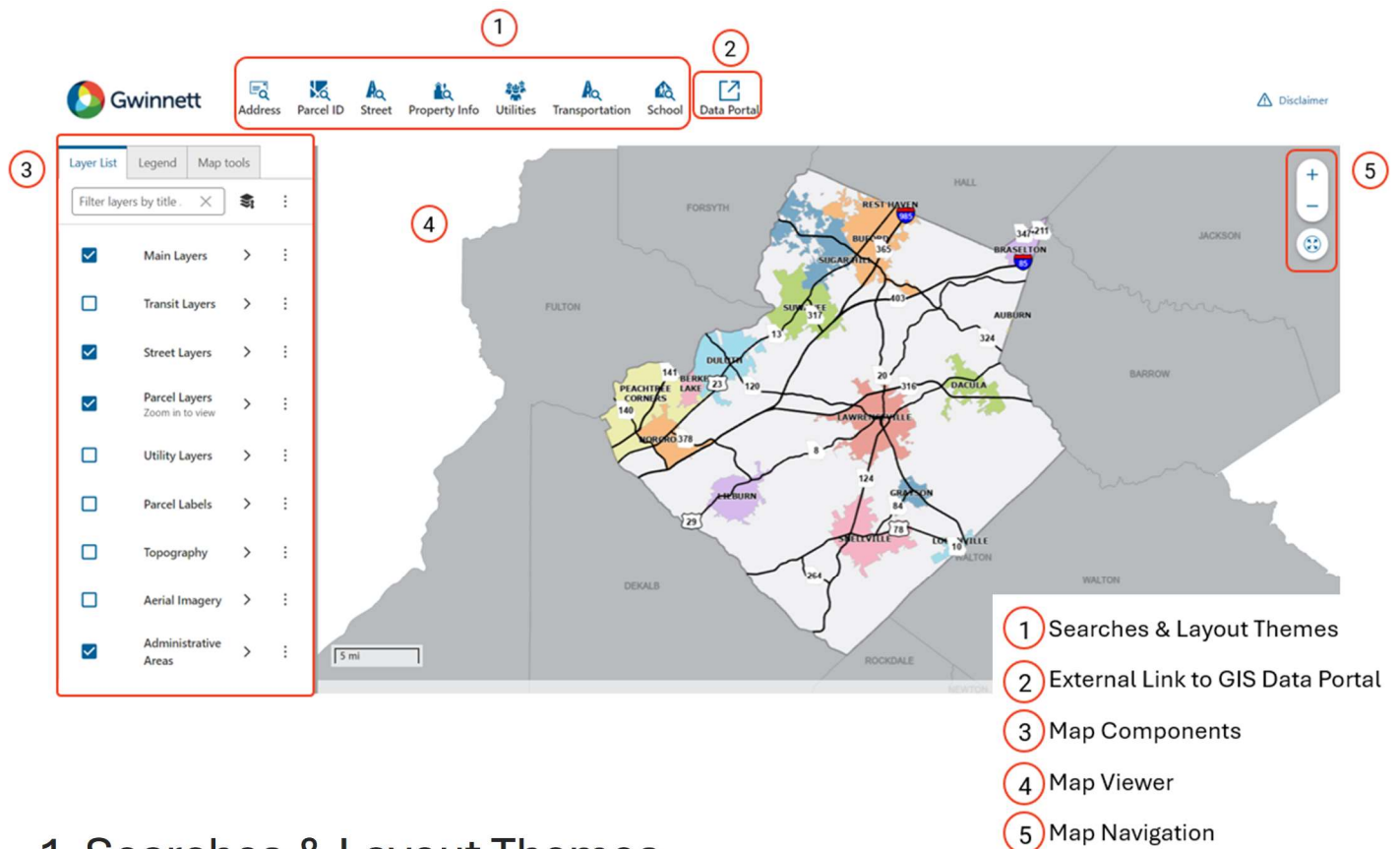


Gwinnett County GIS Data Browser Help Guide

DISCOVER HOW TO NAVIGATE & UTILIZE GWINNETT COUNTY'S GIS DATA BROWSER WEB MAPPING APPLICATION

APPLICATION OVERVIEW



1. Searches & Layout Themes

Navigate through Gwinnett County's Map Data by utilizing preconfigured searches and layout themes designed to make finding information simple.



Address Search

Find *Property Addresses* in Gwinnett County by selecting the "Address Search" widget and typing the address into the Search Panel.



Legend Map tools Address Search

Search by Property Address: *

Start typing an address

Submit



Parcel Search

Search for a Parcel in Gwinnett County by selecting the "Parcel Search" widget and typing in the Tax Parcel ID into the Search Panel that pops up.



Legend Map tools Parcel Search

Search by PIN: *

5143 256

Submit



Street Search

Search for any Street in Gwinnett County by selecting the "Streets Search" widget and typing in the Street Name into the Search Panel that pops up.

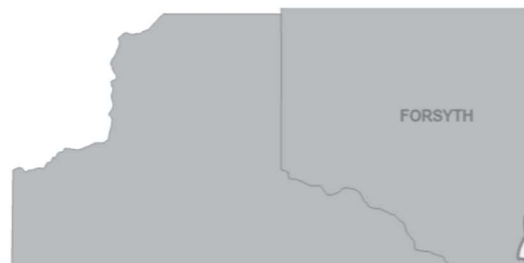


Legend Map tools Search Streets

Street Search: *

Start typing Street Name

Submit Cancel

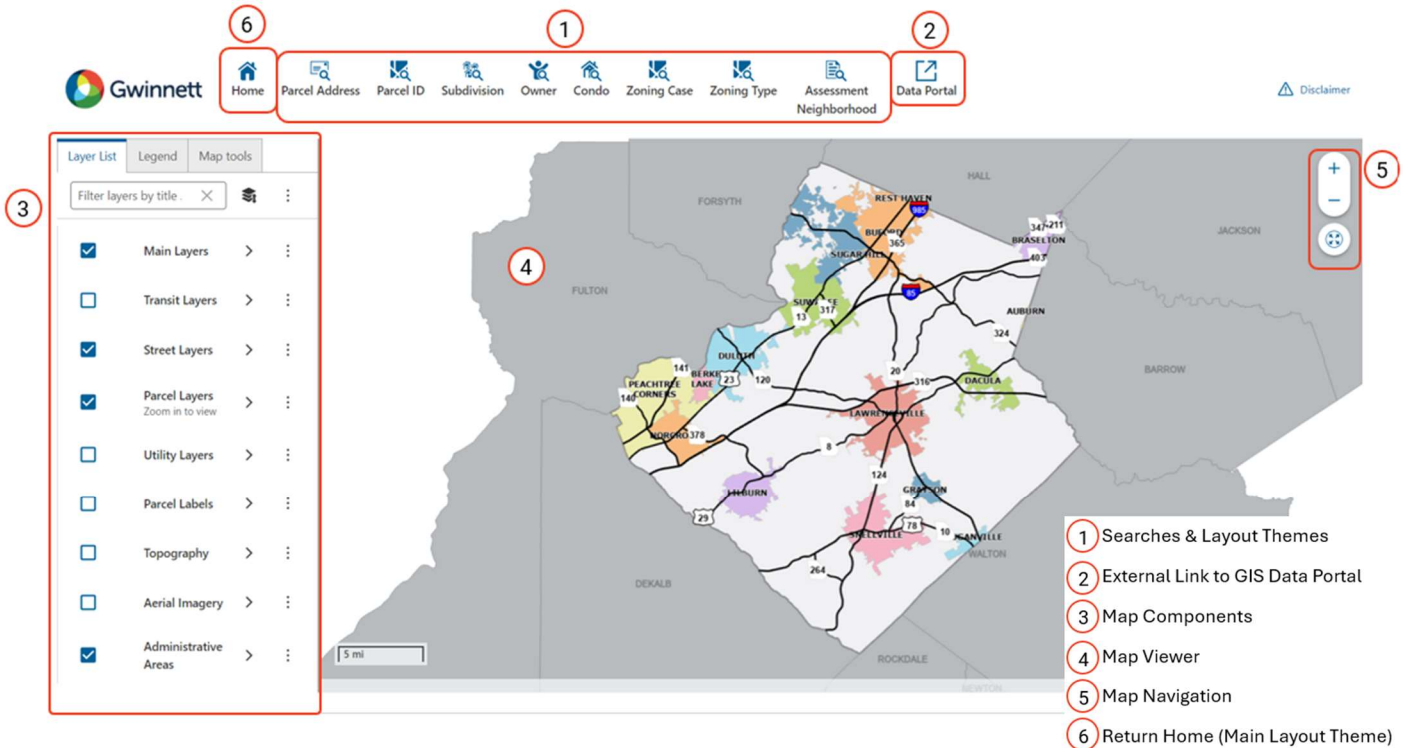


Property Information Layout Theme



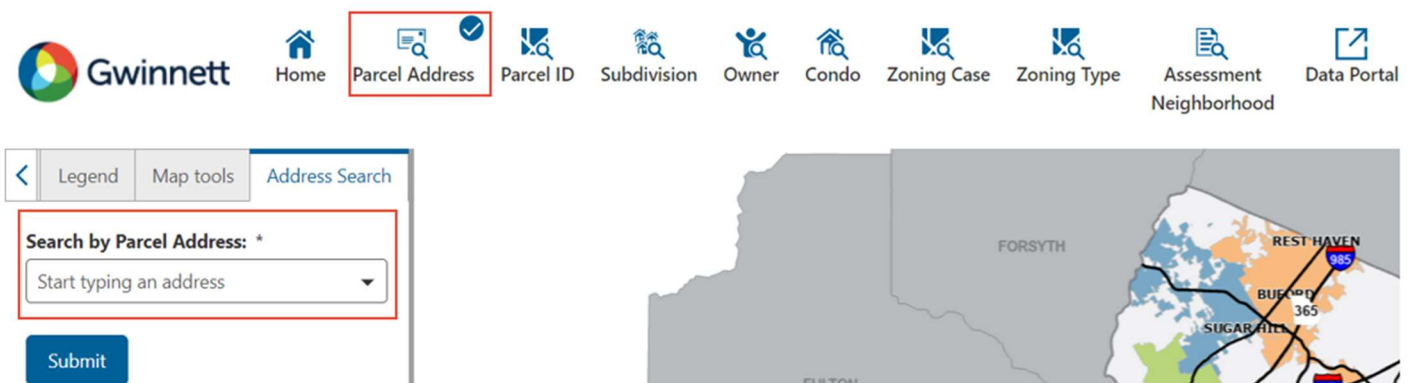
Home to the Property Address, Parcel ID, Subdivision, Parcel Owner, Condo Parcel, Zoning Case, Zoning Type, and Assessment Neighborhood Searches.

Property Info Layout Theme Application Overview



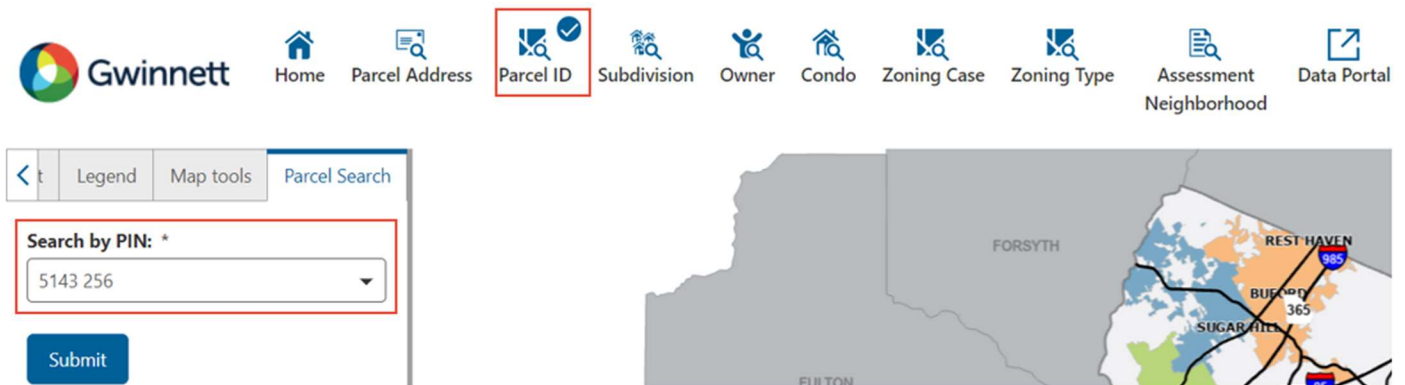
Parcel Address Search

Find Tax Parcel Addresses in Gwinnett County by selecting the "Parcel Address" widget and typing the address into the Search Panel.



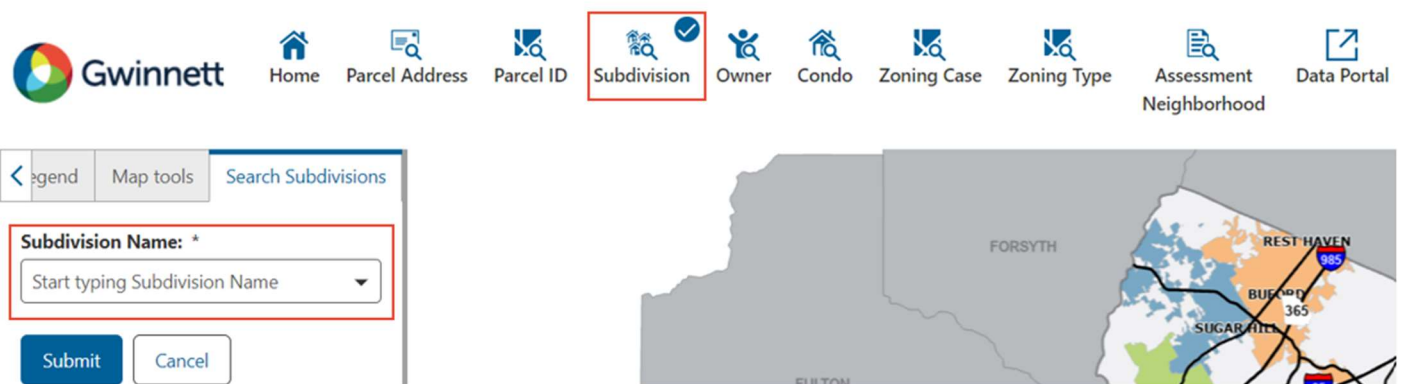
Parcel Search

Search for a Parcel in Gwinnett County by selecting the "Parcel Search" widget and typing in the Tax Parcel ID into the Search Panel that pops up.



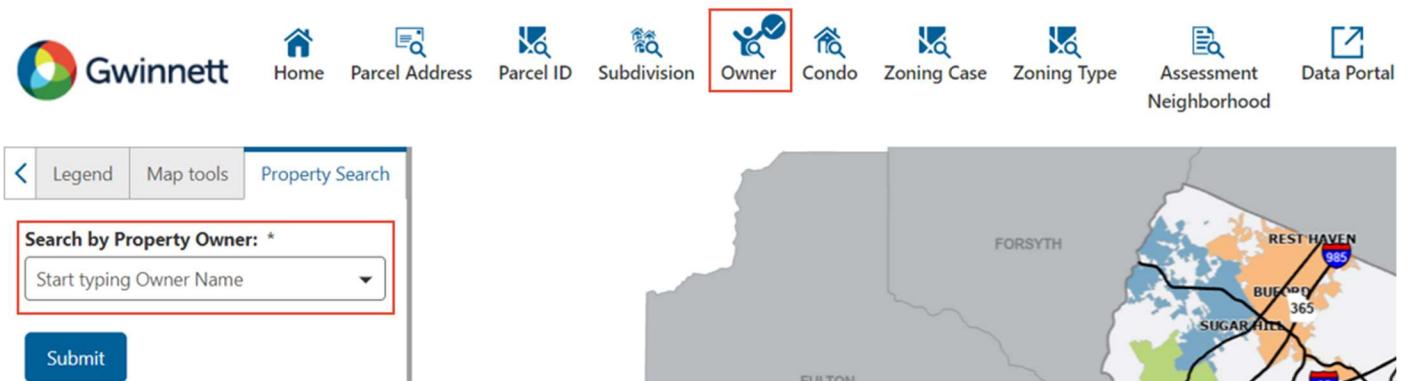
Subdivision Search

Search Subdivisions in Gwinnett County by selecting the "Subdivision Search" widget and typing in the Subdivision Name into the now visible Search Panel.



Parcel Owner Search

Find property owners in Gwinnett County by using the "Owner" search. Select the "Owner" search widget and type the property owner's name into the now visible search panel. The result will show the parcel Owner by the name searched.



Condo Parcel Search

Use the Condo Parcel search to locate Condo's in Gwinnett County. Select the "Condo" search widget and type the condo PIN into the now visible search panel.

