

Metro Denver Nature Alliance

MetroDNA Decision Support Tool

TRAINING GUIDE

GETTING THERE

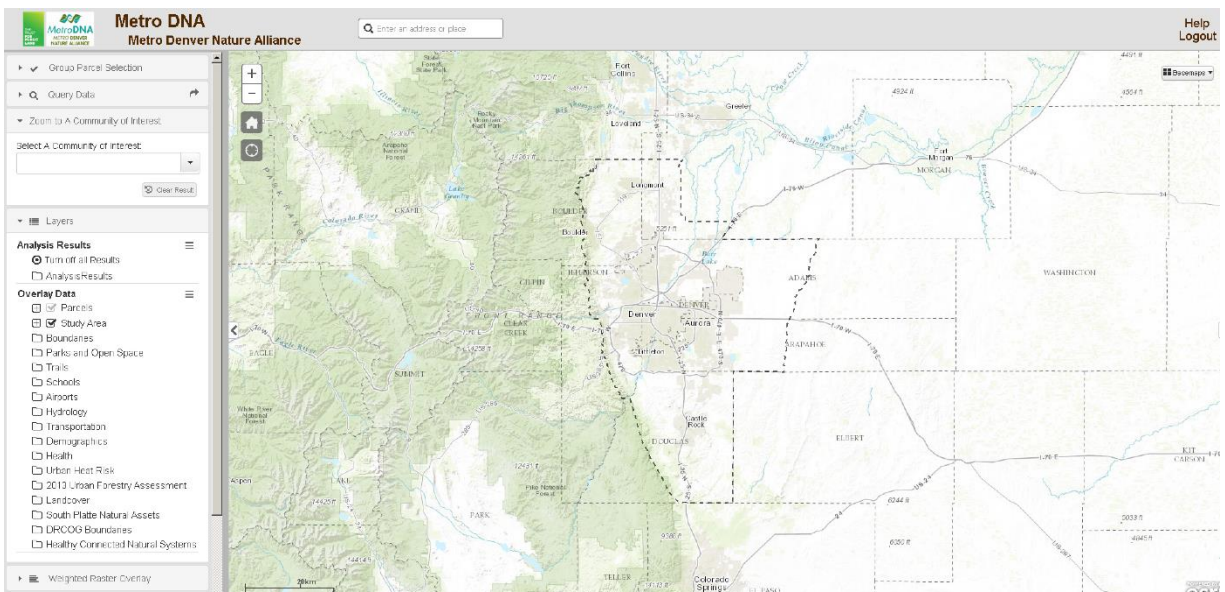
- Web Link
- Password protected site

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

TOOLS

- 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 Metro Denver Nature Alliance Portal Page
 - https://web.tplgis.org/Denver_MDNA/
 - Use the following link to connect to the Metro Denver Nature Alliance online mapping site:
 - https://web.tplgis.org/Denver_MDNA/secure/
- Password protected site

Denver Metro DNA

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

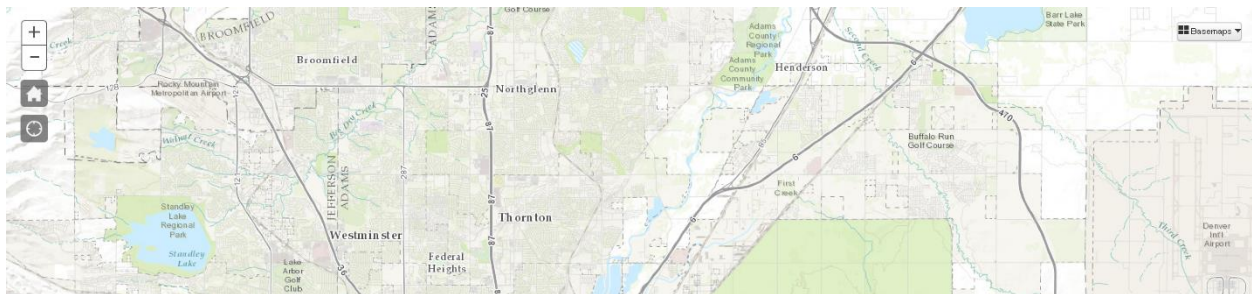
Login



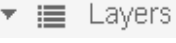
• [Contact TPL GIS Support](#)

- A username and password is required to access the site that includes parcel data.
- Contact Bob Heuer at The Trust for Public Land, (bob.heuer@tpl.org) for permission to use the password protected mapping site.

