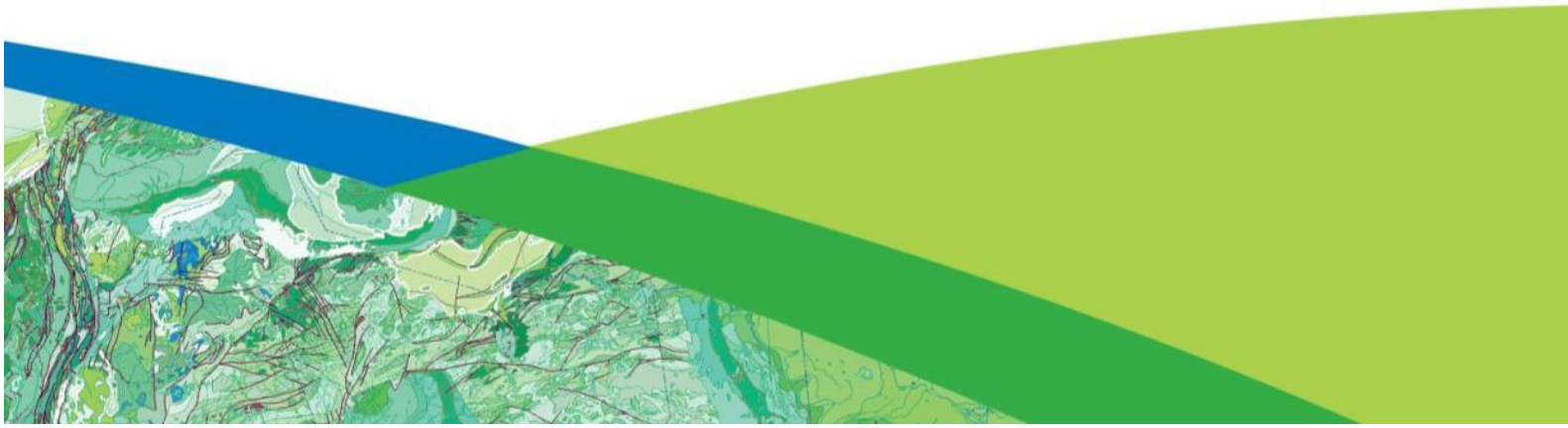
esri South Africa

Chief Surveyor-General
Property Search Web Application

July 2018



Content

1. VERSION CONTROL 4
2. HOME PAGE 4
3. POP-UPS 4
4. SEARCH WIDGETS 5
   4.1 SEARCH: PARENT FARM 5
   4.2 SEARCH: FARM PORTION 7
   4.3 SEARCH: 21 CODES 8
   4.4 SEARCH: ERVEN 9
   4.5 SEARCH: HOLDINGS 10
5. BASEMAP WIDGET 11
6. LAYER LIST WIDGET 12
7. SET SCALE WIDGET 14
8. PRINT WIDGET 14
9. BOOKMARK WIDGET 16
10. NAVIGATION 18
11. VIEW PROPERTY SEARCH ON OTHER DEVICE 19

Figure

Figure 1 : Overview of home page open on Desktop or Laptop screen 4
Figure 2 : Pop-up menus 4
Figure 3 : Attribute data 5
Figure 4 : Hide Attribute Table 5
Figure 5 : Property search widgets options (left on screen) 5
Figure 6 : Select the Parent Farm search options (left on screen) 5
Figure 7 : Search form query criteria 6
Figure 8 : Query results shown on form and on the map display 6
Figure 9 : Select one of the features found to display the Parent Farm query results 7
Figure 10 : Clear query results 7
Figure 11 : Select the Farm Portion search options (left on screen) 7
Figure 12 : Search form query criteria 8
Figure 13 : Query results shown on form and on the map display 8
Figure 14 : 21 Code added to query criteria 9
Figure 15 : Select the Erven search options (left on screen) 9
Figure 16 : Search form query criteria 9
Figure 17 : Query results shown on form and on the map display 10
Figure 18 : Select the Holdings search options (left on screen) 10
Figure 19 : Search form query criteria 11
Figure 20 : Query results shown on form and on the map display 11
Figure 21 : Select the Basemap Widgets on top banner 12
Figure 22 : Select the Layer List Widgets on top banner 12
Figure 23 : Select the Layer List Widgets on top banner 13

Figure 24 : Zoom or set Transparency of the specified layer 13
Figure 25 : Zoom or set Transparency of the specified layer 13
Figure 26 : Select Legend Widget and display which layers are on current on the map layout 14
Figure 27 : Select Se tScale Widget 14
Figure 28 : Select the Print Widget type required info to create and view map layout 15
Figure 29 : Set Force Scale option before printing 15
Figure 30 : A4 print example 16
Figure 31 : Select the Bookmark Widget 16
Figure 32 : About Widgets 17
Figure 33 : Draw Widget 17
Figure 34 : Measurement Widget 18
Figure 35 : Esri World Geocoder 18
Figure 36 : Zoom in or out 18
Figure 37 : Default extent 18
Figure 38 : My Location 19
Figure 39 : Application open on phone 19

1. VERSION CONTROL

The purpose of the version control is to keep track of changes, additions and updated to the document as well as the person and date when updated occurred.

VERSION	TYPE OF CHANGE	DATE	PERSON
Version 1	Create document	May 2018	Louisa de Smit
Version 2	Modify document	July 2018	Louisa de Smit

2. HOME PAGE

Using a Desktop or Laptop the opening home page link for the Property Search will show an overview page that looks like the image below.