Home Parcel Address Parcel ID Subdivision Owner **Condo** Zoning Case Zoning Type Assessment Neighborhood Data Portal

Legend Map tools Condo Parcel Search

Search by Condo PIN: *

Start typing a parcel number

Submit

Zoning Case Search

Search by Zoning Case number and locate all current Zoning Cases in Gwinnett County.

Home Parcel Address Parcel ID Subdivision Owner Condo **Zoning Case** Zoning Type Assessment Neighborhood Data Portal

Legend Map tools Search Rezoning Cases

Search Zoning Cases: *

Search by Zoning Case Number

RZR2023-00023

Submit Cancel

Zoning Type Search

Locate areas with the same Zoning Type, by using the “Zoning Type” search. Select the “Zoning Type” search widget and select a Zoning Type from the now visible list in the search panel.

Home Parcel Address Parcel ID Subdivision Owner Condo Zoning Case **Zoning Type** Assessment Neighborhood Data Portal

Legend Map tools Search Zoning

Select Zone Type

Filter items

- AF
- AG
- AR
- BG
- BGC
- BH
- BN
- C1
- C2
- C2A
- C3

Submit Cancel

Assessment Neighborhood Search

Locate Assessment Neighborhoods in Gwinnett County by Public NEI Code.



Home



Parcel Address



Parcel ID



Subdivision



Owner



Condo



Zoning Case



Zoning Type



Assessment Neighborhood

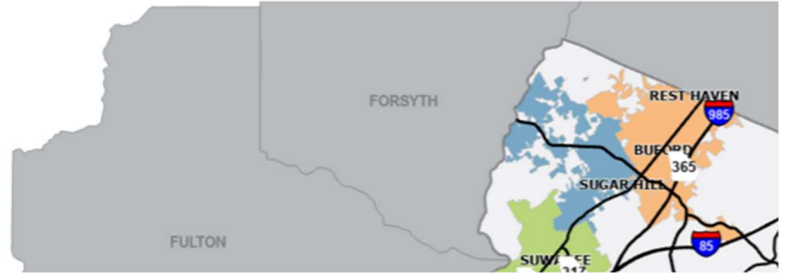


Data Portal

Legend | Map tools | **Property Search**

Search by Assessment Neighborhood: *

Start typing Neighborhood Value



Utilities Layout Theme



Home to the Address, Parcel ID, Septic Parcel ID, Inlet ID, and Conduit ID Searches.

Utilities Layout Theme Application Overview

- 1 Searches & Layout Themes
- 2 External Link to GIS Data Portal
- 3 Map Components
- 4 Map Viewer
- 5 Map Navigation
- 6 Return Home (Main Layout Theme)

Address Search

Find the *Property Addresses* in Gwinnett County by selecting the "Address Search" widget and typing the address into the Search Panel.



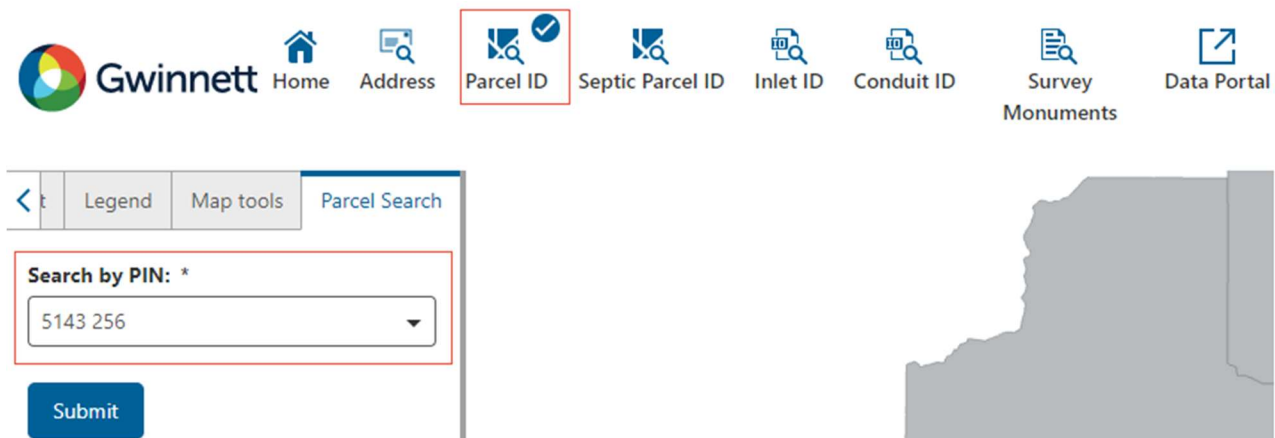
Legend
Map tools
Address Search

Search by Property Address: *



Parcels Search

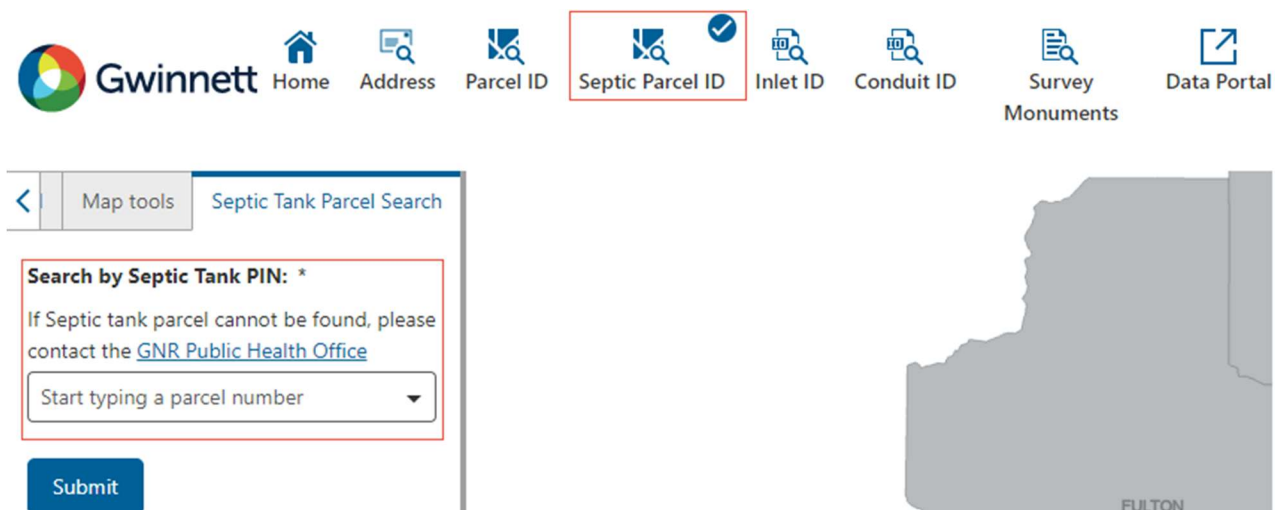
Search for a Parcel in Gwinnett County by selecting the "Parcel Search" widget and typing in the Parcel ID into the Search Panel that pops up.



The screenshot shows the Gwinnett County website navigation bar with the "Parcel ID" widget highlighted in red. Below the navigation bar, the "Parcel Search" panel is open, showing a search by PIN field with the value "5143 256" and a "Submit" button. A map of Gwinnett County is visible on the right side of the screen.

Septic Parcels Search

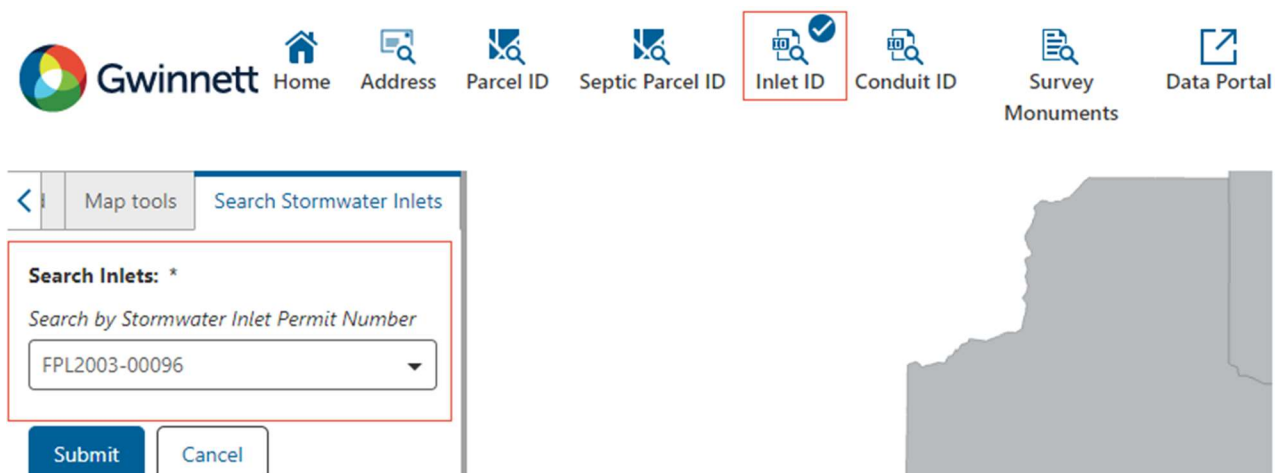
Locate Gwinnett County's Septic Parcels by using the "Septic Parcel ID" search widget. If the parcel does not appear in the search results, navigate to [Health Department Website](#).



The screenshot shows the Gwinnett County website navigation bar with the "Septic Parcel ID" widget highlighted in red. Below the navigation bar, the "Septic Tank Parcel Search" panel is open, showing a search by Septic Tank PIN field with the placeholder text "Start typing a parcel number" and a "Submit" button. A map of Gwinnett County is visible on the right side of the screen.

Inlet ID Search

Analyze Gwinnett County's Utility Inlets by using the "Inlet ID" search widget.



The screenshot shows the Gwinnett County website navigation bar with the "Inlet ID" widget highlighted in red. Below the navigation bar, the "Search Stormwater Inlets" panel is open, showing a search by Stormwater Inlet Permit Number field with the value "FPL2003-00096" and "Submit" and "Cancel" buttons. A map of Gwinnett County is visible on the right side of the screen.

Conduit ID Search

Analyze Gwinnett County's Utility Closed Conduits by using the "Conduit ID" search widget.

Gwinnett Home Address Parcel ID Septic Parcel ID Inlet ID **Conduit ID** Survey Data Portal
Monuments

Legend Map tools Conduit Search

Search Closed Conduits: *
Search by Stormwater Conduit Permit Number
FPL2004-00004

Submit Cancel

FULTON

Survey Monuments Search

Locate Survey Monuments in Gwinnett County by Public NEI Code by selecting one of the listed options.

Gwinnett Home Address Parcel ID Septic Parcel ID Inlet ID Conduit ID **Survey Monuments** Data Portal

Map tools Survey Monuments Search

Search by Survey Monument Prefix *

-
- BM
- EE
- G0
- G00
- G2
- G20
- GC

Submit

FULTON
PEAC
140

Transportation Layout Theme

Home to the Address, Parcel ID, Street, Right-of-way (ROW) Plans (by Project Name and Project Number), and Street Intersection searches.



Transportation Layout Theme Application Overview

1 Searches & Layout Themes
2 External Link to GIS Data Portal
3 Map Components
4 Map Viewer
5 Map Navigation
6 Return Home (Main Layout Theme)

Address Search

Find *Property Addresses* in Gwinnett County by selecting the "Address Search" widget and typing the address into the Search Panel.



Legend Map tools **Address Search**

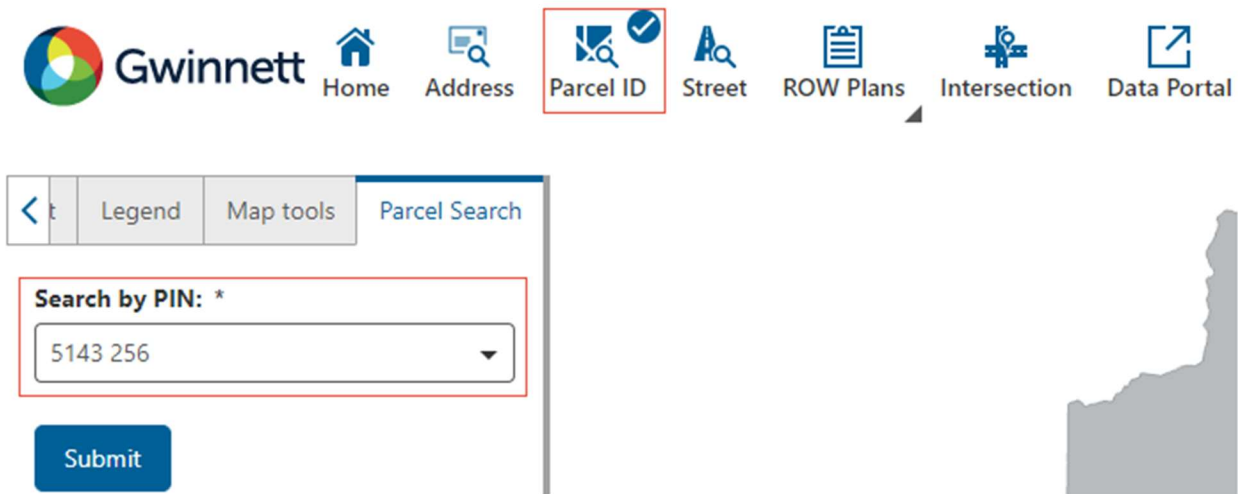
Search by Property Address: *

Start typing an address

Submit

Parcels Search

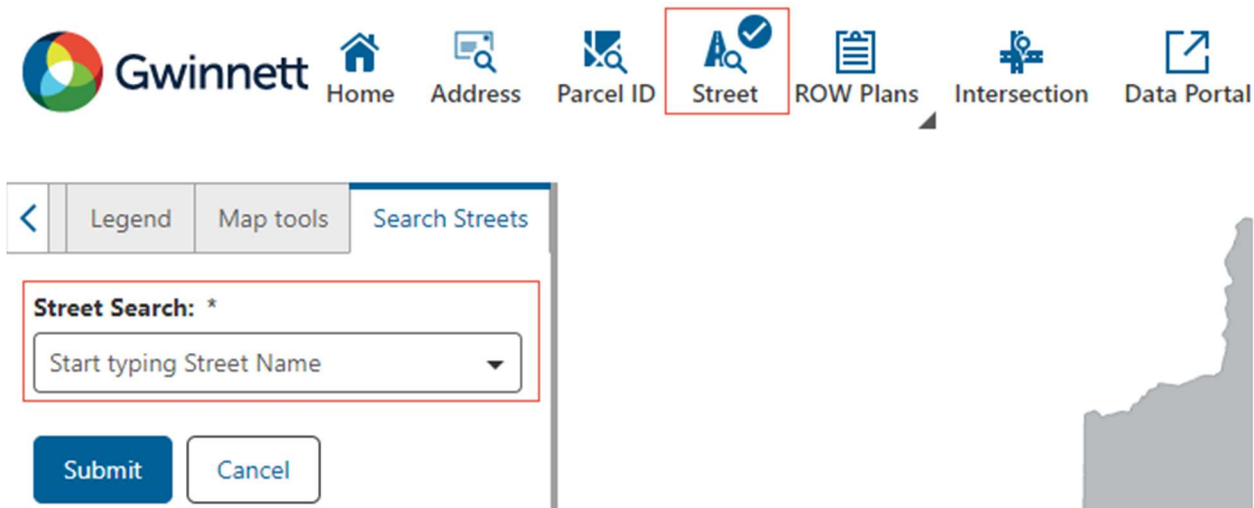
Search for a Parcel in Gwinnett County by selecting the "Parcel Search" widget and typing in the Tax Parcel ID into the Search Panel that pops up.



The screenshot shows the Gwinnett County web application interface. At the top, there is a navigation bar with the Gwinnett logo and several menu items: Home, Address, Parcel ID (highlighted with a red box), Street, ROW Plans, Intersection, and Data Portal. Below the navigation bar, a search panel is open, titled "Parcel Search". The panel has a tabbed interface with "Legend", "Map tools", and "Parcel Search" tabs. The "Parcel Search" tab is active. Inside the panel, there is a search input field labeled "Search by PIN: *" with the value "5143 256" entered. Below the input field is a blue "Submit" button. To the right of the search panel, a portion of a map is visible, showing a grey silhouette of a landmass.