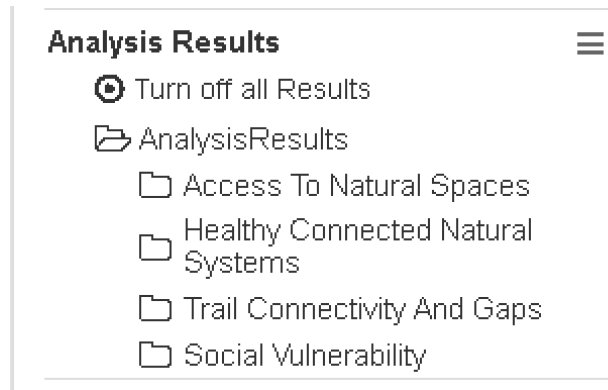
THE BASIC MOVES





- 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 (for mobile devices with GPS)

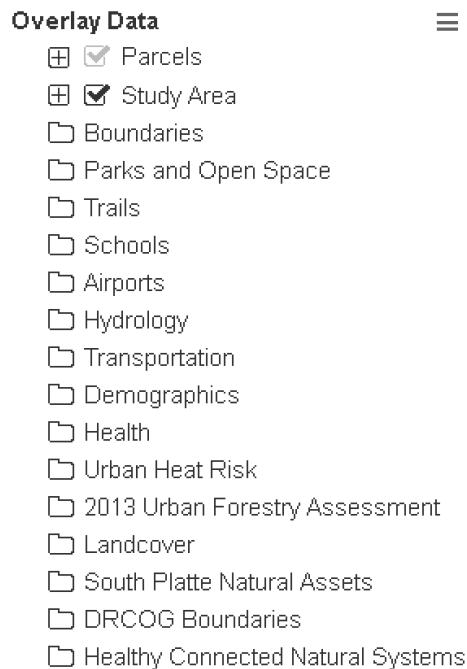





- Change the map background
 - Click the  Basemaps tab in the upper right of the map.
 - A drop down panel will appear. Click the small box next to the basemap you desire. Feel free to experiment with different basemaps. Note that you can close this panel at any time by clicking  Basemaps again.
- Additional 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.
 - There are two groups of layers: Overlay Layers and Analysis Results

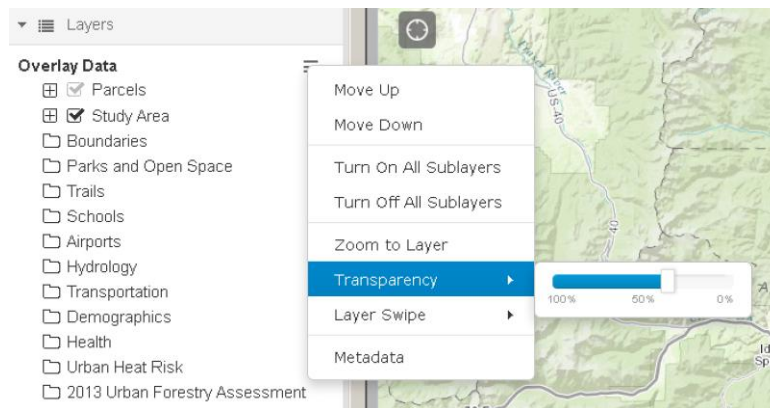
- On the LAYERS tab, locate the **Analysis Results** section.



