Public Water Systems, Lead Testing in Schools, and Child Care Facilities Viewer User Guide

Application Overview

This viewer displays:

- schools and child care facilities that have completed testing through the Lead Testing in School and Child Care (LTSCC) Program,

- all public schools in Texas, and

- water service boundaries.

Child care facilities permitted through Texas Health and Human Services can be found using [Search Texas Child Care](#).

All community public water systems must submit a list of all schools and child care facilities they serve to TCEQ by November 1, 2027. Each system is responsible for the creation, maintenance, and accuracy of their list. Systems can use this viewer to help create their list, but this information is not exhaustive and should not be the only resource used.
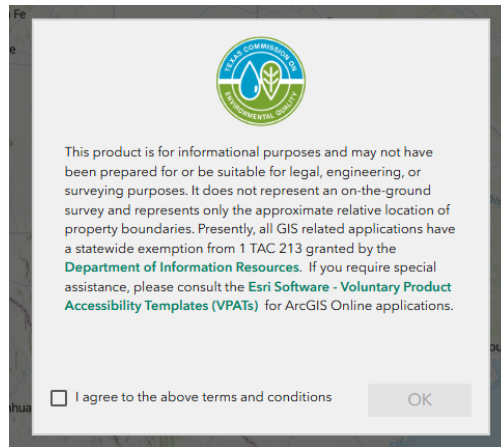
Contents

Navigating Around the Map

Splash Screen Pop Up:

When first accessing the Viewer, you will see a pop-up that includes disclaimer information on the intended use of the application. Users must select the checkbox next to "I agree to the above terms and conditions" and then the "OK" button will be selectable. Click the OK button to exit the window and continue to view the application.
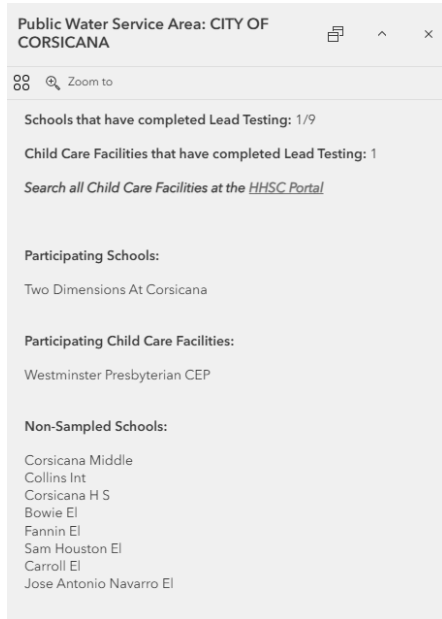

Viewer Header:

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, the Viewer's User Guide, and the link to the Public Results Portal. A version number may also be displayed to assist version control for developers.
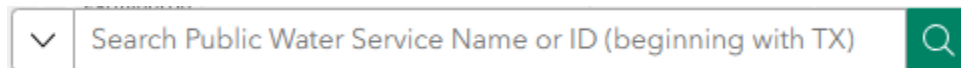
Data Pop-Ups

When a Public Water Service Area is selected, either by manually clicking on a feature or through using the <u>Search Bar</u>, the pop-up appears which includes the number and names of Schools and Child Care Facilities that have completed lead testing, as well as the total number of schools and names of the schools which haven't completed sampling in the Service Area. It also includes the link to the HHSC Portal to search for Child Care Facilities by location for purposes of collecting the lists of child care facilities in an area.
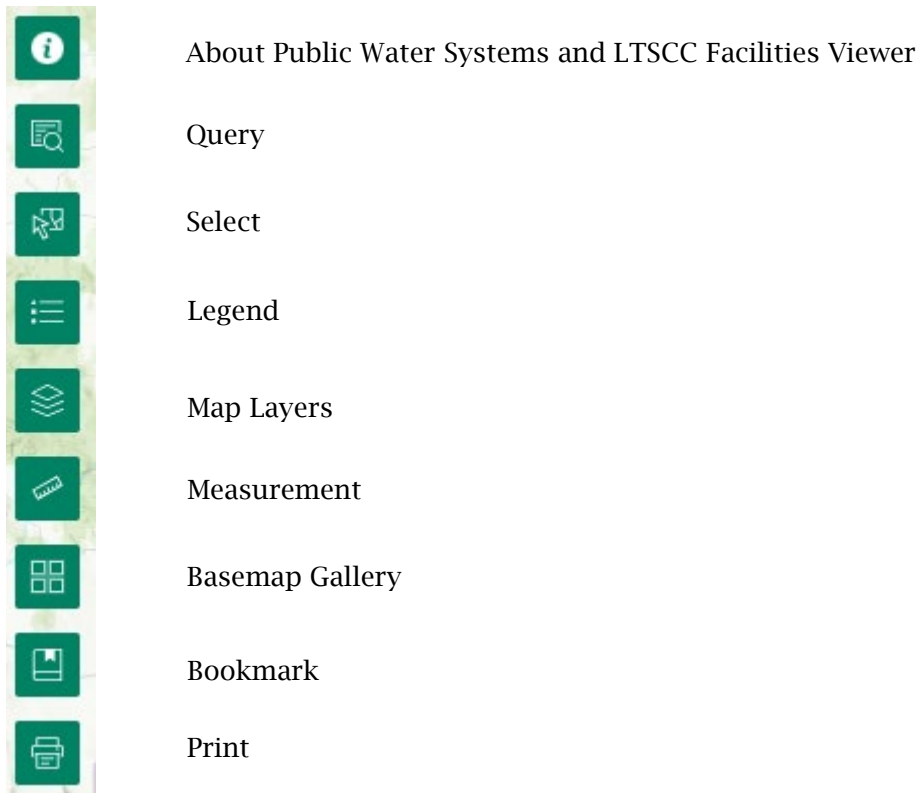

