City of Peterborough

e-Maps 2.0

Help Guide

Geomatics/Mapping Division
City of Peterborough 2018

peterborough

Contents

About e-Maps 2.0

The e-Maps 2.0 website was developed to serve residents and visitors of the City of Peterborough. Users can do a variety of things such as search addresses, find points of interest, and view aerial photos. This guide gives an overview of e-Map 2.0's tools and capabilities. For further help or feedback, please contact **gis@peterborough.ca**

Copyright and Disclaimer

The City of Peterborough provides the information contained e-Maps 2.0 in good faith, but provides no warranty nor accepts any liability arising from incorrect, incomplete or misleading information or its improper use.

The information presented in the maps is intended for ***personal use ONLY***. Any party interested in using the City of Peterborough's mapping for *commercial use* (e.g. advertisements) MUST contact the Administrator the Geomatics/Mapping Division to arrange for payment and to sign a formal User Agreement.

The cadastral (property boundary) information portrayed on the Interactive Map should be used as a guide and not for defining legal boundaries. Administrative decisions should be based on legal documents and legal survey plans not e-Maps 2.0.

Browser Compatibility

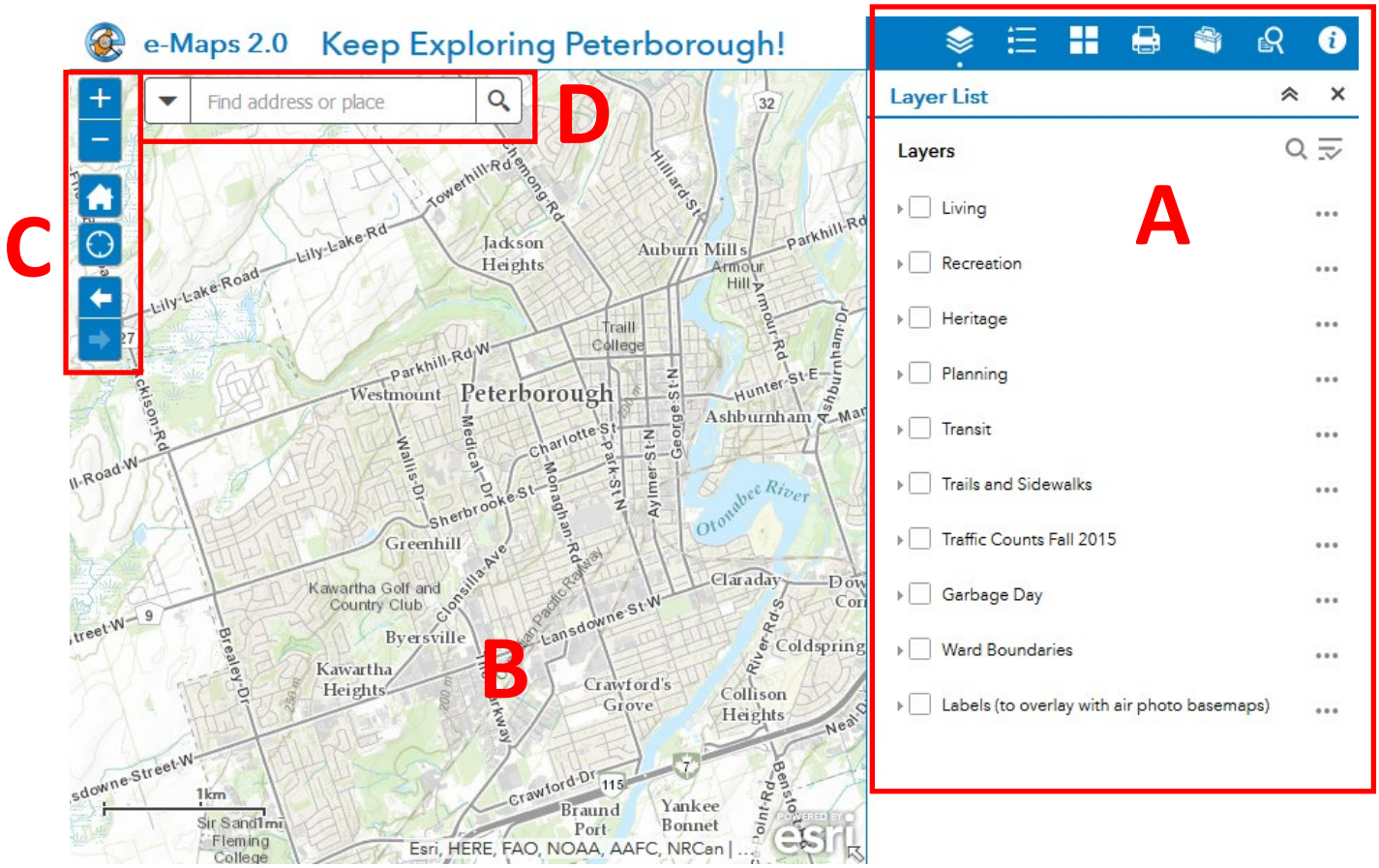
e-Maps 2.0 works best on these popular browsers:

- Chrome
- Firefox
- Safari 3 and later + including the iPad
- Internet Explorer 10 and above

Layout

The layout of e-Maps 2.0 is comprised of the following:

A. Sidebar Pane: Layer List and Legend, Basemap Gallery, Tools, Looks Ups, Additional Info
B. Main Map Window
C. Navigation tools
D. Search Tools



Navigation Tools

Map Navigation can be done by scrolling with the mouse wheel to zoom in and out, or clicking and dragging the mouse to pan. Other tools are available on the top left of the map.

Zoom In/ Out

Hit the + to zoom in one level and the – to zoom out one level

Home

Zooms to the original extent of the map

My Location

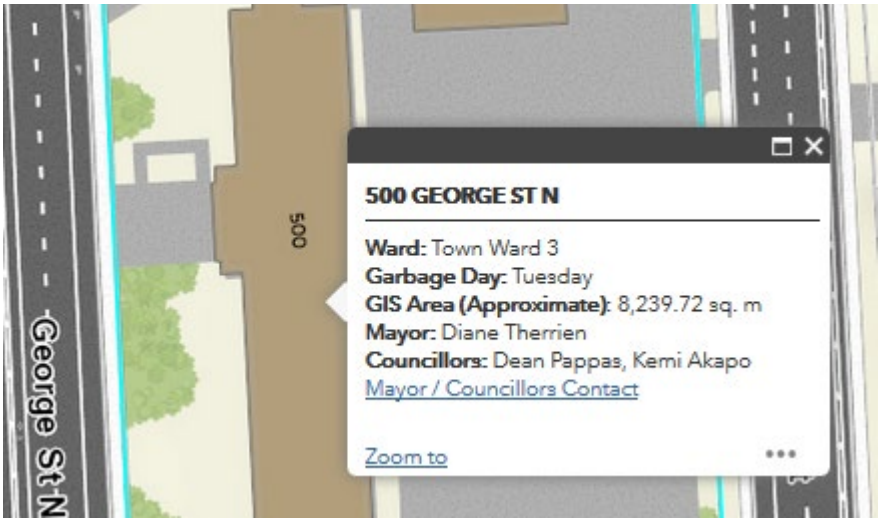
The My Location widget allows the network to detect your physical location and zoom to it on the map. The location can be highlighted if necessary. When the app runs on desktops, it uses the browser on the network to detect the location. When the app runs on mobile devices, by default, it uses GPS on the device to determine your location.

Extent Navigation

Click the arrows on the screen to navigate the map to its previous or next extent.

Property Information

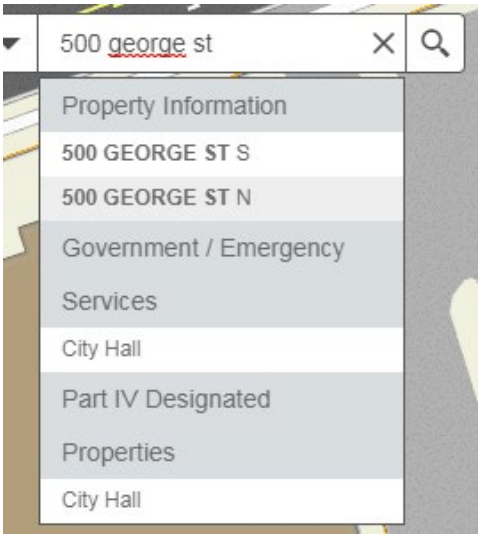
To turn on property information, open the layer list  and check the box next to Planning. This will turn on the Property Information layer. Zoom in and click on a property to open a pop-up with detailed property information such as ward, garbage day, approximate GIS area, mayor and council members. This pop-up also appears when you search an address in the search bar.