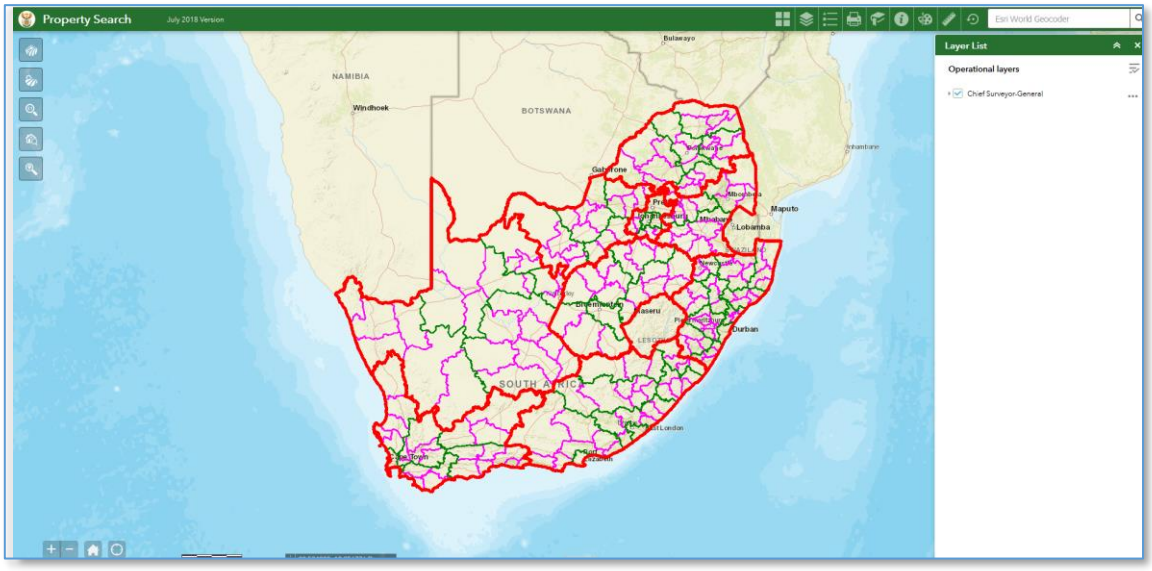


Figure 1 : Overview of home page open on Desktop or Laptop screen

3. POP-UPS

When the user zoom in or click on the map a pop-up menu appears. This indicate info on visible layers on the map. Also note if the user select the arrow (in the red box – left image) the user can see the other layer pop-ups. On the bottom the user can either click on Zoom to or the three dots that give more options to use.

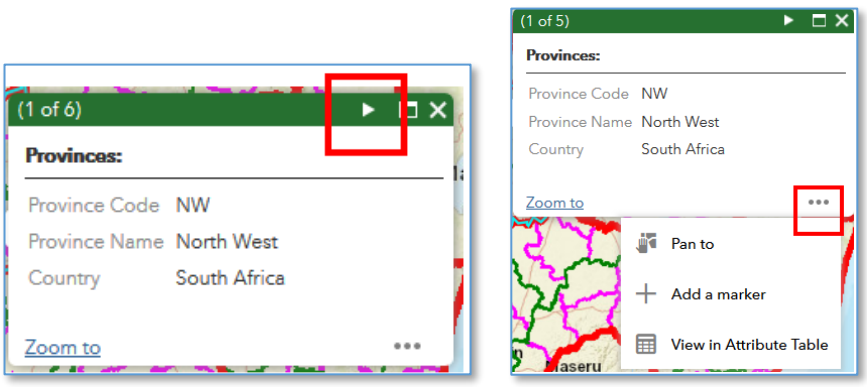


Figure 2 : Pop-up menus

When the user click on the View in Attribute Table the attribute tables appears. Navigate to the required one and view the data.

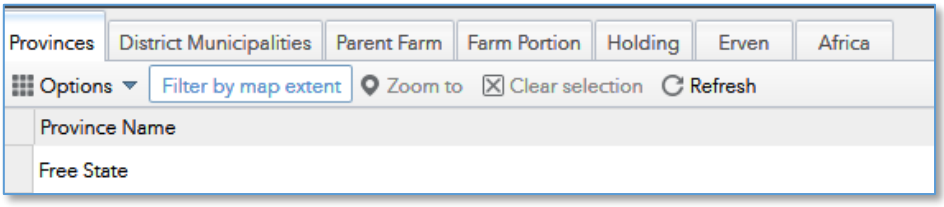


Figure 3 : Attribute data

In the middle of the screen is a black box with white arrow in. Tis can be used to hide the attribute table.

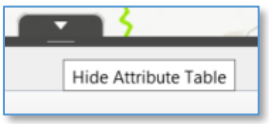


Figure 4 : Hide Attribute Table

4. SEARCH WIDGETS

On the left of the screen the user can use the different property search options that were set up.

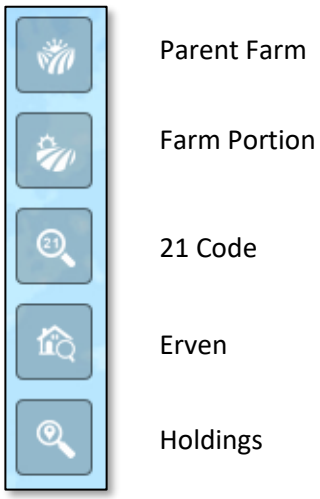


Figure 5 : Property search widgets options (left on screen)

4.1 SEARCH: PARENT FARM

Select the Parent Farm Widget by click on the button to open the SEARCH FORM.

Figure 6 : Select the Parent Farm search options (left on screen)

The first option is PROVINCE NAME (Required) option and must be select to start the filter query. Selecting the Administration District, Parcel Number or Farm Name are optional choice however it will help to limit the search results when they are also used. On the last selection on the form the user can either type part of the farm name or a number to use for the search. When all the selections on the drop down where select click on the green button APPLY to start the search.

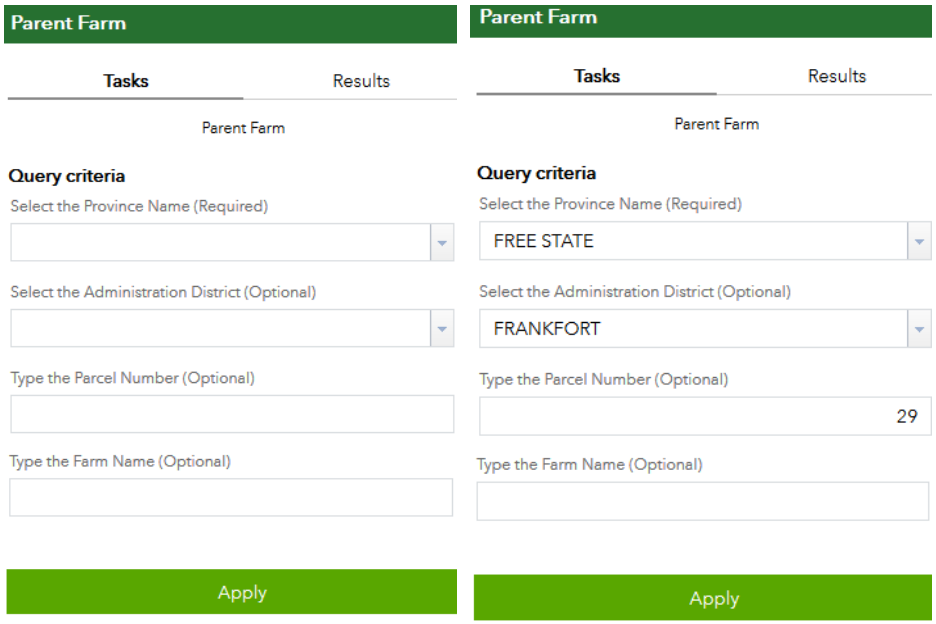


Figure 7 : Search form query criteria

The query results will then show on the form and displayed on the map. The user can click on one of the rows on the form to zoom to the exact farm that is required. The PARENT FARM QUERY will show results in the order of Province Name, Administration District (Major Region), Farm Name and Parcel Number.

