

Smart Growth Dallas

TRAINING GUIDE

GETTING THERE

- Web Link: https://web.tplgis.org/Smart_Growth_Dallas/
- Password protected site: <https://web.tplgis.org/dallassmartgrowth/viewer/>

THE BASIC MOVES

- Change the viewer extent
- Change the map background
- Additional map layers
- Get information about specific features
- Add graphics to your map
- Print a custom map
- Add bookmarks
- Get help

Smart Growth City

- Map analysis results
- Display parcels and run reports
- Group Parcel Selection
- Query data
- Scenario weights



GETTING THERE

- Web Link
 - Use the following link to connect to the Climate Smart City Richmond Portal Page
https://web.tplgis.org/Smart_Growth_Dallas/
 - Use the following link to connect to the Climate Smart City Richmond online mapping site:
 - <https://web.tplgis.org/dallassmartgrowth/viewer/>
 - **Note: Mozilla Firefox and Google Chrome works best for this mapping site. Internet Explorer version 7 or higher also works well.**
- Password protected site

Secure | <https://web.tplgis.org/dallassmartgrowth/>

Smart-Growth Dallas Login

To gain access to this application contact:
GIS Support at The Trust for Public Land

Enter your user name and password to log in.

User name:

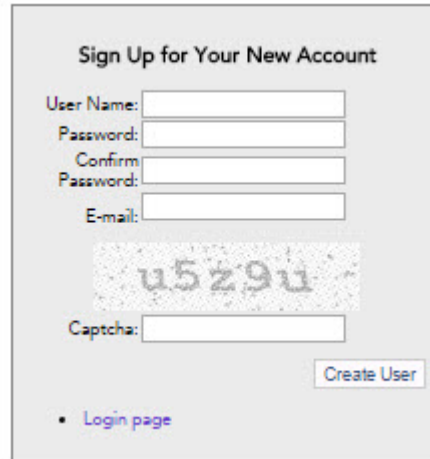
Password:

☐ Remember my login

Login

[Create a new account](#)
[Recover your password](#)
[Contact TPL GIS Support](#)

- A username and password is required to access the site. You can create your own account. The only requirement is a valid email address.
- When you click on the "Create an Account" link, you will be taken to a "Create a Login website



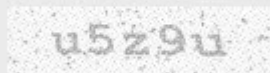
Sign Up for Your New Account

User Name:

Password:

Confirm Password:

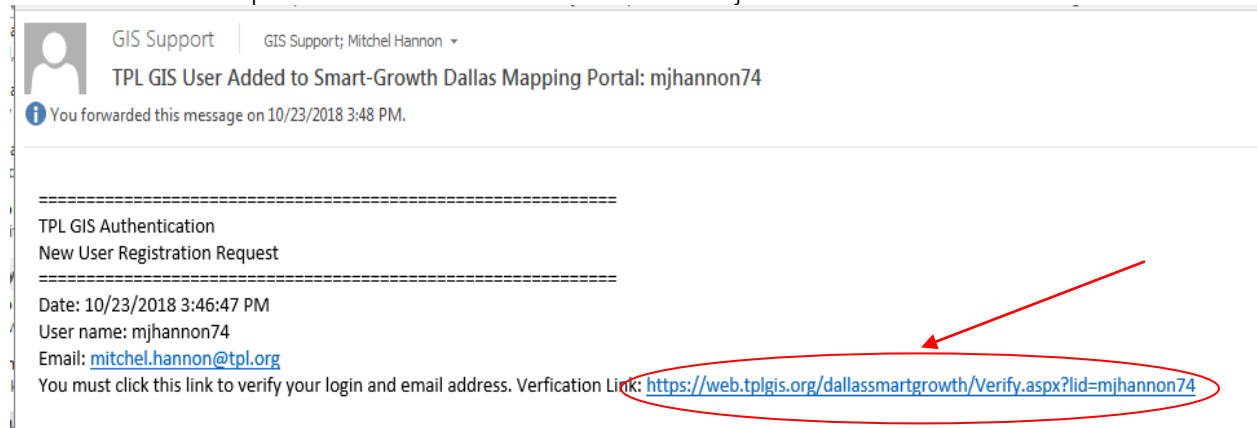
E-mail:



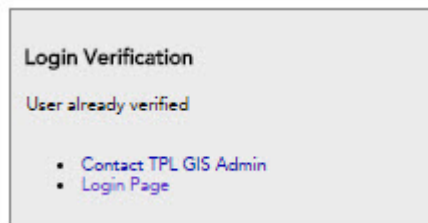
Captcha:

• [Login page](#)

- Once you fill out the fields, and click on "Create User" you will receive a validation email from a GIS Support email address. You must click on the link in the email to verify your account. Once you verify your account, your individual username and password can be used to access the Project Assessment Tool.



- After you click on the link, you will be taken to an account verify screen confirming your account is verified. Click on Login Page from this screen or from the Project Assessment Tool link on the landing page to enter your credentials and access the site.