Search Bar

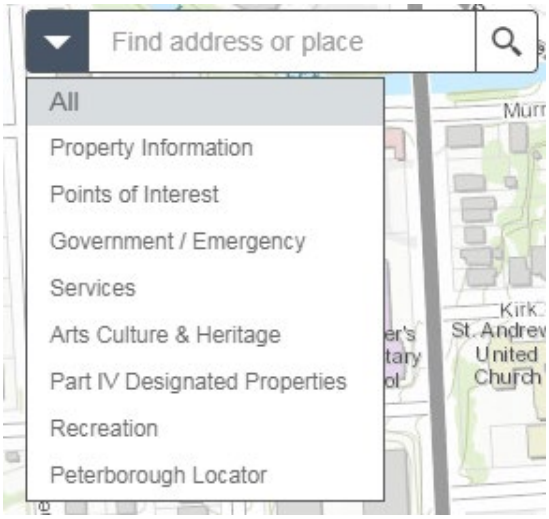
Search for an Addresses/Points of Interest and more…..

The following types of information can be searched for here…..Property Information, Points of Interest, Government/Emergency Services, Arts, Culture & Heritage, Part IV Designated Properties, Recreation City parks and sports facilities, Government & Emergency Services, Historic Buildings.



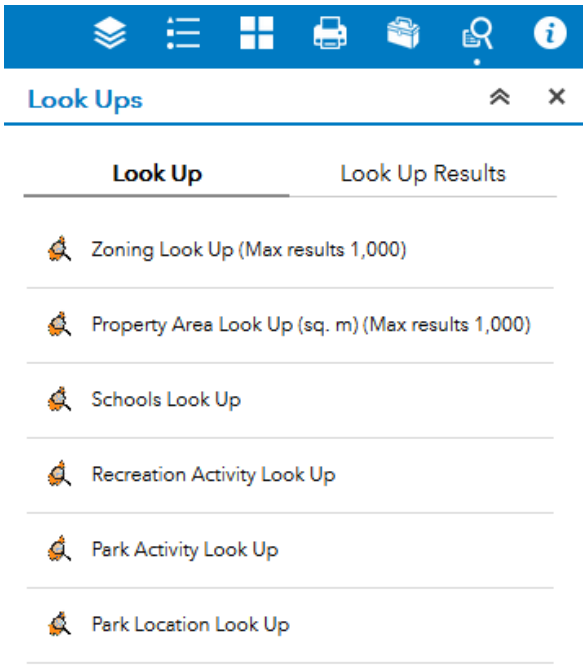
For example: Type in a City of Peterborough address into the search box. The dropdown will fill with candidates that you can choose from. By default, property information is the first layer you search so if you search an address and pick it from a list, the map will zoom to the property and a pop-up will appear. The results are categorized by the layer the data is coming from.

If you only want to search from one layer, click on the arrow on the top left of the search bar and pick the layer from the list. Then type in your search.