Streets Search

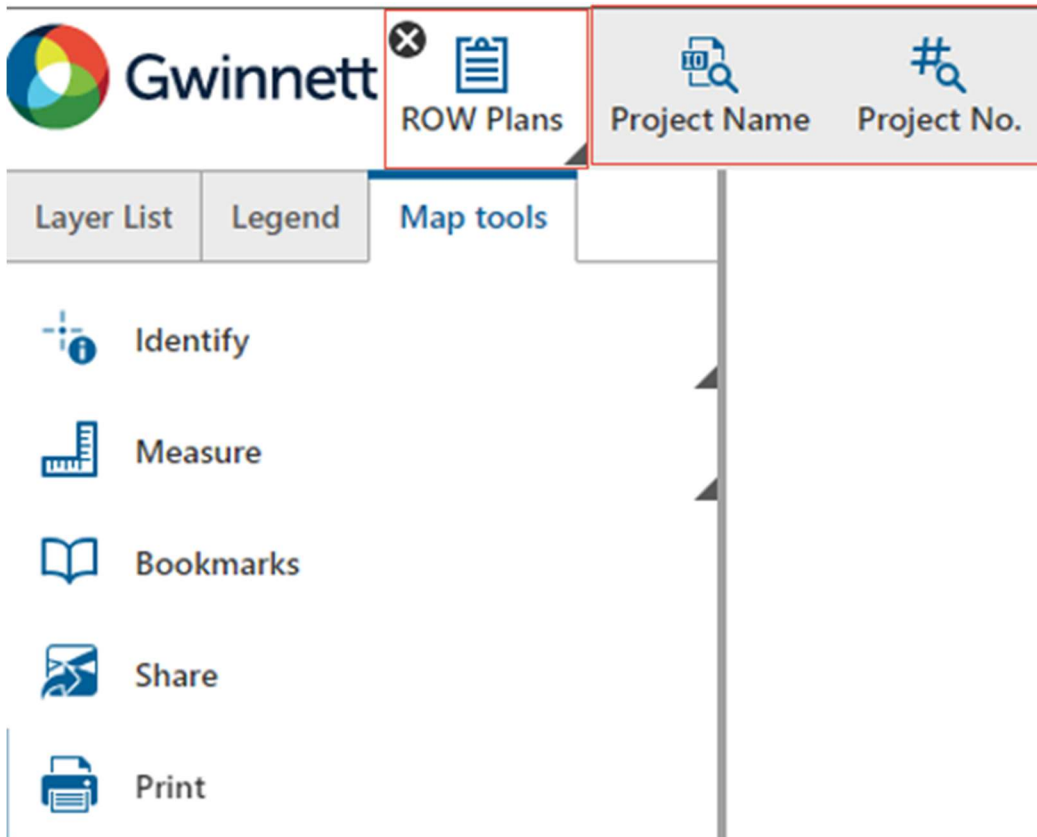
Search for any Street in Gwinnett County by selecting the "Street Search" widget and typing in the Street Name into the Search Panel that pops up.



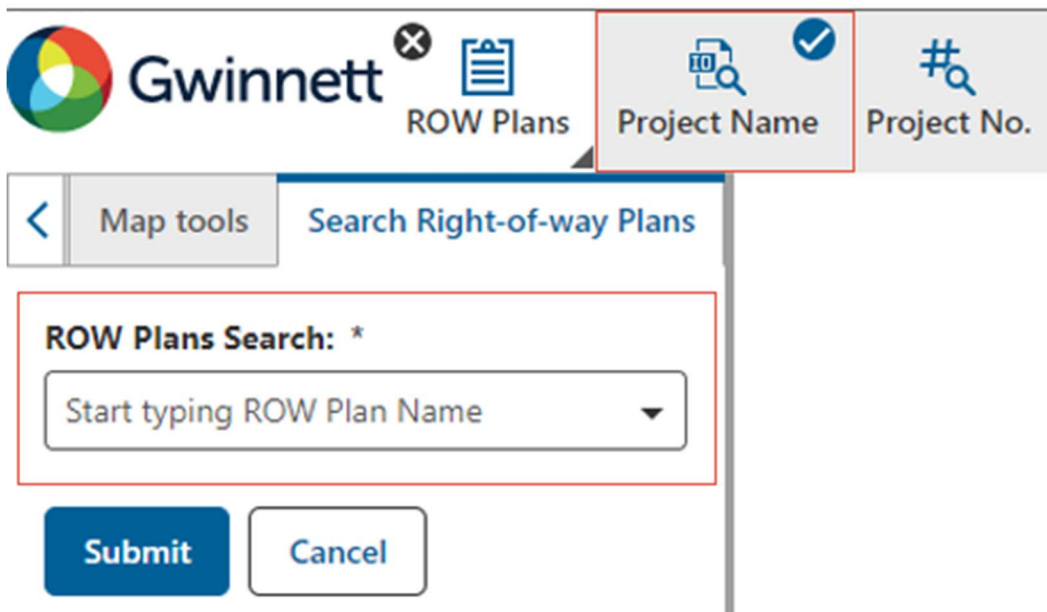
The screenshot shows the Gwinnett County web application interface. At the top, there is a navigation bar with the Gwinnett logo and several menu items: Home, Address, Parcel ID, Street (highlighted with a red box), ROW Plans, Intersection, and Data Portal. Below the navigation bar, a search panel is open, titled "Search Streets". The panel has a tabbed interface with "Legend", "Map tools", and "Search Streets" tabs. The "Search Streets" tab is active. Inside the panel, there is a search input field labeled "Street Search: *" with the placeholder text "Start typing Street Name". Below the input field are two buttons: a blue "Submit" button and a white "Cancel" button. To the right of the search panel, a portion of a map is visible, showing a grey silhouette of a landmass.

Right-of-way Plans – Project Name Search

Find Right-of-way plans in Gwinnett County by searching for Right-of-way Project Names.

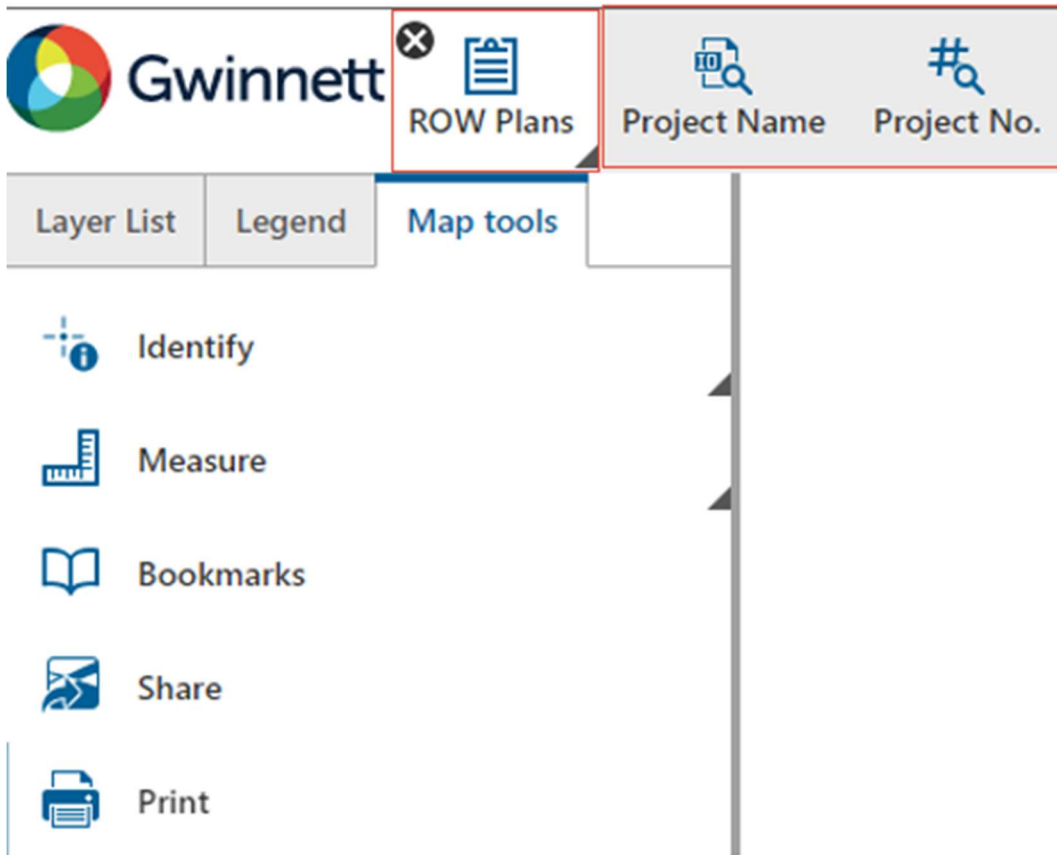


Select the “ROW Plans” widget to open a search submenu. Click the “Project Name” search widget to conduct a search for ROW Plans by Project Name.

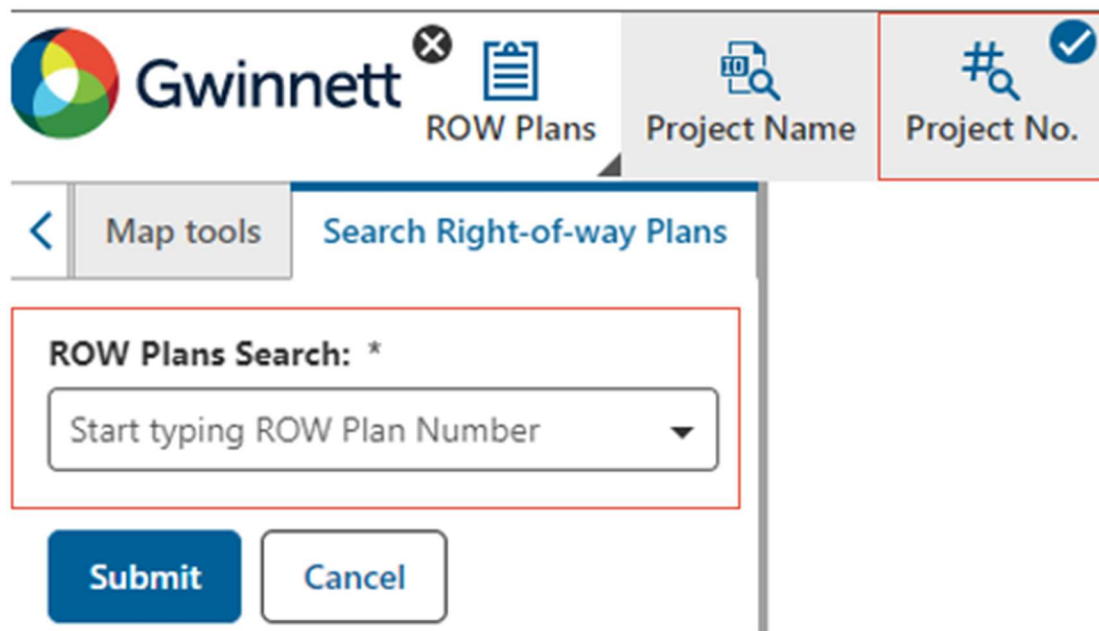


Right-of-way Plans – Project Number Search

Find Right-of-way plans in Gwinnett County by searching for Right-of-way Project Numbers.

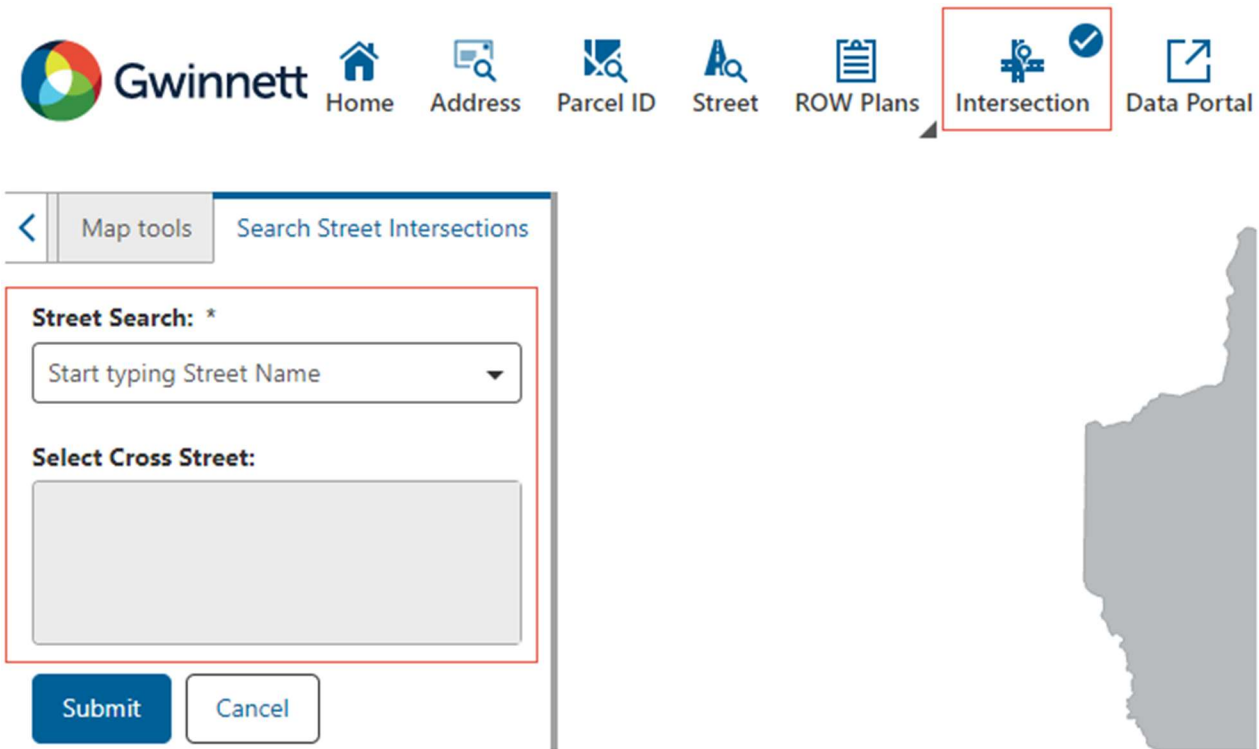


Select the “ROW Plans” widget to open a search submenu. Click the “Project Number” search widget to conduct a search for ROW Plans by Project Number.



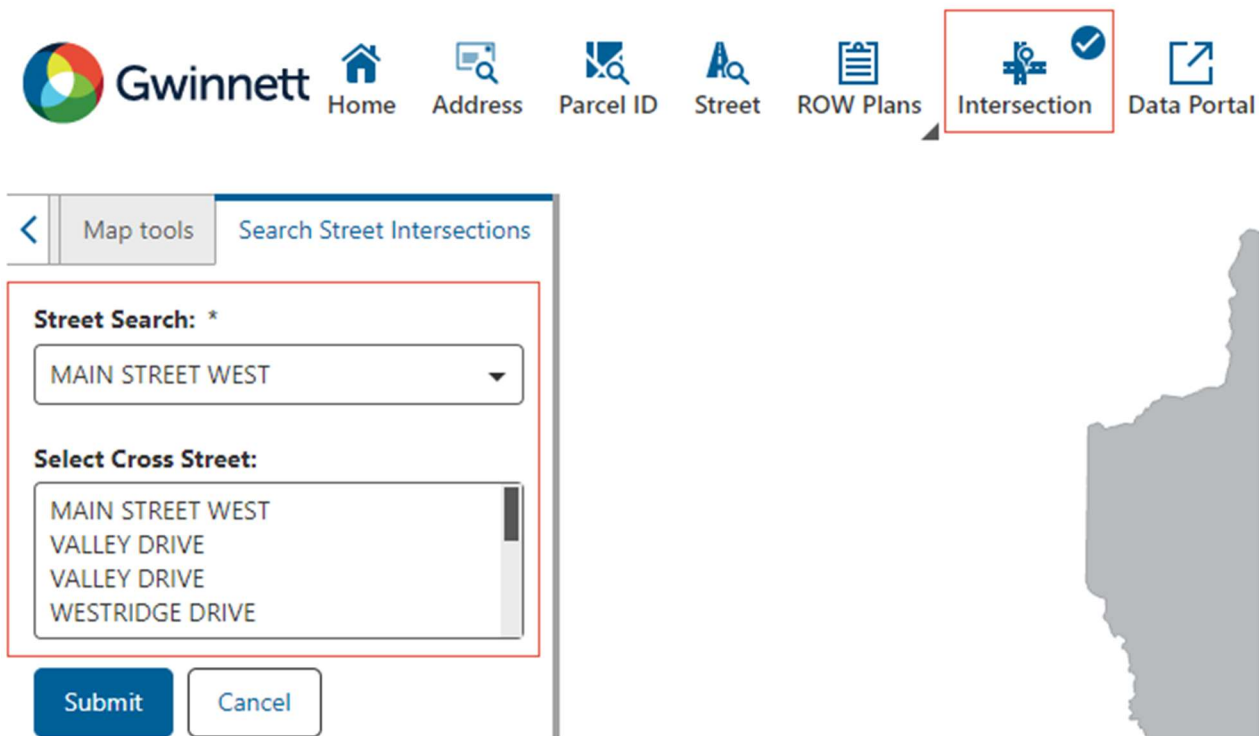
Intersections Search

Locate intersections in Gwinnett County by utilizing the “Intersections” search widget.