Login Verification

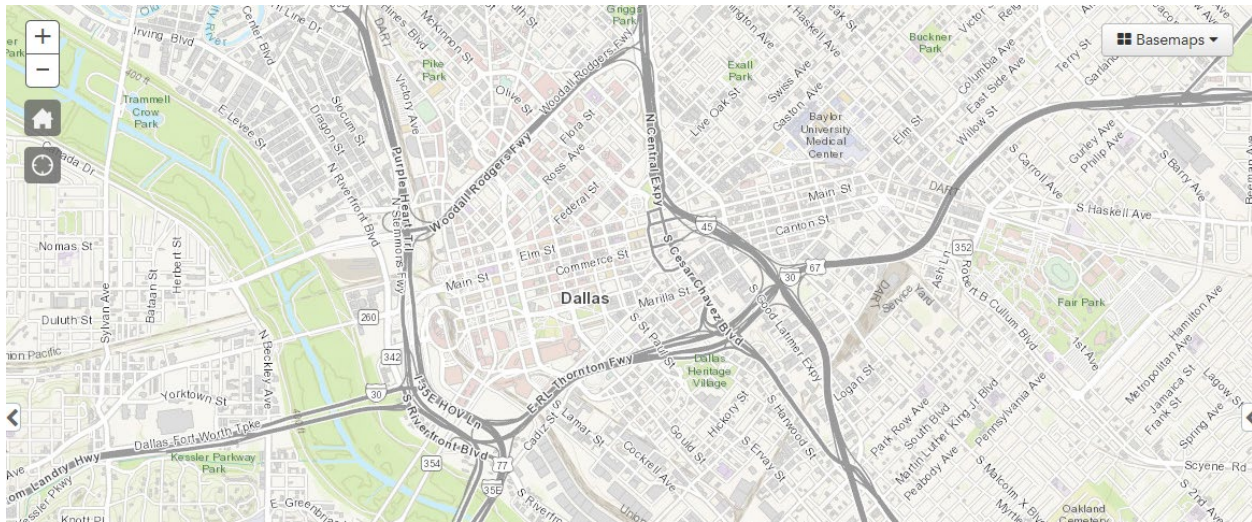
User already verified







- [Contact TPL GIS Admin](#)
- [Login Page](#)

- Contact Mitchel Hannon at The Trust for Public Land, Geographic Information Systems team (mitchel.hannon@tpl.org) for assistance.

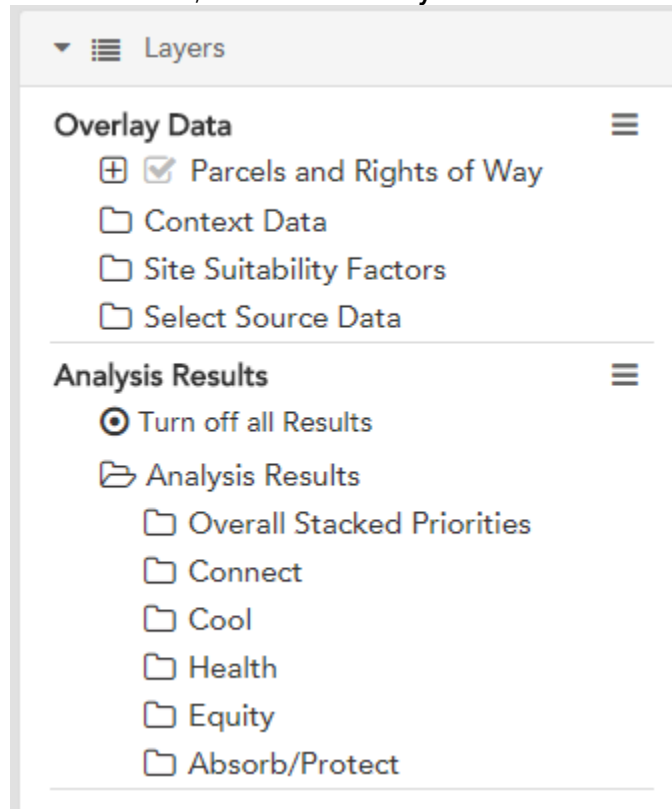
THE BASIC MOVES

- Change the viewer extent
 - Click the (+) sign to zoom in.
 - Click the (-) to zoom out
 - To zoom in to a particular area hold down shift, click your mouse on one corner of the desired extent, and drag your mouse to the opposite corner of the desired extent.
 - Click and drag your mouse to the right or left to adjust the view
 - As you change the viewer extent the map detail changes. As you zoom in the map becomes more detailed.
 - Click the  button to return to the original extent.
 - Click the  button to show your location on the map

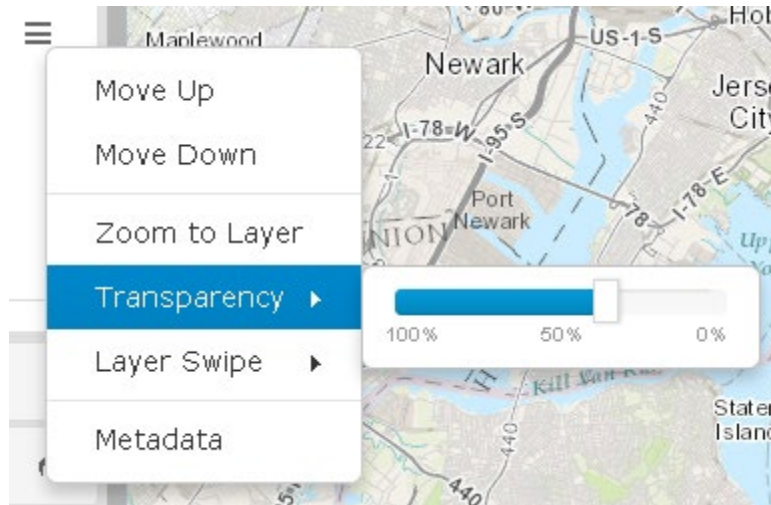


- Change the map background
 - Click the  Basemaps dropdown menu in the upper right of the viewer.
 - A drop down panel will appear. Click the small box next to the basemap you desire. Feel free to experiment with different basemaps. Note that you can close this panel at any time by clicking  Basemaps again.
- Additional map layers
 - On the left side panel there are a number of options available. If you click on  Layers you will see all the layers in the viewer. These layers are categorized.
 - At the top of the layers list there is an option to turn off all results layers. If at any point you would like to remove all the results click this.
 - Each  symbol indicates that there are multiple layers grouped under that heading. Click the  to expand and see what layers there are.
 - Click  to show the symbology for an individual layer.

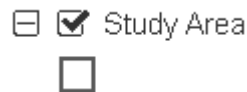
- On the LAYERS tab, locate the **Overlay Data** section.