Search Bar:

- Type in an address, Public Water Service Area, or PWS ID 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 **Clear** icon on the bar to clear out the search bar.

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

- Public Water Service Name: Lubbock Public Water System
- Public Water Service ID: TX1880001
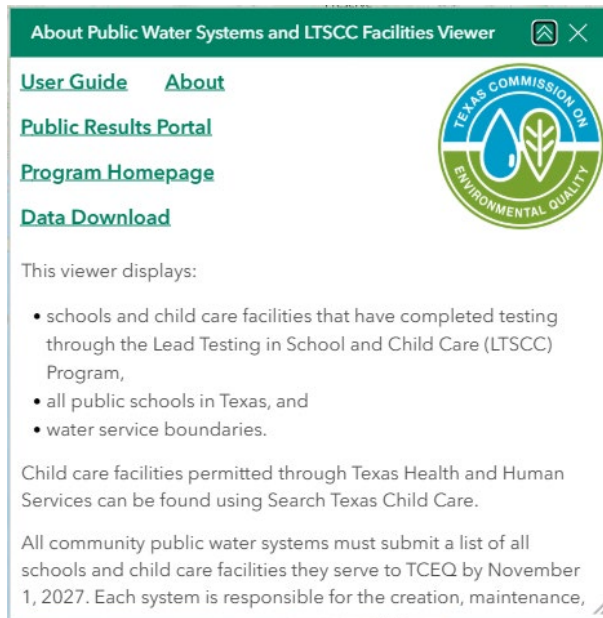- Address: 17041 El Camino Real, Houston, TX, 77058

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.

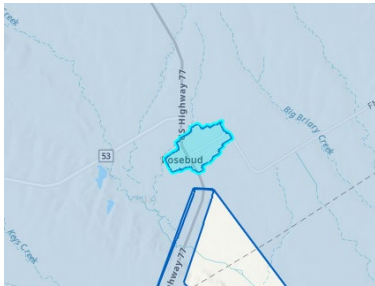About Public Water Systems and LTSCC Facilities Viewer

Query

Select

Legend

Map Layers

Measurement

Basemap Gallery

Bookmark

Print

About Public Water Systems and LTSCC Facilities Viewer

- The **About** widget provides users with essential information regarding the application, including its purpose, user guide, data sources, and any credits or acknowledgements related to the content.

- To use the **About** widget, click on the **About Public Water Systems and LTSCC Facilities Viewer** icon in the widget controller

- This opens a description of the application and the links to the user guide, landing page, public results portal, program homepage, and data download page in the GIS data hub. It also includes the contact email address.
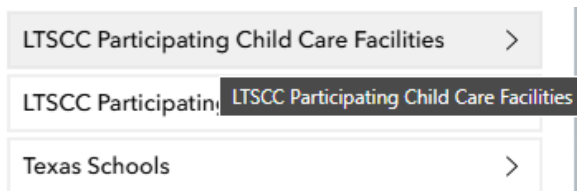
- To close the window, click **Close** ☒ in the upper right-hand corner.
- To collapse the window, click **Collapse** ⌃ just to the left of the close button.