The screenshot shows the Gwinnett County website navigation bar with the following items: Home, Address, Parcel ID, Street, ROW Plans, Intersection (highlighted with a red box), and Data Portal. Below the navigation bar is the 'Search Street Intersections' widget. The widget has a 'Map tools' tab and a search box with the placeholder text 'Start typing Street Name'. Below the search box is a 'Select Cross Street' section with an empty list. At the bottom of the widget are 'Submit' and 'Cancel' buttons.

Start typing the first street name in the text box and select one of the populated streets. Once the first street is selected, the cross-street list will be populated.



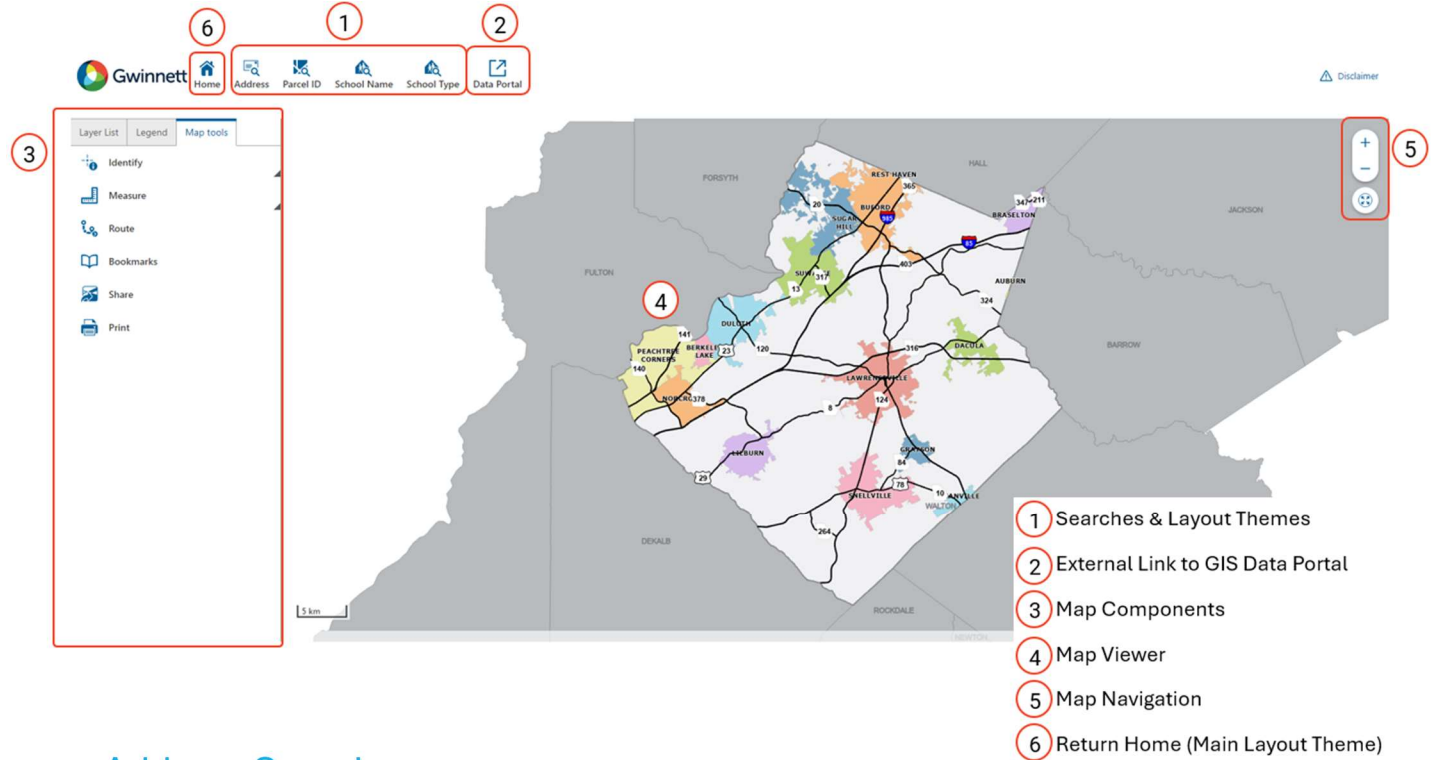
The screenshot shows the Gwinnett County website navigation bar with the following items: Home, Address, Parcel ID, Street, ROW Plans, Intersection (highlighted with a red box), and Data Portal. Below the navigation bar is the 'Search Street Intersections' widget. The widget has a 'Map tools' tab and a search box with the text 'MAIN STREET WEST'. Below the search box is a 'Select Cross Street' section with a list of four items: 'MAIN STREET WEST', 'VALLEY DRIVE', 'VALLEY DRIVE', and 'WESTRIDGE DRIVE'. At the bottom of the widget are 'Submit' and 'Cancel' buttons.

Schools Layout Theme

Home to the Address, Parcels, School Name, and School Type Searches.

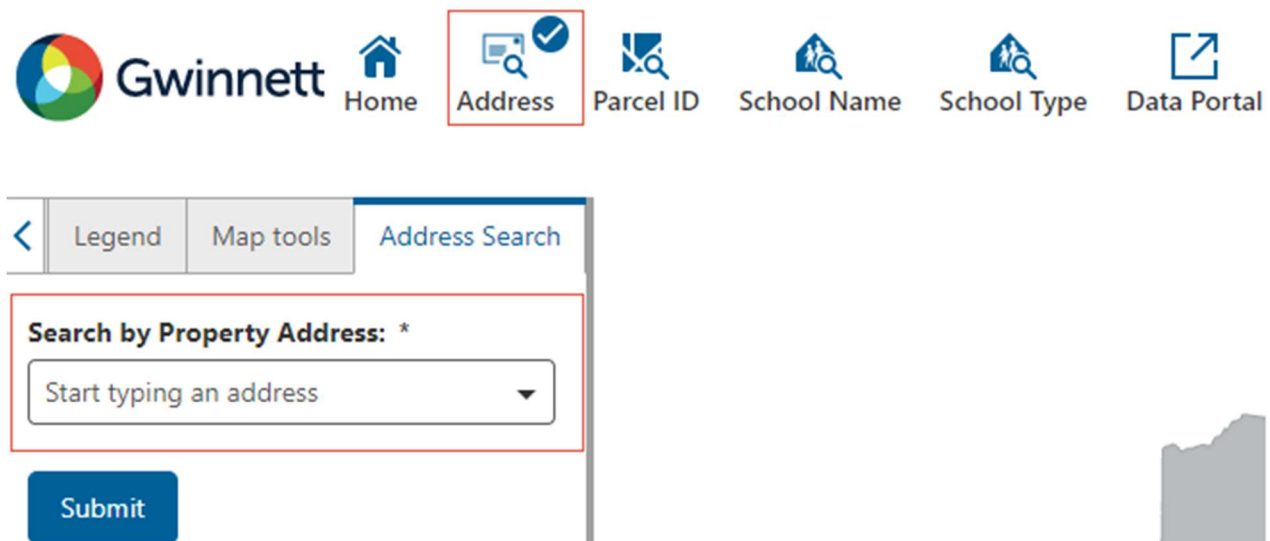


Schools Layout Theme Application Overview



Address Search

Find *Property Addresses* in Gwinnett County by selecting the "Address Search" widget and typing the address into the Search Panel.



Parcels Search

Search for a Parcel in Gwinnett County by selecting the "Parcel Search" widget and typing in the Tax Parcel ID into the Search Panel that pops up.



Legend Map tools Parcel Search

Search by PIN: *

5143 256

Submit

School Name Search

Find a Gwinnett County school by name by using the "School Name Search" widget.



Legend Map tools School Search

Search by School Name: *

Start typing School Name

Submit

School Type Search

Find a Gwinnett County school (high school, middle school, elementary school, other) by using the "School Name Search" widget.



Legend Map tools School Search

Search by School Type *

Elementary

High

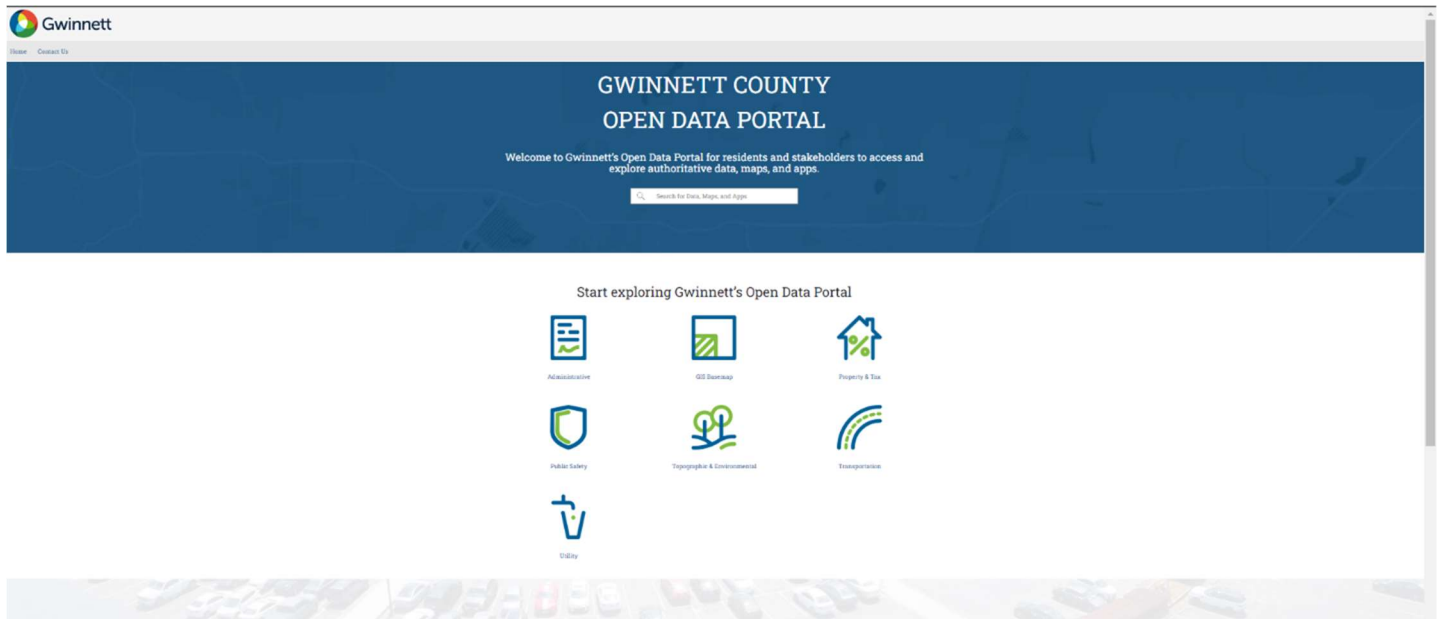
Middle

Other

Submit

2. External Link to GIS Data Portal

Navigate to Gwinnett County's GIS Data Portal to access and download spatial data layers.



Start exploring Gwinnett's Open Data Portal



Administrative



GIS Basemap



Property & Tax



Public Safety



Topographic & Environmental



Transportation



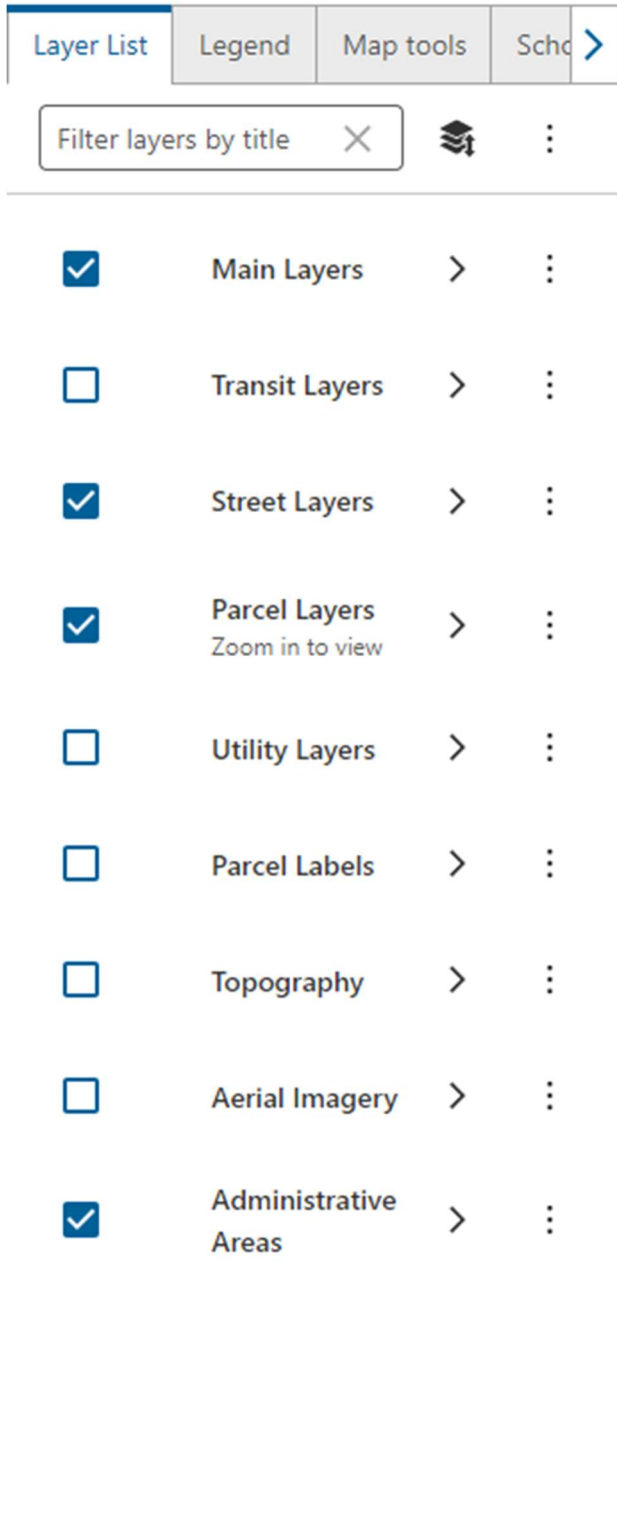
Utility

<https://gcgis-gwinnettcountryga.hub.arcgis.com/>

3. Map Components

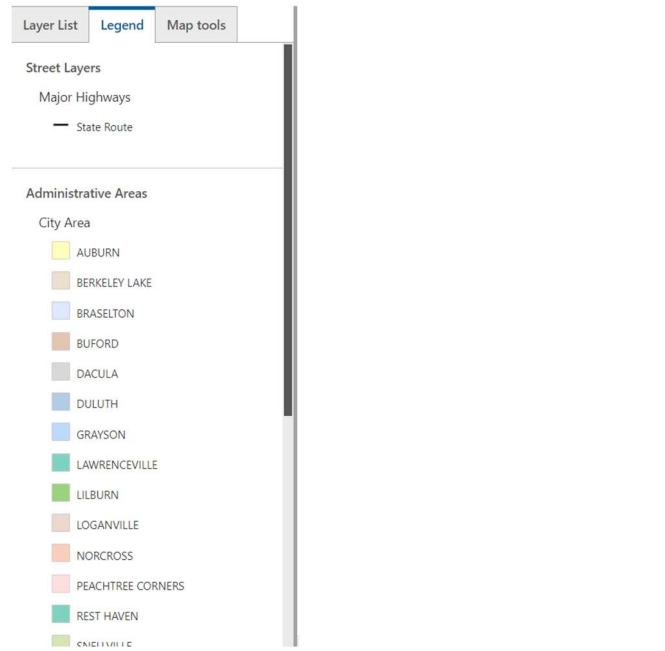
Layer List

Use the layer list to control the data visibility in the map. Filter through the layers, turn layers on and off, and reorder the layers to change the map display.



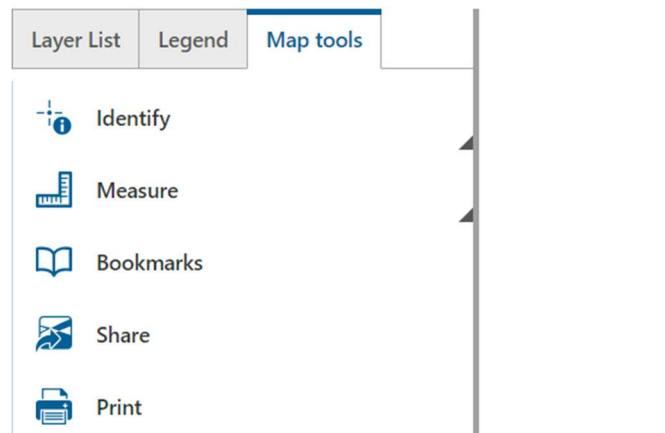
Legend

View the map Legend to determine what layer symbols are visible on the map viewer. The Legend is scale dependent. Meaning, the only features visible in the legend are those currently drawn on the map. If a feature is not visible until the map viewer is zoomed in, the feature will not be visible in the Legend until the map viewer is zoomed in, as well.