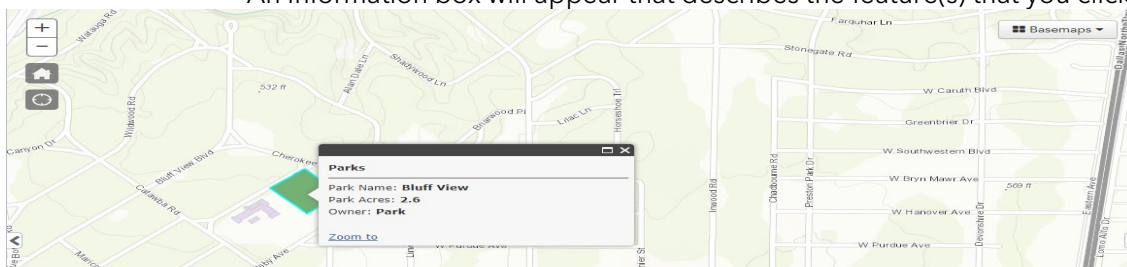
- Click the folder icon to the left of "Context Data" to open this group of overlay data. Click the box to the left of "Parks". A check mark will appear in the box next to these layers, and each layer will now draw on the map.
- Click the box to the left of "Parks" again to remove this data from your map. The check marks will disappear in the corresponding boxes.
- Click the box again to re- add this data to your map.
- Click on the hamburger menu icon to use the Transparency slider to change the transparency of the overlay data so that you can see mapped features underneath the overlay data. Click the rectangular tab on the slider and hold the mouse down to drag it to the left or right.



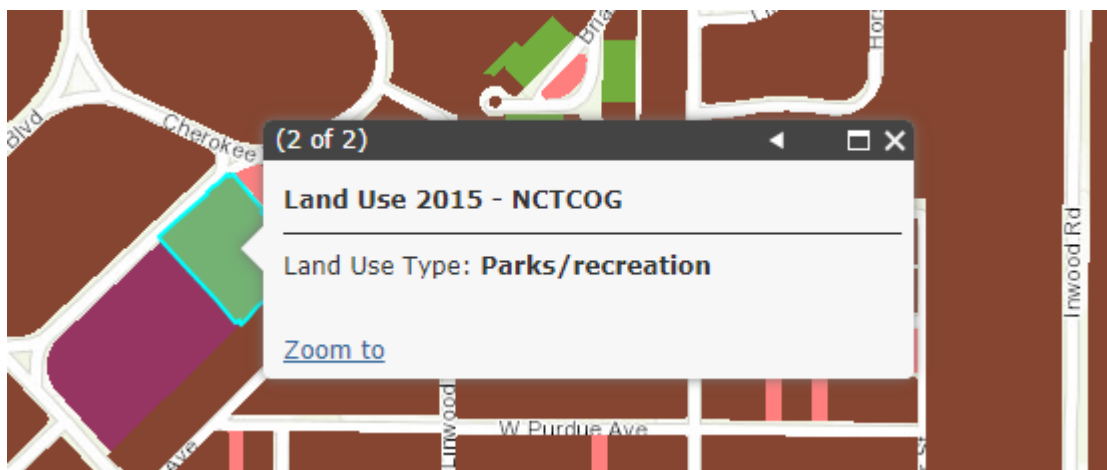
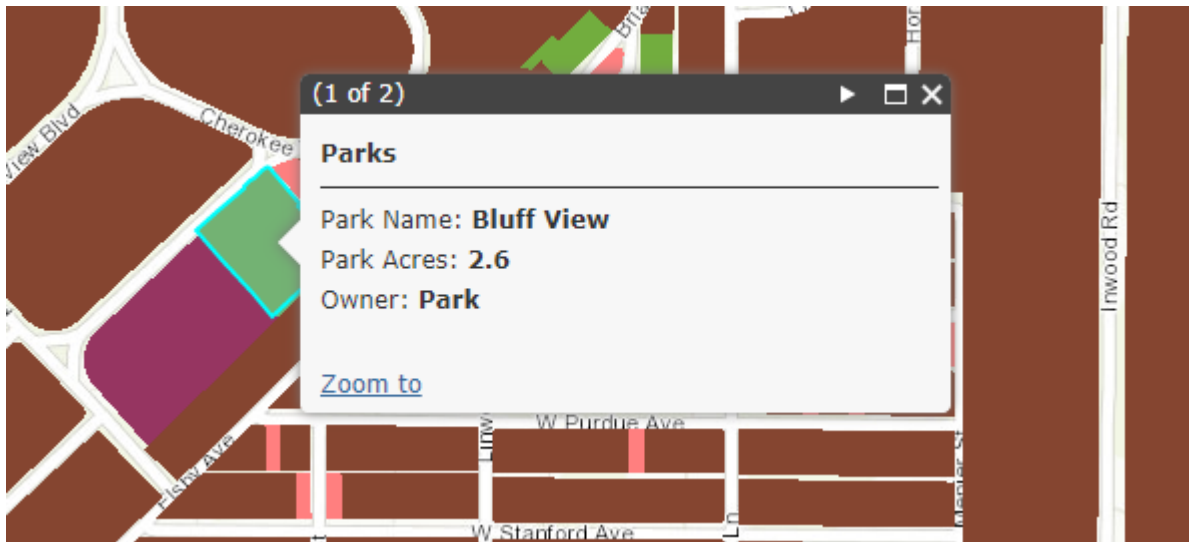
- Experiment with different transparency levels. Notice that the transparency level of all overlay data changes as you change the transparency level.
- In this same drop down menu you can turn on all the overlay layers, turn them all off, zoom to the layers, and layer swipe.
- If you hover your mouse over the Layer Swipe you can either choose vertical or horizontal.
 - A bar will appear in the viewer and you can slide it up/down or right/left depending on if you selected vertical or horizontal. Sliding this bar will show you what the map looks like with or without the data.
- Click the plus box to the left of "Context Data" to open this group of overlay data. Click the box to the left of "Study Area".
- To review the meaning of the colors and symbols displayed on your map, click the button next to the layer name.



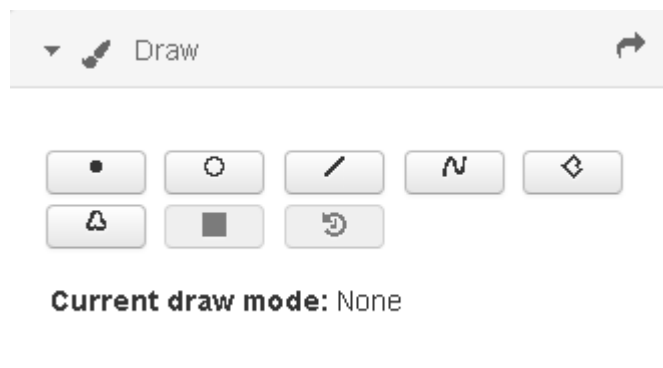
- Get information about specific features
 - Turn on the Parks layer.
 - Click on the map.
 - An information box will appear that describes the feature(s) that you clicked.