Look Ups

Look Ups are found in the right Sidebar panel

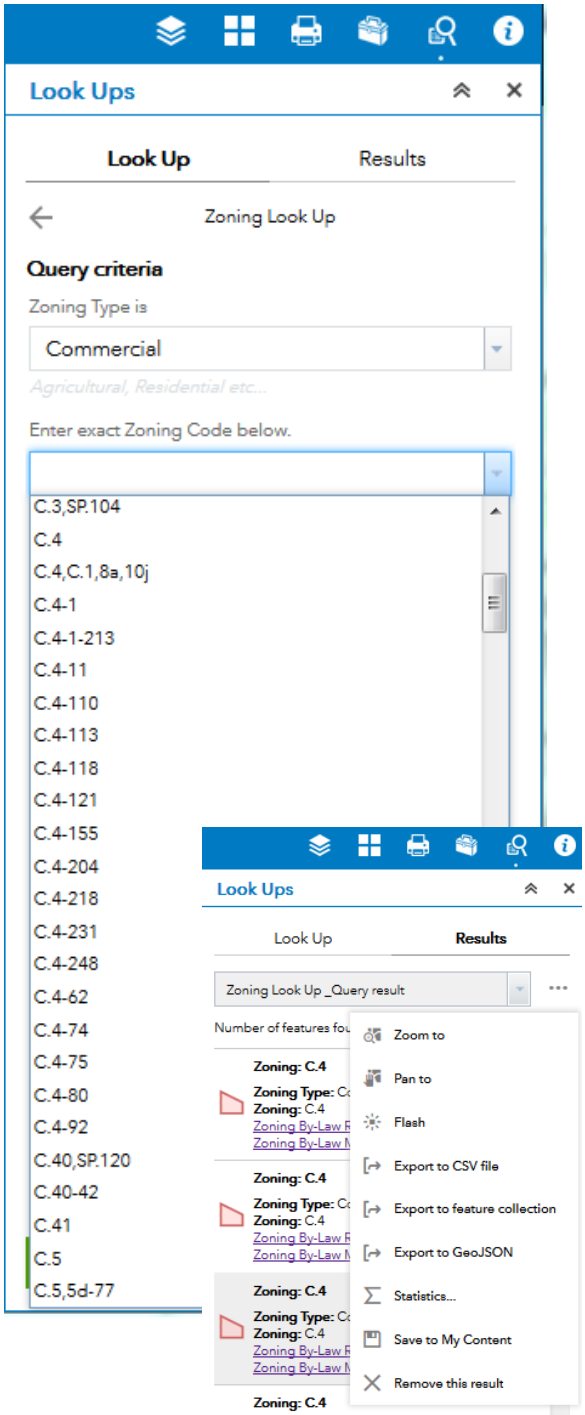


The types of Look Ups available are listed when you press on the tool icon (as above).

The image on the right shows an example of a Look Up for Zoning. In the top box you can optionally specify zoning type. In the bottom you can choose a zoning code from the dropdown list.

Once you choose a code the results will be listed and you can see them on the map or zoom into them individually.

To remove the query results click on the three dots next to the Results dropdown and choose Remove this result from the context menu.



Overview Map

The Overview Map is located in the bottom right corner of the map window. It shows the surrounding area of the location you are zoomed into in the map window. The grey box represents the extent that you are zoomed in on the main map window. This window can be minimized by clicking on the upper right arrow within the window.

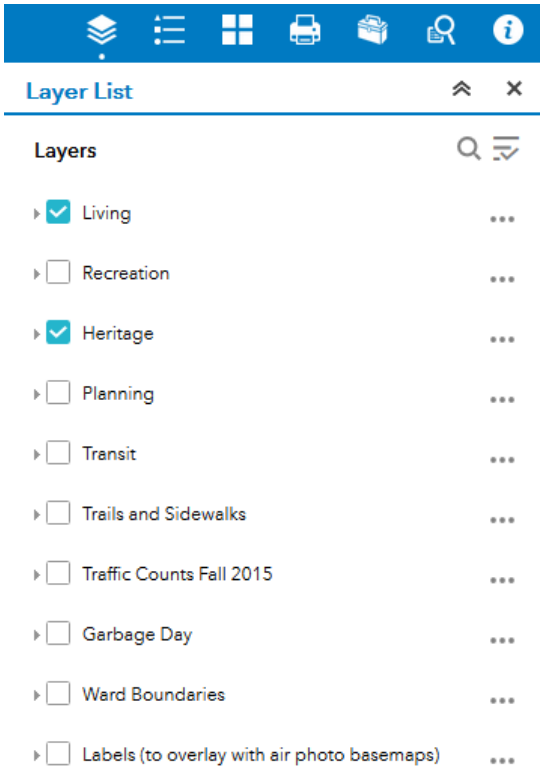
Basemap Gallery

e-Maps 2.0 as a variety of basemaps that you can switch between in the Basemap Gallery:

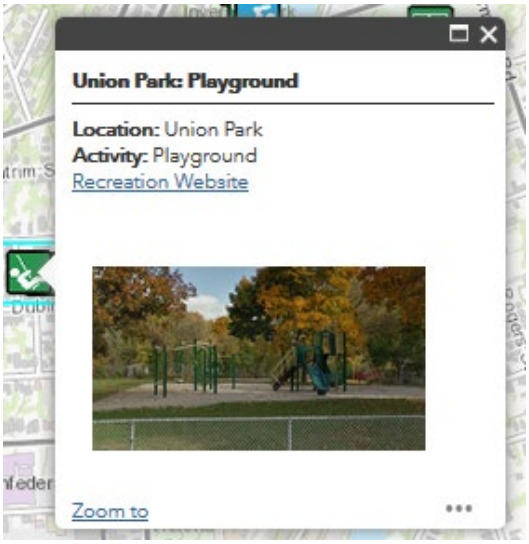
The Aerial Photograph Maps are from years 2016, 2015 (summer), 2013, 2011, 2005, 1996, and 1988. The Topographic, Dark Gray, and Light Gray basemaps contains data from the Esri Canada Community Maps Program**.** The dark grey or light grey basemaps are ideal as a background for more colourful operational layers such as traffic counts:

Layer List and Legend

The Layer List Menu is located on the right sidebar pane. There are many map categories to choose from such as Living, Heritage, Planning, Transit, Trails and Walking Paths, Garbage Day, Ward Boundaries, and Labels. To see the layers within each category, click on the category name to expand the list. Individual layers can be turned on and off by clicking in the checkboxes next to the layer name. If the layer does not show up right away click on the map or zoom out. Keep in mind that not all layers are visible at all scales so you may have to zoom in or out to see specific layers.

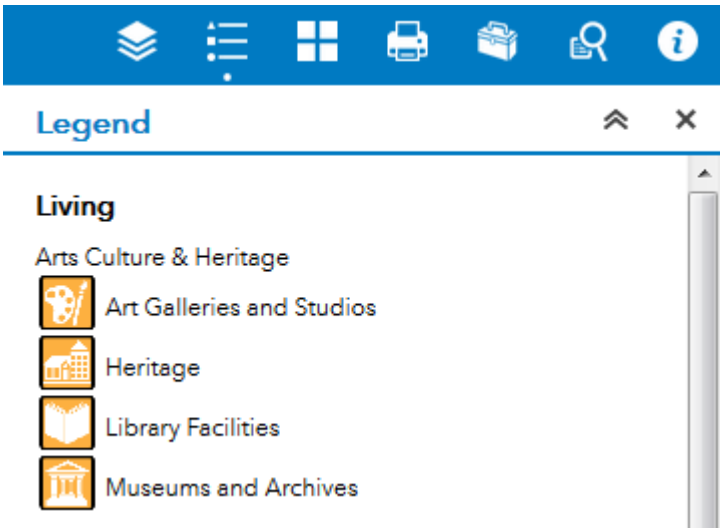


Once layers are turned on, most can be clicked on to display a pop-up with additional information:

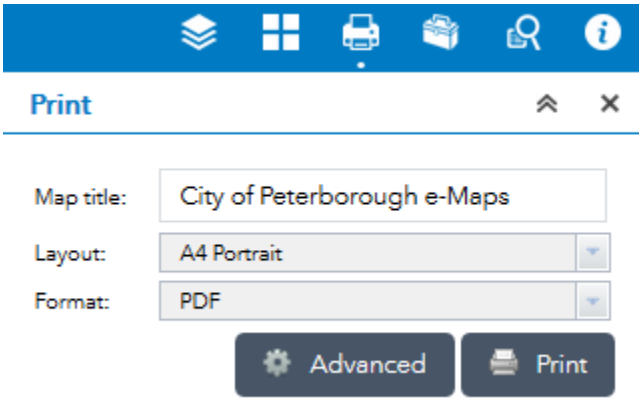


To see the legend for individual layers, click the Legend button on the sidebar pane.

Another way to see legend of individual layers is to click on the name of the layer in the Layer List pane. This will expand the legend.