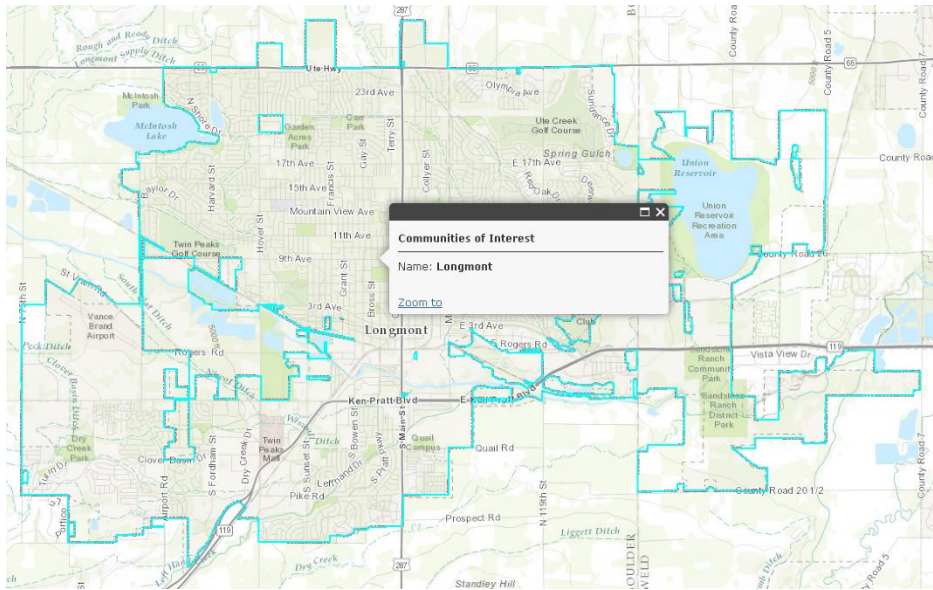
- At the top of the layers list there is an option to turn off all results layers. If at any point you would like to remove all the results, click this.
 - Each  symbol indicates that there are multiple layers grouped under that heading. Click the  to expand and see what layers there are.
 - Click  to show the symbology for an individual layer.
 - Display a layer by clicking the radio button next to its name. Only one analysis layer can be turned on at a time
 - Click the  to the left of "Healthy" to open this group of analysis data. At the bottom, click the radio to the left of "Healthy Connected Natural Systems Overall Priority". The layer will now draw on the map.
- On the LAYERS tab, locate the **Overlay Layers** section.



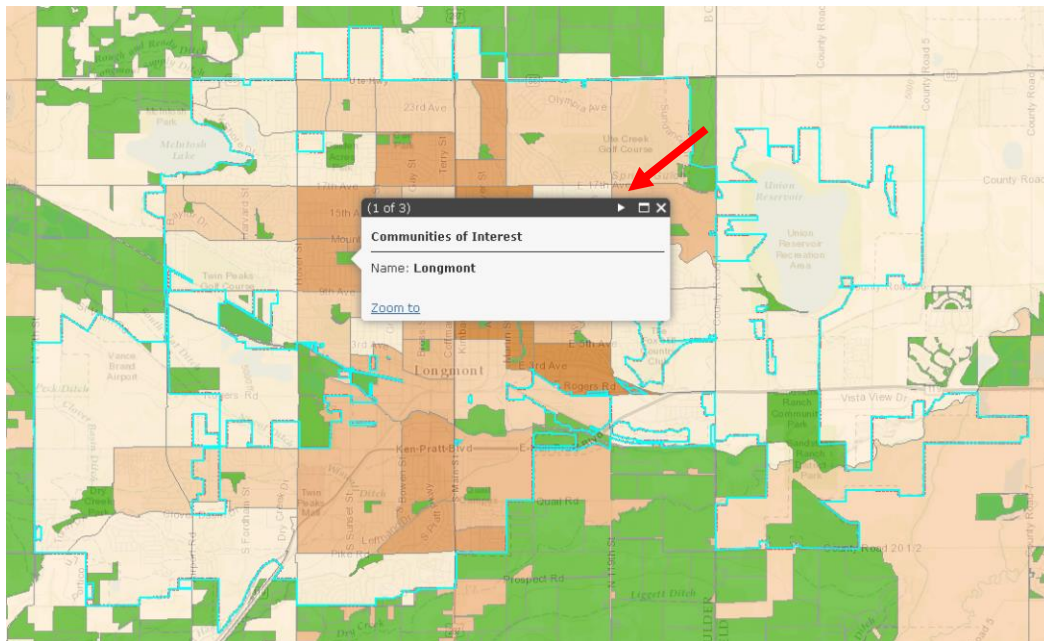
- Click the  to the left of "Boundaries" to open this group of overlay data. Click  next to "Community of Interest" to see its legend. Click the box to the left of "Community of Interest". A check mark will appear in the box next to these layer and it will now draw on the map.
- Click the box to the left 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  to the right of the **Overlay Data** to use the **Transparency** slider to change the transparency of the data in this group so that you can see mapped features underneath the displayed data. Click the rectangular tab on the slider and hold the mouse down to drag it to the left or right.