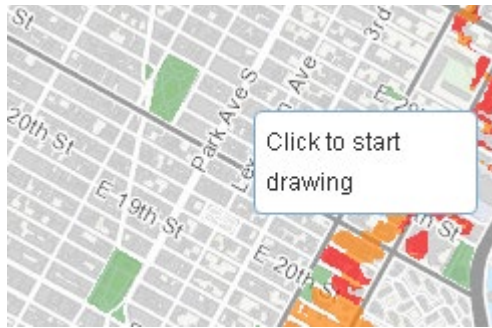
- Note: If you have multiple layers on the one that is highest in the table of content will be identified.**
- If there is a in the info box title you have identified multiple features. Click to view information on the other selected.





- Add graphics to your map
 - Click the DRAW tab on the left panel to add graphics to your map.

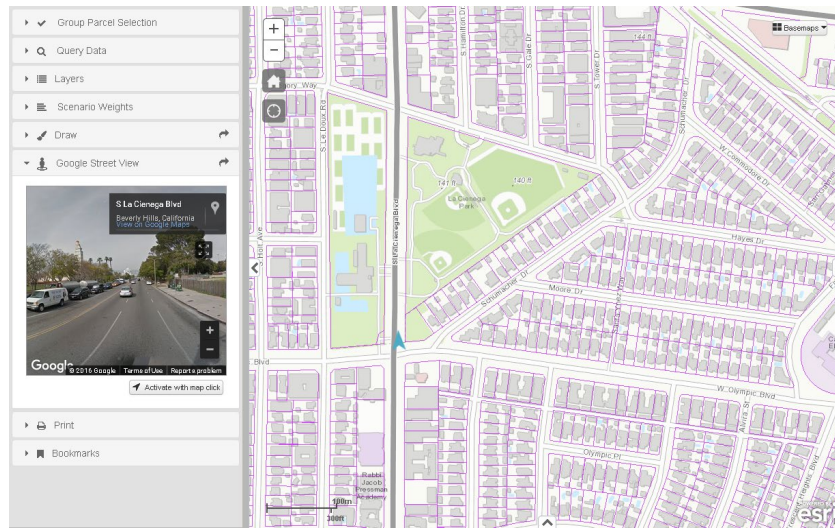


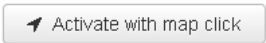
- To sketch a polygon on your map, click the  button.
- Begin sketching a shape on your map by clicking on your map. Double click to finish the sketch.

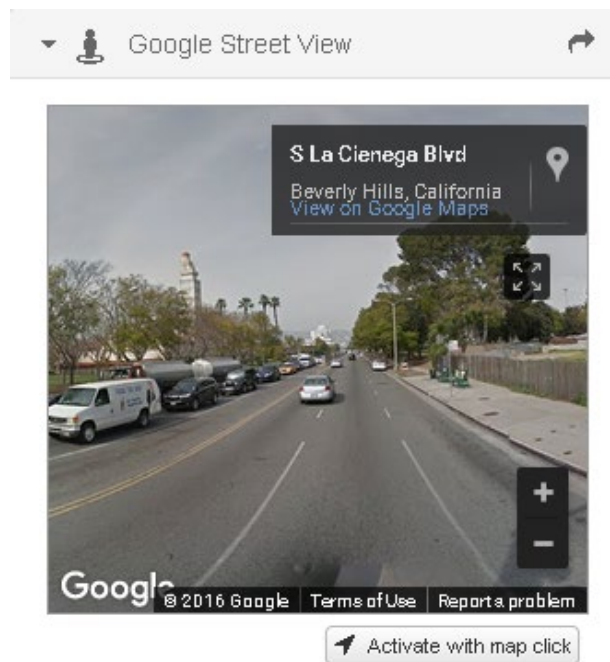


- You can also add text, points, lines, circles, and freehand polygons to the map by using the other draw buttons.
- If you want to change the graphics, use the  button, and recreate the graphics using the methods described above.
 - **Note: This action will erase all your drawings**
- To stop drawing click the  button

- Google Street View

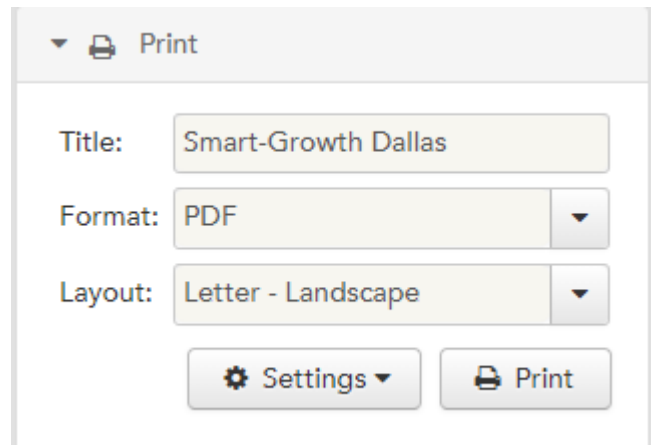



- Open the GOOGLE STREET VIEW tab.
- Zoom into an area on the map that you would like to see in Google Street View.
- Click  to see the location you chose on the map.



- You can choose other locations to see in Google Street View by clicking on another location on the map.

- Print a custom map
 - To print a custom map that reflects the data and zoom level that you have chosen above, click the PRINT tab on the left panel.