Print Tools

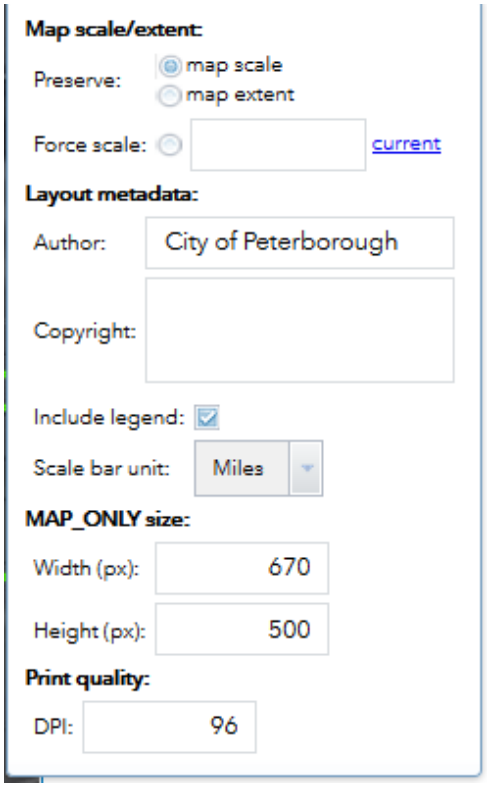


Print tools are located in the second menu of the left sidebar on the e-Maps 2.0 screen.

There are a variety of layout options to choose from: A3 Landscape, A3 Portrait, A4 Landscape, A4 Portrait, Letter ANSI A Landscape, Letter ANSI A Portrait, Tabloid ANSI B Landscape, Tabloid ANSI B Portrait, MAP_ONLY

The following format options are available: PDF (georeferenced), PNG32, PNG8, JPG, GIF, EPS, SVG, SVGZ

Advanced Print Menu Options



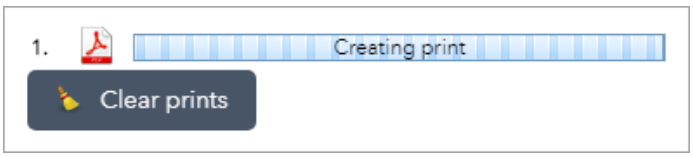
The Advanced print menu options are to the right. The Map scale/extent section defines the method will calculate the printed extent of the map. Preserving map scale causes the printed map to maintain its scale while recalculating the extent around the existing center point. Preserving map extent causes the scale to adjust to fit the current map extent onto the printed map. You can also force a specific scale by checking the Force scale option and providing a scale. Click current to populate the value with the present scale of the map.

The Layout metadata section allows you to override the default values set by the configuration. Check the Include legend check box to display the legend on the printed map.

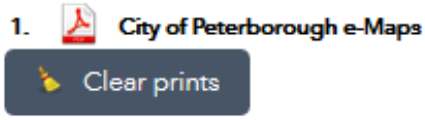
If the MAP_ONLY format is selected, you can provide dimensions for the Width and Height properties in pixels. Otherwise, these values are ignored.

The Print quality section allows you to update the resolution of the printed map. Provide an updated value for the DPI (dots per inch) in the text box.

After all options have been set with the applicable values, click Print to submit all information to the print service.



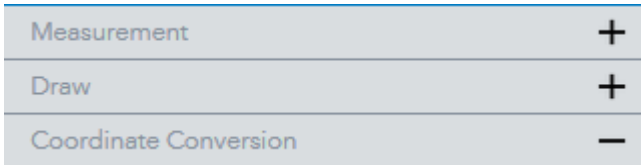
A progress bar displays next to the print job. Upon completion of the print, a link to the print output displays. Click the task to open the file in a new window. Click Clear Prints to clear the print history.



Toolbox Tools

The following tools are available in the toolbox and described in more detail below: Measurement, Draw, Coordinate Conversion.

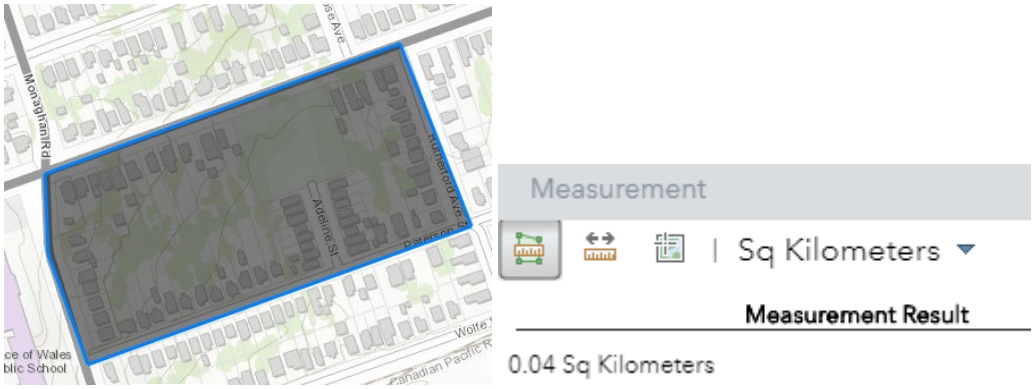
If you are working with one tool and want to minimize the others, click on the minus sign (–) next to the tool name. To expand the tool, click on the plus sign (+) next to the tool name.