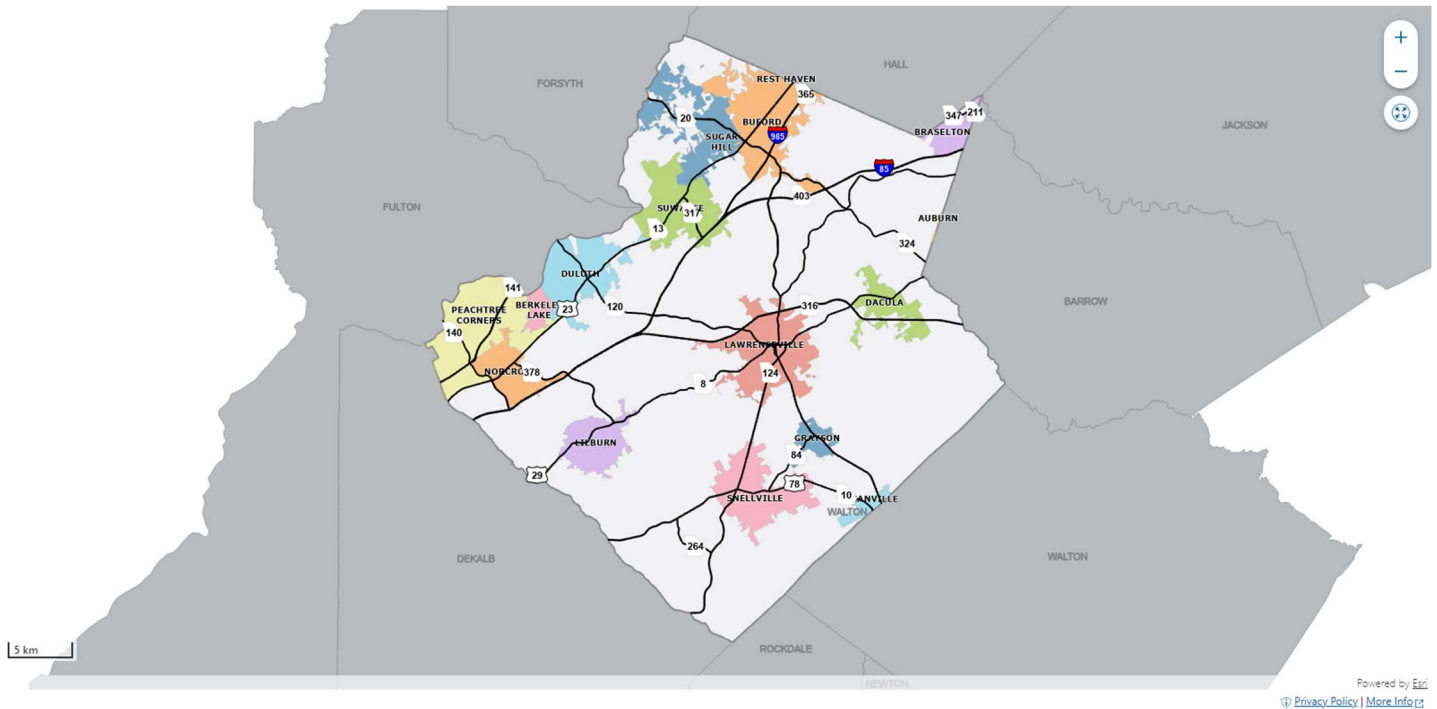
Map Tools

Use the map tools to deepen your analysis. Identify features, conduct measurements, create bookmarks, share the map display, and print a map layout.



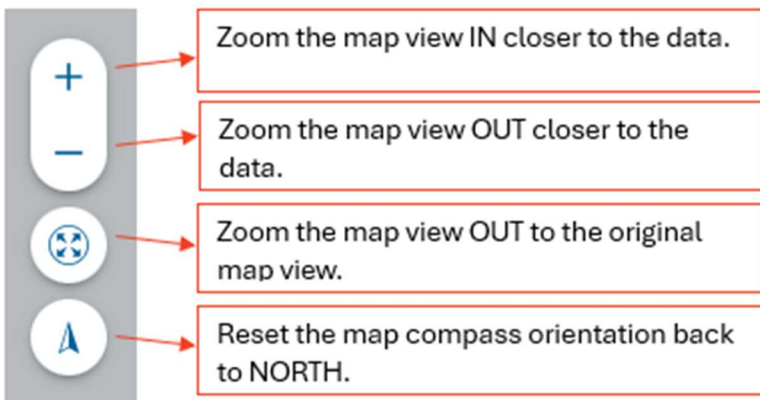
4. Map Viewer

Use the Map Viewer to interact with the map and visualize the data.



5. Map Navigation

Use the Map Navigation tools to alter the map view.



How to manage Layers in the “Layer List” panel

The layer list displays the hierarchy of available layers in the map and provides the ability to filter through the available layers, turn layers on and off, alter layer transparency, control label visibility, reorder the layers, and to zoom to each layer’s visible extent.

Layer List – Groups, Subgroups, and Layers

The layers in the Layer List are separated into groups based on the information in the layers. Each group can be expanded to display subgroups and individual feature layers.

Layer Groups

The screenshot shows the 'Layer List' tab selected. At the top, there are tabs for 'Layer List', 'Legend', and 'Map tools'. Below the tabs is a search bar labeled 'Filter layers by title' with a close button (X) and a stack of layers icon. The main area contains a list of layer groups, each with a checkbox, a title, a right-pointing arrow, and a vertical ellipsis menu icon. The groups are: 'Main Layers' (checked), 'Transit Layers', 'Street Layers' (checked), 'Parcel Layers' (checked, with the subtitle 'Zoom in to view'), 'Utility Layers', 'Parcel Labels', 'Topography', 'Aerial Imagery', and 'Administrative Areas' (checked).

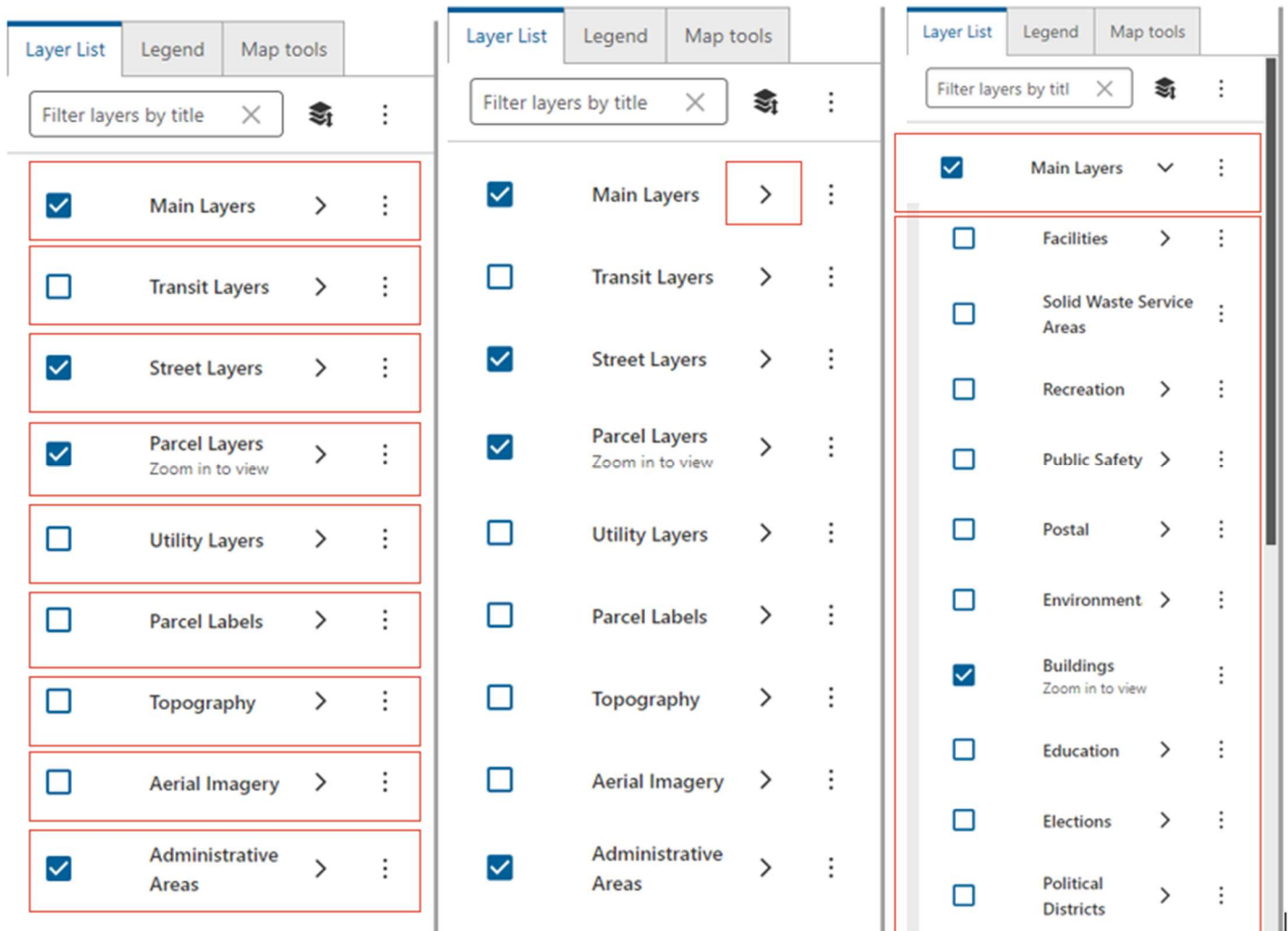
Checked	Group Name	Expand Arrow	More Options
<input checked="" type="checkbox"/>	Main Layers	>	⋮
<input type="checkbox"/>	Transit Layers	>	⋮
<input checked="" type="checkbox"/>	Street Layers	>	⋮
<input checked="" type="checkbox"/>	Parcel Layers Zoom in to view	>	⋮
<input type="checkbox"/>	Utility Layers	>	⋮
<input type="checkbox"/>	Parcel Labels	>	⋮
<input type="checkbox"/>	Topography	>	⋮
<input type="checkbox"/>	Aerial Imagery	>	⋮
<input checked="" type="checkbox"/>	Administrative Areas	>	⋮

Extended Layer Groups

The screenshot shows the 'Layer List' tab selected. At the top, there are tabs for 'Layer List', 'Legend', and 'Map tools'. Below the tabs is a search bar labeled 'Filter layers by titl' with a close button (X) and a stack of layers icon. The main area shows the 'Main Layers' group expanded. The 'Main Layers' group has a checked checkbox, a downward-pointing arrow, and a vertical ellipsis menu icon. Below it, a list of subgroups is displayed, each with a checkbox, a title, a right-pointing arrow, and a vertical ellipsis menu icon. The subgroups are: 'Facilities', 'Solid Waste Service Areas', 'Recreation', 'Public Safety', 'Postal', 'Environment', 'Buildings' (checked, with the subtitle 'Zoom in to view'), 'Education', 'Elections', and 'Political Districts'.

Checked	Group Name	Expand Arrow	More Options
<input checked="" type="checkbox"/>	Main Layers	▼	⋮
<input type="checkbox"/>	Facilities	>	⋮
<input type="checkbox"/>	Solid Waste Service Areas		⋮
<input type="checkbox"/>	Recreation	>	⋮
<input type="checkbox"/>	Public Safety	>	⋮
<input type="checkbox"/>	Postal	>	⋮
<input type="checkbox"/>	Environment	>	⋮
<input checked="" type="checkbox"/>	Buildings Zoom in to view		⋮
<input type="checkbox"/>	Education	>	⋮
<input type="checkbox"/>	Elections	>	⋮
<input type="checkbox"/>	Political Districts	>	⋮

To expand the Layer groups, click the arrow to the right of the layer name.



Turn Layer Groups, Subgroups and Individual Layers On and Off

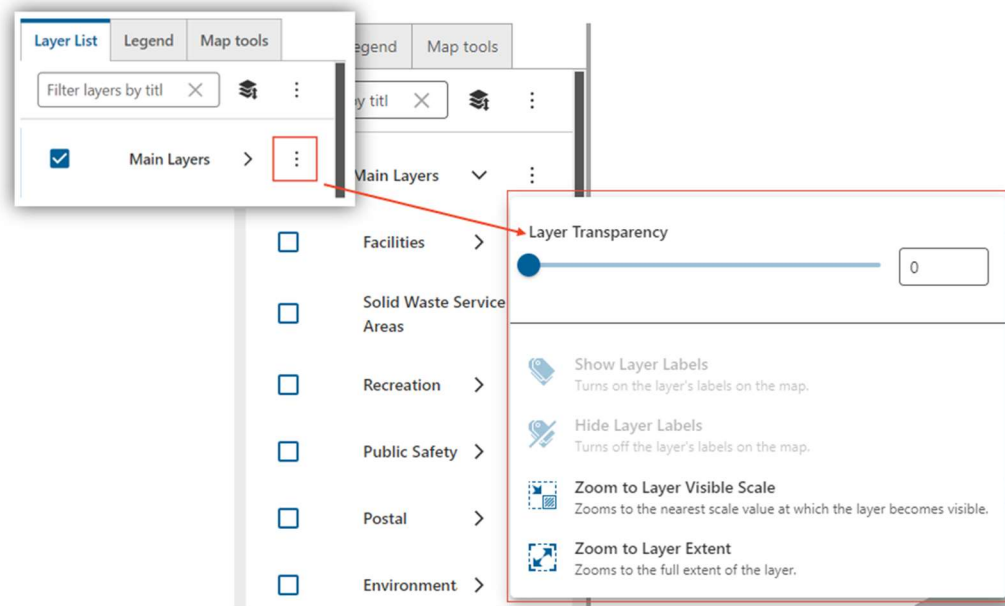
To turn layers on and off in the map display, click the box located to the left of the layer name.



Layer Action Menu

Each layer has an “Action Menu” that contains settings for layer transparency, label visibility and layer zoom extent.

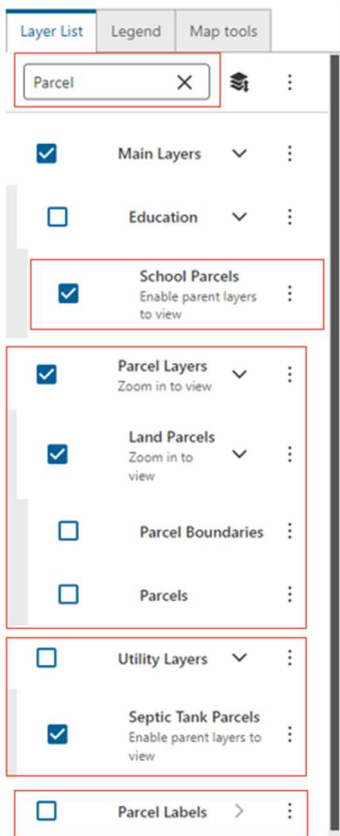
To access the “Action Menu” for any layer, click the three vertical dots to the right of the layer name.



Filter Through Available Layers in the Layer List

At the top of the Layer List Panel, there is a “Filter Text Box” designed to assist in finding specific layers in the Layer List.

To filter through the layers, start typing a layer name in the “Filter Text Box” and watch as the Layer List display changes.



Reorder Visible Layers on the Map

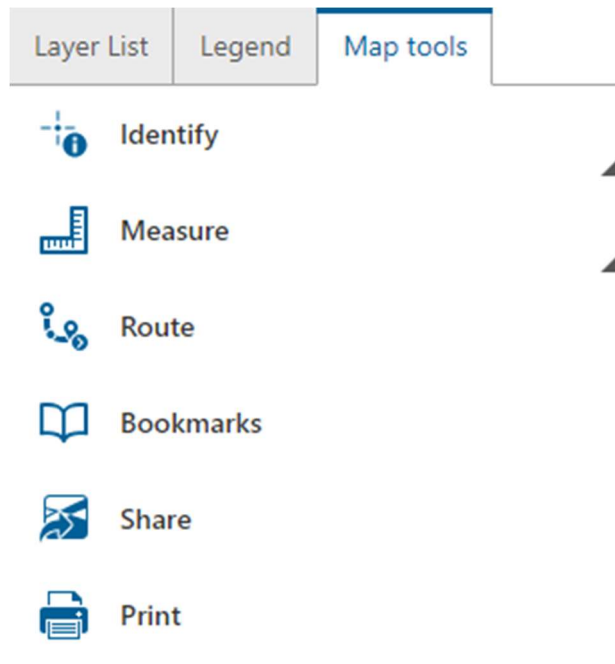
Reorder the layers on the map to create a new visual experience.