▼  Print

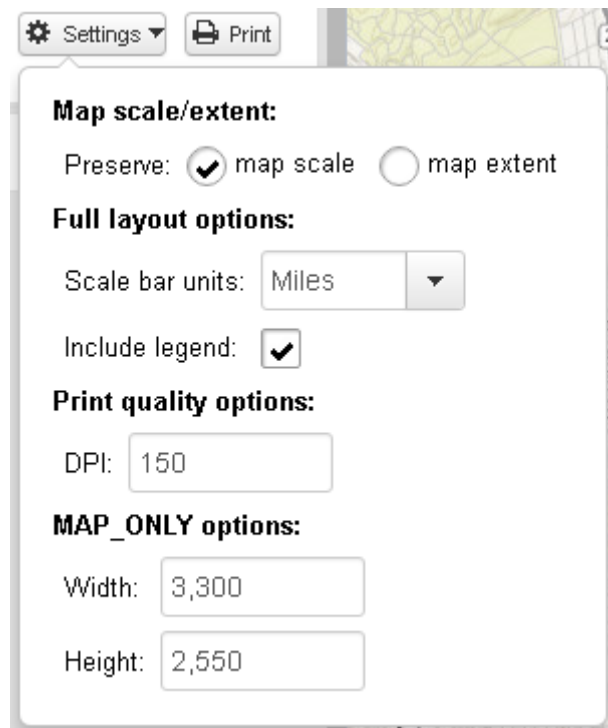
Title:



Format: ▼

Layout: ▼

 Settings ▼  Print

- Enter a title for your map in the space provided.
- Choose the format and layout you would like.
- Click  Settings ▼ to make other adjustments to your printed map.



 Settings ▼  Print

Map scale/extent:

Preserve: ☒ map scale ☐ map extent

Full layout options:

Scale bar units: ▼

Include legend: ☒


Print quality options:



DPI:

MAP_ONLY options:

Width:



Height:

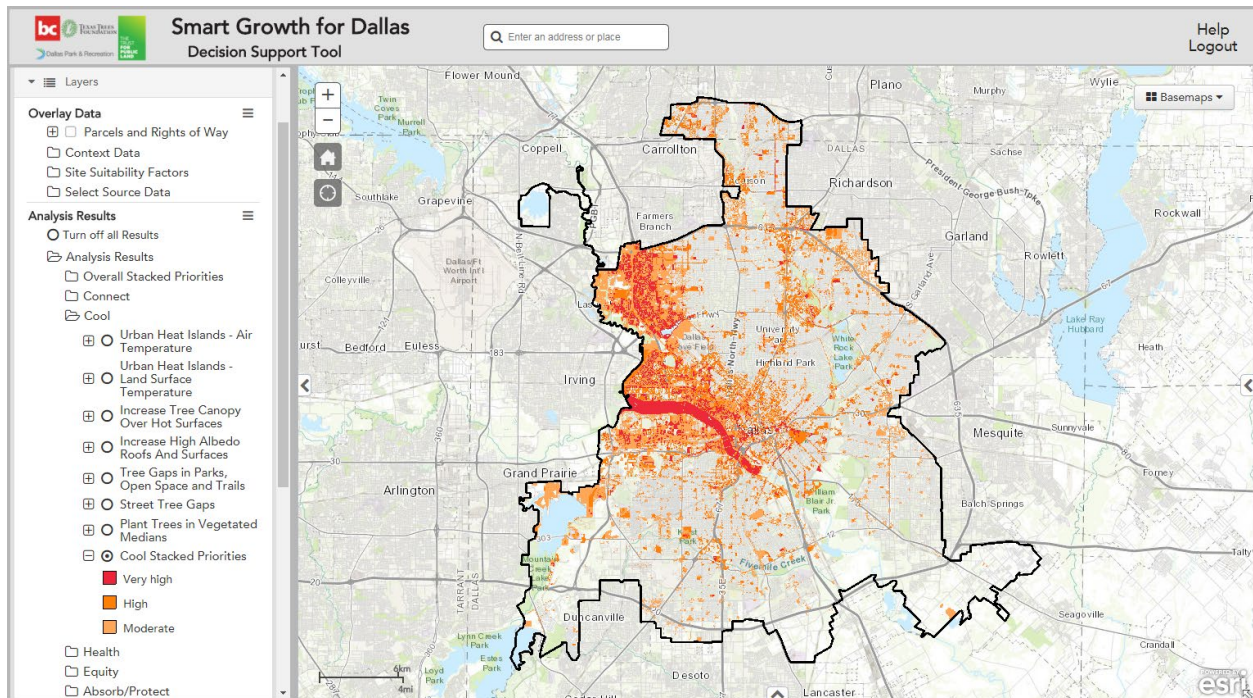
- Click the  Print button once you have completed the above steps.
- Be patient while the mapping site generates a map for you. This process can take up to a minute.
- In the PRINT tab a file will appear once the export is complete. Click on the link to open your map.

- An 8.5 X 11 formatted map will be displayed that you can print or save to your computer hard drive to share with others.
 - Close the export window.
 - Return to original map
 - Click the  button at the top left of your map to reset your map extent, click the  in the layers area, and select "Turn Off All Sublayers".
- Add bookmarks
 - Open the BOOKMARK tab to add an easily reference location. Bookmarks provide shortcuts to select locations on your map.
-
- To add a bookmark zoom to the desired extent and click **Add Bookmark** . Enter a title for the location. At any point you can open the Bookmark tab and revisit your bookmarks.
- Get help
 - Click the **Help** button at the top left corner of your map for a copy of this user guide and tutorial.
 - Still need help? Send an email to mitchel.hannon@tpl.org

Smart Growth City

The Smart Growth Dallas project delivers on the commitment of the Trust for Public Land to assist the City of Dallas and surrounding areas in meeting climate change related sustainability goals. During this project, we worked with dozens of local experts, who comprise the Technical Advisory Team, ranging from City planning staff, public health experts, local academic and research institutions, and community leaders in developing a data-based Geographic Information System (GIS) decision support tool that gives decision makers the ability to identify and prioritize locations, down to the parcel level, where nature-based green infrastructure can achieve multiple benefits.

- Map analysis results
 - Click the LAYERS tab to the left of the map.
 - Find the section labeled **Analysis Results**.
 - Click the  to the left of the section "Cool Results" to expand the list of layers under this heading.
 - Click the small circle to the left of "Cool Priorities" to display this layer on your map.
 - Click the  next to the layer name for a description of the colors displayed on your map. The darker the red, the higher the priority.