Measurement

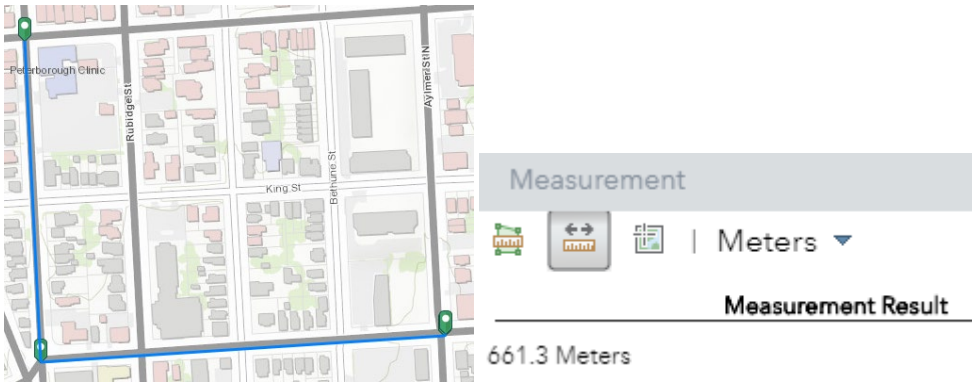
Area

Click on the Measure Area tool and draw a shape around the area you want to measure. The measurement will be displayed in the Measurement Result area of the Measurement window. Use the dropdown to change the units. To remove the measurement, click the Area tool.



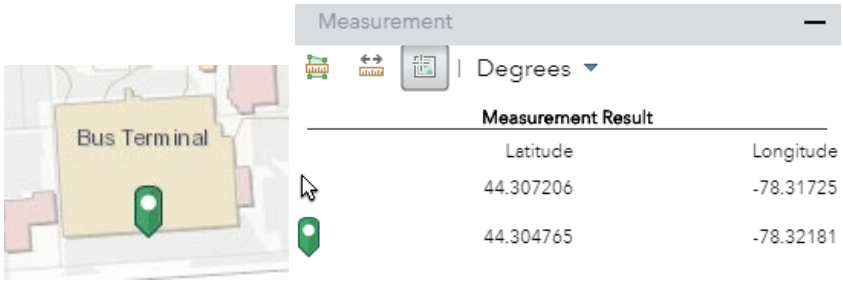
Distance

Click on the Measure Distance tool and draw lines where you want to measure. The measurement will be displayed in the Measurement Result area of the Measurement window. Use the dropdown to change the units. To remove the measurement, click the Distance tool again.



Location

Click on the Location tool and draw a point at the location of interest. The measurement will be displayed in the Measurement Result area of the Measurement window. Use the dropdown to change the units. To remove the measurement, click the Location tool.