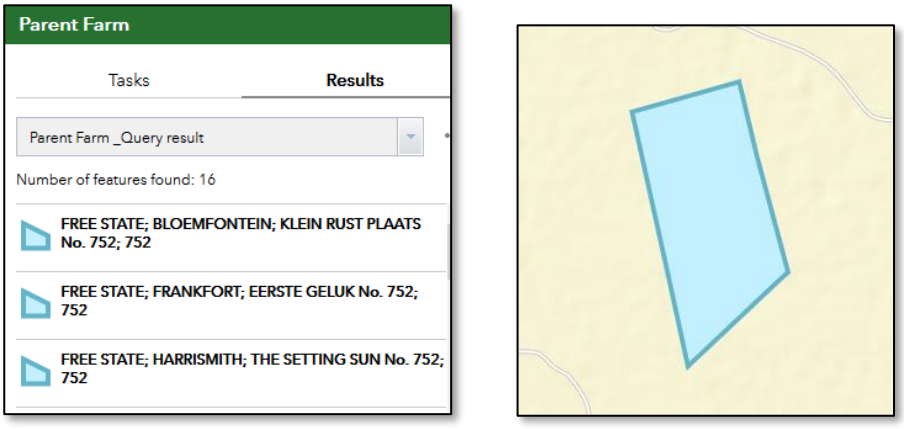


Figure 8 : Query results shown on form and on the map display

The user can click on one of the rows on the form to zoom to the exact farm that is required.

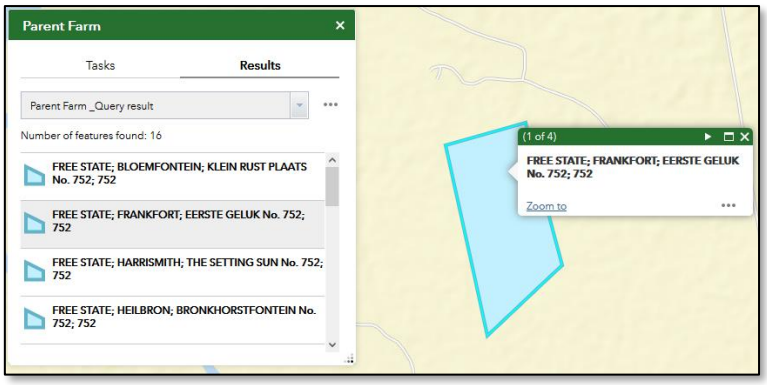


Figure 9 : Select one of the features found to display the Parent Farm query results

To clear the current selection the user, need to click on the three dots and then select the REMOVE THIS RESULT to clear the query results.

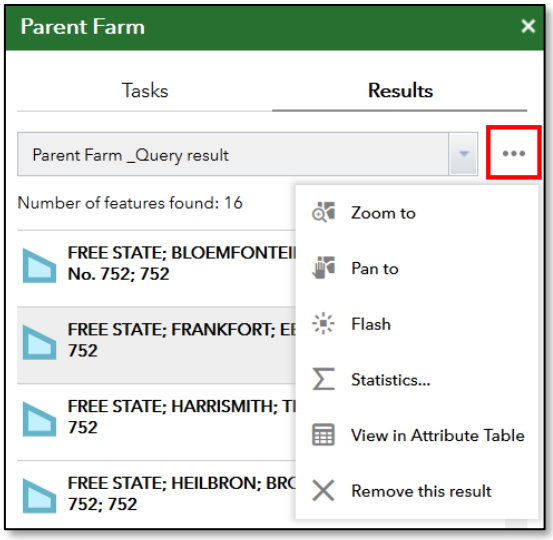


Figure 10 : Clear query results

4.2 SEARCH: FARM PORTION

Select the Farm Portion Widget by click on the button to open the SEARCH FORM.

Figure 11 : Select the Farm Portion search options (left on screen)

The first option is PROVINCE NAME (Required) option and must be select to start the filter query. Selecting the Administration District, Sub Place Name, Parcel Number or Portion Number are optional choice however it will help to limit the search results when they are also used. When all the selections on the drop down where select click on the green button APPLY to start the search.

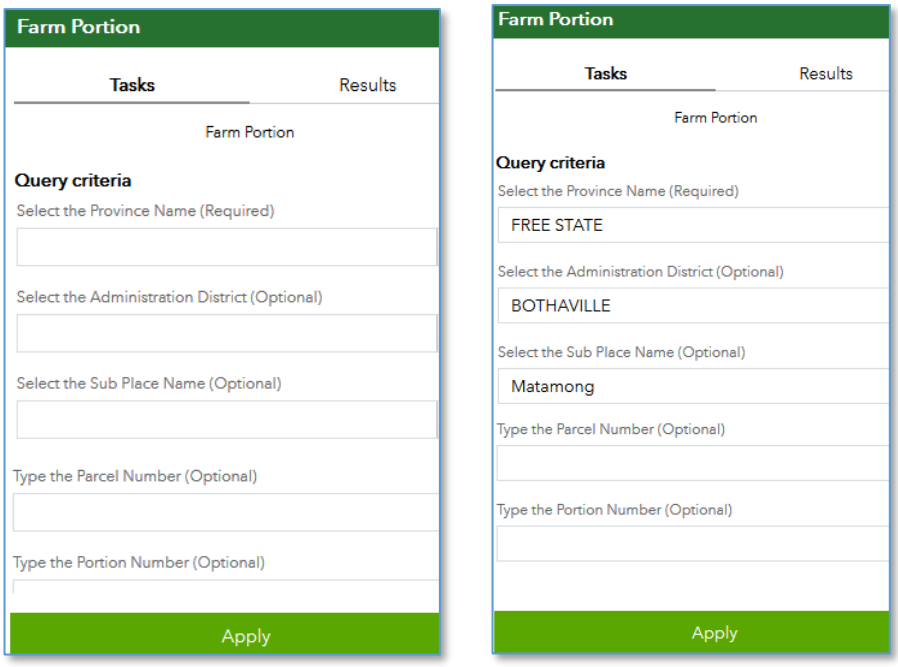


Figure 12 : Search form query criteria

The query results will then show on the form and displayed on the map. The user can click on one of the rows on the form to zoom to the exact farm that is required. The FARM PORTION FARM QUERY will show results in the order of Province Name, Administration District (Major Region) and Parcel Number.

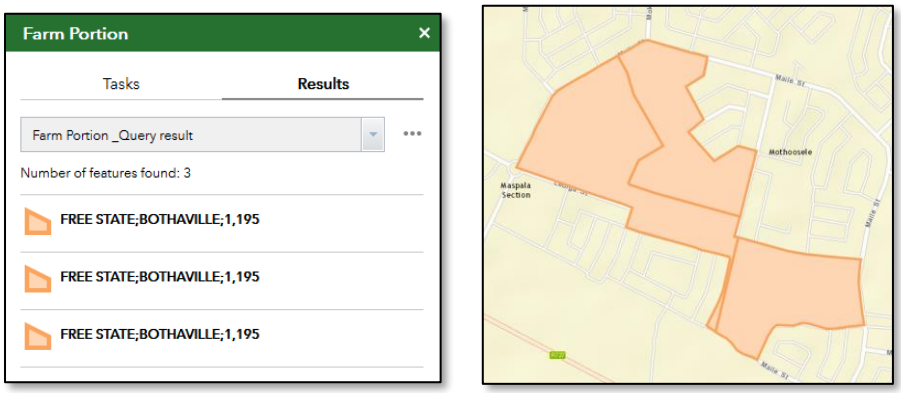


Figure 13 : Query results shown on form and on the map display

The user can click on one of the rows on the form to zoom to the exact farm that is required.