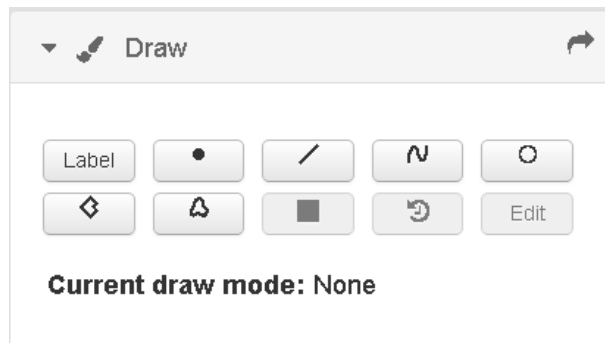
- Experiment with different transparency levels. Notice that the transparency level of all data in the group changes as you change the transparency level.
- In this same drop down menu you can turn on all the overlay layers, turn them all off, review metadata, zoom to the layers, and layer swipe.
- If 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.
 - To turn off the Layer Swipe click the "Exit Layer Swipe" button on the top left of the map.
- Get information about specific features
 - Turn on the Communities of Interest layer (switch back to the Overlay Layers, and turn layer back on if necessary).
 - Click on the map in one of the community areas.
 - An information box will appear that describes the feature(s) that you clicked.




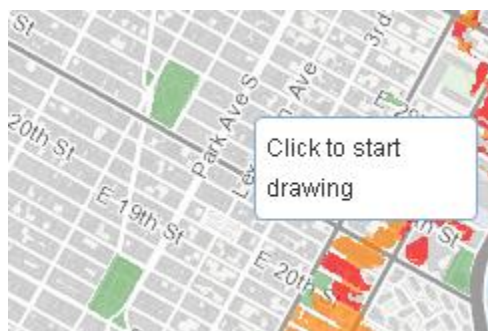
- **Note: If you have multiple layers on the one that is highest in the table of content will be identified.**
- If there is a ▶ in the info box title you have identified multiple features. Click ▶ to view information on the other selected features.





- 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
- 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:

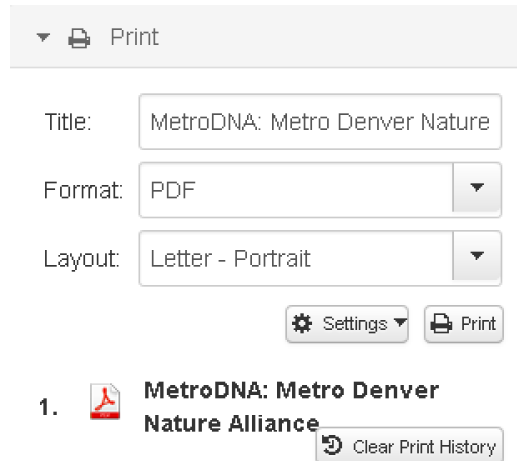
DPI:



MAP_ONLY options:

Width:

Height:

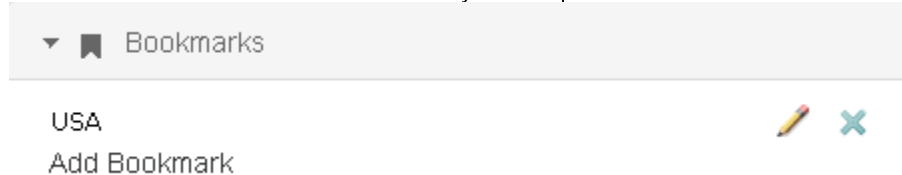
- Click the Print button once you have completed the above steps.
- Be patient while the mapping site generates a map for you. This process can take up to a minute.
- In the PRINT tab a file will appear once the export is complete. Click on the link to open your map.



- 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.