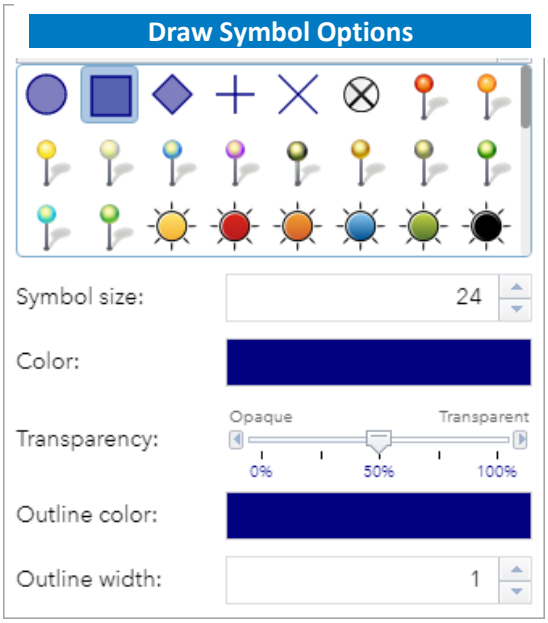


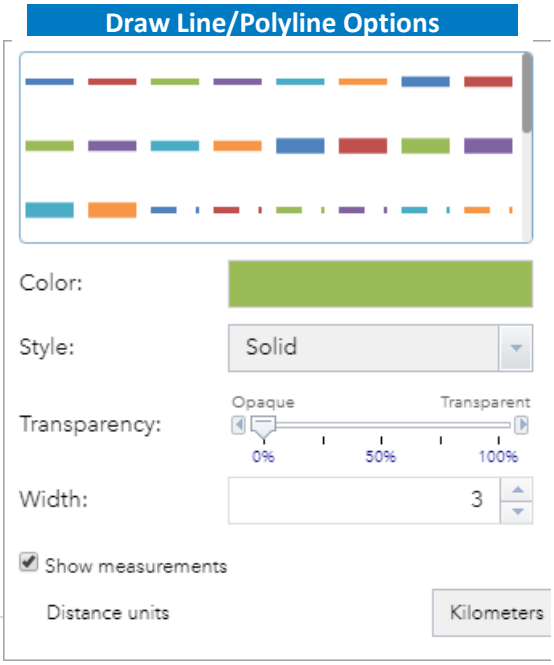
Draw

When the tool opens, a dialog box appears that contains 11 feature creation tools. From left to right, they are as follows: Point, Line, Polyline, Freehand Line, Triangle, Rectangle, Circle, Ellipse, Polygon, Freehand Polygon and Text

To get started with the Draw widget, complete the following steps:

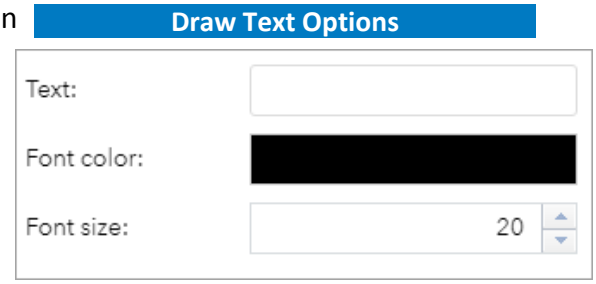
1. Click the symbol type to select the drawing mode.
2. Optionally change the symbol for the feature using the symbol picker.
   a. For point symbols, select the marker category (different symbols are available in each category) to set the size, color, transparency, outline color, and outline width of the symbol. Only the size category is available for picture marker symbols.
   b. For line symbols, select a predefined symbol from the box. You can also customize the color, style, transparency, and width of the symbol. Click the Show Measurements check box and select the Distance Units to display the measurement with the line.
   c. For polygon symbols, select a predefined symbol from the box. You can also customize the fill color, transparency, outline color, and outline width of the symbol. Click the Show Measurements check box and select the Area Units to display the





measurement with the polygon.

d. For text, type the text to be drawn in the Text box, an text.



3. Draw the desired features and text on the map.
4. Open the Layer List widget. The Draw Results layer appears.
5. Click Undo or Redo to undo or redo the drawing features, or click Clear to remove all of them.

Coordinate Conversion

It is common for analysts to work across various systems that use different coordinate systems to pinpoint places on the Earth. The Coordinate Conversion tool allows you to input coordinates using one coordinate system and output to different coordinate systems using multiple notation formats The following coordinate formats are supported:

- Degree-based formats
- Military Grid Reference System (MGRS)
- United States National Grid (USNG)
- Universal Transverse Mercator (UTM)
- Global Area Reference System (GARS)

Using the Coordinate Conversion Tool

1. With the Coordinate Conversion widget open click any location on the map. This location is converted to the output formats that were chosen during configuration.
2. Optionally, you can add more output formats by clicking the + Add button below to the Input box.
   The new coordinate format that is added will be added as decimal degrees.
3. At any time you can change the notation of a coordinate format by clicking the Format Output button to the right of it. The Set Coordinate Format String dialog will appear and the coordinate format and notation can be changed.
4. You can copy all of the coordinate formats to the clipboard by clicking the Copy All button below the Input box. Optionally, a single format can be copied by selecting the Copy button below the coordinate type. If you wish to view the components of a coordinate click the Expand Output arrow below the coordinate. The components of the coordinate will be shown. Use the Copy to clipboard button below each component to copy each piece.
5. To delete an output coordinate click the Remove Coordinate button below to that coordinate type.

For further help, please contact the City of Peterborough Geomatics/Mapping Division:

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