4.3 SEARCH: 21 CODES

The user selects can select either the Erven, Parent Farm, Farm Portion or Holding 21 CODE search just note that the correct SG Code need to be supplied for the search to work.

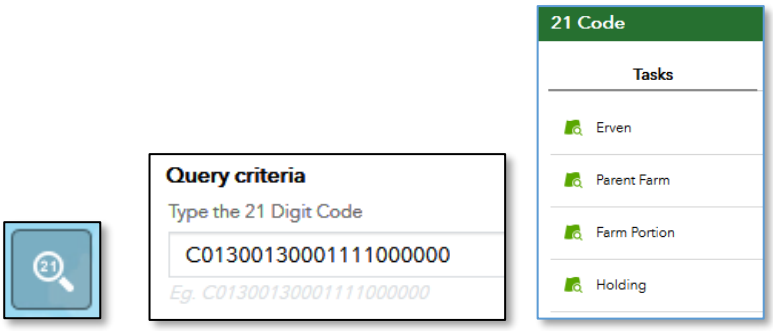


Figure 14 : 21 Code added to query criteria

4.4 SEARCH: ERVEN

Select the Erven Widget by click on the button to open the SEARCH FORM.

Figure 15 : Select the Erven search options (left on screen)

The first option is PROVINCE NAME (Required) option and must be select to start the filter query. Selecting the Administration District, Township, Sub Place Name, Parcel Number or Portion Number are optional choice however it will help to limit the search results when they are also used. When all the selections on the drop down where select click on the green button APPLY to start the search.

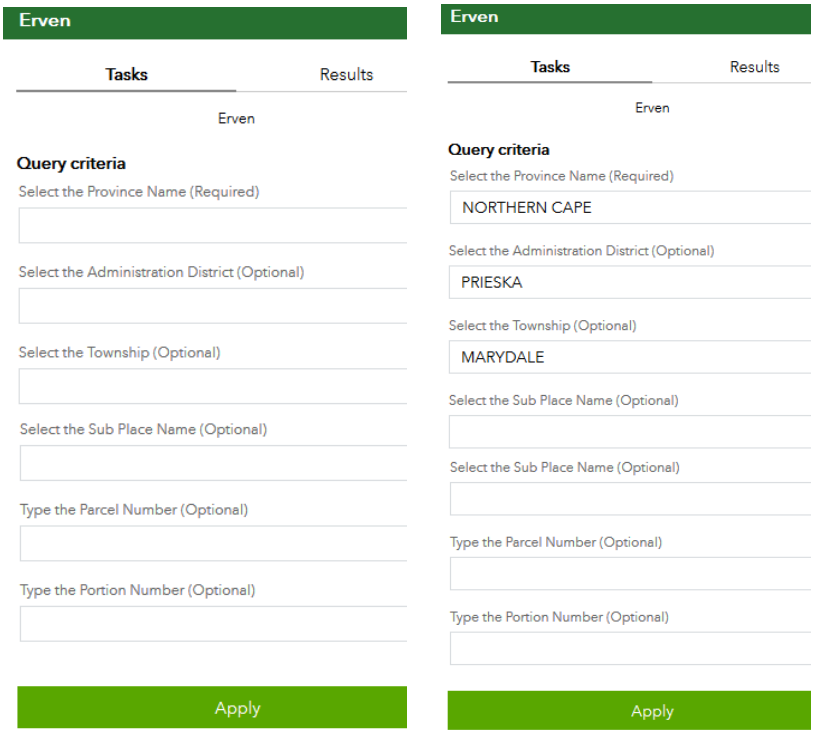


Figure 16 : Search form query criteria

The query results will then show on the form and displayed on the map. The user can click on one of the rows on the form to zoom to the exact farm that is required. The ERVEN QUERY will show results in the order of Province Name, Administration District (Major Region), Minor Region and Parcel Number.

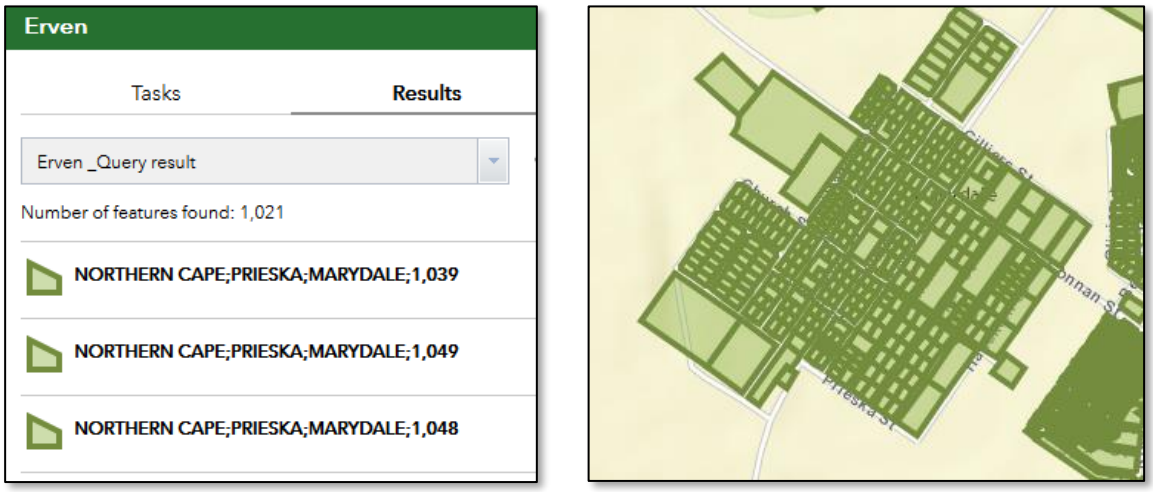


Figure 17 : Query results shown on form and on the map display

The user can click on one of the rows on the form to zoom to the exact farm that is required.

4.5 SEARCH: HOLDINGS

Select the Erven Widget by click on the button to open the SEARCH FORM.

Figure 18 : Select the Holdings search options (left on screen)

The first option is PROVINCE NAME (Required) option and must be select to start the filter query. Selecting the Administration District, Agricultural Holding, Sub Place Name, Parcel Number or Portion Number are optional choice however it will help to limit the search results when they are also used. When all the selections on the drop down where select click on the green button APPLY to start the search.