To reorder the layers, click the reordered button. This will change the Layer List display to show each layer with a set of arrows beside it to move the layers up or down in the layer hierarchy.



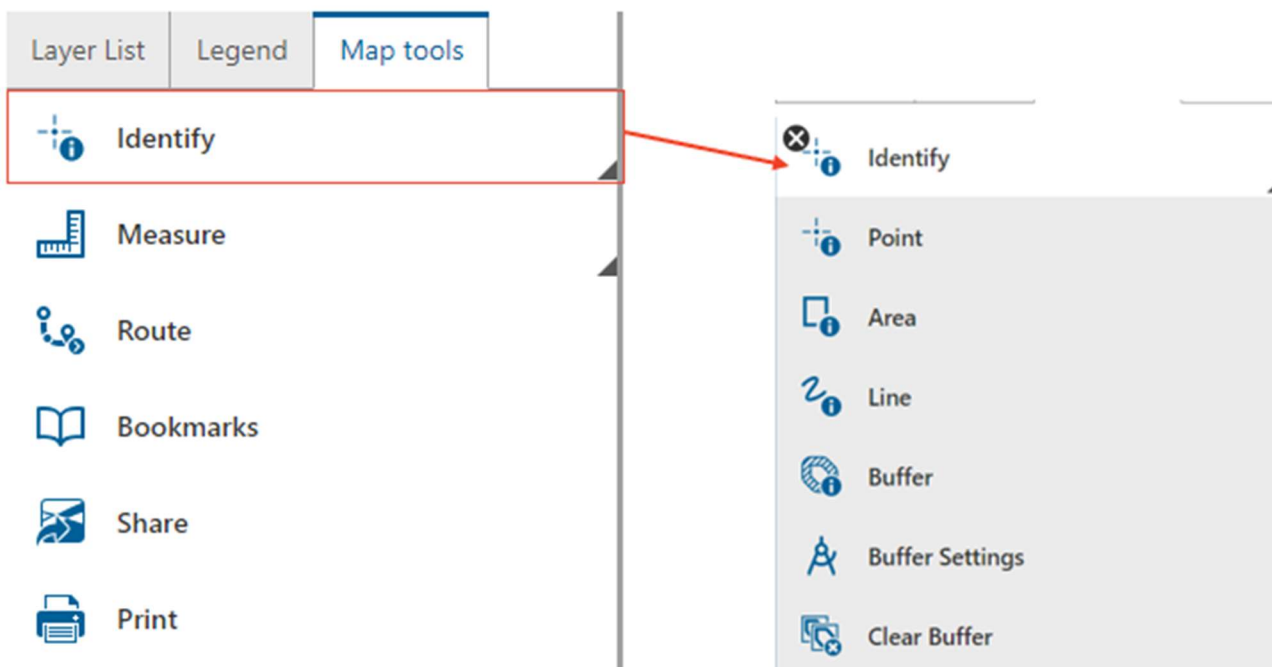
How to use the Map Tools

In the Map Tools tab, there are different tools that can be utilized to assist in data analysis and map sharing.



The “Identify” Tool

The Identify tool is used to select a point, line, or area and gather all map data information beneath the “identified” area.



To execute an Identify operation, select the Identify tool (Point, Area, Line, or Buffer) then click an area on the map. This will activate a “Results Tab” on the left pane showing all features under the “identified” area.

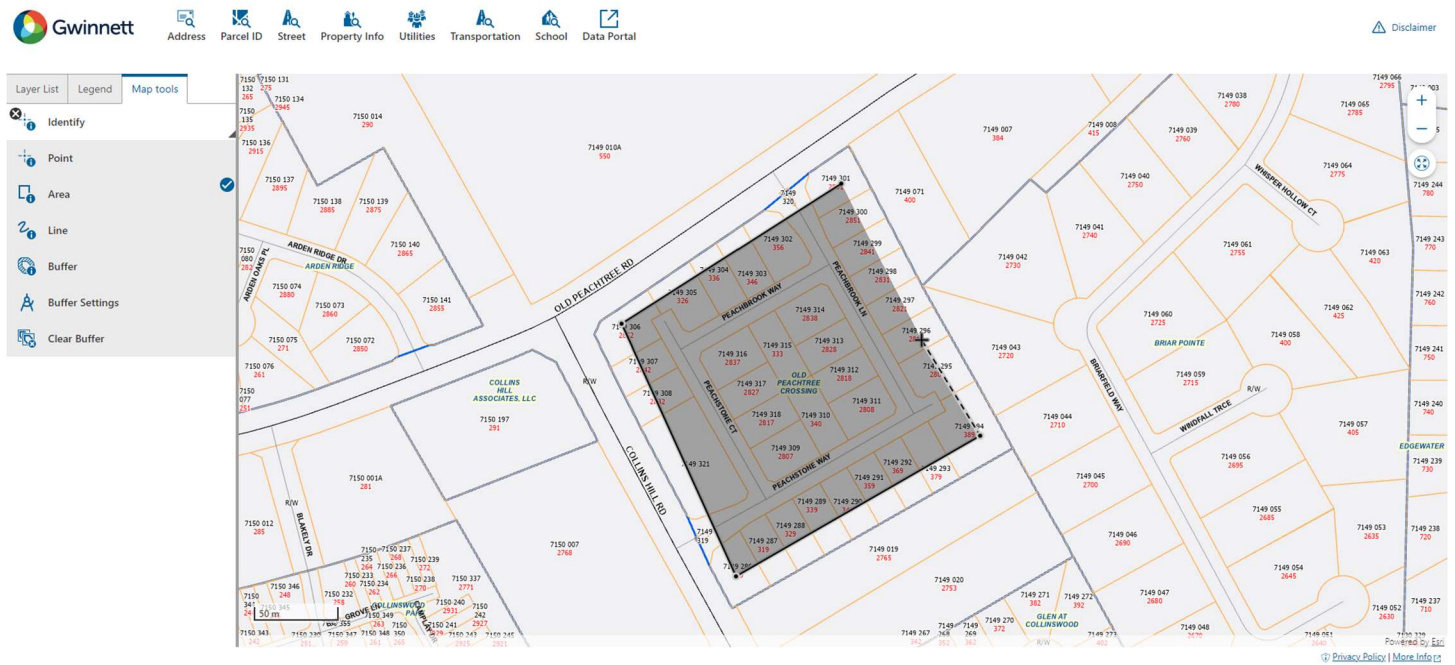
Point Identify

Click a point on the map to Identify all map data at that point.



Area Identify

Draw an area on the map to Identify all map data within that area.



➔ Double Click to end drawing.

Line Identify

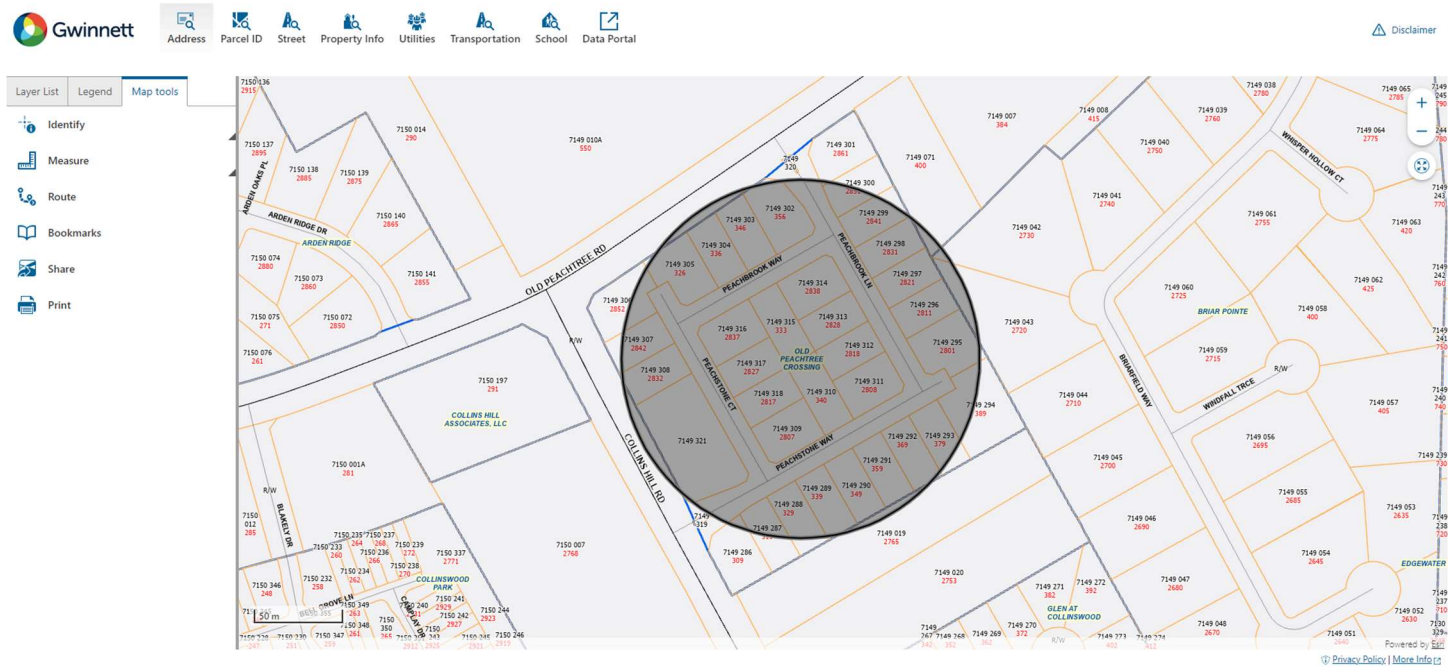
Draw a line on the map to Identify all map data beneath that line on the map.



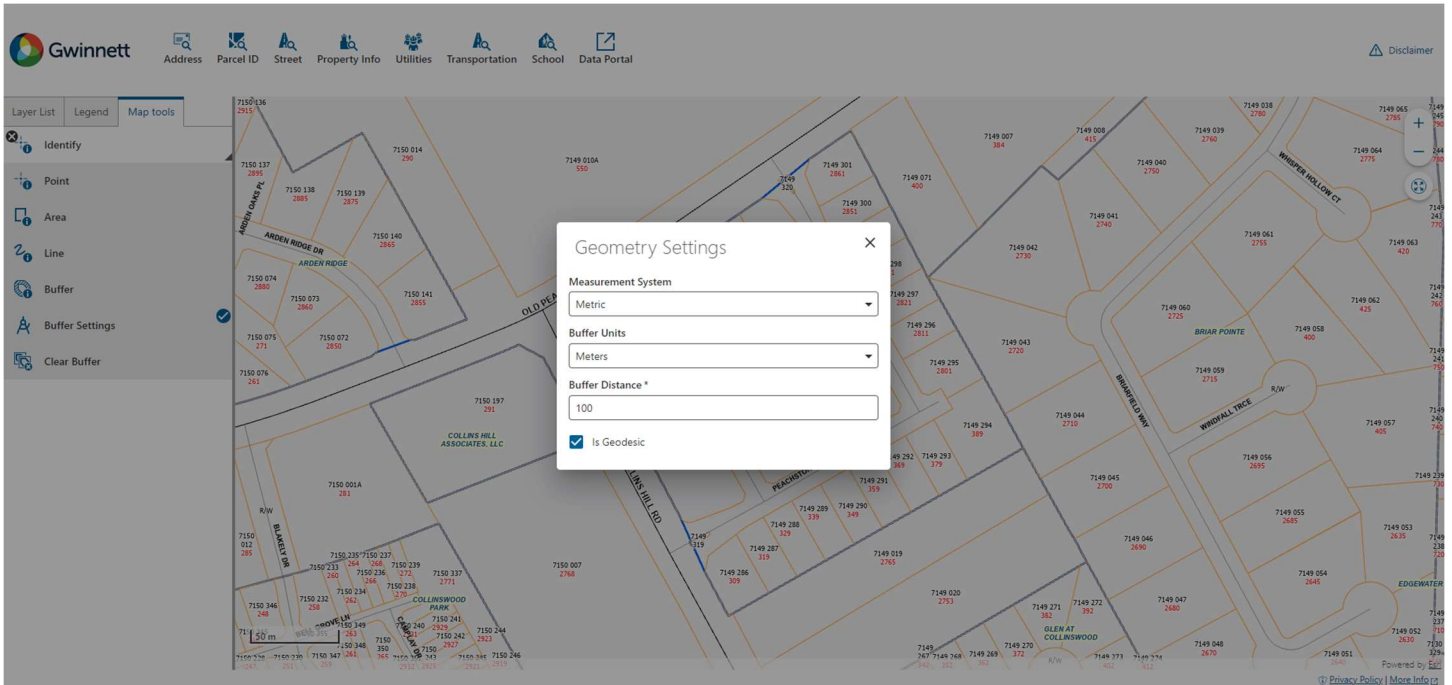
➔ Double Click to end drawing.

Buffer Identify

Create a circular buffer to identify all map data within a certain buffer diameter.



Change the setting to the Buffer before executing the identify function.

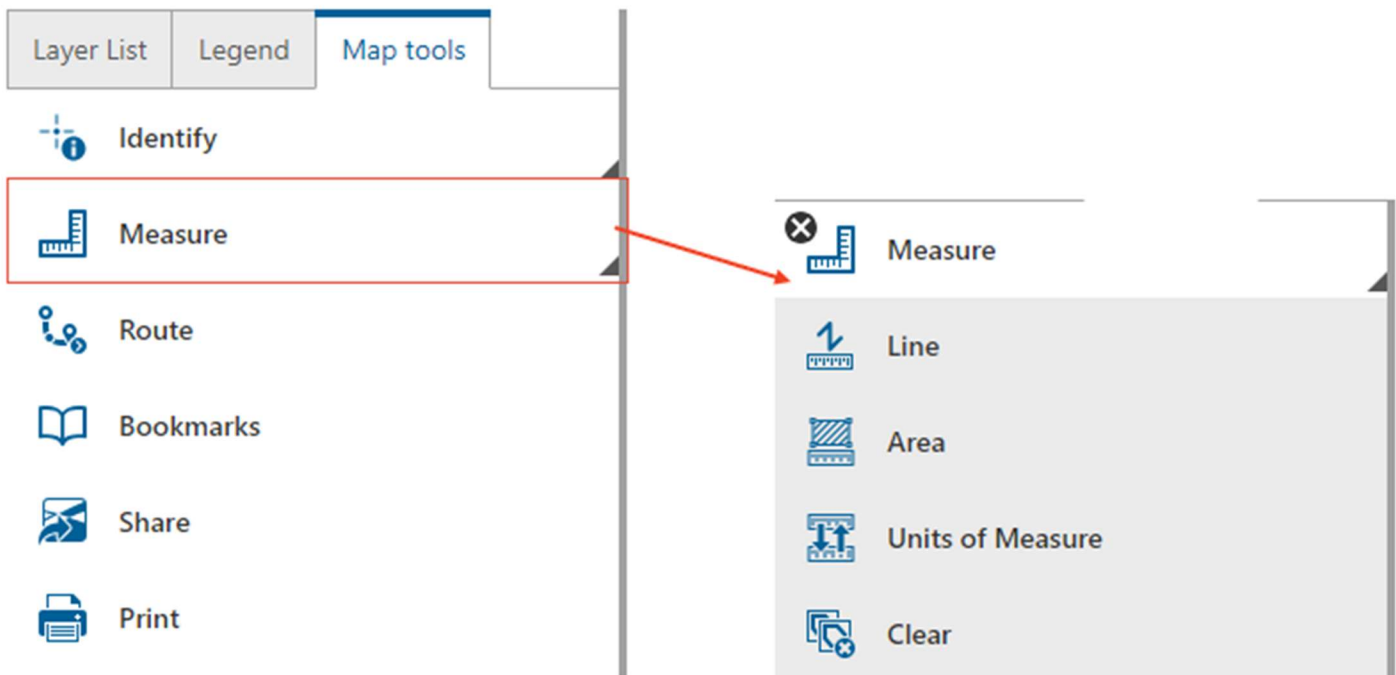


Clear the Buffer geometry from the Map Viewer.



