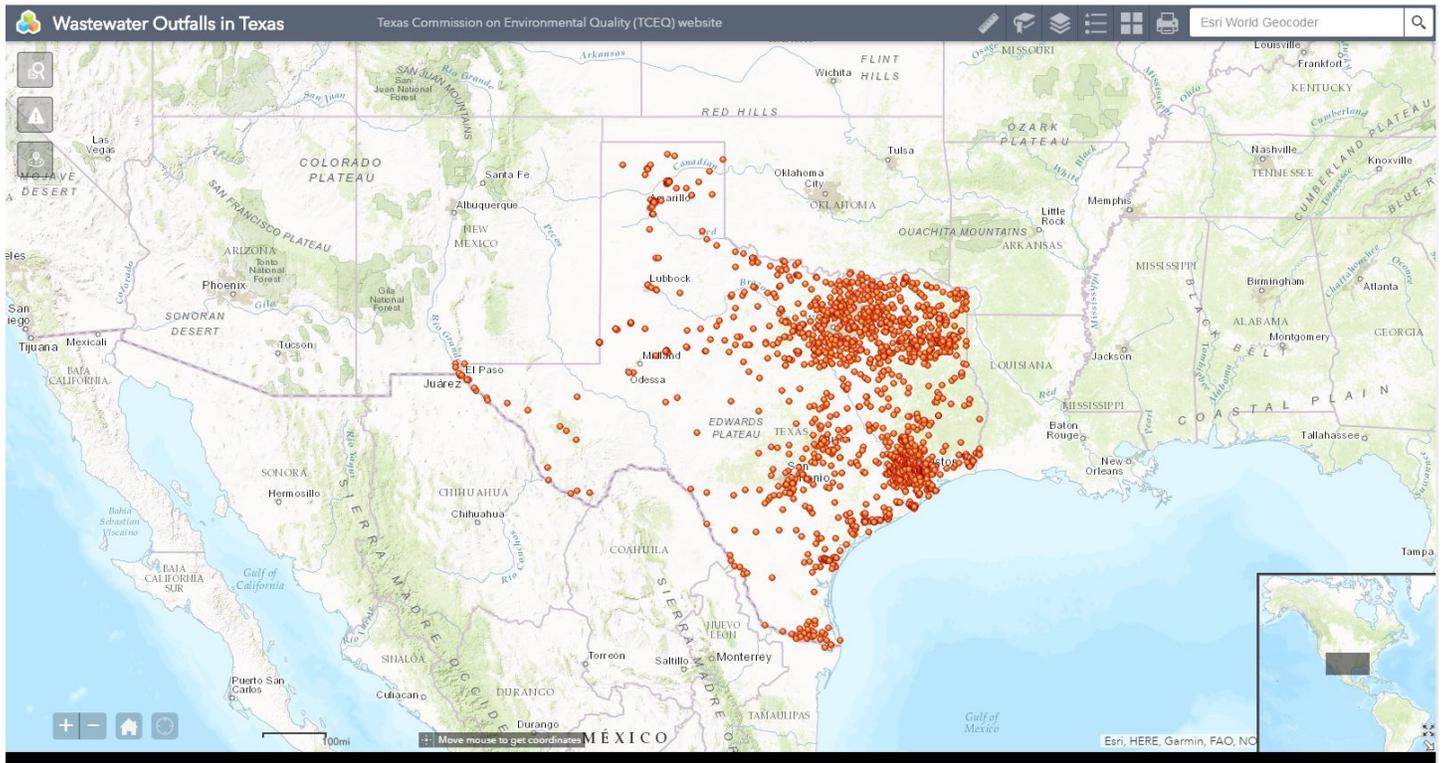


Wastewater Outfalls User Guide



Texas Commission on Environmental Quality



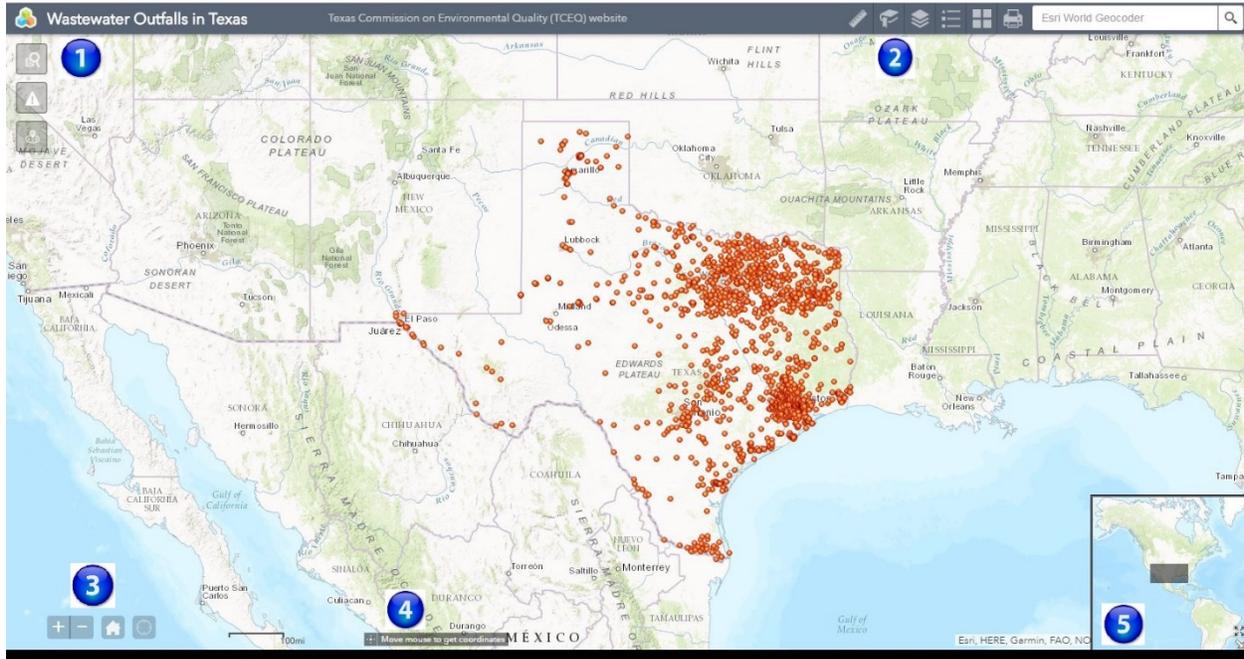
Water Quality Division

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Application Overview

The image below provides an overview of the tools available in this viewer. The user guide is organized into these five basic categories.



1 Analysis Tools

4 Coordinate Indicator

2 Main Toolbar

5 Inset Map

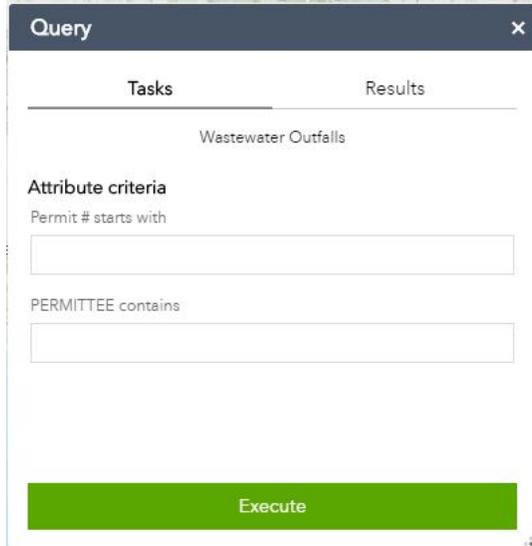
3 Zoom Tools

Navigating Around the Map

Analysis Tools:

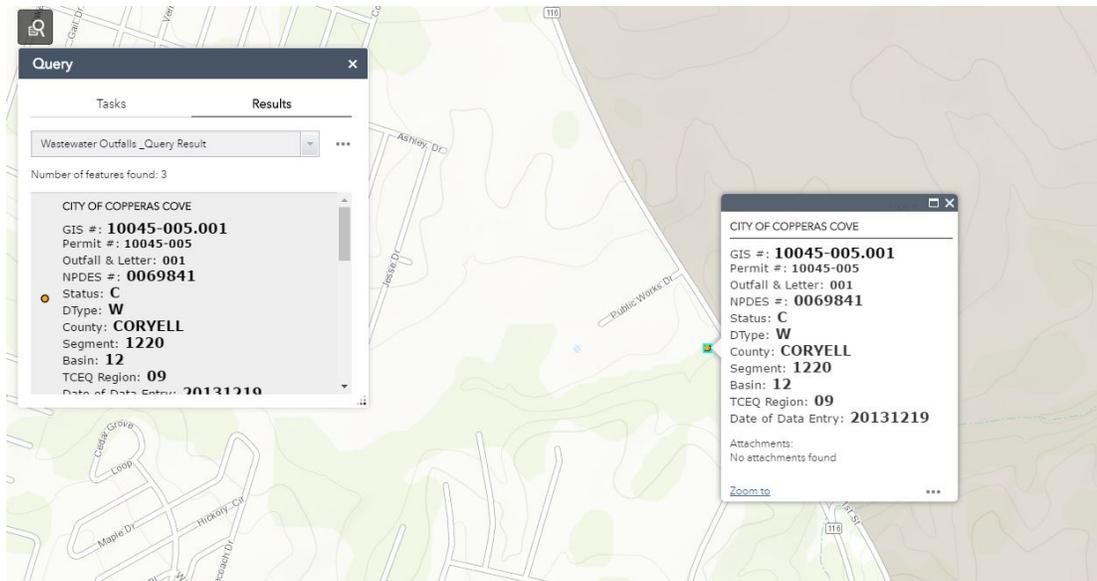
 **Query** – Click to enter and execute predefined queries

- In the upper left corner, click on the **Query** tool  to search for a specific permit number or a keyword search on the permittee name.



The screenshot shows the 'Query' tool interface. It has a title bar with 'Query' and a close button. Below the title bar are two tabs: 'Tasks' and 'Results'. Under the 'Tasks' tab, there is a dropdown menu showing 'Wastewater Outfalls'. Below this is the 'Attribute criteria' section with two input fields: 'Permit # starts with' and 'PERMITTEE contains'. At the bottom of the tool is a large green 'Execute' button.

- The site is highlighted on the map and a summary appears in the list of results.



The screenshot shows a map interface with a 'Query' tool window and a popup summary window. The 'Query' tool window shows the 'Results' tab with a dropdown menu set to 'Wastewater Outfalls_Query Result'. Below the dropdown, it says 'Number of features found: 3'. A list of results is shown, with the first result selected and highlighted:

- CITY OF COPPERAS COVE
- GIS #: **10045-005.001**
- Permit #: **10045-005**
- Outfall & Letter: **001**
- NPDES #: **0069841**
- Status: **C**
- DType: **W**
- County: **CORVELL**
- Segment: **1220**
- Basin: **12**
- TCEQ Region: **09**
- Date of Data Entry: **20131210**

The popup summary window on the right shows the same information for the selected feature:

- CITY OF COPPERAS COVE
- GIS #: **10045-005.001**
- Permit #: **10045-005**
- Outfall & Letter: **001**
- NPDES #: **0069841**
- Status: **C**
- DType: **W**
- County: **CORVELL**
- Segment: **1220**
- Basin: **12**
- TCEQ Region: **09**
- Date of Data Entry: **20131210**
- Attachments: No attachments found

The map background shows a topographic map with roads like 'Ashley Dr', 'Public Works Dr', 'Copperas Cove Loop', 'Maple Dr', 'Hickory Cr', and 'Pheasant Dr'. A red pin is placed on the map, corresponding to the selected feature.

