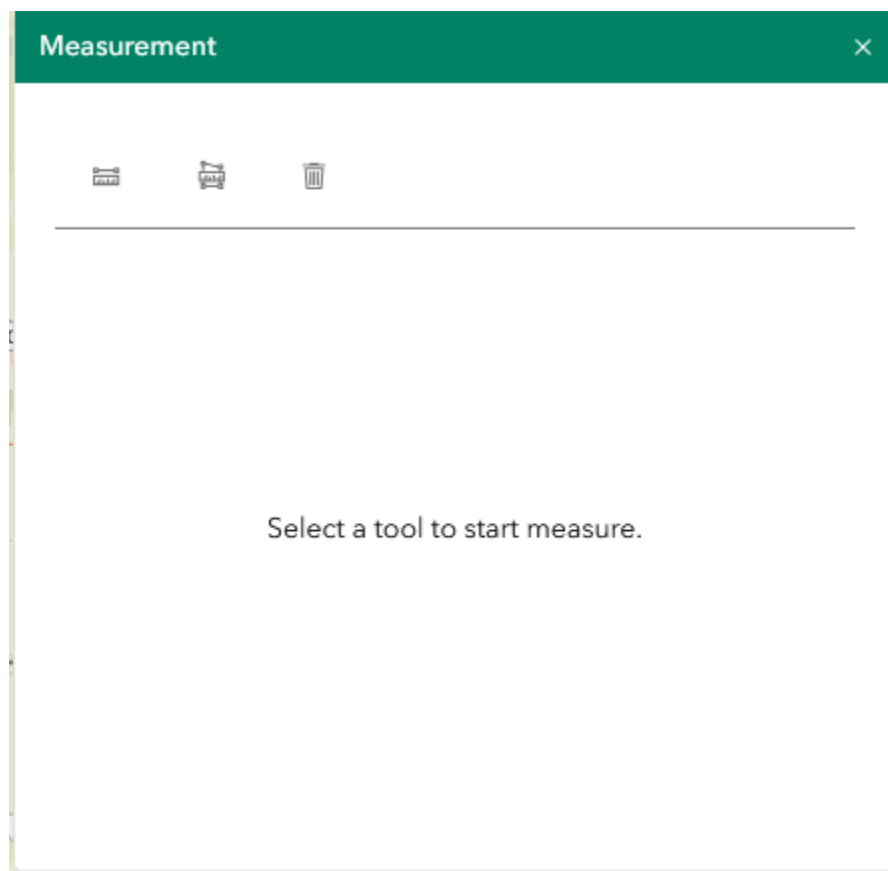
Measurement


The **Measurement** widget enables user to calculate the area, and distance directly on the map.

Note: It is recommended to disable the [Coordinates](#) widget capture mode first, if it has been clicked, before measuring.

To measure a feature, click on the **Measurement**  widget in the widget controller.

The Measurement window will appear as shown below.



- To close the window, click the close (x) button  in the upper right-hand corner.
- There are two different ways to measure features on the map:



Area - Click this button, then single-click the first point of your polygon on the map. Continue to single-click until you have finished measuring your area feature. Double-click to end. Results will appear in the Measurement window and in the middle of the drawn polygon. The default unit is square miles, but this may be changed in the drop-down list from the Measurement window.



Distance - Click this button, then single-click the first point of your line on the map. Continue to single-click until you have finished measuring your linear feature. Double-click to end. Results will appear in the Measurement window and across the middle of the drawn line. The default unit is miles, but this may be changed in the drop-down list from the Measurement window.



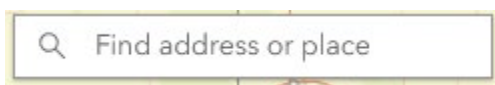
Clear - Click this button to delete or clear any saved measurements.

Analysis Widgets

Search



Type in an address or place into the bar to search for a location. As you type, you will be presented with possible matches. If you see your desired location, simply click on it and the map will zoom to that location. Or you can complete typing in the location and then press Enter on the keyboard. You can click the X on the bar to clear out the search bar.



The following are examples of the types of searches you can perform.

- Addresses: 100 Congress Ave, Austin, TX, 78701

- Names: Zilker Park
- Counties: Travis County

Map Tools

The zoom tools are located on the bottom right hand side of the map application.



Zoom In



Click the plus button once or multiple times to ***zoom in*** at fixed increments.

Zoom Out



Click the minus button once or multiple times to ***zoom out*** at fixed increments.