Query

- This widget is one of the two methods for compiling the lists of LTSCC Program Schools, LTSCC Program Child Care Facilities, and all schools in a Public Water Service Areas
- The **Query** widget allows you to retrieve information from a data source by running a spatial filter query.
- To run the queries, ensure a Public Water Service Area feature is selected. This can be achieved through the search bar or manually clicking on a desired feature on the map. A feature that is selected is highlighted in teal

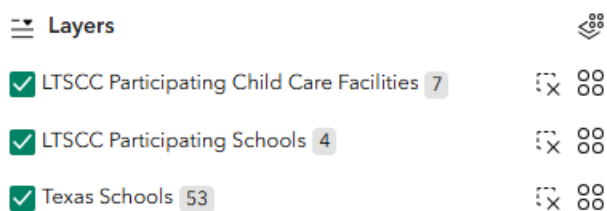- Open the **Query** widget by clicking on the **Query** 🔲 icon in the widget controller.
- Select one of the following query layers: LTSCC Participating Child Care Facilities, LTSCC Participating Schools, and Texas Schools.
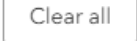

- Once selected, simply click the **Apply** Apply button. The query is already configured to see which features in a given layer intersect with the selected Public Water Service Area.
- The results will show the number of features displayed and generate a list of the features within the Public Water Source Area.
- To export the list and the attributes, click on the **Actions** ⊞ button in the upper right corner of the window
- Hover over the **Export** option to export the data to different formats, including CSV, JSON, Shapefile, FGDB, GeoJSON, or KML.
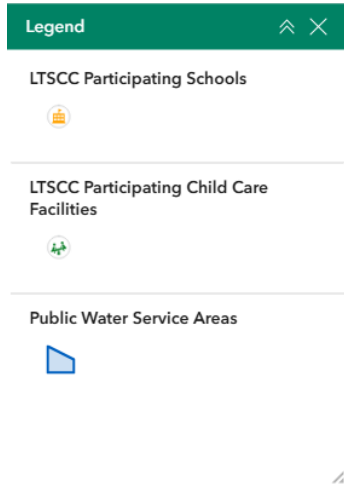
Select

- This widget is one of the two methods for compiling the lists of LTSCC Program Schools, LTSCC Program Child Care Facilities, and all schools in a Public Water Service Areas
- The **Select** widget allows users to select features directly on the map
- To select features in the LTSCC Participating Child Care Facilities, LTSCC Participating Schools, and Texas Schools layers, ensure a Public Water Service Area feature is selected. This can be achieved through the search bar or manually clicking on a desired feature on the map. A feature that is selected is highlighted in teal
- To select a feature or features, click on the **Select** ⬚ widget in the widget controller
- To enable selecting, click on the **Select** ⬚ icon in the upper left corner of the window
- Once enabled, simply click the **Apply** ⬚Apply button. The Select by data is already configured to select features in each layer that are contained with the selected Public Water Service Area.
- After applying the selection, the number next to the layers in the Select window will show how many features are selected in each layer.

- To clear the selection click **Clear all** ⬚Clear all in the upper right corner of the window or **Clear selection** ⬚✕ next to the layer.
- To export the features to a table, click on the **Actions** icon ⬚ beside each layer.
- Hover over the **Export** option to export the data to different formats, including CSV, JSON, Shapefile, FGDB, GeoJSON, or KML.
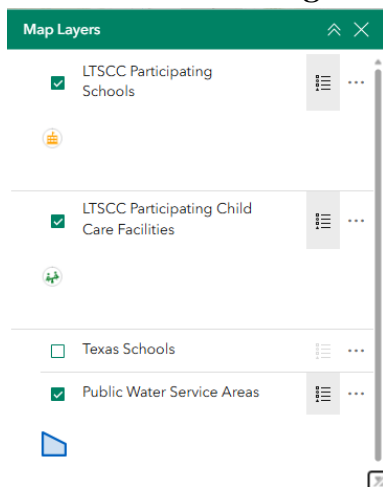
Legend

- The **Legend** widget shows the symbols for the various layers on the map.
- Click the **Legend** button in the widget controller

Layers

- The **Layers** widget can be used to turn on and off data layers such as the Surface Water Intake and the current query results.
- To **view** the layers, simply click the **Layers** button in the widget controller.
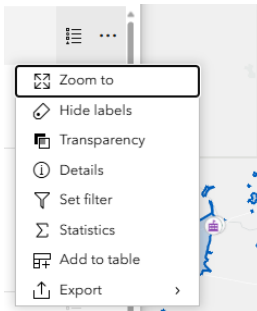- Then browse through the available layers.

- To **Toggle the layer visibility**, locate the layer in the list and click on the checkbox next to the layer name. This toggles the visibility on and off the map.
    - o Texas Schools are toggled off by default.