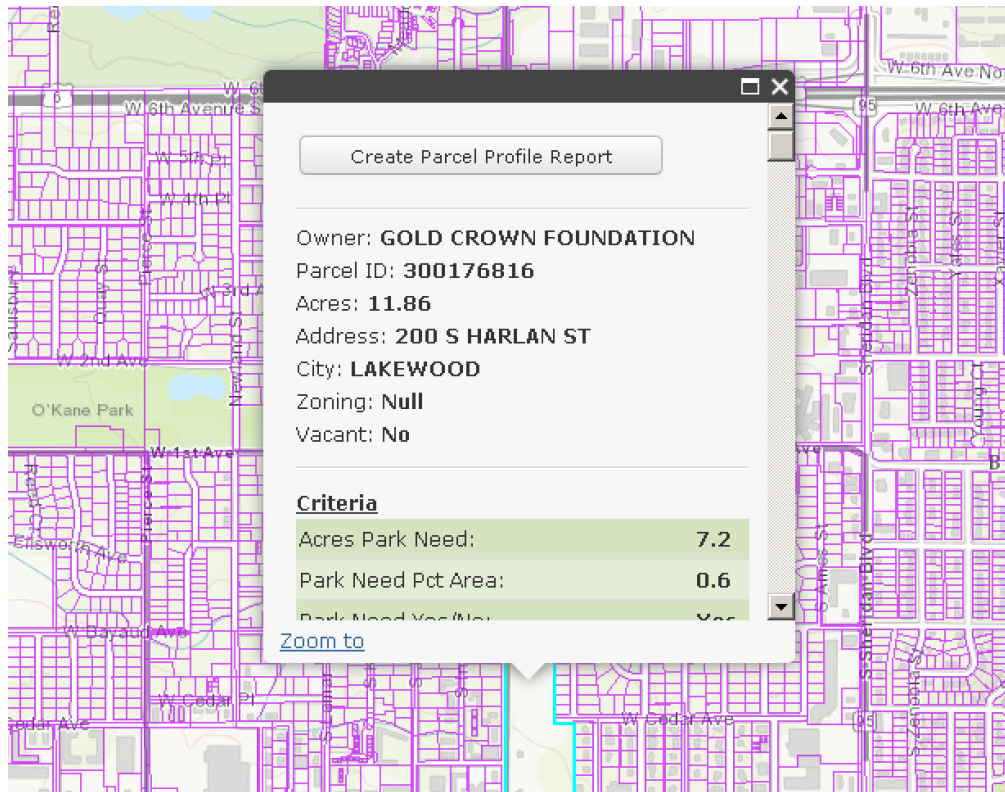
- Get help

- Click the **Help** button at the top right corner of your map for a copy of this user guide and tutorial and some basic help topics.
- Still need help? Send an email to gis.support@tpl.org

- Display parcels and run reports

You can generate reports on individual parcels. To do so you have to zoom in on the map until you can see the parcels display.

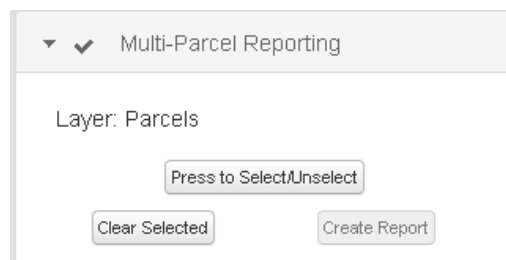
- Turn on the "Parcels" layer that's in the Overlay Data section. Parcels are scale dependent and will only appear once you have zoomed in.
- Once zoomed in and viewing the parcels click on a parcel to find out more information on it.



- You can create a Parcel Profile Report on individual parcels by clicking “Create Profile Report” A Parcel Profile Report provides a detailed characterization of all modeled OSAT services for an individual parcel.
- A download window will open. Click “Download File” to obtain the report.




- Multi-Parcel Selection
 - Open the Multi-Parcel Reporting tool



- To select parcels click the “Press to Select/Unselect” button. Begin clicking on parcels to select them. You can either select an individual parcel or a group of parcels. If you wish to unselect a parcel click it again and the parcel will be removed from the selection.

- You can clear the selected parcels at any point by clicking the "Clear Selected" button.
- You can create a report on any selection of parcels by clicking "Create Report".
- A download window will open. Click "Download File" to obtain the report.



- Query data
 - You can query the "By Value" tool to find parcels based on multiple criteria values as well.
 - Select the "By Value" tab in the Query tool
 - Select the field (criteria) you would like to query on from the "Select A Field" menu.
 - Select the Logical Operator and query value and press "Add Condition".
 - The condition will appear. You can remove a query at any point by clicking 
 - You can then add multiple criteria
 - To start over click "Clear Query"

Query Data

Layer: Parcels

By Value **By Location**

Select a Field ▾

Childhood Obesity Rate

Logical Operator: Query Value:

Add Condition

Query Conditions:

Childhood Obesity Rate >= 0.15

AND

Communities Of Interest = 'Longmont'

Use And or Or Between Conditions:

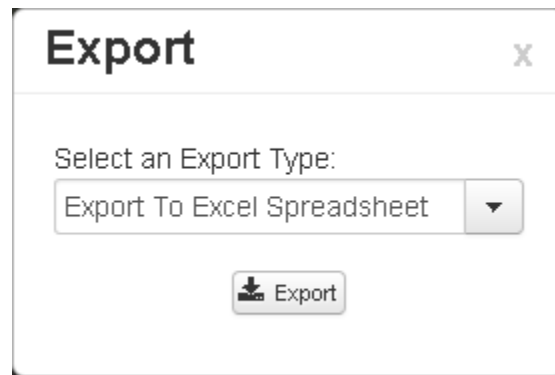
And Or

Run Query Clear Query

- After you have added all the desired queries click .
- A table will open at the bottom of the viewer showing you the parcels that fit your query.
- To clear the selection click the X in the upper left next to "Query Data 1"
- As you create multiple queries a new tab will be created "Query Data 1, 2, 3...etc."

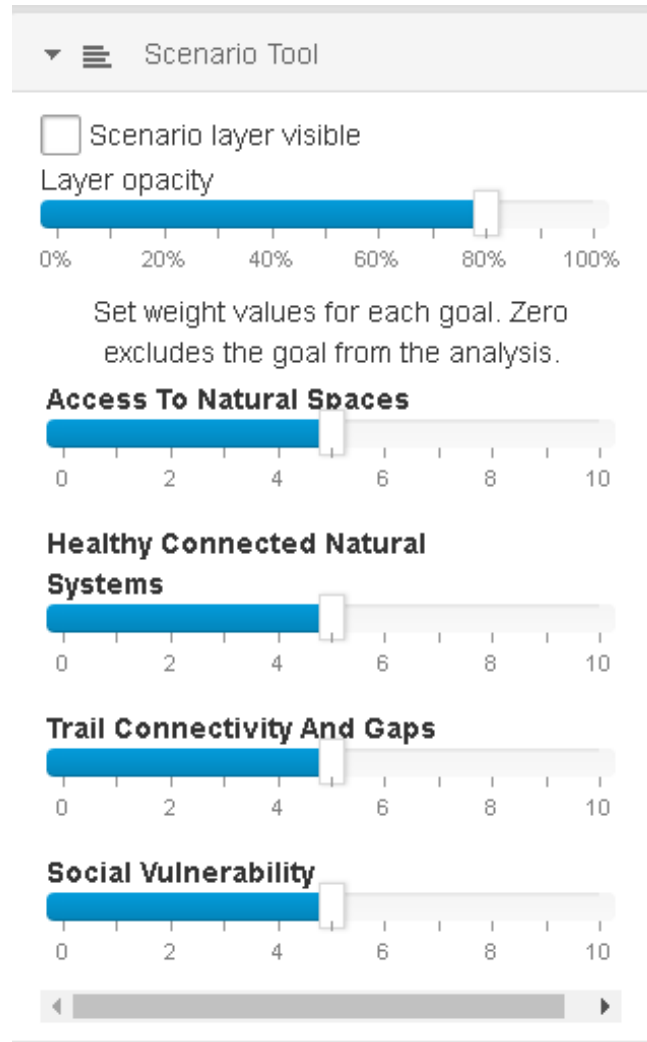
Parcel Identifier	Owner Name	Acres in Study Area	County	City	Communities Of Interest	Acres Access to Natural Spaces Overall Priority	Access to Natural Spaces Overall Priority Pct Area	Acres Healthy Connected Natural Systems Overall Priority	Healthy Natural Overall Area
131516119008	KRAFT DUANE A REVOC TRUST	0.1	Boulder County	Longmont	Longmont			0.0	0.0
131516119007	MONTOYA EDUARDO &	0.1	Boulder County	Longmont	Longmont			0.0	0.0

- You can either export this data as an excel/csv or create a pdf report for the queried parcels using the export or report button on the right side of the table -



- Add condition to query
 - You can add as many conditions to the query as you like.
 - Perform the same steps as above for any additional conditions you would like to include.
 - Make sure and click "Add Condition" after you have set up your condition. Once this is done a second condition with appear in your query conditions.
 - Follow the same directions as above to run the query.

- Scenario weights
 - This tool allows you to combine the four overall goal results in different ways depending on the goals of your project or initiative.



- Once in the SCENARIO WEIGHTS tab, weight the available options by dragging the slider bar.
- Once finished, check the "Scenario layer visible" box at the top and the new result will be displayed on the map.
- You can then adjust the individual weights and the map will adjust in real-time.
- You can adjust the transparency of your result using the "Layer opacity" slider bar at the top