Home



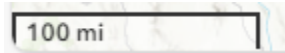
Click the home (house) button once to return to the default extent

My Location



Clicking the bullseye button will take you to your current location.

Scale Bar





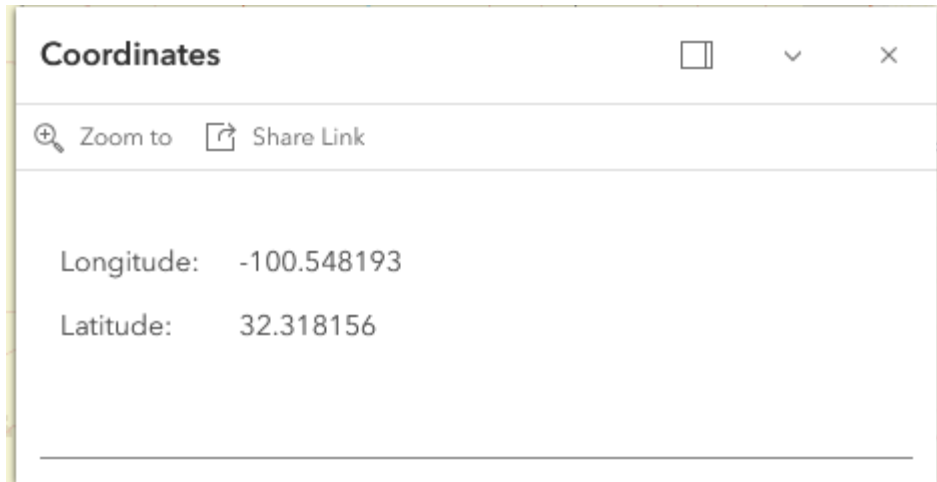
Shows the scale of the map at your current extent, located in the bottom left corner of the viewer window.


Coordinates

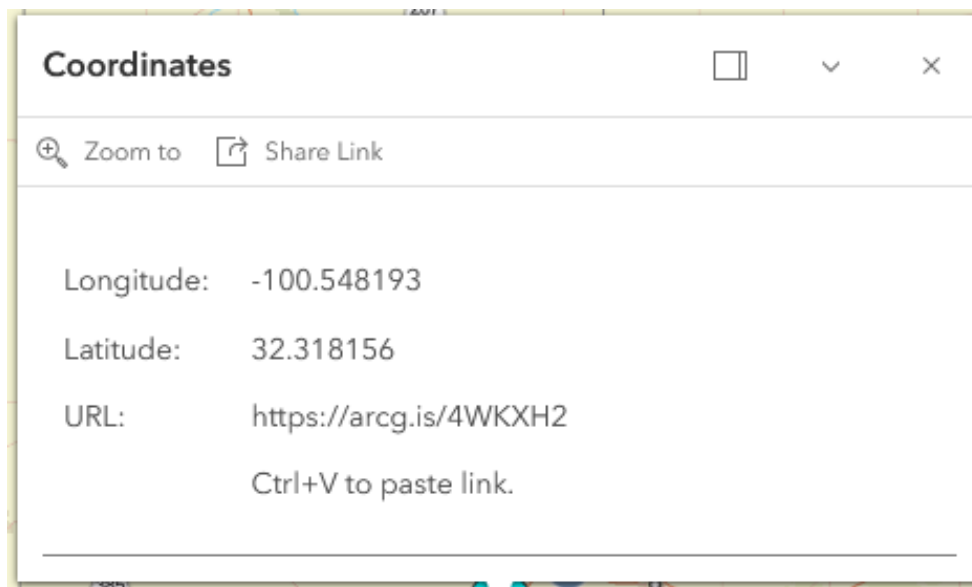
The **Coordinates** widget is found on the bottom left corner of the viewer, to the left of the scale bar. The coordinates automatically update to the location of the cursor in the viewer window.



- To get the coordinates of a particular location on the map, click on the marker  button. This will change your cursor to cross + sign and enable capture mode.
- Next, click on the map to create a marker . The coordinates widget will update with the coordinates of the marker, and a popup window will appear.



- You can share a URL of the application state that includes the marker location, zoom level, and certain basemaps by clicking the “Share Link”  button.
- The Coordinates window will update with a short URL that is also copied to the clipboard for pasting in other applications like Outlook, Teams, etc.



- To disable capture mode, click the marker  button again.

Contact Us

E-mail the GIS staff at GISMAIL@tceq.texas.gov