- **Expand** the layer by clicking the small arrow to the left of the check box. Here you can see the layer symbology.
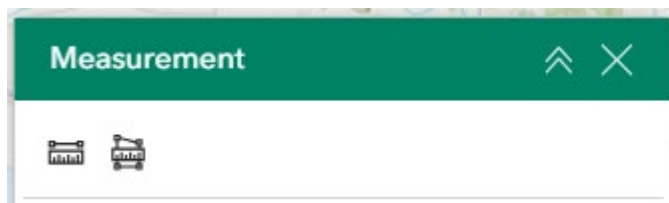
- To **Zoom, order, hide labels, change transparency, get details, set filter, statistics, add to table, and export** the layers, click on the **options** button ⋯ and select the desired option.

Measurement

- The Measurement widget enables user to calculate the area, and distance directly on the map.
- To measure a feature, click on the **Measurement** widget in the widget controller.
- The Measurement window will appear as shown below.

- There are <u>two</u> different ways to measure features on the map:

  Distance - Click the button with a line (first from the left), choose a unit of measurement 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.

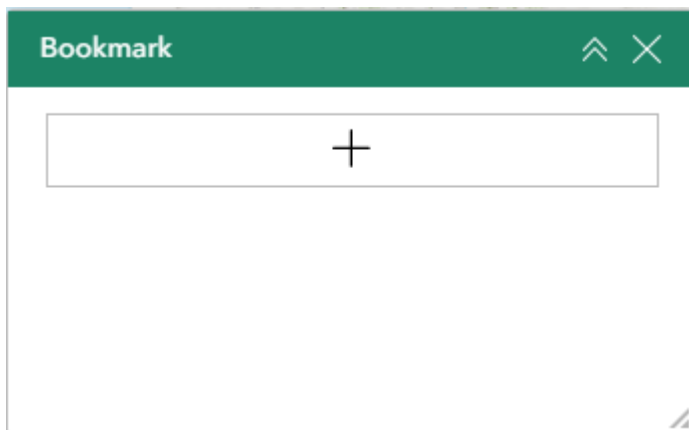Double-click to end. Results will appear in the Measurement window.

⛟ **Area** - Click the button with a polygon (second from the left), 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 Measurement window.

- To clear the measurement, click the **Trash** icon 🗑 or **New Measurement** [New measurement].

Bookmarks

- The **Bookmark** widget enables users to navigate to predefined map locations.
- To Create a bookmark, navigate to the desired map extent and click on the **Bookmark** widget 📑 in the widget controller.
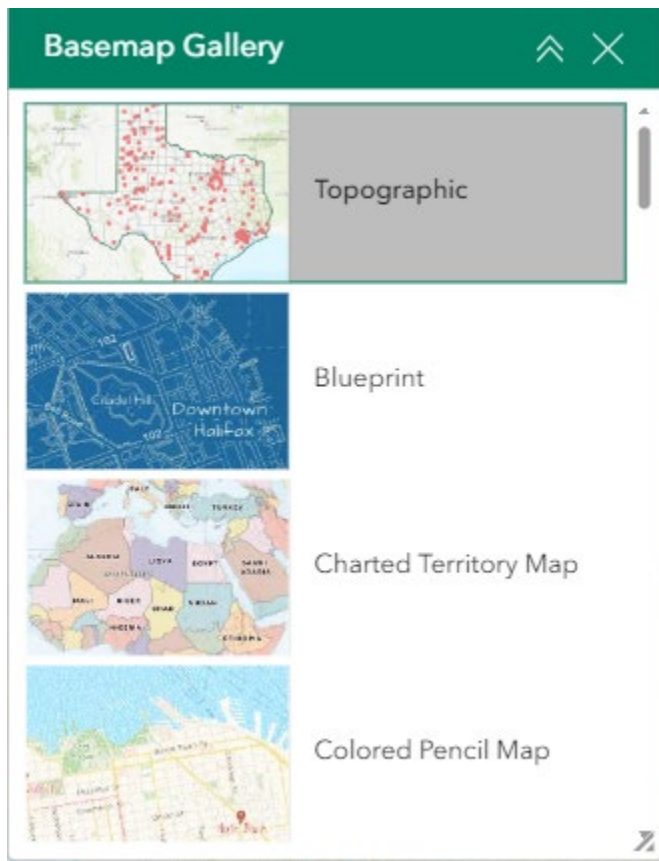- Click on the **Add Bookmark** ✛ icon in the window.