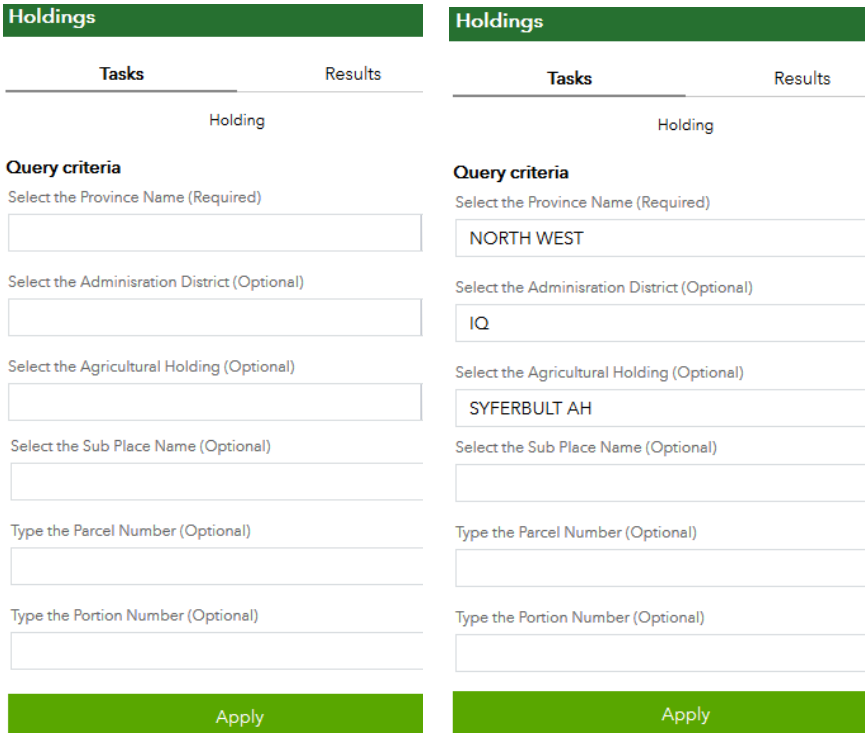


Figure 19 : Search form query criteria

The query results will then show on the form and displayed on the map. The user can click on one of the rows on the form to zoom to the exact farm that is required. The HOLDINGS QUERY will show results in the order of Province Name, Administration District (Major Region) and Minor Region.

Figure 20 : Query results shown on form and on the map display

The user can click on one of the rows on the form to zoom to the exact farm that is required.

5. BASEMAP WIDGET

To change the Basemap on the map the user need to select the Basemap Widget that will open a Basemap Gallery to view which maps can be used in the background of the map. Click on the required map and the changes will show on the map.

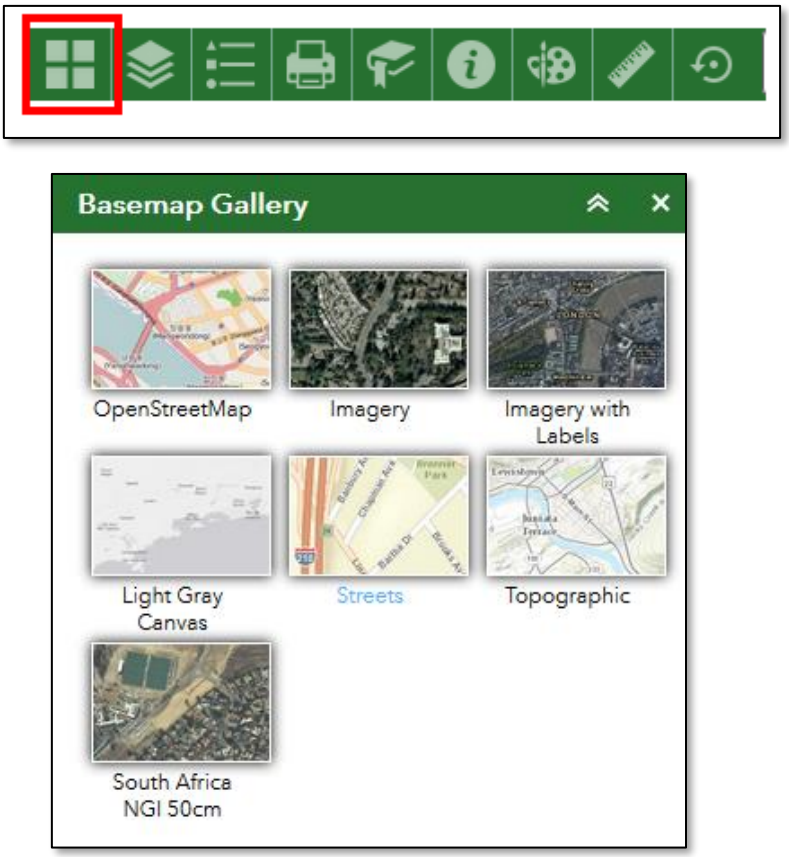


Figure 21 : Select the Basemap Widgets on top banner

6. LAYER LIST WIDGET

When the user selects the Layer list Widget that will open the list of operational layers.

Figure 22 : Select the Layer List Widgets on top banner

Note that not all the layers have a tick mark on the left, this means that that layer is not on and no data will be visible to see. Also if a layer on this list is grey out it means that a scale dependence were set on the layer and will only show when zoom in to the correct scale.

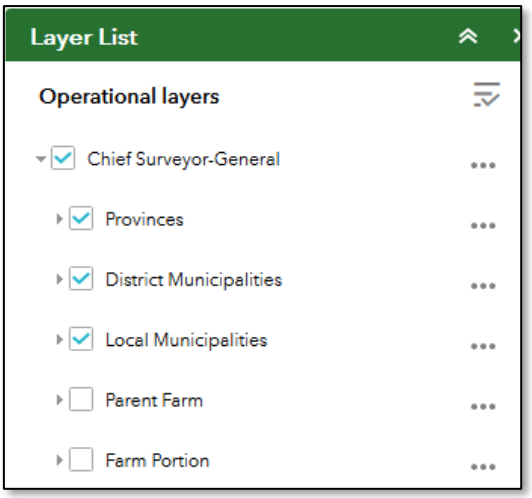


Figure 23 : Select the Layer List Widgets on top banner

Next to the CHIEF SURVEYOR-GENERAL main layer the user can click on the three dots to Zoom to, change Transparency, etc. for a specified layer.

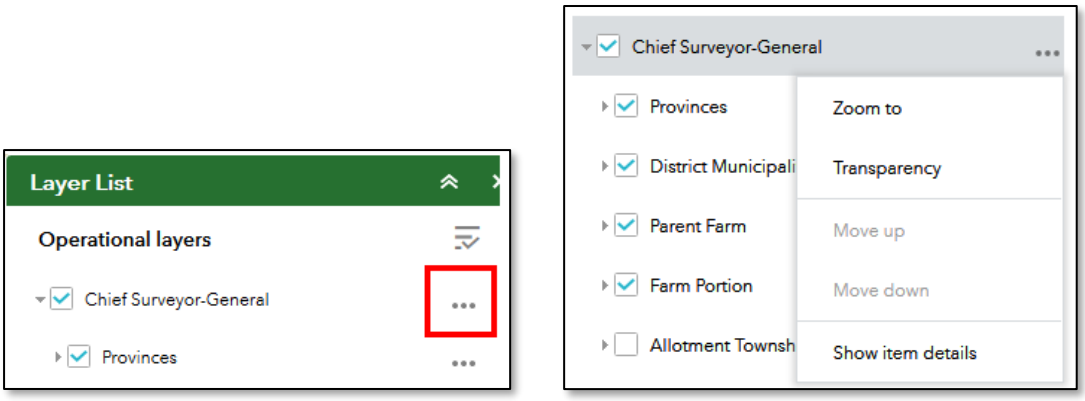


Figure 24 : Zoom or set Transparency of the specified layer

When the user clicks on three dots next to a sub layer they can disable the pop-up, view attributes or show item details.