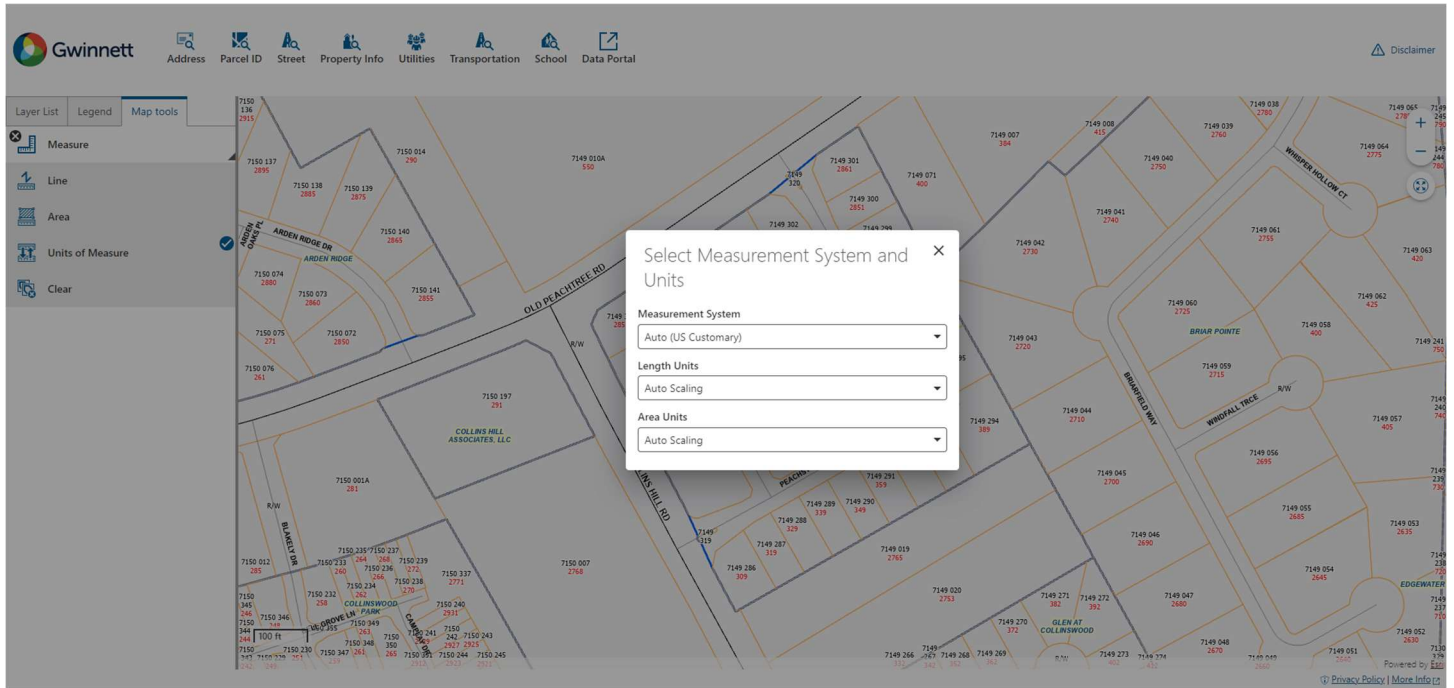
The “Measure” Tool

The measure tool can be used to measure a line or area on the map, using different units of measure.



Units of Measure Settings

Open the Measure tool settings and determine measurement system and units of measure.



Line Measurement

Draw a line on the map and double click to end the measurement. The line will display the total length of the line in the selected unit of measure.

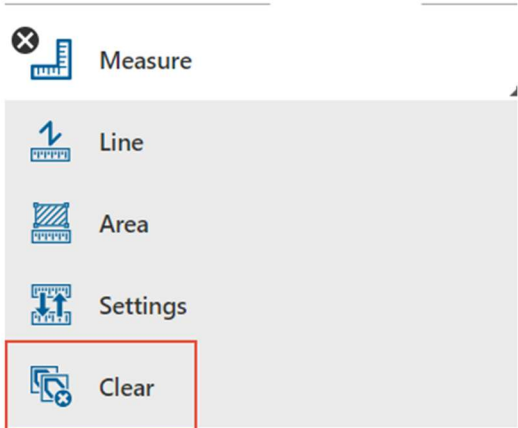


Area Measurement

Draw an area on the map and double click to end the measurement. The area polygon will display the length of each segment and the total area of the polygon, in the selected unit of measure.

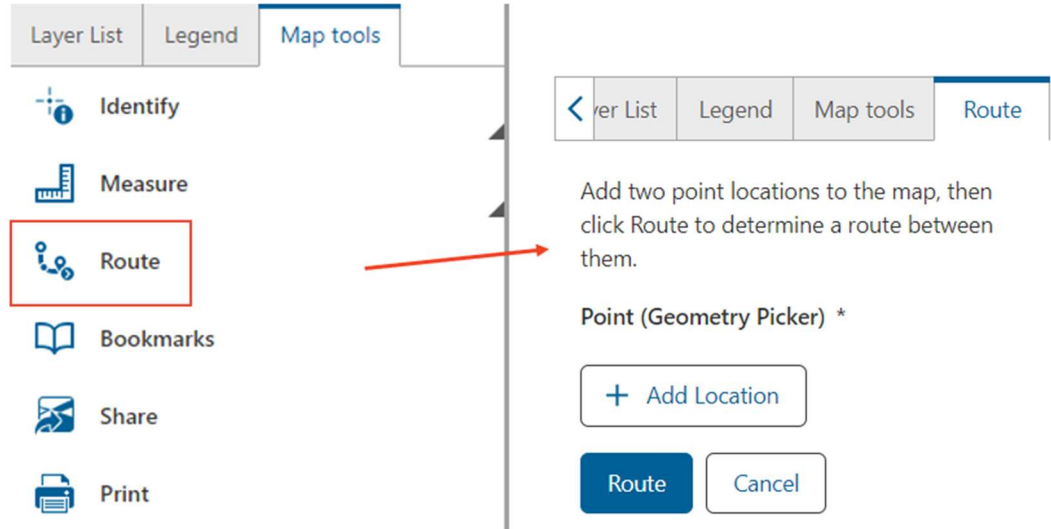


To clear the measurement geometry from the map, select the “Clear” button.




The “Route” Tool


Create a route from one location to another, to determine distance and approximate travel time between the two locations.



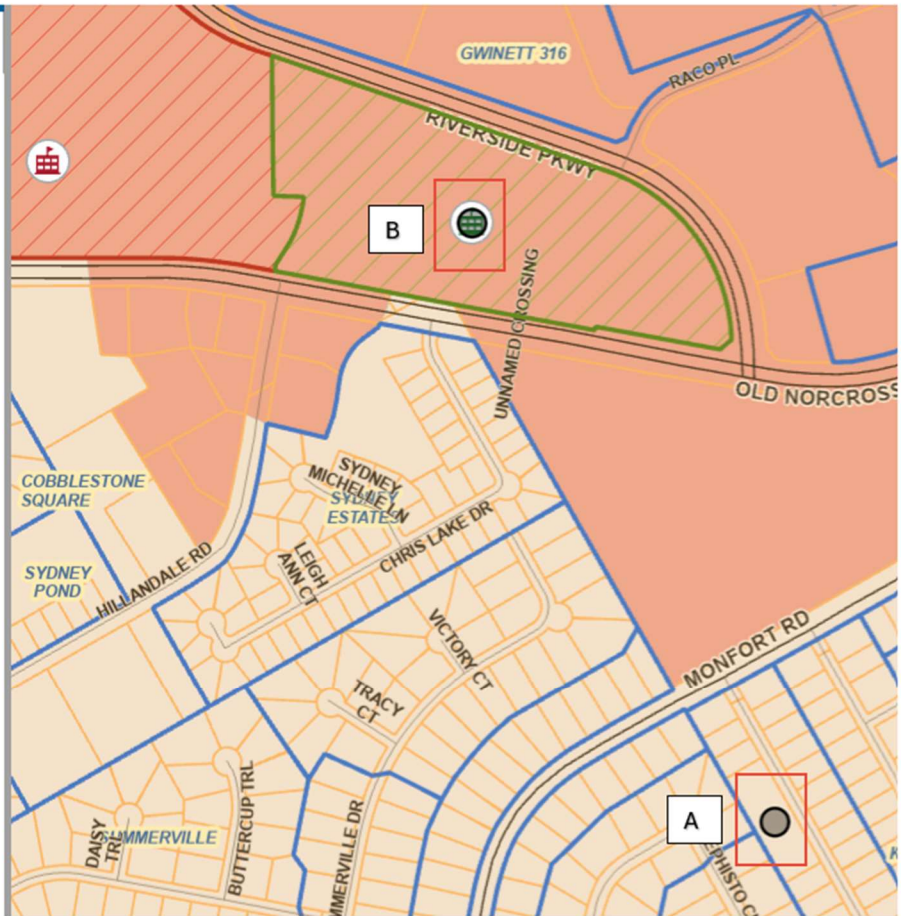
Add two point locations to the map, then click Route to determine a route between them.

Point (Geometry Picker) *

Location 

Location 

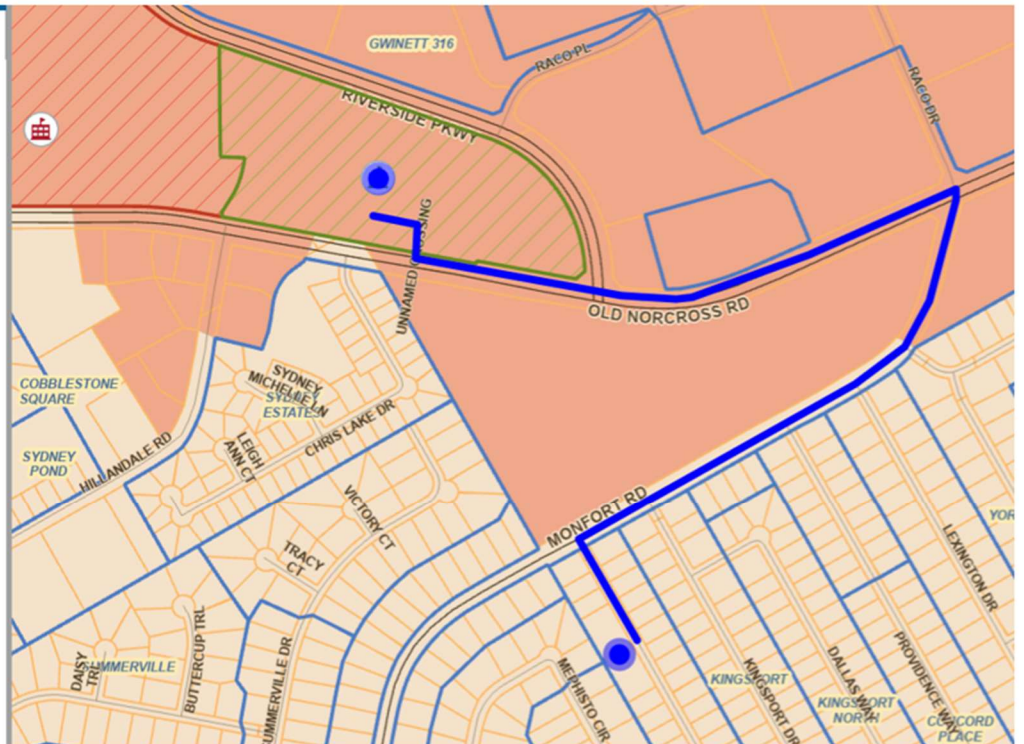
+ Add Location



Look for the route drawn on the map, between the two selected points.

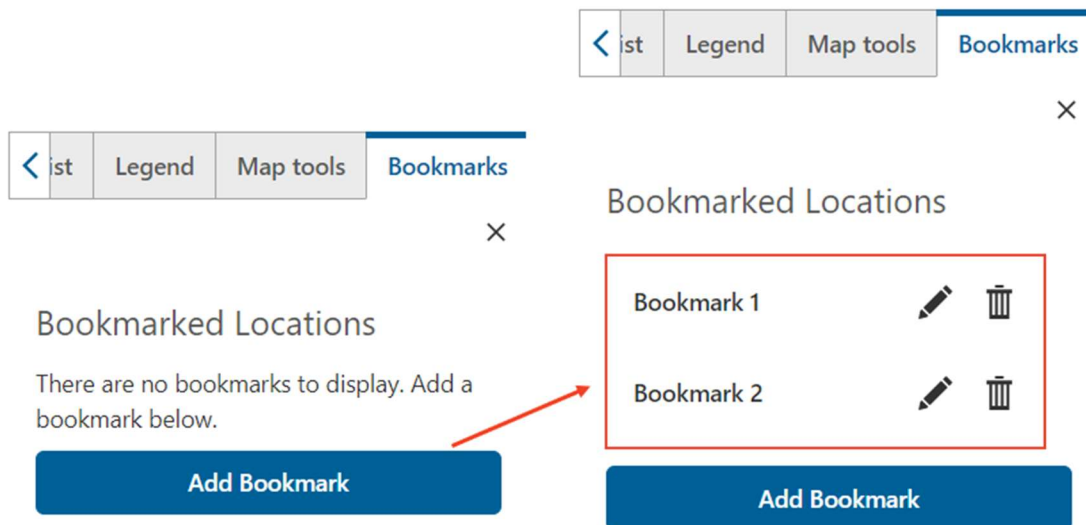
The approximate drive length is: 1.10 miles

The approximate drive time is: 2.63 minutes



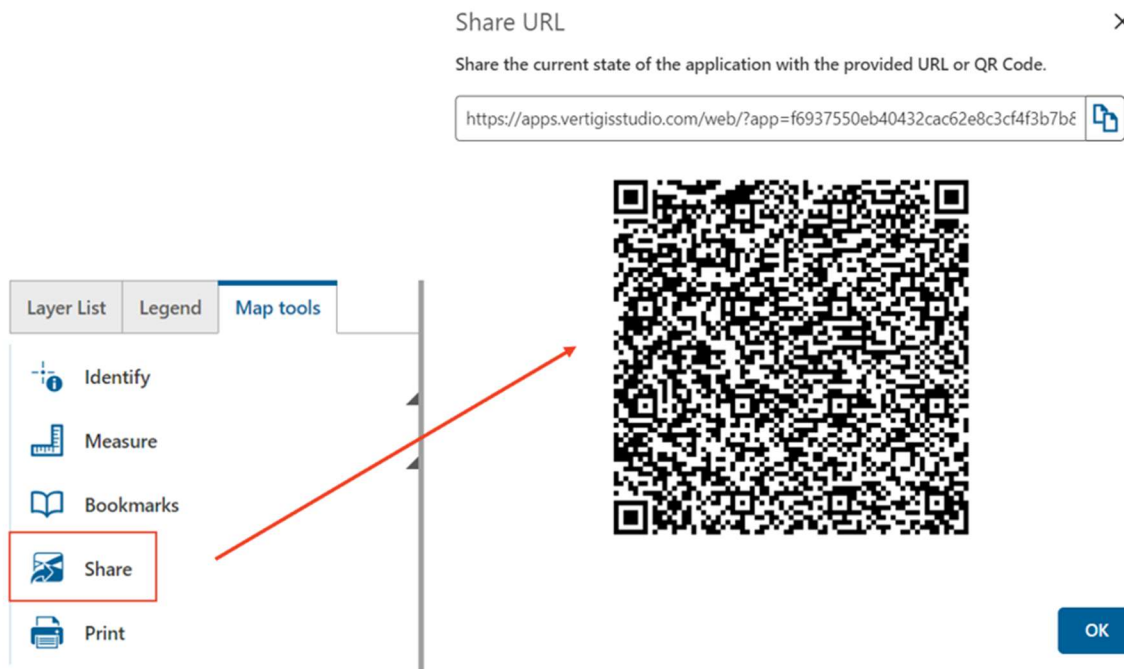
The “Bookmarks” Tool

Create bookmarks of different map areas to make locating and saving data even more simple.



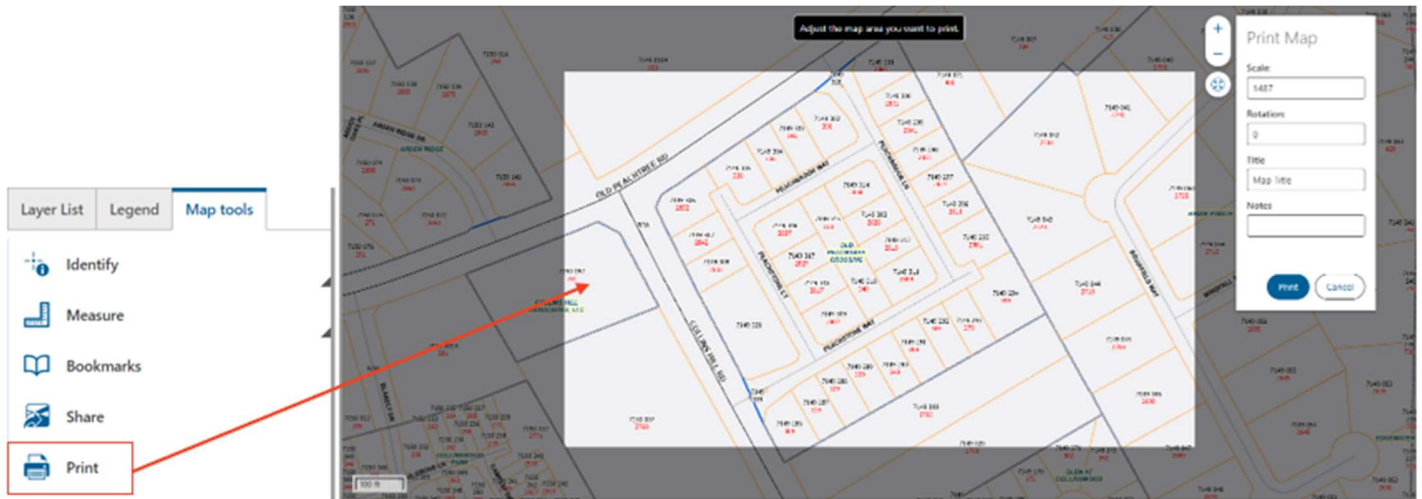
The “Share” Tool

The Share tool generates a QR code and URL to share the current map settings. All currently visible layers and map extent are saved and shared with the QR Code/URL.