 **Incidents** – this tool allows you to view the incidents in a specified area, point location, or along a line.

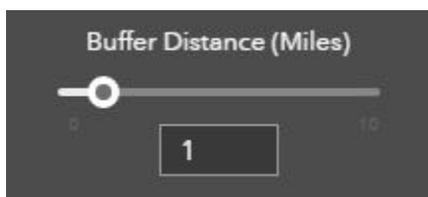


There are three ways to locate an incident:

-  **Point:** click the Point icon, then select a point on the map. You can set the buffer distance from 1 to 10 miles.
-  **Line:** click the Line icon, then click the map to draw your line. Each click will be a vertex of the line. Double click to finish drawing. You can set the buffer distance from 1 to 10 miles.
-  **Area:** click the Area icon, then click the map to start drawing your polygon. Each click will be a vertex of the shape. Double click to finish drawing. You can set the buffer distance from 1 to 10 miles.

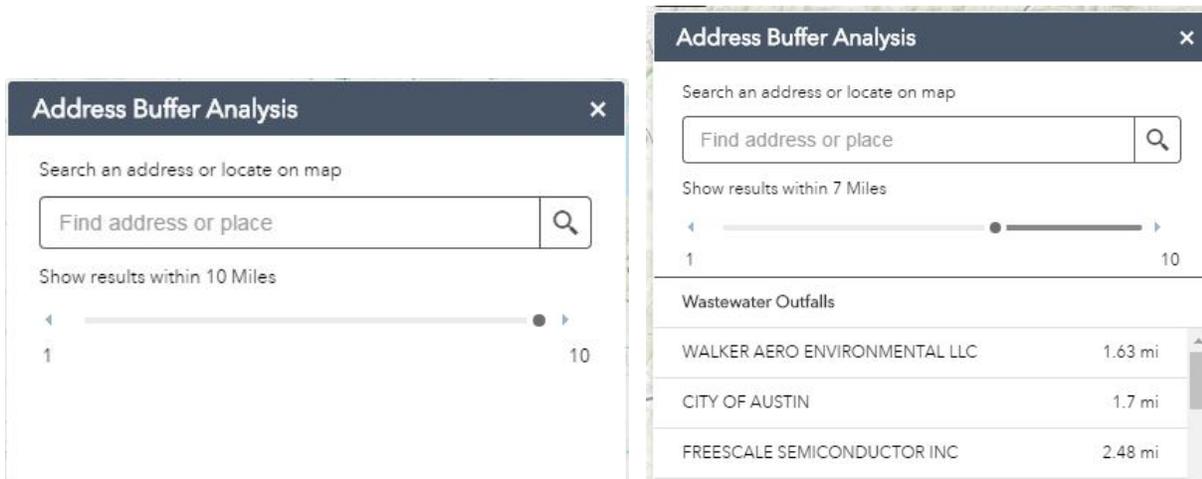
To delete the current sketch on the map, just click the Delete Sketch  icon.

To adjust the distance on the Buffer Distance indicator, enter a number in the text box below the slide bar, or click a point on the slide bar.



 **Address Buffer Analysis** – this tool allows you search for an address and draw a buffer around a point. You can set the buffer distance between 1 and 10 miles. Once the analysis is complete the Results window will list all permitted wastewater outfalls within the selected distance of the point, with the approximate distance between the indicated point and the permit location. The

Buffer Distance sliding bar works similarly to the slide bar in the Incidents tool.



Main Toolbar:

Measure Tool

- The Measure tool enables the user to measure point, linear, and area features on the map.
- To measure a feature, click on the **Measure**  tool on the main toolbar.



- The Measure window will appear as shown below.



- To close the window, click the  in the upper right hand corner. To collapse the window, click the  just to the left of the close button.

- There are three different ways to measure features on the map:



Area - Click this button, choose a unit of measure from the drop-down list, 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 Measure window.



Distance - Click this button, choose a unit of measure from the drop-down list, 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 Measure window.



Location - Click this button, choose a unit of measure from the drop-down list, then click a point on the map then move the mouse across the map. Result will display the coordinates for both the green indicator and cursor.