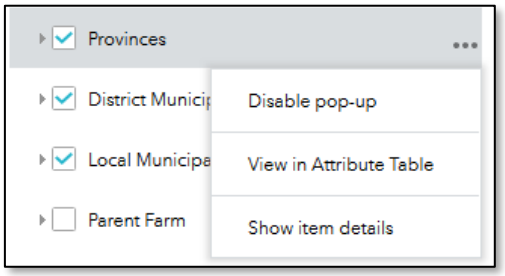


Figure 25 : Zoom or set Transparency of the specified layer

7. LEGEND WIDGET

On the third options the user can select the Legend Widget. All the layers that are switch on in the layer list will show on the Legend. For example if the user don't need to see holdings on the legend or when printing go back to the layer list option and switch that layer off. Open again the Legend and it will not show.

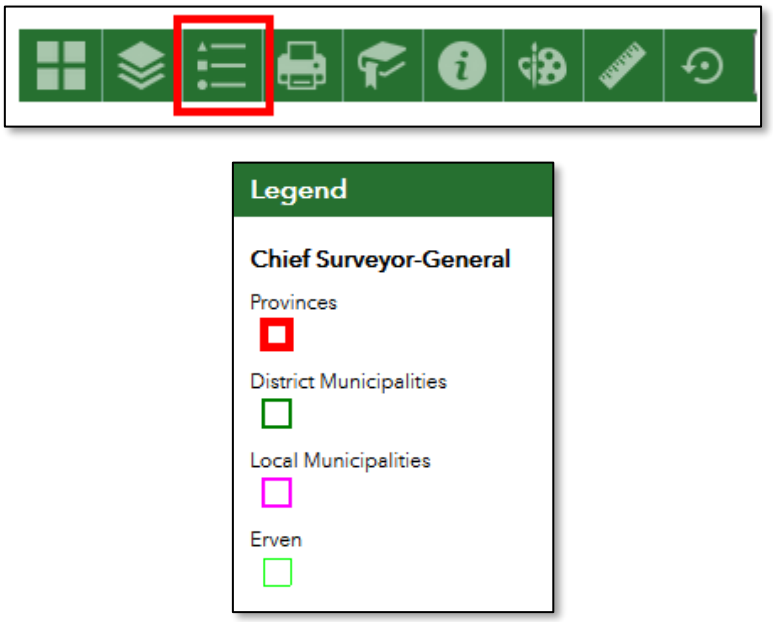


Figure 26 : Select Legend Widget and display which layers are on current on the map layout

8. SET SCALE WIDGET

Together with the Print Widget the user can also use the Set Scale Widget. Zoom to the required area and click on the Set Scale Widget. A pop-up will appear on the screen, type the value and press the Go button.

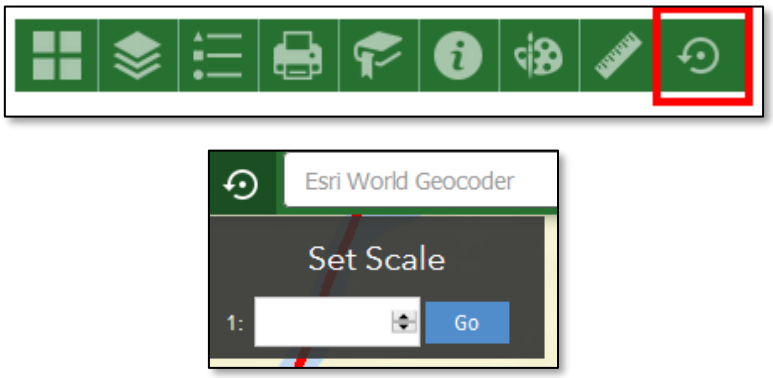


Figure 27 : Select Se tScale Widget

9. PRINT WIDGET

When done with the search of the and the user found the polygon that need to show on the map the user can use the Print Widget to create a layout. After the user clicked on the Print Widget

the Print form appears. In the Map Title space type the new heading of the map. Then select the Format option that is required. Click on the Print option to start the print process, when the new layout is created it will show on the print form. If needed navigate back to the map and zoom to correct place or change the title of the map and re-print. When needed click on the Clear prints to remove the layouts created.

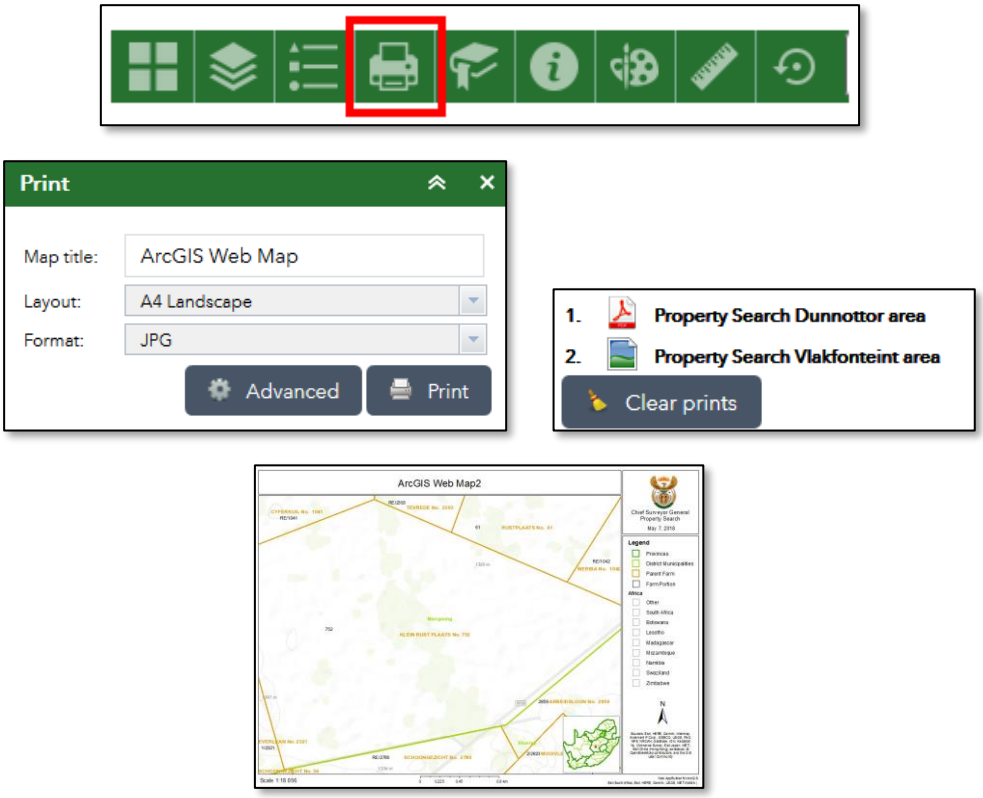


Figure 28 : Select the Print Widget type required info to create and view map layout

If the user used the Set Scale Widget and wants to use the same scale that were selected on the print layout open the ADVANCED option on the Print Widget. Select the FORCE SCALE option and type the relevant scale option. After all changes were done click the PRINT option.