- Click on the name of the bookmark to rename it. Click on the **Delete** 🗑 icon on the right to remove the bookmark.
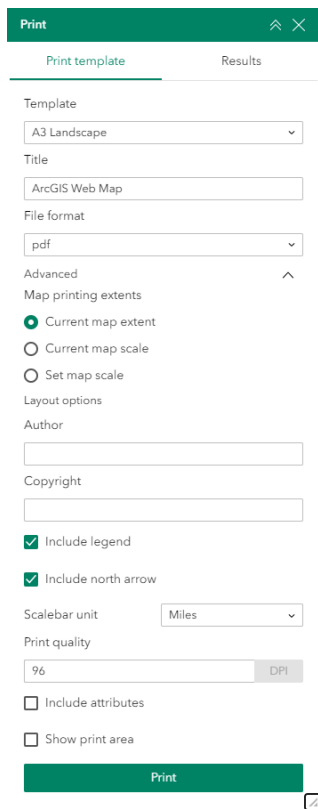
Basemap Gallery

- The **Basemap Gallery** widget 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 Gallery** widget ⊞ on the widget controller, then select the basemap you wish to use.

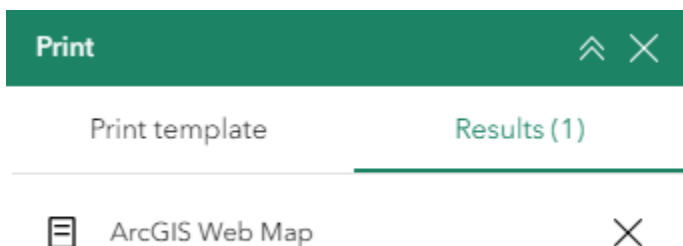- You may choose from thirty-four different basemaps.

Print

- Use the **Print** widget to save the current map as a pdf file. You may give it a customized title, choose the format, and select a layout and size. Advanced features include ability to add map scale, author, copyright, north arrow, and legend. You may also set the map extent and printing quality.

- After clicking print, the results will show in the results panel of the Print window.

Attribute Table:

To view the attribute table, click on the green **Expand** arrow [^] at the bottom of the viewer. The attribute table will expand. To collapse the attribute table, click on the green **Collapse** arrow [v] at the top of the table.

Age Served	Facility Name	Facility Type	Number of Initial Out...	Operation No. or Sch...	Physical Address	Public Results Portal
PK to 05	Waco Charter School	School	1	161801101	615 N 25th St Waco, TX 76707	View Results by Searching Facilit...
EE to 05	Challenge Academy (3805 S 3R...	School	25	15907158	3805 S 3Rd St Waco, TX 76706	View Results by Searching Facilit...
EE to KG	Connally Early Childhood Center	School	3	161921106	100 Bb Brown Waco, TX 76705	View Results by Searching Facilit...
01 to 03	Connally Pri	School	15	161921101	100 Little Cadet Way Elm Mott, ...	View Results by Searching Facilit...
PK to 05	Harmony Science Academy - W...	School	13	161807001	1900 N Valley Mills Dr Waco, TX ...	View Results by Searching Facilit...

Total: 11 | Selection: 0

Records in the attribute table filter automatically based on the map extent. To view all the features in the map at any extent, click the **Filter by connected map extent** [icon] icon.

Please note that the data for the Texas Schools come from the TEA's published GIS data and the Public Water Service Areas data come from the TWDB's published GIS data. Any missing columns/information for those records are not the responsibility of the TCEQ GIS Team.

Map Tools:

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

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

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

 Default Map View – Click the **default map view** button once to return to the default extent

 Find My Location – Click the **find my location** button to 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 window, above the scale bar. The coordinates automatically update to the location of the cursor in the viewer window.

  -96.404 28.658 Degrees

- To get the coordinates of a particular location on the map, click on the **Enable clicking the map to get the coordinates** icon.

- Click on the map to create a **marker** . The coordinates widget will update with the coordinates of the marker.

  -96.154 28.918 Degrees

- You can copy the coordinates of the marker by clicking the **Copy** icon.

Overview Map

- The **Overview Map** tool provides users with a smaller navigational map that offers an overview of the entire map or application. It helps users quickly locate their position within the larger map and navigate more efficiently.

- To use the **Overview Map** tool, click on the **Overview** arrow located in the upper-right corner of the map, directly below the **header bar**.

- A small map will appear, displaying your current view within a larger extent.

- To pan, click and drag the dark grey rectangle within the overview map to adjust your location.

- To collapse the small map, click on the **Overview Map** arrow again.

Contact Us

Contact the Lead Testing in School and Child Care Program at
ltscc@tceq.texas.gov