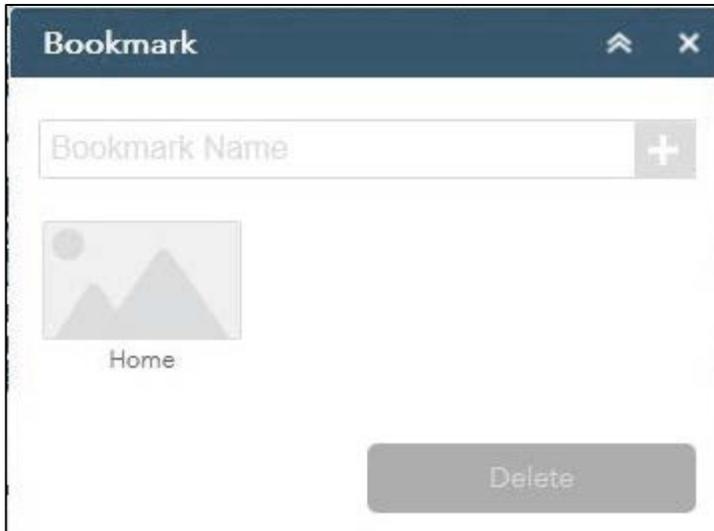


Bookmark Tool

- The **Bookmark** tool can be used to save a particular map extent (or zoom area). For instance, you may wish to zoom to a particular block or neighborhood, then create bookmark to save that extent to revisit later.
- To **create** a bookmark, click on the Bookmark tool  in the main toolbar.



- To close the window, click the  in the upper right hand corner. To collapse the window, click the  just to the left of the close button.



- Type in a unique name for your bookmark and then click the add button on the right. You can click on individual bookmarks to zoom to each unique view.
- To delete a bookmark, select the bookmark and then click delete



Layers:

- The **Layers** tool can be used to turn on and off data layers such as the wasterwater outfalls and the current query results
- Simply click the **Layers** button  in the main tool bar, then check or uncheck the data layers you would like to see.



- To close the Layers window, click the  in the upper right hand corner. To collapse the window, click the  just to the left of the close button.
- In the Layers window you can turn layers on and off by unchecking or checking the box next to the layer name.



- Expand the layer by clicking the small arrow to the left of the check box. Here you can see the layer symbology.
- Click the three dots to the right to set the layer transparency and drawing order.



Legend:

- The **Legend** tool shows the symbology for the selected layers that are set using the layers tool
- Simply click the **Legend** button  in the main tool bar



- To close the Layers window, click the  in the upper right hand corner. To collapse the window, click the  just to the left of the close button.

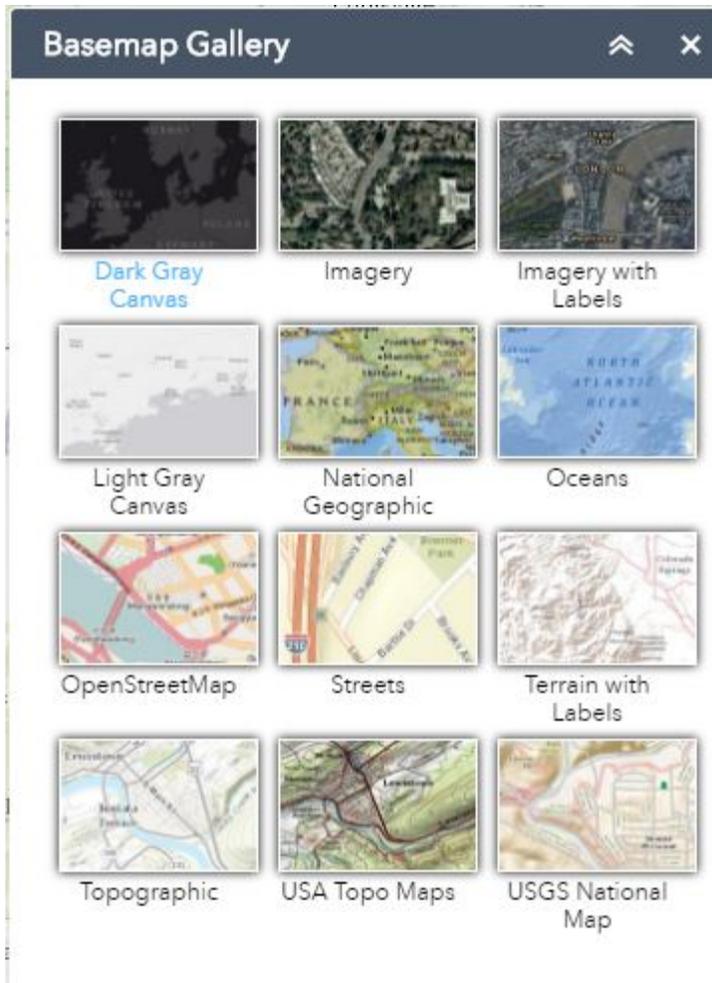
- The legend will only show those layers that are currently turned on using the layers tool.