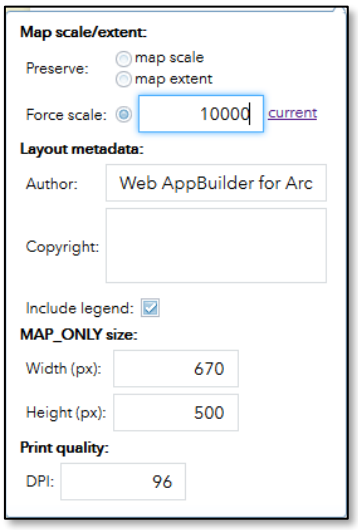


Figure 29 : Set Force Scale option before printing

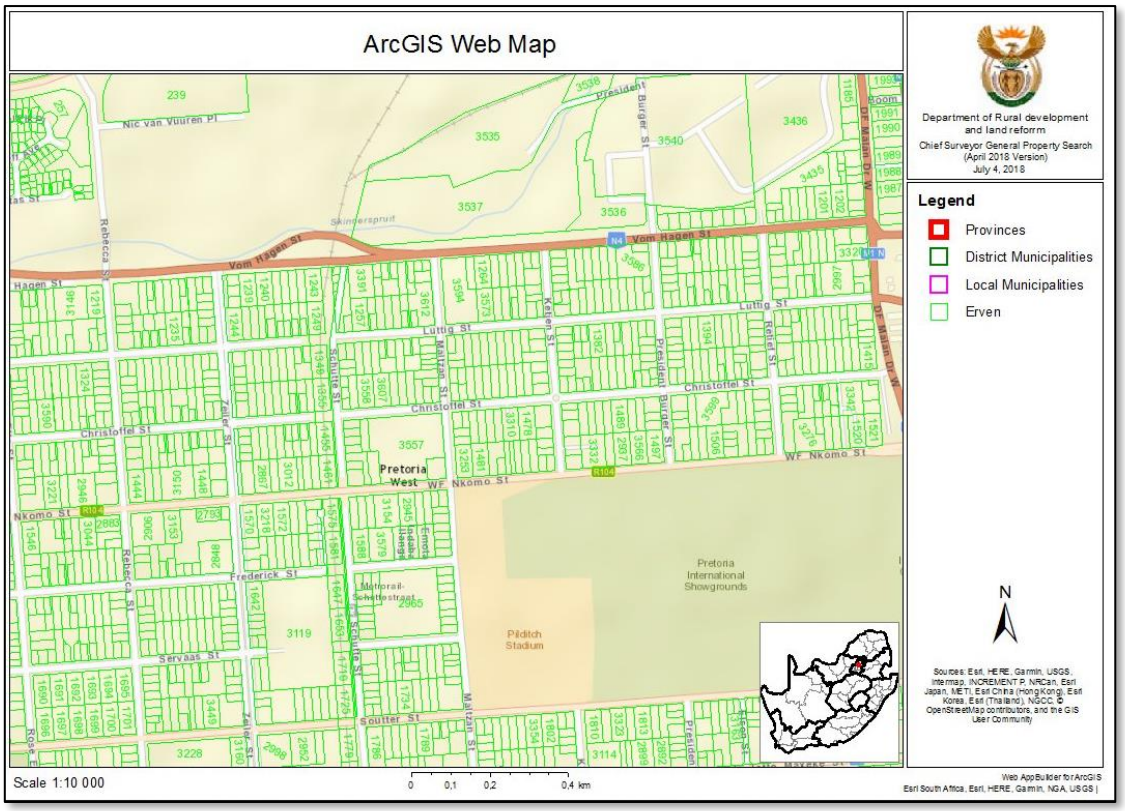


Figure 30 : A4 print example

10. BOOKMARK WIDGET

Select the Bookmark Widget. This will open the Bookmark list of already created bookmarks. To create new Bookmarks zoom to the required area open the tool and click on the Add option the new bookmark will be added on the bottom. Click to change the name and if needed the user can change the thumbnail. Note that if the user clear the cash history on the web the thumbnail will be removed.

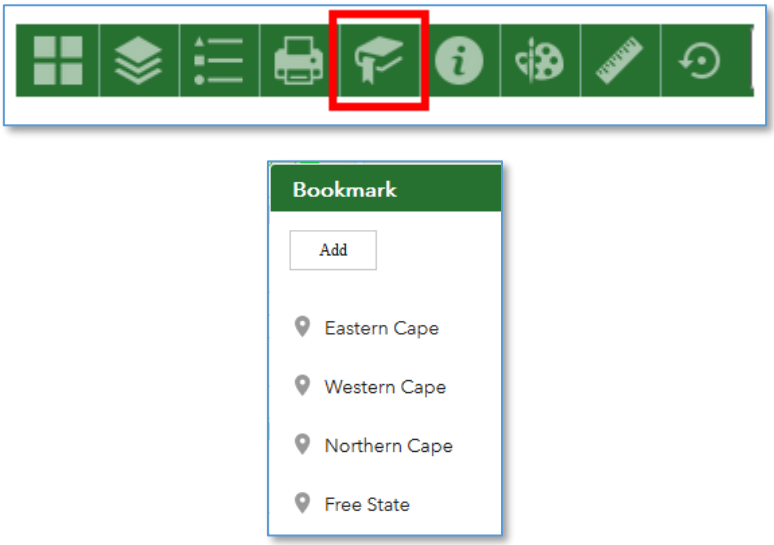


Figure 31 : Select the Bookmark Widget

11. ABOUT WIDGET

On the About Widget the help document on how to use the Property Search Web Applications can be found.

Figure 32 : About Widgets

12. DRAW WIDGET

Open the Draw widget and select a draw mode to draw on the map. After the user selected a draw mode and draw for example a box on the map the Preview menu appears where the user can change the colour, transparency and outline of what was drawn. On the bottom of the menu the user can click to clear what was drawn on the map.