- Display parcels or modeled ROW features and run reports

NOTE - This application includes reporting and query capabilities associated with both ownership parcels and modeled rights-of-way (ROW) features. The modeled row features represent areas not included in the parcel ownership data but are typically managed by government entities and often provide green infrastructure opportunities.

- Turn on the “Parcels and Rights of Way” layer that’s in the Overlay Data section. Parcels are scale dependent and will only appear once you have zoomed in.
- Once zoomed in and viewing the parcels click on a parcel to find out more information on it.

Create Profile Report

Criteria

Parcel Information

Account: 192574000000

Property Class: MFR - DUPLEXES

Building Class: undefined

School District: DALLAS ISD

Owner: COPLIN JANET C &

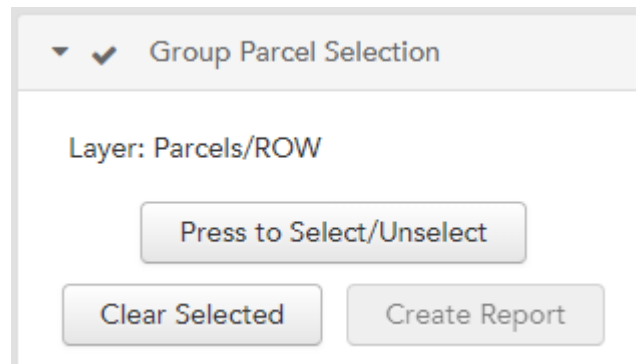
Publicly Owned: 0

Zoom to

- You can create a Parcel Profile Report on individual parcels by clicking **Create Parcel Profile Report**. A Parcel Profile Report provides a detailed characterization of all modeled Smart Growth priorities and filtering criteria for an individual parcel.
- A download window will open. Click "Download File" to obtain the report.



- Group Feature Selection



- You can select parcels as well as modeled ROW features. To choose the features you want to select, click the "Press to Select/Unselect" button. Begin clicking on parcels or ROW features to select them. You can either select an individual feature or a group. If you wish to unselect a feature click it again and it will be removed from the selection.
- You can clear the selected feature at any point by clicking the "Clear Selected" button.
- You can create a report on up to 20 features by clicking "Create Report".
- A download window will open. Click "Download File" to obtain the report.



- Query data
 - You can query the Parcels and modeled ROW layers by opening the Query Data tab.

Query Data

Layer: Parcels (max record return = 5000)

By Value By Location

Select a Field ▶

Account

Logical Operator: like Query Value:

Add Condition

Query Conditions:

☒ Include ROW Parcels

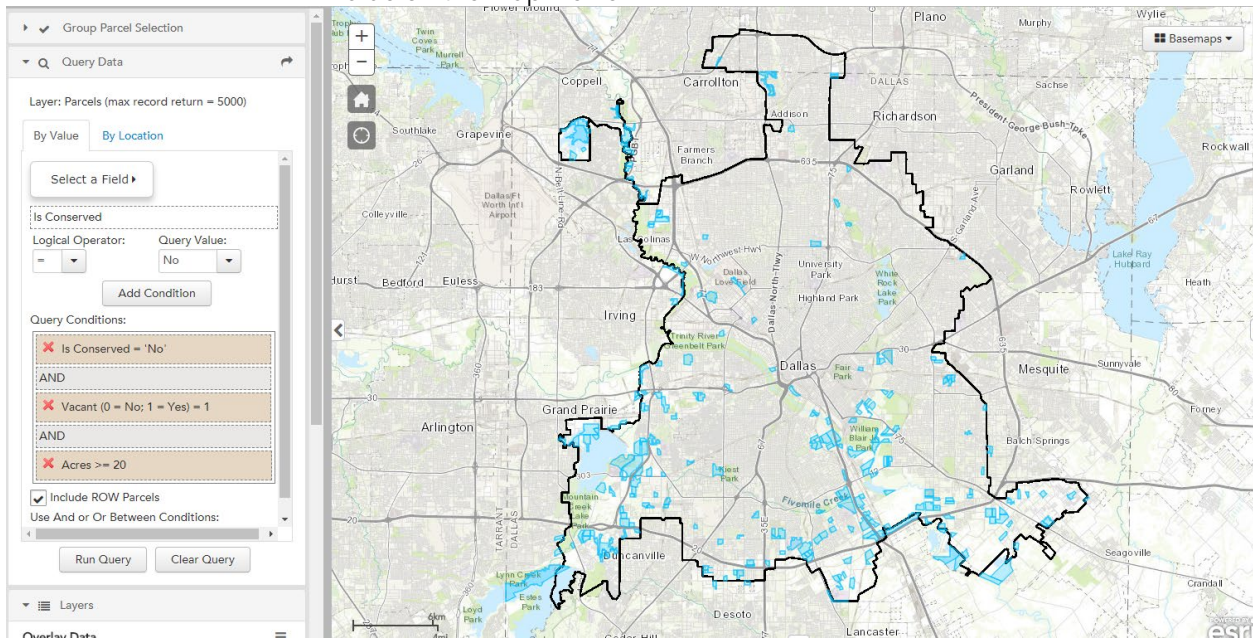
Use And or Or Between Conditions:

☒ And ☐ Or

Run Query Clear Query

- You can clear a query at any point by clicking the  tab.

- The Parcels and Rights of Way that match that query will be highlighted in blue on the map viewer

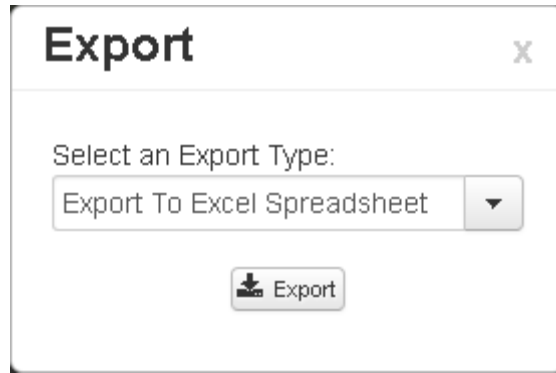


- A table will open at the bottom of the viewer showing you the parcels that fit your query.