Basemap tool:

- The **Basemap** tool can be used to change the background in the map viewer. The topographic basemap is the default basemap.
- To change the basemap, click on the Basemap tool  on the main toolbar, then select the basemap you wish to use.





- To close the Layers window, click the  in the upper right hand corner. To collapse the window, click the  just to the left of the close button.
- You may choose from twelve different basemaps. Note: Some basemaps (such as Open Streetmap) are not visible when zoomed in too close.

 **Print:**

- Use the **Print** tool  to save the current map to an image file. You may give it a customized title, select a layout and size, and format. Advanced features include ability to set map scale, pixel dimensions, and DPI.

Print Map
⤴ ⤵

Map Title:

Layout:

Format:

⚙️ Advanced ▾
🖨️ Print

Map scale/extent:

Preserve: map scale
 map extent

Force scale: [current](#)

Labels:

Show labels:

Layout metadata:

Author:

Copyright:

Include legend:

MAP_ONLY size:

Width (px):

Height (px):

Print quality:

DPI:

Search Bar – Type in an address or place into the bar to search for a location. As you type, you will be presented with similar matches. If you see your desired location appear, 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 or click the magnifying glass. You can click the X on the bar to clear out the search bar.

The following are some examples:

Addresses: 100 Congress Ave, Austin, TX

Place Names: Zilker Park

Counties: Travis County

Cities: Austin

Coordinates: 30.274598, -97.740374

Intersections: Parmer Ln and Lamar Blvd

Zoom Tools:



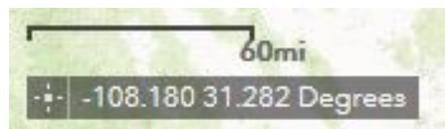
 **Zoom In** – Click this button once or multiple times to **zoom in** at fixed increments

 **Zoom Out** – Click this button once or multiple times to **zoom out** at fixed increments

 **Home** – Click once to return to the default extent

 **My Location** – Clicking this button will take you to your current location.

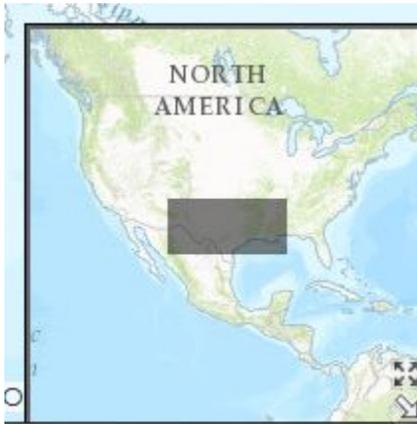
Coordinate Indicator:



- Click this  tool, then click anywhere on the map to obtain the coordinates in decimal degrees.

The tool will also show the coordinates of your current mouse position over the map.

Inset Map:



- **Click and drag** the gray box to reposition the main map.
- Click the four arrow box to zoom out  to the world map or to restore  the previous extent
- To close the overview map, click the white arrow  in the bottom right corner.