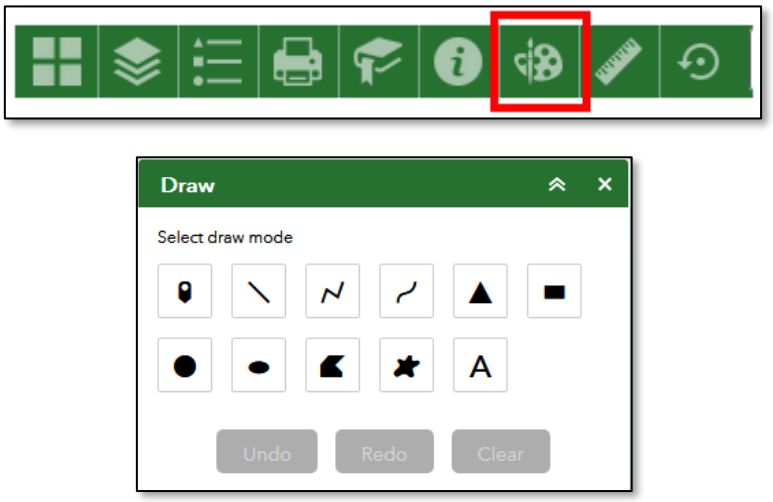
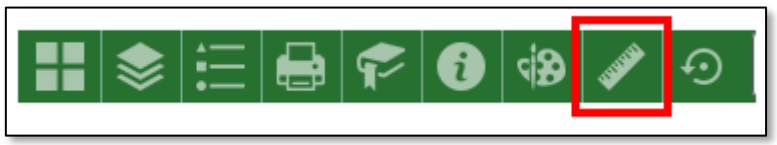


Figure 33 : Draw Widget

Click on the Measurement widget and select one of the options to measure on the map. The result of that will show on pop-up menu after the user did a measurement.

13. MEASURE WIDGET



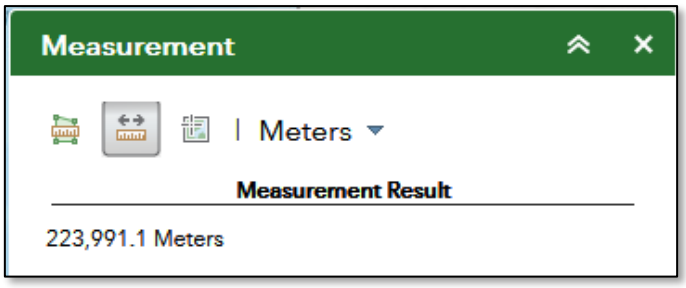


Figure 34 : Measurement Widget

14. ESRI GEOCODER WIDGET

The user can also use the Esri World Geocoder option. Type the specified location info in the open space, a list of options will show select the required one.

Figure 35 : Esri World Geocoder

15. NAVIGATION

The user can select the Zoom in and out buttons on the left bottom of the map to quickly zoom in or out.

Figure 36 : Zoom in or out

When the user click to on the Default Extent button it will zoom back to the default view the map layout were set on.

Figure 37 : Default extent

When the user click on My Location a pop-up will appear on the screen. When clicking on the Allow Location Access the map will then zoom on the location of the user on that time.

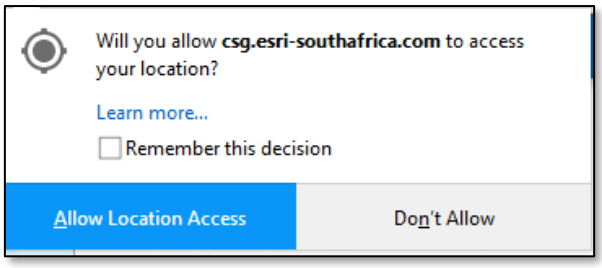


Figure 38 : My Location

16. VIEW PROPERTY SEARCH ON ANOTHER DEVICE

The layout can change and show differently. For example note that in the top right corner when the user click on the arrow option the other windows appears (right image).

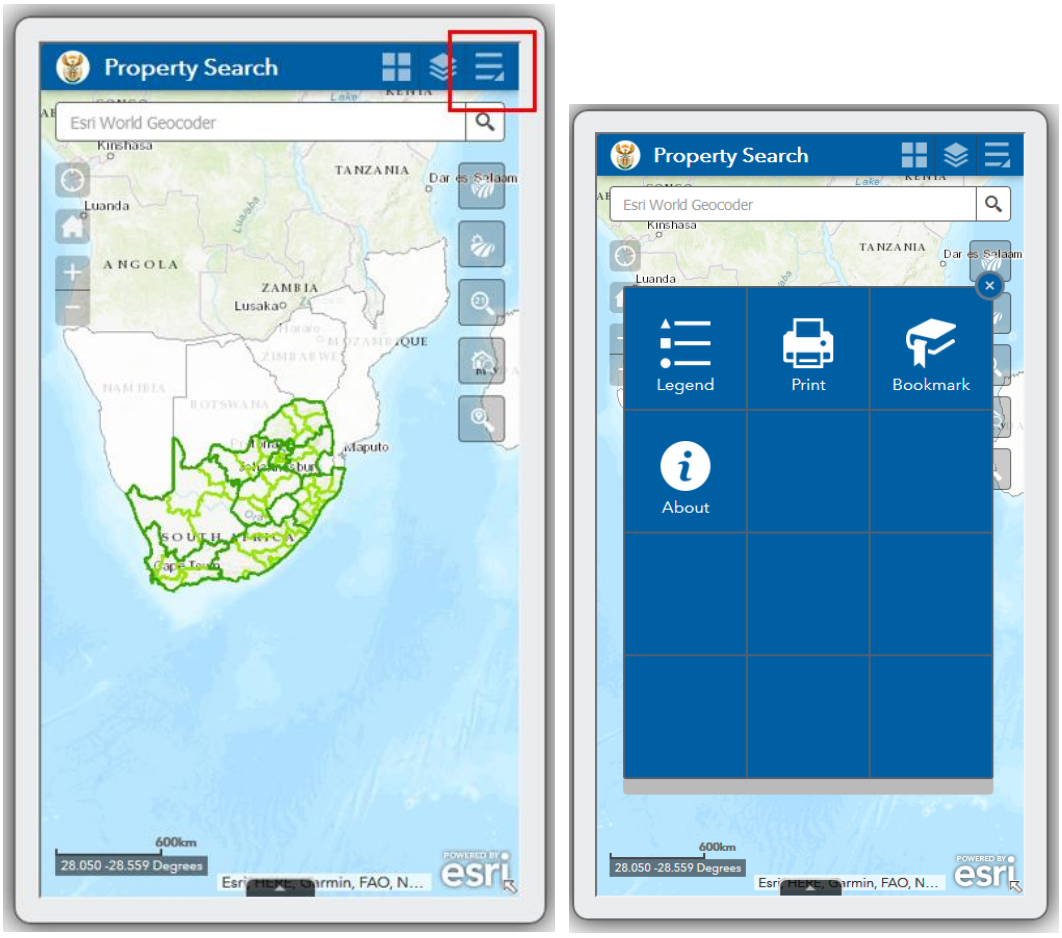


Figure 39 : Application open on phone