Query Data 1 [x]								
Zoom Clear Info Parcel Report Export								
Account	Block	Intersection Name	Owner Name	Acres	Property Class	Building Class	School District	Publicly Owned (0 = No; 1 = Yes)
	DALLAS NORTH TOLLWAY NB 8558			10.4				
	DALLAS FT WORTH TPKE WB 30072			15.5				
	DALLAS FT			11.0				

1 - 100 of 5000 results


- You can either export this data as an excel/csv file or create a pdf report for the queried parcels. Note - you can only create a PDF report if less than 20 parcels or ROW features are selected.



Export x

Select an Export Type:

Export To Excel Spreadsheet ▼

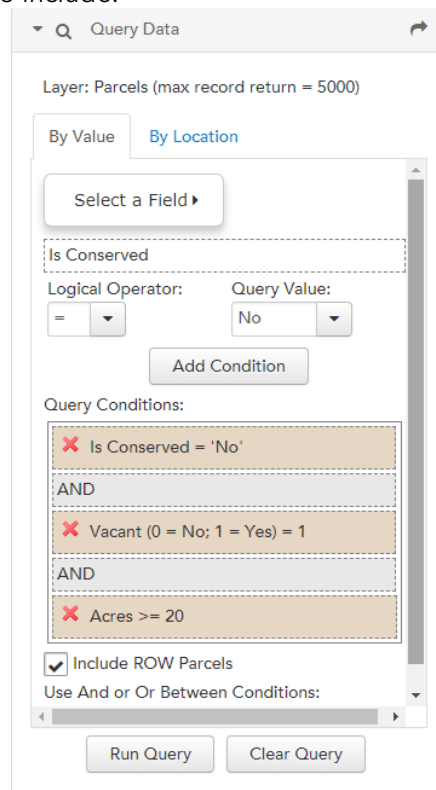
 Export



PDF Report x

[Download File](#)

- Add condition to query
 - Perform the same steps as above for any additional conditions you would like to include.



▼ Q Query Data ↻

Layer: Parcels (max record return = 5000)

By Value By Location

Select a Field ▶

Is Conserved

Logical Operator: Query Value:

= No

Add Condition

Query Conditions:

✗ Is Conserved = 'No'

AND

✗ Vacant (0 = No; 1 = Yes) = 1

AND

✗ Acres >= 20

☒ Include ROW Parcels

Use And or Or Between Conditions: ▼

Run Query Clear Query

- Make sure and click "Add Condition" after you have set up your condition. Once this is done a second condition will appear in your query conditions.
- Follow the same directions as above to run the query.

- Query by Location

Query Data

Layer: Parcels

By Value
By Location

Buffer: 0 Feet

Select Features By:

Point
Line
Polygon

Clear Location Graphic:

Clear

Run Query

Clear Query

- To begin choose how you would like to select your features. You can do this by choosing the point, line, or polygon option and define the buffer of that geometry. Once you have chosen both the buffer and the geometry you will draw on the map defining the point, line, or area that you would like to query.
- Select

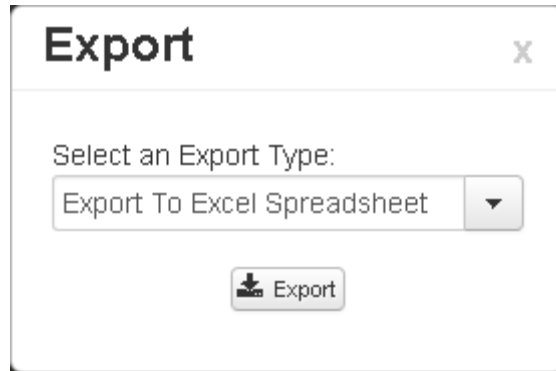
Run Query
- A table will open at the bottom of the viewer showing you the parcels that fit your query.

Query Data 1 [x]								
Zoom		Clear						
Info		Parcel Report		Export				
Account	Block	Intersection Name	Owner Name	Acres	Property Class	Building Class	School District	Publicly Owned (0 = No; 1 = Yes)
	DALLAS NORTH TOLLWAY NB 8558			10.4				
	DALLAS FT WORTH TPKE WB 30072			15.5				
	DALLAS FT WORTH TPKE WB 30072			11.0				

1 - 100 of 5000 results

« 1 2 3 ... 50 » 100

- You can either export this data as an excel/csv or create a pdf report for the queried parcels.



- For a detailed description of the Fields available for this query, and description of the values available for each field that can be used in building a query, go to:

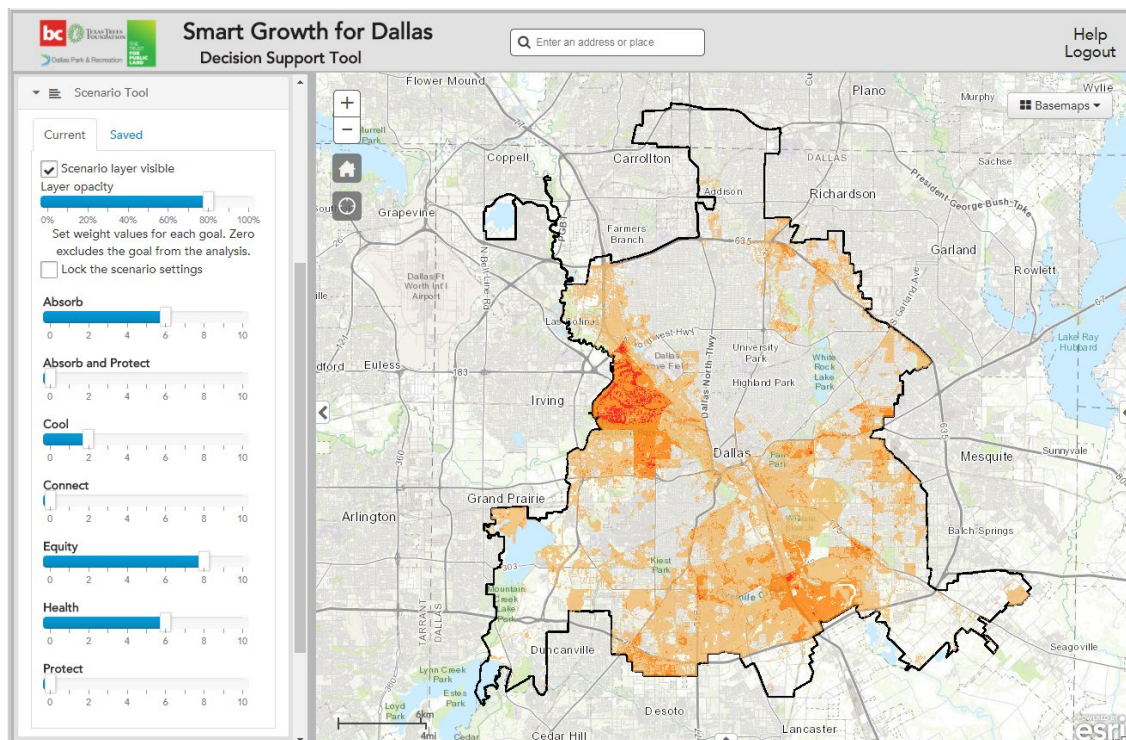
<https://docs.google.com/spreadsheets/d/164ZuEDoww5fh2qkrp6qfEF9NVsrbJEmWwREVDbyTwQ0/edit?usp=sharing>