The “Print” Tool

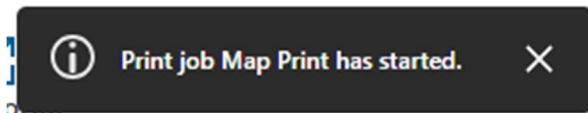
Use the Print Tool to create a map layout of the current map view.



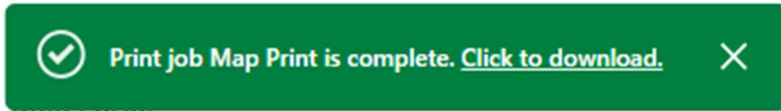
Change the Scale, Map Rotation, Map Title, or add notes in the “Print Map” panel.

Click the “Print” button to start the Print job.

Print Job “Started”



Print Job “Complete”





How to [Return to the Main Layout Theme](#) from “Property Info”, “Utilities”, “Transportation”, or “Schools” Layout Themes

When the Property Info, Utilities, Transportation, and Schools Layout Theme widgets are clicked, the browser navigates from the “Home”, Main Layout, to a new webpage specific to the theme. To return to the original layout theme, click the “Home” button on the top Search Panel.

Property Info Layout Theme



Utilities Layout Theme



Transportation Layout Theme



Schools Layout Theme

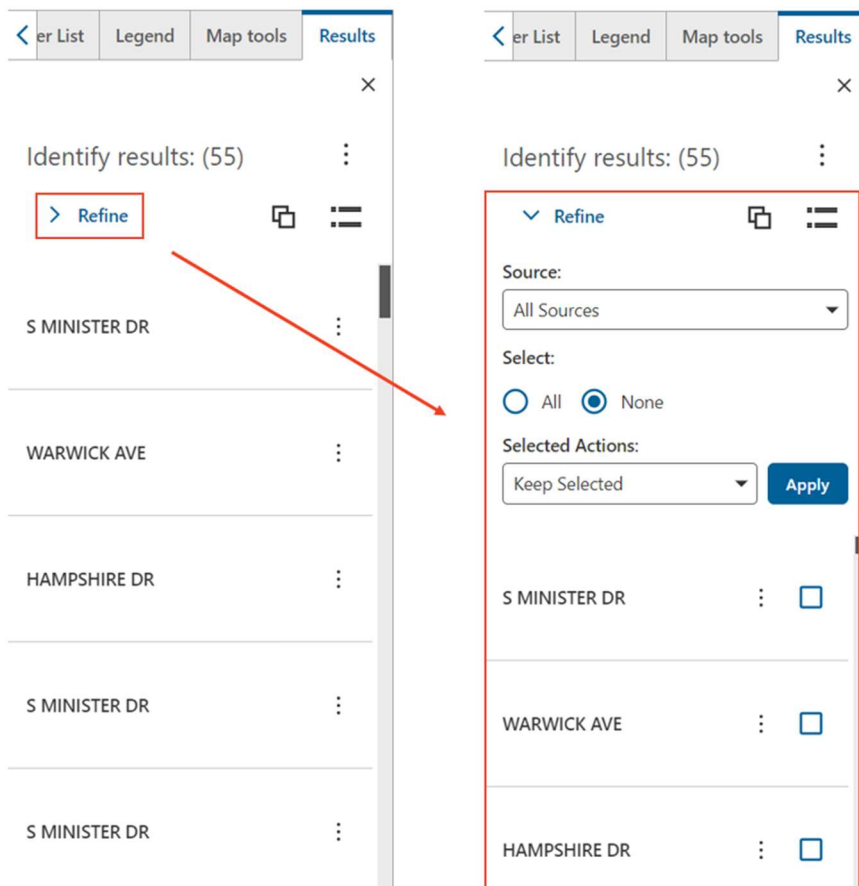


How to Manage the Search & Identify Results

The Results tab provides different ways to sort through the data and simplify the results displayed on the map. The same settings apply to either the search results tab or the identify results tab.

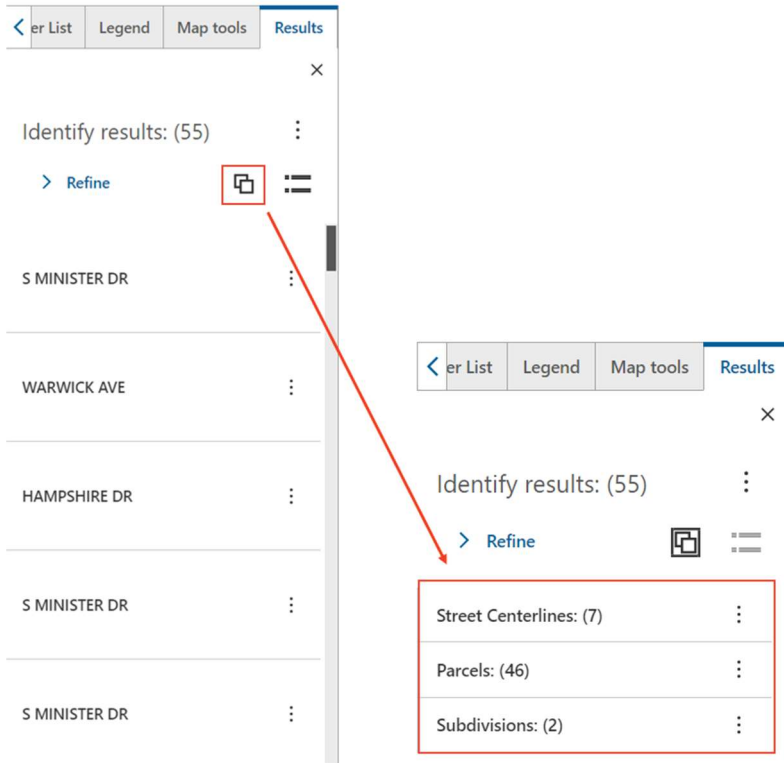
“Refine” Results

Use the “Refine” menu to hand pick which results are kept.



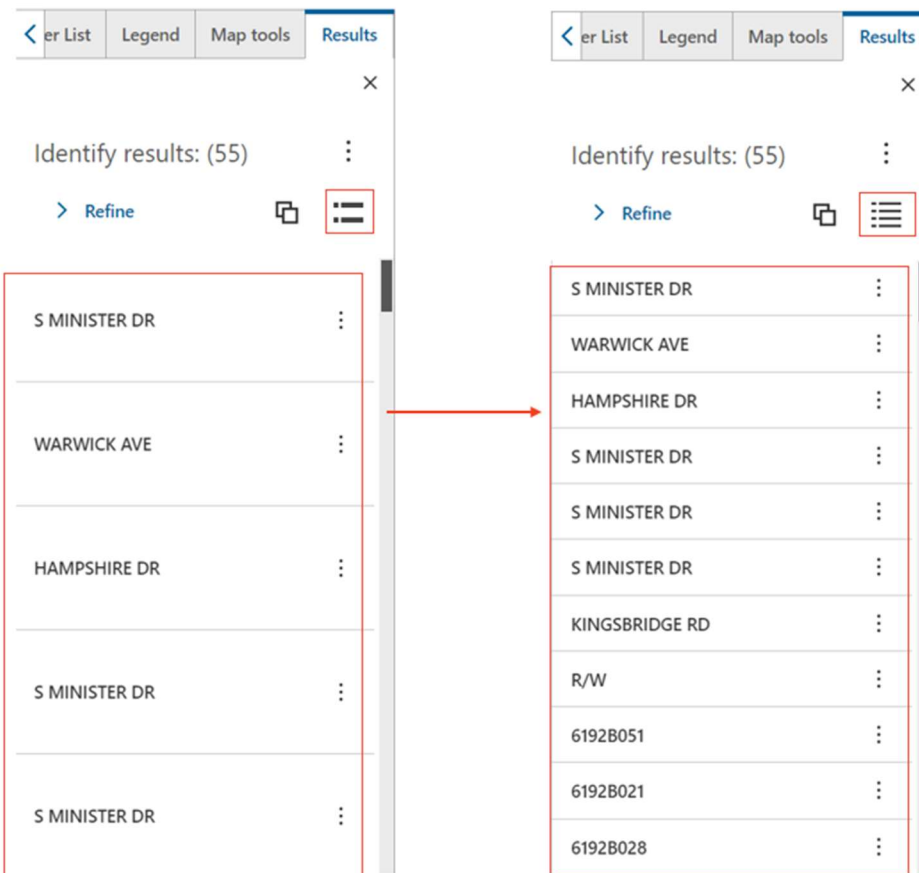
“Group” Results

Use the “Group” function to group results by feature.



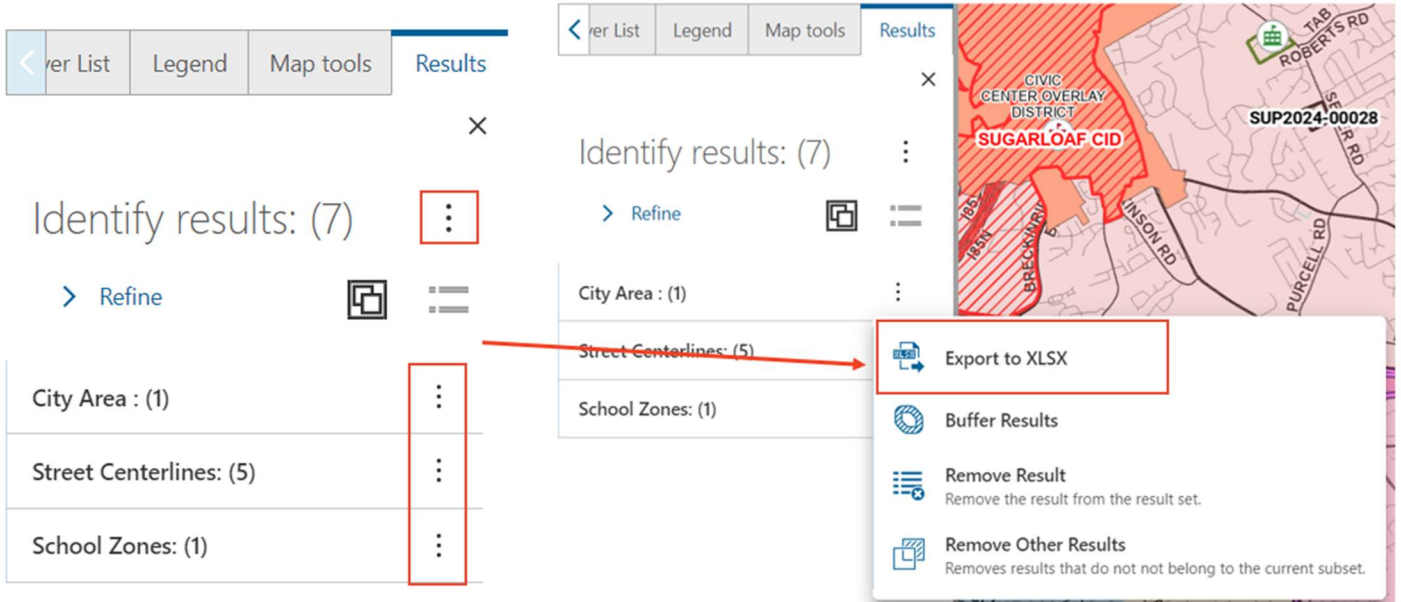
Compress the Results Size

Using the “Toggle Size” function, compress the results to a smaller size and display more results at a time.



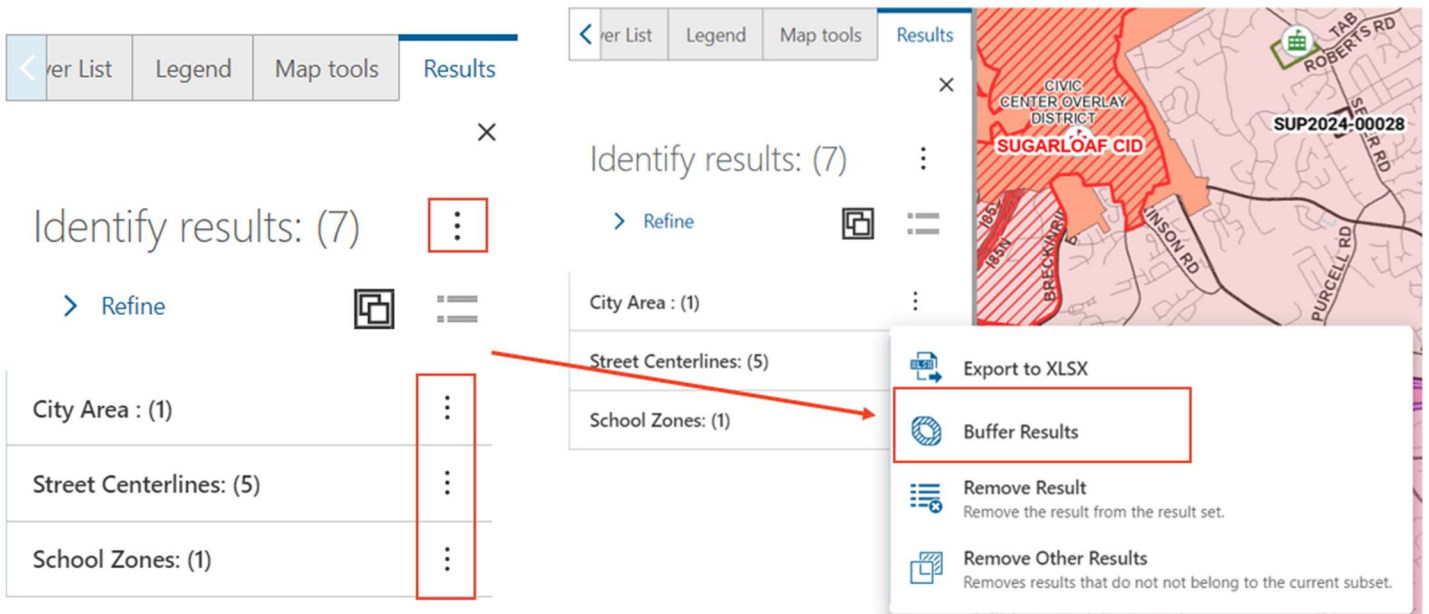
Export Search or Identify Results

Use the Results tab Action Menu to Export both Search and Identify Results.



Buffer Search or Identify Results

Buffer Search or Identify Results to see other features surrounding the original search results.



Remove Results (One or Many)

The screenshot shows the 'Results' panel with a list of identified features: City Area (1), Street Centerlines (5), and School Zones (1). A red box highlights the vertical ellipsis menu next to the 'Street Centerlines (5)' entry. An arrow points from this menu to a context menu that appears over a map. The context menu includes options: 'Export to XLSX', 'Buffer Results', 'Remove Result' (with a sub-description: 'Remove the result from the result set.'), and 'Remove Other Results' (with a sub-description: 'Removes results that do not belong to the current subset.').

Detailed Results Tools

To access the detailed results for a feature, select one of the Search or Identify results.

The screenshot shows a list of search results for 'LANGFORD RD'. A red box highlights the vertical ellipsis menu next to the first entry. An arrow points from this menu to a detailed view window for 'LANGFORD RD'. The detailed view includes a toolbar with icons for navigation, location, export, delete, and print. Below the toolbar is a table of attributes:

Centerline ID	126651
Left From Address	2881
Left To Address	2899
Right From	2880
Address	
Right To Address	2898
Full Road Name	LANGFORD RD
Federal Route	
Federal Route Type	
Alternate Federal Route	
Alternate Federal Route Type	
State Route	
State Route Type	
Alternate State Route	
Alternate State Route Type	
County Route	
One Way Indicator	
Above or Below	Ground Level
Grade	
In Water	No

Use the tools in the Results Detailed View to better visualize and organize results.



Zoom to result(s) on the map.



Create a temporary highlight on the result(s).



Export the result(s) to an excel file.



Remove the result from the results list.



Remove all other results from the results list.