and select the Parcel Query Attributes tab.

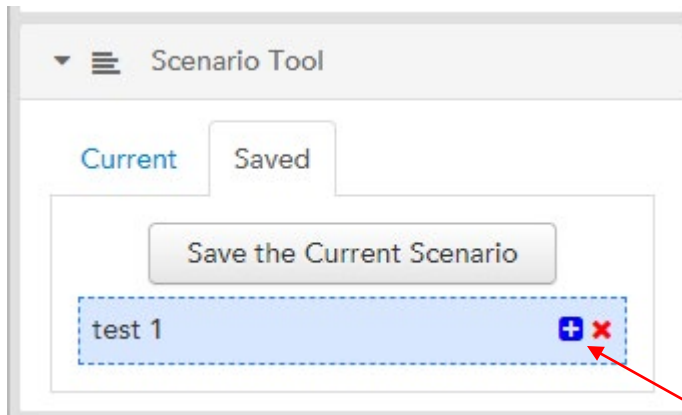
Scenario Weights

This tool allows you to combine Smart Growth Dallas objective priorities in different ways depending on the goals of your project or initiative.

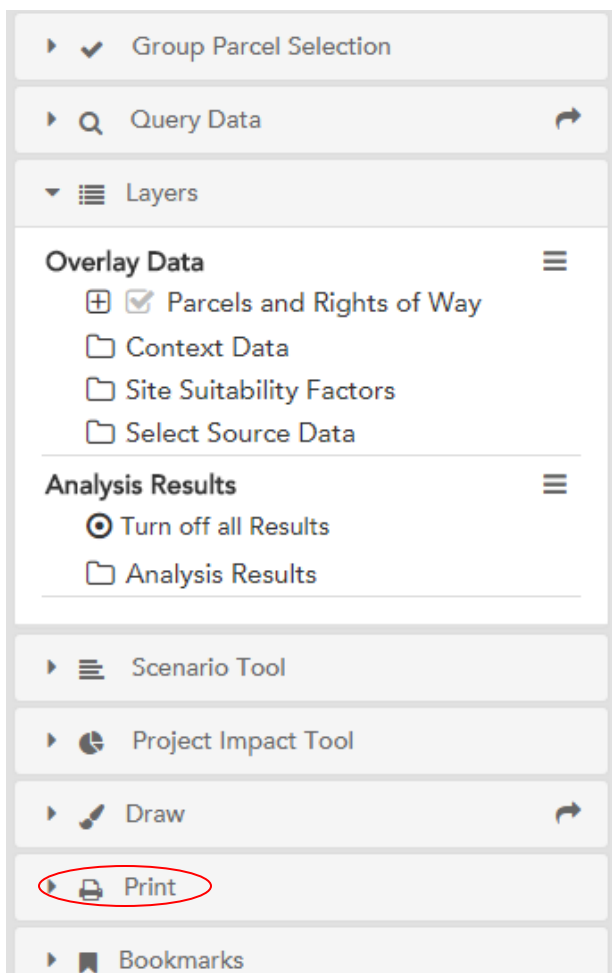
- In the WEIGHTS tab, weight the available options by dragging the slider bars for each objective your intended level. The new stacked results for this scenario will automatically draw.



- You can Save your scenario results by clicking on the Saved tab at the top, where you can save your scenario with a specific name.



- Reload your saved scenario by clicking on the blue plus button.
- Export your scenario to pdf using the Print function



- Project Impact Tool
 - Use the Sketch Tool to draw in a new park.

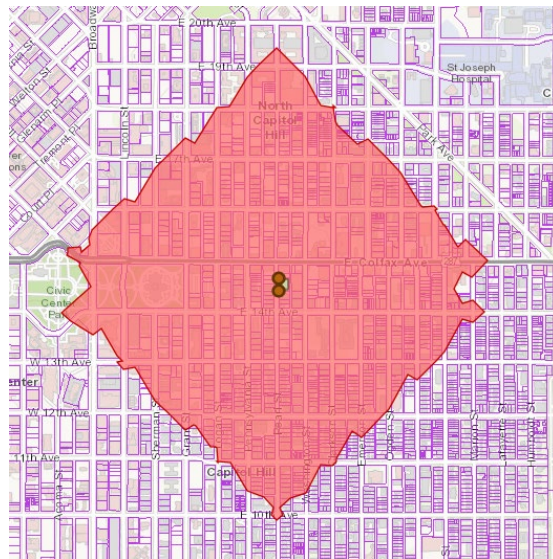


- Use the Access Point tool to add access points.



Tap to Run the Analysis.

- Click
- Click OK in the Run Analysis window
- Users will see the service area for their new potential park



- Users can download a PDF Report as well.